

Boring Log

Record: 946

Boring Company	<i>Cummins EnviroTech</i>
Foreman	<i>Timothy Schiavone</i>
W&S Representative	<i>Tim Schiavone</i>
Start Date	<i>2017-09-07</i>
Start Time	<i>11:50:00</i>
End Date	<i>2017-09-07</i>
End Time	<i>12:02:00</i>
Project Name	<i>UI-English Station</i>
Project Number	<i>2170495</i>
AOC Number	<i>AOC-15</i>
Boring Number	<i>20</i>
Completion Depth	<i>5</i>
Boring Photo	



Notes	<p><i>Sample:</i> 20-1: (1-1.5') ETPH, PCBs 20-2: 1.5-2.5' 20-3: 4-5'</p>
--------------	--

Samples	
Depth	5
Penetration (inches)	60
Recovery (inches)	43
Depth (feet)	5
PID (ppmv)	0
Sample Description & Classification (Modified Burmister)	2" asphalt 8" concrete Black moist fill with coarse sand and gravel. Trace amount of silt and cobble. Coal ash present

Boring Log

Record: 961

Boring Company	<i>Cummins EnviroTech</i>
Foreman	<i>Timothy Schiavone</i>
W&S Representative	<i>Tim Schiavone</i>
Start Date	<i>2017-09-07</i>
Start Time	<i>12:18:00</i>
End Date	<i>2017-09-07</i>
End Time	<i>12:29:00</i>
Project Name	<i>UI-English Station</i>
Project Number	<i>2170495</i>
AOC Number	<i>AOC-15</i>
Boring Number	<i>21</i>
Completion Depth	<i>5</i>
Notes	<i>Sample: 21-1: 1-1.5' ETPH, PCBs 21-2: 1.5-2' 21-3: 4-5'</i>

Samples

Depth	<i>5</i>
Penetration (inches)	<i>60</i>
Recovery (inches)	<i>31</i>
Depth (feet)	<i>5</i>
PID (ppmv)	<i>0</i>
Sample Description & Classification (Modified Burmister)	<i>2" asphalt 12" concrete Moist black fill with coarse sand and gravel, trace silt and cobble. Coal ash present.</i>

Boring Log

Record: 931

Boring Company	<i>Cummins EnviroTech</i>
Foreman	<i>Timothy Schiavone</i>
W&S Representative	<i>Tim Schiavone</i>
Start Date	<i>2017-09-07</i>
Start Time	<i>09:53:00</i>
End Date	<i>2017-09-07</i>
End Time	<i>10:05:00</i>
Project Name	<i>UI-English Station</i>
Project Number	<i>2170495</i>
AOC Number	<i>AOC-15</i>
Boring Number	<i>22</i>
Notes	<i>Sample: 22-1: 1-1.5' PCBs, ETPH 22-2: 1.5-2.5' PCBs, PAHs 22-3: 4-5' PCBs</i>

Samples

Depth	<i>5</i>
Penetration (inches)	<i>60</i>
Recovery (inches)	<i>40</i>
Depth (feet)	<i>5</i>
PID (ppmv)	<i>0</i>
Sample Description & Classification (Modified Burmister)	<i>1" asphalt 12" concrete Moist black fill with coarse to fine sand and some gravel, trace silt. Coal ash present.</i>

Boring Log

Record: 952

Boring Company	<i>Cummins EnviroTech</i>
Foreman	<i>Timothy Schiavone</i>
W&S Representative	<i>Tim Schiavone</i>
Start Date	<i>2017-09-07</i>
Start Time	<i>10:23:00</i>
End Date	<i>2017-09-07</i>
End Time	<i>10:30:00</i>
Project Name	<i>UI-English Station</i>
Project Number	<i>2170495</i>
AOC Number	<i>AOC-15</i>
Boring Number	<i>23</i>
Completion Depth	<i>5</i>
Notes	<i>Sample: 23-1: 1-1.5' PCBs, ETPH 23-2: 1.5-2.5' PCBs, PAHs 23-3: 4-5' PCBs</i>

Samples

Depth	<i>5</i>
Penetration (inches)	<i>60</i>
Recovery (inches)	<i>47</i>
Depth (feet)	<i>5</i>
PID (ppmv)	<i>0</i>
Sample Description & Classification (Modified Burmister)	<i>1" asphalt 12" concrete Moist black fill with coarse to fine sand and some gravel, trace silt. Coal ash present.</i>

Boring Log

Record: 955

Boring Company	<i>Cummins EnviroTech</i>
Foreman	<i>Timothy Schiavone</i>
W&S Representative	<i>Tim Schiavone</i>
Start Date	<i>2017-09-07</i>
Start Time	<i>12:07:00</i>
End Date	<i>2017-09-07</i>
End Time	<i>12:22:00</i>
Project Name	<i>UI-English Station</i>
Project Number	<i>2170495</i>
AOC Number	<i>AOC-15</i>
Boring Number	<i>24</i>
Completion Depth	<i>5</i>
Notes	<i>Sample: 24-1: 1-1.5' 24-2: 1.5-2.5' 24-3: 4-5'</i>

Samples

Depth	<i>5</i>
Penetration (inches)	<i>60</i>
Recovery (inches)	<i>29</i>
Depth (feet)	<i>5</i>
PID (ppmv)	<i>0</i>
Sample Description & Classification (Modified Burmister)	<i>1" asphalt 10" concrete Moist black fill with coarse sand and gravel. Trace silt and cobble. Coal ash present.</i>

Boring Log

Record: 958

Boring Company	<i>Cummins EnviroTech</i>
Foreman	<i>Timothy Schiavone</i>
W&S Representative	<i>Tim Schiavone</i>
Start Date	<i>2017-09-07</i>
Start Time	<i>12:15:00</i>
End Date	<i>2017-09-07</i>
End Time	<i>12:26:00</i>
Project Name	<i>UI-English Station</i>
Project Number	<i>2170495</i>
AOC Number	<i>AOC-15</i>
Boring Number	<i>25</i>
Completion Depth	<i>5</i>
Boring Photo	



Notes	<p><i>Sample:</i> 25-1: 1-1.5' PCBs ETPH 25-2: 1.5-2.5' 25-3: 4-5'</p>
--------------	---

Samples	
Depth	5
Penetration (inches)	60
Recovery (inches)	46
Depth (feet)	5
PID (ppmv)	0
Sample Description & Classification (Modified Burmister)	1" asphalt 10" concrete Moist black fill with coarse sand and gravel. Trace silt. Coal ash present.

Boring Log

Record: 967

Boring Company	<i>Cummins EnviroTech</i>
Foreman	<i>Timothy Schiavone</i>
W&S Representative	<i>Tim Schiavone</i>
Start Date	<i>2017-09-07</i>
Start Time	<i>13:50:00</i>
End Date	<i>2017-09-07</i>
End Time	<i>14:00:00</i>
Project Name	<i>UI-English Station</i>
Project Number	<i>2170495</i>
AOC Number	<i>AOC-15</i>
Boring Number	<i>26</i>
Completion Depth	<i>5</i>
Notes	<i>Sample: 26-1: 1-1.5' ETPH, PCBs 26-2: 1.5-2.5' 27-3: 4-5'</i>

Samples

Depth	<i>5</i>
Penetration (inches)	<i>60</i>
Recovery (inches)	<i>20</i>
Depth (feet)	<i>5</i>
PID (ppmv)	<i>0</i>
Sample Description & Classification (Modified Burmister)	<i>2" asphalt 8" concrete Moist black fill with coarse to fine sand and gravel. Trace cobble and silt. Coal ash present.</i>

Boring Log

Record: 1183

Boring Company	<i>Technical Drilling Services, Inc.</i>
Foreman	<i>Timothy Schiavone</i>
W&S Representative	<i>Tim Schiavone</i>
Start Date	<i>2017-09-11</i>
Start Time	<i>10:10:00</i>
End Date	<i>2017-09-11</i>
Project Name	<i>UI-English Station</i>
Project Number	<i>2170495</i>
AOC Number	<i>AOC-15</i>
Boring Number	<i>27</i>
Completion Depth	<i>5</i>

Samples

Depth	<i>5</i>
Penetration (inches)	<i>60</i>
Recovery (inches)	<i>36</i>
Depth (feet)	<i>5</i>
PID (ppmv)	<i>0</i>
Sample Description & Classification (Modified Burmister)	<i>Moist black fill with coarse sand and some gravel. Trace evidence of fill materials</i>

Boring Log

Record: 964

Boring Company	Cummins EnviroTech
Foreman	Timothy Schiavone
W&S Representative	Tim Schiavone
Start Date	2017-09-07
Start Time	13:36:00
End Date	2017-09-07
End Time	13:45:00
Project Name	UI-English Station
Project Number	2170495
AOC Number	AOC-15
Boring Number	28
Completion Depth	5
Notes	<p>Sample: 28-1: 0.5-1.5' PCBs, ETPH 28-2: 1.5-2.5' 28-3: 4-5'</p> <p>28-1 is also MS/MSD for PCBs. 2 borings were conducted for volume</p>

Samples

Depth	5
Penetration (inches)	60
Recovery (inches)	52
Depth (feet)	5
PID (ppmv)	0
Sample Description & Classification (Modified Burmister)	1" asphalt 6" concrete Black moist fill with coarse sand and gravel. Trace silt. Coal ash present

APPENDIX C

Analytical Data Reports (electronic)

September 6, 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 M. Georgantas". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

James M. Georgantas
Project Manager

October 19, 2017

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

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17I0378

Enclosed are results of analyses for samples received by the laboratory on September 11, 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

Table of Contents

Sample Summary	4
Case Narrative	6
Sample Results	7
17I0378-01	7
17I0378-02	10
17I0378-03	12
17I0378-04	14
17I0378-05	16
17I0378-06	18
17I0378-07	20
17I0378-08	22
17I0378-09	24
17I0378-10	26
17I0378-11	28
17I0378-12	30
17I0378-13	33
17I0378-14	36
17I0378-15	39
17I0378-16	41
17I0378-17	43
17I0378-18	45
17I0378-19	47
17I0378-20	50
Sample Preparation Information	53
QC Data	55

Table of Contents (continued)

Polychlorinated Biphenyls with 3540 Soxhlet Extraction	55
B186484	55
Petroleum Hydrocarbons Analyses	58
B186472	58
Metals Analyses (Total)	59
B186450	59
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)	60
B186437	60
Dual Column RPD Report	61
Flag/Qualifier Summary	65
Certifications	66
Chain of Custody/Sample Receipt	67

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: 10/19/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 1710378

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

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

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC15-SO-27-1	1710378-01	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC15-SO-27-2	1710378-02	Soil		SM 2540G SW-846 8082A	
WS-AOC15-SO-27-3	1710378-03	Soil		SM 2540G SW-846 8082A	
WS-AOC-9-SO-29-1	1710378-04	Soil		SM 2540G SW-846 8082A	
WS-AOC-9-SO-29-2	1710378-05	Soil		SM 2540G SW-846 8082A	
WS-AOC-9-SO-29-3	1710378-06	Soil		SM 2540G SW-846 8082A	
WS-AOC-9-SO-29-4	1710378-07	Soil		SM 2540G SW-846 8082A	
WS-AOC-12W-SO-112-1	1710378-08	Soil		SM 2540G SW-846 8082A	
WS-AOC-12W-SO-112-2	1710378-09	Soil		SM 2540G SW-846 8082A	
WS-AOC-12W-SO-112-3	1710378-10	Soil		SM 2540G SW-846 8082A	
WS-AOC-12W-SO-111-1	1710378-11	Soil		SM 2540G SW-846 8082A	
WS-AOC-12W-SO-111-2	1710378-12	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC-12W-SO-111-3	1710378-13	Soil		SM 2540G SW-846 6010C-D SW-846 8082A	
WS-AOC-12W-SO-105-1	1710378-14	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC-12W-SO-105-2	1710378-15	Soil		SM 2540G SW-846 8082A	
WS-AOC-12W-SO-105-3	1710378-16	Soil		SM 2540G SW-846 8082A	
WS-AOC-12W-SO-110-1	1710378-17	Soil		SM 2540G SW-846 8082A	
WS-AOC-12W-SO-110-2	1710378-18	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: 10/19/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 1710378

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

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

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC-12W-SO-110-3	1710378-19	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC-12W-SO-103-1	1710378-20	Soil		CTDEP ETPH 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 - 10/19/2017 - 17I0378-01 through -03 IDs revised.

For method 6010, only As was requested and reported.

CTDEP ETPH**Qualifications:****MS-09**

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

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

17I0378-12[WS-AOC-12W-SO-111-2], B186472-MS1, B186472-MSD1

S-01

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

Analyte & Samples(s) Qualified:**o-Terphenyl**

17I0378-01[WS-AOC15-SO-27-1]

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**

17I0378-04[WS-AOC-9-SO-29-1], 17I0378-05[WS-AOC-9-SO-29-2]

Decachlorobiphenyl [2C]

17I0378-04[WS-AOC-9-SO-29-1], 17I0378-05[WS-AOC-9-SO-29-2]

Tetrachloro-m-xylene

17I0378-04[WS-AOC-9-SO-29-1], 17I0378-05[WS-AOC-9-SO-29-2]

Tetrachloro-m-xylene [2C]

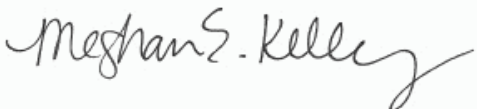
17I0378-04[WS-AOC-9-SO-29-1], 17I0378-05[WS-AOC-9-SO-29-2]

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.



Meghan E. Kelley
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: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC15-SO-27-1

Sampled: 9/11/2017 11:29

Sample ID: 1710378-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 17:45	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 17:45	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 17:45	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 17:45	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 17:45	KAL
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 17:45	KAL
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 17:45	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 17:45	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 17:45	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		72.5	30-150					9/21/17 17:45	
Decachlorobiphenyl [2]		84.7	30-150					9/21/17 17:45	
Tetrachloro-m-xylene [1]		86.2	30-150					9/21/17 17:45	
Tetrachloro-m-xylene [2]		85.6	30-150					9/21/17 17:45	

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: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC15-SO-27-1

Sampled: 9/11/2017 11:29

Sample ID: 1710378-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	2200	570	mg/Kg dry	50		CTDEP ETPH	9/18/17	9/20/17 19:48	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		*	50-150		S-01			9/20/17 19:48	

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

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

Sample Description:

Work Order: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC15-SO-27-1

Sampled: 9/11/2017 11:29

Sample ID: 1710378-01

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.7		% Wt	1		SM 2540G	9/18/17	9/19/17 8:23	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: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC15-SO-27-2

Sampled: 9/11/2017 11:30

Sample ID: 1710378-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 18:02	KAL
Aroclor-1221 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 18:02	KAL
Aroclor-1232 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 18:02	KAL
Aroclor-1242 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 18:02	KAL
Aroclor-1248 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 18:02	KAL
Aroclor-1254 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 18:02	KAL
Aroclor-1260 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 18:02	KAL
Aroclor-1262 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 18:02	KAL
Aroclor-1268 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 18:02	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		81.2	30-150					9/21/17 18:02	
Decachlorobiphenyl [2]		98.5	30-150					9/21/17 18:02	
Tetrachloro-m-xylene [1]		87.0	30-150					9/21/17 18:02	
Tetrachloro-m-xylene [2]		88.7	30-150					9/21/17 18:02	

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

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

Sample Description:

Work Order: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC15-SO-27-2

Sampled: 9/11/2017 11:30

Sample ID: 1710378-02

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.6		% Wt	1		SM 2540G	9/18/17	9/19/17 8:23	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: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC15-SO-27-3

Sampled: 9/11/2017 11:31

Sample ID: 1710378-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 18:20	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 18:20	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 18:20	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 18:20	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 18:20	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 18:20	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 18:20	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 18:20	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 18:20	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		70.6	30-150					9/21/17 18:20	
Decachlorobiphenyl [2]		90.2	30-150					9/21/17 18:20	
Tetrachloro-m-xylene [1]		82.1	30-150					9/21/17 18:20	
Tetrachloro-m-xylene [2]		79.8	30-150					9/21/17 18:20	

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

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

Sample Description:

Work Order: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC15-SO-27-3

Sampled: 9/11/2017 11:31

Sample ID: 1710378-03

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	72.1		% Wt	1		SM 2540G	9/18/17	9/19/17 8:23	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: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC-9-SO-29-1

Sampled: 9/11/2017 11:46

Sample ID: 1710378-04

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	9.1	mg/Kg dry	400		SW-846 8082A	9/18/17	9/22/17 7:56	KAL
Aroclor-1221 [1]	ND	9.1	mg/Kg dry	400		SW-846 8082A	9/18/17	9/22/17 7:56	KAL
Aroclor-1232 [1]	ND	9.1	mg/Kg dry	400		SW-846 8082A	9/18/17	9/22/17 7:56	KAL
Aroclor-1242 [1]	ND	9.1	mg/Kg dry	400		SW-846 8082A	9/18/17	9/22/17 7:56	KAL
Aroclor-1248 [1]	ND	9.1	mg/Kg dry	400		SW-846 8082A	9/18/17	9/22/17 7:56	KAL
Aroclor-1254 [1]	ND	9.1	mg/Kg dry	400		SW-846 8082A	9/18/17	9/22/17 7:56	KAL
Aroclor-1260 [2]	78	9.1	mg/Kg dry	400		SW-846 8082A	9/18/17	9/22/17 7:56	KAL
Aroclor-1262 [1]	ND	9.1	mg/Kg dry	400		SW-846 8082A	9/18/17	9/22/17 7:56	KAL
Aroclor-1268 [1]	ND	9.1	mg/Kg dry	400		SW-846 8082A	9/18/17	9/22/17 7:56	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			9/22/17 7:56	
Decachlorobiphenyl [2]		*	30-150		S-01			9/22/17 7:56	
Tetrachloro-m-xylene [1]		*	30-150		S-01			9/22/17 7:56	
Tetrachloro-m-xylene [2]		*	30-150		S-01			9/22/17 7:56	

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: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC-9-SO-29-1

Sampled: 9/11/2017 11:46

Sample ID: 1710378-04

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.1		% Wt	1		SM 2540G	9/18/17	9/19/17 8:23	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: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC-9-SO-29-2

Sampled: 9/11/2017 11:47

Sample ID: 1710378-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	9/18/17	9/22/17 8:08	KAL
Aroclor-1221 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	9/18/17	9/22/17 8:08	KAL
Aroclor-1232 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	9/18/17	9/22/17 8:08	KAL
Aroclor-1242 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	9/18/17	9/22/17 8:08	KAL
Aroclor-1248 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	9/18/17	9/22/17 8:08	KAL
Aroclor-1254 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	9/18/17	9/22/17 8:08	KAL
Aroclor-1260 [2]	5.9	0.89	mg/Kg dry	40		SW-846 8082A	9/18/17	9/22/17 8:08	KAL
Aroclor-1262 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	9/18/17	9/22/17 8:08	KAL
Aroclor-1268 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	9/18/17	9/22/17 8:08	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			9/22/17 8:08	
Decachlorobiphenyl [2]		*	30-150		S-01			9/22/17 8:08	
Tetrachloro-m-xylene [1]		*	30-150		S-01			9/22/17 8:08	
Tetrachloro-m-xylene [2]		*	30-150		S-01			9/22/17 8:08	

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: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC-9-SO-29-2

Sampled: 9/11/2017 11:47

Sample ID: 1710378-05

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.3		% Wt	1		SM 2540G	9/18/17	9/19/17 8:23	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: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC-9-SO-29-3

Sampled: 9/11/2017 11:48

Sample ID: 1710378-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:12	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:12	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:12	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:12	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:12	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:12	KAL
Aroclor-1260 [2]	0.11	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:12	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:12	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:12	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		86.1	30-150					9/21/17 19:12	
Decachlorobiphenyl [2]		101	30-150					9/21/17 19:12	
Tetrachloro-m-xylene [1]		91.9	30-150					9/21/17 19:12	
Tetrachloro-m-xylene [2]		91.0	30-150					9/21/17 19:12	

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: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC-9-SO-29-3

Sampled: 9/11/2017 11:48

Sample ID: 1710378-06

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	70.4		% Wt	1		SM 2540G	9/18/17	9/19/17 8:23	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: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC-9-SO-29-4

Sampled: 9/11/2017 11:49

Sample ID: 1710378-07

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	4		SW-846 8082A	9/18/17	9/21/17 19:30	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:30	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:30	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:30	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:30	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:30	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:30	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:30	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:30	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		87.1	30-150					9/21/17 19:30	
Decachlorobiphenyl [2]		107	30-150					9/21/17 19:30	
Tetrachloro-m-xylene [1]		91.4	30-150					9/21/17 19:30	
Tetrachloro-m-xylene [2]		91.3	30-150					9/21/17 19:30	

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

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

Sample Description:

Work Order: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC-9-SO-29-4

Sampled: 9/11/2017 11:49

Sample ID: 1710378-07

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	68.2		% Wt	1		SM 2540G	9/18/17	9/19/17 8:23	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: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-112-1

Sampled: 9/11/2017 12:15

Sample ID: 1710378-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:47	KAL
Aroclor-1221 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:47	KAL
Aroclor-1232 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:47	KAL
Aroclor-1242 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:47	KAL
Aroclor-1248 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:47	KAL
Aroclor-1254 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:47	KAL
Aroclor-1260 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:47	KAL
Aroclor-1262 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:47	KAL
Aroclor-1268 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:47	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		82.5	30-150					9/21/17 19:47	
Decachlorobiphenyl [2]		92.3	30-150					9/21/17 19:47	
Tetrachloro-m-xylene [1]		91.0	30-150					9/21/17 19:47	
Tetrachloro-m-xylene [2]		92.9	30-150					9/21/17 19:47	

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: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-112-1

Sampled: 9/11/2017 12:15

Sample ID: 1710378-08

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	94.0		% Wt	1		SM 2540G	9/18/17	9/19/17 8:23	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: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-112-2

Sampled: 9/11/2017 12:16

Sample ID: 1710378-09

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	0.086	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:05	KAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:05	KAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:05	KAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:05	KAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:05	KAL
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:05	KAL
Aroclor-1260 [1]	0.12	0.086	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:05	KAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:05	KAL
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:05	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		63.5	30-150					9/21/17 20:05	
Decachlorobiphenyl [2]		80.5	30-150					9/21/17 20:05	
Tetrachloro-m-xylene [1]		72.3	30-150					9/21/17 20:05	
Tetrachloro-m-xylene [2]		72.9	30-150					9/21/17 20:05	

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

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

Sample Description:

Work Order: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-112-2

Sampled: 9/11/2017 12:16

Sample ID: 1710378-09

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	9/18/17	9/19/17 8:23	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: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-112-3

Sampled: 9/11/2017 12:17

Sample ID: 1710378-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:22	KAL
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:22	KAL
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:22	KAL
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:22	KAL
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:22	KAL
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:22	KAL
Aroclor-1260 [2]	0.16	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:22	KAL
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:22	KAL
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:22	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		71.0	30-150					9/21/17 20:22	
Decachlorobiphenyl [2]		81.2	30-150					9/21/17 20:22	
Tetrachloro-m-xylene [1]		77.7	30-150					9/21/17 20:22	
Tetrachloro-m-xylene [2]		80.2	30-150					9/21/17 20:22	

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: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-112-3

Sampled: 9/11/2017 12:17

Sample ID: 1710378-10

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.2		% Wt	1		SM 2540G	9/18/17	9/19/17 8:23	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: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-111-1

Sampled: 9/11/2017 09:35

Sample ID: 1710378-11

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:39	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:39	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:39	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:39	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:39	KAL
Aroclor-1254 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:39	KAL
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:39	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:39	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:39	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		77.3	30-150					9/21/17 20:39	
Decachlorobiphenyl [2]		84.5	30-150					9/21/17 20:39	
Tetrachloro-m-xylene [1]		87.9	30-150					9/21/17 20:39	
Tetrachloro-m-xylene [2]		92.0	30-150					9/21/17 20:39	

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: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-111-1

Sampled: 9/11/2017 09:35

Sample ID: 1710378-11

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.2		% Wt	1		SM 2540G	9/18/17	9/19/17 8:23	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: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-111-2

Sampled: 9/11/2017 09:36

Sample ID: 1710378-12

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	0.083	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:57	KAL
Aroclor-1221 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:57	KAL
Aroclor-1232 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:57	KAL
Aroclor-1242 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:57	KAL
Aroclor-1248 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:57	KAL
Aroclor-1254 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:57	KAL
Aroclor-1260 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:57	KAL
Aroclor-1262 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:57	KAL
Aroclor-1268 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:57	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		79.9	30-150					9/21/17 20:57	
Decachlorobiphenyl [2]		86.0	30-150					9/21/17 20:57	
Tetrachloro-m-xylene [1]		90.0	30-150					9/21/17 20:57	
Tetrachloro-m-xylene [2]		97.9	30-150					9/21/17 20:57	

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

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

Sample Description:

Work Order: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-111-2

Sampled: 9/11/2017 09:36

Sample ID: 1710378-12

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	91	52	mg/Kg dry	5	MS-09	CTDEP ETPH	9/18/17	9/20/17 1:43	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		83.2	50-150					9/20/17 1:43	

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

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

Sample Description:

Work Order: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-111-2

Sampled: 9/11/2017 09:36

Sample ID: 1710378-12

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.6		% Wt	1		SM 2540G	9/18/17	9/19/17 8:23	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: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-111-3

Sampled: 9/11/2017 09:37

Sample ID: 1710378-13

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:04	KAL
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:04	KAL
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:04	KAL
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:04	KAL
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:04	KAL
Aroclor-1254 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:04	KAL
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:04	KAL
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:04	KAL
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:04	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		88.8	30-150					9/21/17 23:04	
Decachlorobiphenyl [2]		97.1	30-150					9/21/17 23:04	
Tetrachloro-m-xylene [1]		93.3	30-150					9/21/17 23:04	
Tetrachloro-m-xylene [2]		96.5	30-150					9/21/17 23:04	

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: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-111-3

Sampled: 9/11/2017 09:37

Sample ID: 1710378-13

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.4	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 13:58	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: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-111-3

Sampled: 9/11/2017 09:37

Sample ID: 1710378-13

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	96.2		% Wt	1		SM 2540G	9/18/17	9/19/17 8:23	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: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-105-1

Sampled: 9/11/2017 09:38

Sample ID: 1710378-14

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	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:21	KAL
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:21	KAL
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:21	KAL
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:21	KAL
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:21	KAL
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:21	KAL
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:21	KAL
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:21	KAL
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:21	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		83.1	30-150					9/21/17 23:21	
Decachlorobiphenyl [2]		94.2	30-150					9/21/17 23:21	
Tetrachloro-m-xylene [1]		90.4	30-150					9/21/17 23:21	
Tetrachloro-m-xylene [2]		89.7	30-150					9/21/17 23:21	

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

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

Sample Description:

Work Order: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-105-1

Sampled: 9/11/2017 09:38

Sample ID: 1710378-14

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		CTDEP ETPH	9/18/17	9/20/17 2:01	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		64.0	50-150					9/20/17 2:01	

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: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-105-1

Sampled: 9/11/2017 09:38

Sample ID: 1710378-14

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.1		% Wt	1		SM 2540G	9/18/17	9/19/17 8:23	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: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-105-2

Sampled: 9/11/2017 09:39

Sample ID: 1710378-15

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:38	KAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:38	KAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:38	KAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:38	KAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:38	KAL
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:38	KAL
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:38	KAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:38	KAL
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:38	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		76.5	30-150					9/21/17 23:38	
Decachlorobiphenyl [2]		83.7	30-150					9/21/17 23:38	
Tetrachloro-m-xylene [1]		84.8	30-150					9/21/17 23:38	
Tetrachloro-m-xylene [2]		90.9	30-150					9/21/17 23:38	

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: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-105-2

Sampled: 9/11/2017 09:39

Sample ID: 1710378-15

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	93.5		% Wt	1		SM 2540G	9/18/17	9/19/17 8:23	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: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-105-3

Sampled: 9/11/2017 09:40

Sample ID: 1710378-16

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:56	KAL
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:56	KAL
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:56	KAL
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:56	KAL
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:56	KAL
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:56	KAL
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:56	KAL
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:56	KAL
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:56	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		41.8	30-150					9/21/17 23:56	
Decachlorobiphenyl [2]		50.9	30-150					9/21/17 23:56	
Tetrachloro-m-xylene [1]		45.9	30-150					9/21/17 23:56	
Tetrachloro-m-xylene [2]		44.6	30-150					9/21/17 23:56	

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: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-105-3

Sampled: 9/11/2017 09:40

Sample ID: 1710378-16

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.9		% Wt	1		SM 2540G	9/18/17	9/19/17 8:23	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: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-110-1

Sampled: 9/11/2017 09:46

Sample ID: 1710378-17

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	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:13	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:13	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:13	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:13	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:13	KAL
Aroclor-1254 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:13	KAL
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:13	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:13	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:13	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		72.7	30-150					9/22/17 0:13	
Decachlorobiphenyl [2]		78.4	30-150					9/22/17 0:13	
Tetrachloro-m-xylene [1]		80.6	30-150					9/22/17 0:13	
Tetrachloro-m-xylene [2]		85.8	30-150					9/22/17 0:13	

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: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-110-1

Sampled: 9/11/2017 09:46

Sample ID: 1710378-17

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	95.4		% Wt	1		SM 2540G	9/18/17	9/19/17 8:23	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: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-110-2

Sampled: 9/11/2017 09:47

Sample ID: 1710378-18

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:31	KAL
Aroclor-1221 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:31	KAL
Aroclor-1232 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:31	KAL
Aroclor-1242 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:31	KAL
Aroclor-1248 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:31	KAL
Aroclor-1254 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:31	KAL
Aroclor-1260 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:31	KAL
Aroclor-1262 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:31	KAL
Aroclor-1268 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:31	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		78.1	30-150					9/22/17 0:31	
Decachlorobiphenyl [2]		85.5	30-150					9/22/17 0:31	
Tetrachloro-m-xylene [1]		82.3	30-150					9/22/17 0:31	
Tetrachloro-m-xylene [2]		88.2	30-150					9/22/17 0:31	

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: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-110-2

Sampled: 9/11/2017 09:47

Sample ID: 1710378-18

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.3		% Wt	1		SM 2540G	9/18/17	9/19/17 8:23	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: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-110-3

Sampled: 9/11/2017 09:48

Sample ID: 1710378-19

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	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:48	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:48	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:48	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:48	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:48	KAL
Aroclor-1254 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:48	KAL
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:48	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:48	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:48	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		80.8	30-150					9/22/17 0:48	
Decachlorobiphenyl [2]		89.4	30-150					9/22/17 0:48	
Tetrachloro-m-xylene [1]		88.2	30-150					9/22/17 0:48	
Tetrachloro-m-xylene [2]		92.8	30-150					9/22/17 0:48	

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

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

Sample Description:

Work Order: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-110-3

Sampled: 9/11/2017 09:48

Sample ID: 1710378-19

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	66	53	mg/Kg dry	5		CTDEP ETPH	9/18/17	9/20/17 19:13	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		74.8	50-150					9/20/17 19:13	

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: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-110-3

Sampled: 9/11/2017 09:48

Sample ID: 1710378-19

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	93.3		% Wt	1		SM 2540G	9/18/17	9/19/17 8:23	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: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-103-1

Sampled: 9/11/2017 09:54

Sample ID: 1710378-20

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	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 1:06	KAL
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 1:06	KAL
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 1:06	KAL
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 1:06	KAL
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 1:06	KAL
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 1:06	KAL
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 1:06	KAL
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 1:06	KAL
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 1:06	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		79.8	30-150					9/22/17 1:06	
Decachlorobiphenyl [2]		87.4	30-150					9/22/17 1:06	
Tetrachloro-m-xylene [1]		86.3	30-150					9/22/17 1:06	
Tetrachloro-m-xylene [2]		91.6	30-150					9/22/17 1:06	

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: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-103-1

Sampled: 9/11/2017 09:54

Sample ID: 1710378-20

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	23	11	mg/Kg dry	1		CTDEP ETPH	9/18/17	9/20/17 7:54	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		79.8	50-150					9/20/17 7:54	

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: 1710378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-103-1

Sampled: 9/11/2017 09:54

Sample ID: 1710378-20

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.7		% Wt	1		SM 2540G	9/18/17	9/19/17 8:23	MRL

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0378-01 [WS-AOC15-SO-27-1]	B186472	30.2	1.00	09/18/17
17I0378-12 [WS-AOC-12W-SO-111-2]	B186472	30.0	1.00	09/18/17
17I0378-14 [WS-AOC-12W-SO-105-1]	B186472	30.0	1.00	09/18/17
17I0378-19 [WS-AOC-12W-SO-110-3]	B186472	30.1	1.00	09/18/17
17I0378-20 [WS-AOC-12W-SO-103-1]	B186472	30.1	1.00	09/18/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17I0378-01 [WS-AOC15-SO-27-1]	B186437	09/18/17
17I0378-02 [WS-AOC15-SO-27-2]	B186437	09/18/17
17I0378-03 [WS-AOC15-SO-27-3]	B186437	09/18/17
17I0378-04 [WS-AOC-9-SO-29-1]	B186437	09/18/17
17I0378-05 [WS-AOC-9-SO-29-2]	B186437	09/18/17
17I0378-06 [WS-AOC-9-SO-29-3]	B186437	09/18/17
17I0378-07 [WS-AOC-9-SO-29-4]	B186437	09/18/17
17I0378-08 [WS-AOC-12W-SO-112-1]	B186437	09/18/17
17I0378-09 [WS-AOC-12W-SO-112-2]	B186437	09/18/17
17I0378-10 [WS-AOC-12W-SO-112-3]	B186437	09/18/17
17I0378-11 [WS-AOC-12W-SO-111-1]	B186437	09/18/17
17I0378-12 [WS-AOC-12W-SO-111-2]	B186437	09/18/17
17I0378-13 [WS-AOC-12W-SO-111-3]	B186437	09/18/17
17I0378-14 [WS-AOC-12W-SO-105-1]	B186437	09/18/17
17I0378-15 [WS-AOC-12W-SO-105-2]	B186437	09/18/17
17I0378-16 [WS-AOC-12W-SO-105-3]	B186437	09/18/17
17I0378-17 [WS-AOC-12W-SO-110-1]	B186437	09/18/17
17I0378-18 [WS-AOC-12W-SO-110-2]	B186437	09/18/17
17I0378-19 [WS-AOC-12W-SO-110-3]	B186437	09/18/17
17I0378-20 [WS-AOC-12W-SO-103-1]	B186437	09/18/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0378-13 [WS-AOC-12W-SO-111-3]	B186450	1.08	50.0	09/18/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0378-01 [WS-AOC15-SO-27-1]	B186484	10.1	10.0	09/18/17
17I0378-02 [WS-AOC15-SO-27-2]	B186484	10.2	10.0	09/18/17
17I0378-03 [WS-AOC15-SO-27-3]	B186484	10.2	10.0	09/18/17
17I0378-04 [WS-AOC-9-SO-29-1]	B186484	10.0	10.0	09/18/17
17I0378-05 [WS-AOC-9-SO-29-2]	B186484	10.0	10.0	09/18/17
17I0378-06 [WS-AOC-9-SO-29-3]	B186484	10.2	10.0	09/18/17
17I0378-07 [WS-AOC-9-SO-29-4]	B186484	10.0	10.0	09/18/17
17I0378-08 [WS-AOC-12W-SO-112-1]	B186484	10.2	10.0	09/18/17
17I0378-09 [WS-AOC-12W-SO-112-2]	B186484	10.0	10.0	09/18/17
17I0378-10 [WS-AOC-12W-SO-112-3]	B186484	10.1	10.0	09/18/17
17I0378-11 [WS-AOC-12W-SO-111-1]	B186484	10.2	10.0	09/18/17
17I0378-12 [WS-AOC-12W-SO-111-2]	B186484	10.0	10.0	09/18/17
17I0378-13 [WS-AOC-12W-SO-111-3]	B186484	10.2	10.0	09/18/17

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

Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0378-14 [WS-AOC-12W-SO-105-1]	B186484	10.1	10.0	09/18/17
17I0378-15 [WS-AOC-12W-SO-105-2]	B186484	10.0	10.0	09/18/17
17I0378-16 [WS-AOC-12W-SO-105-3]	B186484	10.0	10.0	09/18/17
17I0378-17 [WS-AOC-12W-SO-110-1]	B186484	10.0	10.0	09/18/17
17I0378-18 [WS-AOC-12W-SO-110-2]	B186484	10.2	10.0	09/18/17
17I0378-19 [WS-AOC-12W-SO-110-3]	B186484	10.2	10.0	09/18/17
17I0378-20 [WS-AOC-12W-SO-103-1]	B186484	10.0	10.0	09/18/17

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

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186484 - SW-846 3540C										
Blank (B186484-BLK1)										
Prepared: 09/18/17 Analyzed: 09/21/17										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.208		mg/Kg wet	0.200		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.179		mg/Kg wet	0.200		89.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.194		mg/Kg wet	0.200		97.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.141		mg/Kg wet	0.200		70.5	30-150			
LCS (B186484-BS1)										
Prepared: 09/18/17 Analyzed: 09/21/17										
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		84.1	40-140			
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		83.3	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		78.5	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		80.1	40-140			
Surrogate: Decachlorobiphenyl	0.205		mg/Kg wet	0.200		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.176		mg/Kg wet	0.200		88.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.195		mg/Kg wet	0.200		97.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.144		mg/Kg wet	0.200		71.8	30-150			
LCS Dup (B186484-BSD1)										
Prepared: 09/18/17 Analyzed: 09/21/17										
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		85.6	40-140	1.78	30	
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		84.0	40-140	0.774	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		79.1	40-140	0.742	30	
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		80.9	40-140	1.03	30	
Surrogate: Decachlorobiphenyl	0.199		mg/Kg wet	0.200		99.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.175		mg/Kg wet	0.200		87.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.203		mg/Kg wet	0.200		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.150		mg/Kg wet	0.200		74.9	30-150			

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

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186484 - SW-846 3540C										
Matrix Spike (B186484-MS1) Source: 1710378-09 Prepared: 09/18/17 Analyzed: 09/22/17										
Aroclor-1016	0.17	0.086	mg/Kg dry	0.214	ND	80.3	40-140			
Aroclor-1016 [2C]	0.16	0.086	mg/Kg dry	0.214	ND	73.9	40-140			
Aroclor-1260	0.23	0.086	mg/Kg dry	0.214	0.12	52.2	40-140			
Aroclor-1260 [2C]	0.24	0.086	mg/Kg dry	0.214	0.11	62.4	40-140			
Surrogate: Decachlorobiphenyl	0.167		mg/Kg dry	0.214		77.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.195		mg/Kg dry	0.214		91.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.186		mg/Kg dry	0.214		86.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.186		mg/Kg dry	0.214		86.8	30-150			
Matrix Spike (B186484-MS2) Source: 1710378-12 Prepared: 09/18/17 Analyzed: 09/22/17										
Aroclor-1016	0.17	0.081	mg/Kg dry	0.203	ND	85.4	40-140			
Aroclor-1016 [2C]	0.17	0.081	mg/Kg dry	0.203	ND	85.8	40-140			
Aroclor-1260	0.15	0.081	mg/Kg dry	0.203	ND	72.2	40-140			
Aroclor-1260 [2C]	0.15	0.081	mg/Kg dry	0.203	ND	73.8	40-140			
Surrogate: Decachlorobiphenyl	0.155		mg/Kg dry	0.203		76.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.168		mg/Kg dry	0.203		82.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.178		mg/Kg dry	0.203		87.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.188		mg/Kg dry	0.203		92.8	30-150			
Matrix Spike (B186484-MS3) Source: 1710378-15 Prepared: 09/18/17 Analyzed: 09/22/17										
Aroclor-1016	0.20	0.085	mg/Kg dry	0.212	ND	92.3	40-140			
Aroclor-1016 [2C]	0.19	0.085	mg/Kg dry	0.212	ND	88.7	40-140			
Aroclor-1260	0.17	0.085	mg/Kg dry	0.212	ND	81.2	40-140			
Aroclor-1260 [2C]	0.18	0.085	mg/Kg dry	0.212	ND	84.9	40-140			
Surrogate: Decachlorobiphenyl	0.178		mg/Kg dry	0.212		83.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.196		mg/Kg dry	0.212		92.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.203		mg/Kg dry	0.212		96.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.209		mg/Kg dry	0.212		98.8	30-150			
Matrix Spike (B186484-MS4) Source: 1710378-18 Prepared: 09/18/17 Analyzed: 09/22/17										
Aroclor-1016	0.19	0.083	mg/Kg dry	0.208	ND	91.0	40-140			
Aroclor-1016 [2C]	0.19	0.083	mg/Kg dry	0.208	ND	92.4	40-140			
Aroclor-1260	0.16	0.083	mg/Kg dry	0.208	ND	76.5	40-140			
Aroclor-1260 [2C]	0.17	0.083	mg/Kg dry	0.208	ND	81.8	40-140			
Surrogate: Decachlorobiphenyl	0.165		mg/Kg dry	0.208		79.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.177		mg/Kg dry	0.208		85.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.190		mg/Kg dry	0.208		91.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.210		mg/Kg dry	0.208		101	30-150			
Matrix Spike Dup (B186484-MSD1) Source: 1710378-09 Prepared: 09/18/17 Analyzed: 09/22/17										
Aroclor-1016	0.16	0.085	mg/Kg dry	0.212	ND	76.7	40-140	5.63	50	
Aroclor-1016 [2C]	0.15	0.085	mg/Kg dry	0.212	ND	71.7	40-140	3.97	50	
Aroclor-1260	0.21	0.085	mg/Kg dry	0.212	0.12	41.2	40-140	11.2	50	
Aroclor-1260 [2C]	0.22	0.085	mg/Kg dry	0.212	0.11	52.1	40-140	10.1	50	
Surrogate: Decachlorobiphenyl	0.160		mg/Kg dry	0.212		75.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.194		mg/Kg dry	0.212		91.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.198		mg/Kg dry	0.212		93.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.179		mg/Kg dry	0.212		84.2	30-150			

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

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186484 - SW-846 3540C										
Matrix Spike Dup (B186484-MSD2)										
		Source: 1710378-12			Prepared: 09/18/17 Analyzed: 09/22/17					
Aroclor-1016	0.19	0.082	mg/Kg dry	0.205	ND	90.7	40-140	6.99	50	
Aroclor-1016 [2C]	0.19	0.082	mg/Kg dry	0.205	ND	90.8	40-140	6.64	50	
Aroclor-1260	0.15	0.082	mg/Kg dry	0.205	ND	74.5	40-140	4.12	50	
Aroclor-1260 [2C]	0.16	0.082	mg/Kg dry	0.205	ND	76.7	40-140	4.80	50	
Surrogate: Decachlorobiphenyl	0.164		mg/Kg dry	0.205		80.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.179		mg/Kg dry	0.205		87.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.196		mg/Kg dry	0.205		95.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.207		mg/Kg dry	0.205		101	30-150			
Matrix Spike Dup (B186484-MSD3)										
		Source: 1710378-15			Prepared: 09/18/17 Analyzed: 09/22/17					
Aroclor-1016	0.19	0.084	mg/Kg dry	0.210	ND	91.0	40-140	2.33	50	
Aroclor-1016 [2C]	0.19	0.084	mg/Kg dry	0.210	ND	90.7	40-140	1.20	50	
Aroclor-1260	0.16	0.084	mg/Kg dry	0.210	ND	77.5	40-140	5.58	50	
Aroclor-1260 [2C]	0.17	0.084	mg/Kg dry	0.210	ND	81.7	40-140	4.79	50	
Surrogate: Decachlorobiphenyl	0.165		mg/Kg dry	0.210		78.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.179		mg/Kg dry	0.210		85.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.192		mg/Kg dry	0.210		91.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.202		mg/Kg dry	0.210		96.2	30-150			
Matrix Spike Dup (B186484-MSD4)										
		Source: 1710378-18			Prepared: 09/18/17 Analyzed: 09/22/17					
Aroclor-1016	0.19	0.083	mg/Kg dry	0.208	ND	89.7	40-140	1.51	50	
Aroclor-1016 [2C]	0.19	0.083	mg/Kg dry	0.208	ND	90.6	40-140	1.98	50	
Aroclor-1260	0.16	0.083	mg/Kg dry	0.208	ND	77.2	40-140	0.976	50	
Aroclor-1260 [2C]	0.17	0.083	mg/Kg dry	0.208	ND	83.5	40-140	2.09	50	
Surrogate: Decachlorobiphenyl	0.163		mg/Kg dry	0.208		78.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.174		mg/Kg dry	0.208		83.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.182		mg/Kg dry	0.208		87.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.194		mg/Kg dry	0.208		93.3	30-150			

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

QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186472 - SW-846 3546										
Blank (B186472-BLK1)										
					Prepared: 09/18/17 Analyzed: 09/19/17					
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	2.75		mg/Kg wet	3.33		82.4	50-150			
LCS (B186472-BS1)										
					Prepared: 09/18/17 Analyzed: 09/19/17					
CT ETPH	24.8	10	mg/Kg wet	33.3		74.5	60-120			
Surrogate: o-Terphenyl	2.85		mg/Kg wet	3.33		85.6	50-150			
LCS Dup (B186472-BSD1)										
					Prepared: 09/18/17 Analyzed: 09/19/17					
CT ETPH	24.2	10	mg/Kg wet	33.3		72.5	60-120	2.67	30	
Surrogate: o-Terphenyl	2.73		mg/Kg wet	3.33		81.8	50-150			
Matrix Spike (B186472-MS1)										
			Source: 1710378-12		Prepared: 09/18/17 Analyzed: 09/20/17					
CT ETPH	74.4	52	mg/Kg dry	34.4	91.1	-48.7 *	50-150			MS-09
Surrogate: o-Terphenyl	2.70		mg/Kg dry	3.44		78.4	50-150			
Matrix Spike Dup (B186472-MSD1)										
			Source: 1710378-12		Prepared: 09/18/17 Analyzed: 09/20/17					
CT ETPH	67.0	52	mg/Kg dry	34.4	91.1	-70.3 *	50-150	10.5	30	MS-09
Surrogate: o-Terphenyl	2.36		mg/Kg dry	3.44		68.7	50-150			

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

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186450 - SW-846 3050B										
Blank (B186450-BLK1)										
					Prepared: 09/18/17 Analyzed: 09/19/17					
Arsenic	ND	2.5	mg/Kg wet							
LCS (B186450-BS1)										
					Prepared: 09/18/17 Analyzed: 09/19/17					
Arsenic	143	5.0	mg/Kg wet	157		90.9	77.8-122.1			
LCS Dup (B186450-BSD1)										
					Prepared: 09/18/17 Analyzed: 09/19/17					
Arsenic	146	4.8	mg/Kg wet	157		93.1	77.8-122.1	2.31	30	

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

QUALITY CONTROL

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186437 - % Solids										
Duplicate (B186437-DUP1)	Source: 1710378-09		Prepared: 09/18/17 Analyzed: 09/19/17							
% Solids	92.2		% Wt		93.3			1.19	20	
Duplicate (B186437-DUP2)	Source: 1710378-12		Prepared: 09/18/17 Analyzed: 09/19/17							
% Solids	96.1		% Wt		96.6			0.519	20	
Duplicate (B186437-DUP3)	Source: 1710378-15		Prepared: 09/18/17 Analyzed: 09/19/17							
% Solids	92.8		% Wt		93.5			0.751	20	
Duplicate (B186437-DUP4)	Source: 1710378-18		Prepared: 09/18/17 Analyzed: 09/19/17							
% Solids	96.0		% Wt		96.3			0.312	20	

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

WS-AOC-9-SO-29-1

SW-846 8082A

Lab Sample ID: 1710378-04 Date(s) Analyzed: 09/22/2017 09/22/2017

Instrument ID (1): _____ Instrument ID (2): _____

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	74	
	2	0.000	-0.030	0.030	78	5.3

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

WS-AOC-9-SO-29-2

SW-846 8082A

Lab Sample ID: 1710378-05 Date(s) Analyzed: 09/22/2017 09/22/2017

Instrument ID (1): _____ Instrument ID (2): _____

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	5.7	
	2	0.000	-0.030	0.030	5.9	3.5

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

WS-AOC-12W-SO-112-2

Lab Sample ID: 1710378-09 Date(s) Analyzed: 09/21/2017 09/21/2017

Instrument ID (1): _____ Instrument ID (2): _____

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.12	
	2	0.000	-0.030	0.030	0.11	8.7

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

WS-AOC-12W-SO-112-3

SW-846 8082A

Lab Sample ID: 1710378-10 Date(s) Analyzed: 09/21/2017 09/21/2017

Instrument ID (1): _____ Instrument ID (2): _____

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.15	
	2	0.000	-0.030	0.030	0.16	6.5

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

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
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-09	Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
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

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	09/30/2019
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	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

CHAIN OF CUSTODY RECORD

1710378

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 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
001	WS-PDC-15-50-20-1	9/11/17	1129		X	S	U
002	WS-PDC-15-50-20-2	9/11/17	1130		X	S	U
003	WS-PDC-15-50-20-3	9/11/17	1131		X	S	U
004	WS-PDC-9-50-29-1	9/11/17	1140		X	S	U
005	WS-PDC-9-50-29-2	9/11/17	1147		X	S	U
006	WS-PDC-9-50-29-3	9/11/17	1148		X	S	U
007	WS-PDC-9-50-29-4	9/11/17	1149		X	S	U
008	WS-PDC-12W-50-112-1	9/11/17	1215		X	S	U
009	WS-PDC-12W-50-112-2	9/11/17	1216		X	S	U
010	WS-PDC-12W-50-112-3	9/11/17	1217		X	S	U

Comments: Please hold excess volumes for possible SPLP analyses. Please do MS/MSD for WS-PDC-12W-50-112-2

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

Requisitioned by: (signature)	Date/Time:	Detection Limit Requirements
<i>[Signature]</i>	9/11/17 1445	MA
Received by: (signature)	Date/Time:	
<i>[Signature]</i>	9/11/17 1445	
Requisitioned by: (signature)	Date/Time:	
<i>[Signature]</i>	9/11/17 1505	CT
Received by: (signature)	Date/Time:	
<i>[Signature]</i>	9/11/17 1505	Other:
Requisitioned by: (signature)	Date/Time:	
<i>[Signature]</i>	9/11/17 430	
Received by: (signature)	Date/Time:	
<i>[Signature]</i>	9/11/17 1030	

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

of Containers
 1 Preservation Code
 2 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)

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 #:

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: Malcolm Beeler (Weston & Sampson)

Invoice Recipient: Chris Berthiaume/Will Sirotnak

Sampled By:

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
11	WS-PDC-12W-SD-111-1	9/11/17	0935		X	S	V
12	WS-PDC-12W-SD-111-2	9/11/17	0936		X	S	V
13	WS-PDC-12W-SD-111-3	9/11/17	0937		X	S	V
14	WS-PDC-12W-SD-105-1	9/11/17	0938		X	S	V
15	WS-PDC-12W-SD-105-2	9/11/17	0939		X	S	V
16	WS-PDC-12W-SD-105-3	9/11/17	0940		X	S	V
17	WS-PDC-12W-SD-110-1	9/11/17	0941		X	S	V
18	WS-PDC-12W-SD-110-2	9/11/17	0947		X	S	V
19	WS-PDC-12W-SD-110-3	9/11/17	0948		X	S	V
20	WS-PDC-12W-SD-108-1	9/11/17	0954		X	S	V

Comments:

Please hold excess volumes for possible SPLP analyses.
 PLEASE DO NOT DESTROY ANALYSES FOR WS-PDC-12W-SD-111-2 FOR PCBs AND ETRH, AND
 FOR WS-PDC-12W-SD-105-2 FOR SW PCBs, AND WS-PDC-12W-SD-110-2 FOR PCBs.

Relinquished by: (signature) [Signature] Date/Time: 9/11/17 1445 MA

Received by: (signature) [Signature] Date/Time: 9/11/17 1445 CT

Relinquished by: (signature) [Signature] Date/Time: 9/11/17 1505

Received by: (signature) [Signature] Date/Time: 9/11/17 1505

Relinquished by: (signature) [Signature] Date/Time: 9/11/17 430

Received by: (signature) [Signature] Date/Time: 9/11/17 1030

Detection Limit Requirements
 RES DEC

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

RELAC and AIHA-LAP, LLC Accredited

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

of Containers: _____
 Preservation Code: _____
 Container Code: _____

Dissolved/Metalis Samples
 Field Filtered
 Lab to Filter

Orthophosphate Samples
 Field Filtered
 Lab to Filter

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

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

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

ANALYSIS REQUESTED

Analysis	Requested	Sample	Matrix	Conc
PCBs solvent	X		S	V
ETPH	X		S	V
Arsenic	X		S	V

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 PLF Date 9/11/17 Time 11:30

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 # 7 Actual Temp - 23°C
 By Blank # _____ Actual Temp - _____

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

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

Is COC in ink/ Legible? T Were samples received within holding time? T
 Did COC include all pertinent Information? Client T Analysis T Sampler Name T
 Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T
 Are there Lab to Filters? F Who was notified? _____
 Are there Rushes? F Who was notified? _____
 Are there Short Holds? F Who was notified? _____

Is there enough Volume? T
 Is there Headspace where applicable? NA MS/MSD? NA
 Proper Media/Containers Used? T Is splitting samples required? F
 Were trip blanks received? F On COC? NA
 Do all samples have the proper pH? Acid NA Base NA

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		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\A091917.SEC\A0919137.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/20/17
 Data File Name A0919137.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	620853	652710	-5
c - 10	1.63	631926	652710	-3
c - 12	2.34	650993	652710	0
c - 14	3.01	660660	652710	1
c - 16	3.61	672375	652710	3
c - 18	4.22	661082	652710	1
o-Terphenyl	4.51	734754	652710	
c - 20	4.83	666433	652710	2
c - 22	5.33	671692	652710	3
c - 24	5.77	624925	652710	-4
c - 26	6.16	658424	652710	1
c - 28	6.52	654250	652710	0
c - 30	6.85	655163	652710	0
c - 32	7.16	647569	652710	-1
c - 34	7.45	655759	652710	0
c - 36	7.76	658546	652710	1

* One compound allowed %D <= 50%

Samples

1710378-20
 1710380-01
 1710380-03
 1710241-04@20X

D:\HPCHEM\1\DATA\A091917.SEC\A0919035.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/19/17
 Data File Name A0919035.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	%D +/- 20
c - 9	1.28	546711	576637	-5
c - 10	1.62	556905	576637	-3
c - 12	2.34	574213	576637	0
c - 14	3.01	583332	576637	1
c - 16	3.61	594004	576637	3
c - 18	4.23	585093	576637	1
o-Terphenyl	4.51	648324	576637	
c - 20	4.83	589878	576637	2
c - 22	5.33	595941	576637	3
c - 24	5.77	554361	576637	-4
c - 26	6.16	583067	576637	1
c - 28	6.52	578745	576637	0
c - 30	6.85	578910	576637	0
c - 32	7.16	570456	576637	-1
c - 34	7.45	576804	576637	0
c - 36	7.77	581137	576637	1

* One compound allowed %D <= 50%

Samples

1710242-15@20X
 1710244-05@20X
 1710244-14@20X
 1710320-19@5X
 1710321-05@5X
 1710321-08@5X
 1710242-06@20X
 1710242-09@20X
 1710241-04@20X
 1710241-13@20X
 1710456-01@20X

D:\HPCHEM\1\DATA\A091917.SEC\A0919081.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/19/17
 Data File Name A0919081.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	">%D +/- 20
c - 9	1.28	601774	632314	-5
c - 10	1.63	612165	632314	-3
c - 12	2.35	630848	632314	0
c - 14	3.01	640223	632314	1
c - 16	3.61	651756	632314	3
c - 18	4.22	640680	632314	1
o-Terphenyl	4.51	710078	632314	
c - 20	4.83	645606	632314	2
c - 22	5.33	652240	632314	3
c - 24	5.77	606960	632314	-4
c - 26	6.16	638906	632314	1
c - 28	6.52	633560	632314	0
c - 30	6.85	633652	632314	0
c - 32	7.16	624927	632314	-1
c - 34	7.45	634184	632314	0
c - 36	7.77	637226	632314	1

* One compound allowed %D <= 50%

Samples

1710531-03
 1710531-04
 1710656-01
 1710378-12@5X
 1710378-14@10X
 1710319-08@5X
 1710319-16@5X
 1710320-08@5X
 1710320-12@5X
 1710321-02@20X
 1710455-01@20X
 1710531-01
 1710531-02

D:\HPCHEM\1\DATA\A092017.SEC\A0920031.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/20/17
 Data File Name A0920031.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	">%D +/- 20
c - 9	1.28	541173	562711	-4
c - 10	1.62	549935	562711	-2
c - 12	2.34	566528	562711	1
c - 14	3.01	574189	562711	2
c - 16	3.61	582627	562711	4
c - 18	4.22	570510	562711	1
o-Terphenyl	4.51	631761	562711	
c - 20	4.83	572845	562711	2
c - 22	5.33	578821	562711	3
c - 24	5.77	538783	562711	-4
c - 26	6.16	569323	562711	1
c - 28	6.52	564215	562711	0
c - 30	6.85	562306	562711	0
c - 32	7.16	552003	562711	-2
c - 34	7.45	557640	562711	-1
c - 36	7.76	559760	562711	-1

* One compound allowed %D <= 50%

Samples

1710719-02@5X
 1710719-03@50X
 1710719-05@100X
 1710719-06@100X
 1710719-14@100X
 1710719-01@100X
 1710378-19@5X
 1710379-03@50X
 1710378-01@50X
 1710380-04@5X
 1710380-06@20X
 1710380-02@10X
 1710517-13

D:\HPCHEM1\DATA\A092017.SEC\A0920079.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/20/17
 Data File Name A0920079.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	">%D +/- 20
c - 9	1.28	593179	621951	-5
c - 10	1.62	601870	621951	-3
c - 12	2.34	620530	621951	0
c - 14	3.01	631091	621951	1
c - 16	3.61	641967	621951	3
c - 18	4.22	630375	621951	1
o-Terphenyl	4.51	697469	621951	
c - 20	4.83	634151	621951	2
c - 22	5.33	640559	621951	3
c - 24	5.77	596341	621951	-4
c - 26	6.16	629258	621951	1
c - 28	6.52	625172	621951	1
c - 30	6.85	625957	621951	1
c - 32	7.16	616353	621951	-1
c - 34	7.45	620644	621951	0
c - 36	7.76	621823	621951	0

* One compound allowed %D <= 50%

Samples

1710517-04
 1710517-09
 1710517-12
 1710462-04
 1710462-17
 1710462-20
 1710463-12
 1710241-10RE1@5X



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: 17I0378

Laboratory Sample ID(s):

Sample Date(s):

17I0378-01 thru 17I0378-20

09/11/2017

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 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: 09/22/17

Name of Laboratory: Con-Test Analytical Laboratory

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

Table of Contents

Sample Summary	4
Case Narrative	5
Sample Results	6
17G0867-01	6
17G0867-02	8
17G0867-03	10
17G0867-04	12
17G0867-05	14
17G0867-06	16
17G0867-07	18
17G0867-08	20
17G0867-09	22
17G0867-10	24
17G0867-11	26
17G0867-12	28
17G0867-13	30
17G0867-14	32
17G0867-15	34
17G0867-16	36
17G0867-17	38
17G0867-18	40
17G0867-19	42
17G0867-20	44
Sample Preparation Information	46
QC Data	48

Table of Contents (continued)

Semivolatile Organic Compounds by GC/MS	48
B182710	48
Polychlorinated Biphenyls with 3540 Soxhlet Extraction	50
B182736	50
Petroleum Hydrocarbons Analyses	52
B182711	52
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)	53
B182677	53
Dual Column RPD Report	54
Flag/Qualifier Summary	67
Certifications	68
Chain of Custody/Sample Receipt	70

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

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

REPORT DATE: 9/6/2017

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-98-1	17G0867-08	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-98-2A	17G0867-09	Water		SM 2540G SW-846 8082A	
WS-AOC12W-SO-98-2B	17G0867-10	Soil		SM 2540G SW-846 8270D	
WS-AOC12W-SO-98-3	17G0867-11	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-98-4	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 09/06/17 - Sample IDs updated per client request.

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-98-4]

Decachlorobiphenyl [2C]

17G0867-12[WS-AOC12W-SO-98-4]

Tetrachloro-m-xylene

17G0867-12[WS-AOC12W-SO-98-4]

Tetrachloro-m-xylene [2C]

17G0867-12[WS-AOC12W-SO-98-4]

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	

39 Spruce Street * 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

Conventional 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	

39 Spruce Street * 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

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	98.4		% 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	

39 Spruce Street * 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

Conventional 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

39 Spruce Street * 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-88-2B

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	

39 Spruce Street * 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-88-2B

Sampled: 7/20/2017 13:27

Sample ID: 17G0867-05

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	98.2		% 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-88-3

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	

39 Spruce Street * 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-88-3

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

39 Spruce Street * 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-88-4

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	

39 Spruce Street * 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-88-4

Sampled: 7/20/2017 13:29

Sample ID: 17G0867-07

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.5		% 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-98-1

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	

39 Spruce Street * 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-98-1

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

39 Spruce Street * 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-98-2A

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-98-2A

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-98-2B

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	

39 Spruce Street * 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-98-2B

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

39 Spruce Street * 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-98-3

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-98-3

Sampled: 7/20/2017 13:33

Sample ID: 17G0867-11

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.4		% 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-98-4

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	

39 Spruce Street * 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-98-4

Sampled: 7/20/2017 13:34

Sample ID: 17G0867-12

Sample Matrix: Water

Conventional 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	7/27/17	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/APHA/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	

39 Spruce Street * 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

Conventional 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

39 Spruce Street * 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-97-2B

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	

39 Spruce Street * 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-97-2B

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

39 Spruce Street * 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-97-3

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	

39 Spruce Street * 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-97-3

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

39 Spruce Street * 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-97-4

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	

39 Spruce Street * 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-97-4

Sampled: 7/20/2017 14:05

Sample ID: 17G0867-17

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.5		% 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-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	

39 Spruce Street * 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-89-1

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	

39 Spruce Street * 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

Conventional 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	7/27/17	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-98-1]	B182677	07/27/17
17G0867-09 [WS-AOC12W-SO-98-2A]	B182677	07/27/17
17G0867-10 [WS-AOC12W-SO-98-2B]	B182677	07/27/17
17G0867-11 [WS-AOC12W-SO-98-3]	B182677	07/27/17
17G0867-12 [WS-AOC12W-SO-98-4]	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-98-1]	B182736	10.0	10.0	07/27/17
17G0867-09 [WS-AOC12W-SO-98-2A]	B182736	10.0	10.0	07/27/17
17G0867-11 [WS-AOC12W-SO-98-3]	B182736	10.0	10.0	07/27/17
17G0867-12 [WS-AOC12W-SO-98-4]	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-98-2B]	B182710	30.0	1.00	07/27/17

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

Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0867-15 [WS-AOC12W-SO-97-2B]	B182710	30.0	1.00	07/27/17

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

QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

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			

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

QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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			

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

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 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			

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

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 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			

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

QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 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			

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

QUALITY CONTROL

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 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	
----------	------	--	------	--	------	--	--	------	----	--

**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**

LCS

SW-846 8082A

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

LCS Dup

Lab Sample ID: B182736-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	0.16	
	2	0.000	-0.030	0.030	0.18	11.8
Aroclor-1260	1	0.000	-0.030	0.030	0.15	
	2	0.000	-0.030	0.030	0.16	6.5

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

Matrix Spike

SW-846 8082A

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

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.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
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

1760867

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-ACC12W-SO-48-2	11/29/17	10:52		X	S	U
2	WS-ACC12W-SO-48-3		10:34				
3	WS-ACC12W-SO-88-1		13:25				
4	WS-ACC12W-SO-88-2A		13:26				
5	WS-ACC12W-SO-88-2B		13:27				
6	WS-ACC12W-SO-88-3		13:28				
7	WS-ACC12W-SO-88-4		13:29				
8	WS-ACC12W-SO-87-1		13:30				
9	WS-ACC12W-SO-87-2A		13:31				
10	WS-ACC12W-SO-87-2B		13:32				

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:
<i>[Signature]</i>	7/10/17 1525
<i>[Signature]</i>	7/20/17 1335
<i>[Signature]</i>	7/20/17 1830
<i>[Signature]</i>	7/20/17 1830
<i>[Signature]</i>	

Requested Turnaround Time	Analysis Requested	Matrix Code	Conc Code
7-Day	PAHs		
10-Day	SPLP PCBs		
5-Day	(Box lot) PCBs		
3-Day	Asxmic		
4-Day	SPLP ETPH		
EXCEL	ETPH		X

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)

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 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:

From: [Schiavone, Timothy](#)
To: [Jim Georgantas](#)
Cc: [McGrath, Loren](#); [Spencer, Joseph](#); [Sirotnak, William](#)
Subject: English station Work Order #17G0867
Date: Thursday, July 27, 2017 5:09:15 PM
Attachments: [image001.png](#)

Jim,

On work order #17G0867 we listed sample IDs: WS-AOC12W-87-1, WS-AOC12W-87-2a, WS-AOC12W-87-2b, WS-AOC12W-87-3, WS-AOC12W-87-4. These IDs were already used on the project. Could you please change the sample names to the following:

- WS-AOC12W-87-1 : WS-AOC12W-98-1
- WS-AOC12W-87-2a: WS-AOC12W-98-2a
- WS-AOC12W-87-2b: WS-AOC12W-98-2b
- WS-AOC12W-87-3: WS-AOC12W-98-3
- WS-AOC12W-87-4: WS-AOC12W-98-4

Thanks!

Tim Schiavone
ENVIRONMENTAL SCIENTIST II



427 Main Street, Suite 400
Worcester, MA 01680
www.westonandsampson.com
Office: 508-762-1676 x3004
Direct: 978-587-4006

[Facebook](#) | [Twitter](#) | [LinkedIn](#)

The contents of this e-mail and any attachments are the property of the Weston & Sampson companies. The e-mail contents are only to be used by the intended recipient of the e-mail. If you are not the intended recipient, then use, disclosure, copying, distribution or reliance on the e-mail is prohibited. All professional advice from us should be obtained in writing (not e-mail).

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



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: 17G0867

Laboratory Sample ID(s):

Sample Date(s):

17G0867-01 thru 17G0867-20

07/20/2017

List RCP Methods Used:

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

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1A	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5A	Were reporting limits specified or referenced on the chain-of-custody?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5B	Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

This form may not be altered and all questions must be answered.

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

Authorized Signature:

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.

From: [Patel, Akanksha](#)
To: [Jim Georgantas](#)
Cc: [Beeler, Malcolm](#); [Schivone, Timothy](#); [McGrath, Loren](#)
Subject: English Station: Sample Location Change
Date: Wednesday, September 06, 2017 3:02:59 PM
Attachments: [image001.png](#)

Hey Jim!

We noticed we have two sets of samples of 87. The one that is dated 7/20/17 is actually supposed to be 98. Can you please change the 87 to 98 on both the pdf and CTRSR on work order 17G0867.

Thanks so much!

Akanksha Patel

Engineering Assistant

patelA@wseinc.com

Office: 860-513-1473 ext. 3071

Direct: 860-956-6945



Weston & Sampson

273 Dividend Road | Rocky Hill, CT 06067

westonandsampson.com

[Facebook](#) | [Twitter](#) | [LinkedIn](#)

The contents of this e-mail and any attachments are the property of the Weston & Sampson companies. The e-mail contents are only to be used by the intended recipient of the e-mail. If you are not the intended recipient, then use, disclosure, copying, distribution or reliance on the e-mail is prohibited. All professional advice from us should be obtained in writing (not e-mail).

August 31, 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: 17G1169

Enclosed are results of analyses for samples received by the laboratory on July 26, 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

Table of Contents

Sample Summary	4
Case Narrative	6
Sample Results	7
17G1169-01	7
17G1169-02	9
17G1169-03	11
17G1169-04	13
17G1169-05	15
17G1169-06	18
17G1169-07	20
17G1169-08	22
17G1169-09	24
17G1169-10	26
17G1169-11	28
17G1169-12	30
17G1169-13	32
17G1169-14	34
17G1169-15	36
17G1169-16	38
17G1169-17	40
17G1169-18	44
17G1169-19	46
17G1169-20	48
Sample Preparation Information	50
QC Data	52

Table of Contents (continued)

Semivolatile Organic Compounds by GC/MS	52
B183204	52
Polychlorinated Biphenyls with 3540 Soxhlet Extraction	54
B183245	54
Petroleum Hydrocarbons Analyses	56
B183209	56
Metals Analyses (Total)	57
B182729	57
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)	58
B182889	58
Dual Column RPD Report	59
Flag/Qualifier Summary	64
Certifications	65
Chain of Custody/Sample Receipt	67

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: 8/31/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G1169

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

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

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC12E-SO-18-1	17G1169-01	Soil		SM 2540G SW-846 8082A	
WS-AOC12E-SO-18-2	17G1169-02	Soil		SM 2540G SW-846 8082A	
WS-AOC12E-SO-18-3	17G1169-03	Soil		SM 2540G SW-846 8082A	
WS-AOC12E-SO-6-1A	17G1169-04	Soil		SM 2540G SW-846 8082A	
WS-AOC12E-SO-6-1B	17G1169-05	Soil		CTDEP ETPH SM 2540G SW-846 8270D	
WS-AOC12E-SO-6-2	17G1169-06	Soil		SM 2540G SW-846 8082A	
WS-AOC12E-SO-6-3	17G1169-07	Soil		SM 2540G SW-846 8082A	
WS-AOC12E-SO-13-1A	17G1169-08	Soil		SM 2540G SW-846 8082A	
WS-AOC12E-SO-13-1B	17G1169-09	Soil		CTDEP ETPH SM 2540G	
WS-AOC12E-SO-13-2	17G1169-10	Soil		SM 2540G SW-846 8082A	
WS-AOC12E-SO-13-3	17G1169-11	Soil		SM 2540G SW-846 8082A	
WS-AOC12E-SO-9-1	17G1169-12	Soil		SM 2540G SW-846 8082A	
WS-AOC12E-SO-9-2	17G1169-13	Soil		SM 2540G SW-846 8082A	
WS-AOC12E-SO-9-3	17G1169-14	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-50-1	17G1169-15	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-50-2A	17G1169-16	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-50-2B	17G1169-17	Soil		CTDEP ETPH SM 2540G SW-846 6010C-D SW-846 8270D	
WS-AOC12W-SO-50-3	17G1169-18	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-50-4	17G1169-19	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: 8/31/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G1169

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-96-4	17G1169-20	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: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12E-SO-18-1

Sampled: 7/25/2017 15:16

Sample ID: 17G1169-01

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	8/3/17	8/4/17 18:26	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 18:26	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 18:26	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 18:26	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 18:26	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 18:26	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 18:26	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 18:26	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 18:26	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		89.6	30-150					8/4/17 18:26	
Decachlorobiphenyl [2]		95.8	30-150					8/4/17 18:26	
Tetrachloro-m-xylene [1]		91.1	30-150					8/4/17 18:26	
Tetrachloro-m-xylene [2]		95.2	30-150					8/4/17 18:26	

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: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12E-SO-18-1

Sampled: 7/25/2017 15:16

Sample ID: 17G1169-01

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.3		% Wt	1		SM 2540G	7/31/17	8/1/17 8:48	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: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12E-SO-18-2

Sampled: 7/25/2017 15:17

Sample ID: 17G1169-02

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	8/3/17	8/4/17 18:38	JMB
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 18:38	JMB
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 18:38	JMB
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 18:38	JMB
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 18:38	JMB
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 18:38	JMB
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 18:38	JMB
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 18:38	JMB
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 18:38	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		78.7	30-150					8/4/17 18:38	
Decachlorobiphenyl [2]		83.9	30-150					8/4/17 18:38	
Tetrachloro-m-xylene [1]		81.5	30-150					8/4/17 18:38	
Tetrachloro-m-xylene [2]		85.3	30-150					8/4/17 18:38	

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

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

Sample Description:

Work Order: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12E-SO-18-2

Sampled: 7/25/2017 15:17

Sample ID: 17G1169-02

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	74.6		% Wt	1		SM 2540G	7/31/17	8/1/17 8:48	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: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12E-SO-18-3

Sampled: 7/25/2017 15:18

Sample ID: 17G1169-03

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	8/3/17	8/4/17 18:50	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 18:50	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 18:50	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 18:50	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 18:50	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 18:50	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 18:50	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 18:50	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 18:50	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		89.1	30-150					8/4/17 18:50	
Decachlorobiphenyl [2]		88.3	30-150					8/4/17 18:50	
Tetrachloro-m-xylene [1]		93.6	30-150					8/4/17 18:50	
Tetrachloro-m-xylene [2]		97.5	30-150					8/4/17 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: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12E-SO-18-3

Sampled: 7/25/2017 15:18

Sample ID: 17G1169-03

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	80.9		% Wt	1		SM 2540G	7/31/17	8/1/17 8:48	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: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12E-SO-6-1A

Sampled: 7/25/2017 15:10

Sample ID: 17G1169-04

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	8/3/17	8/4/17 19:03	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 19:03	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 19:03	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 19:03	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 19:03	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 19:03	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 19:03	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 19:03	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 19:03	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		99.6	30-150					8/4/17 19:03	
Decachlorobiphenyl [2]		99.0	30-150					8/4/17 19:03	
Tetrachloro-m-xylene [1]		88.4	30-150					8/4/17 19:03	
Tetrachloro-m-xylene [2]		91.7	30-150					8/4/17 19:03	

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

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

Sample Description:

Work Order: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12E-SO-6-1A

Sampled: 7/25/2017 15:10

Sample ID: 17G1169-04

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.6		% Wt	1		SM 2540G	7/31/17	8/1/17 8:48	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: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12E-SO-6-1B

Sampled: 7/25/2017 15:12

Sample ID: 17G1169-05

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	8/3/17	8/4/17 18:44	BGL
Acenaphthylene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/3/17	8/4/17 18:44	BGL
Anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/3/17	8/4/17 18:44	BGL
Benzo(a)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/3/17	8/4/17 18:44	BGL
Benzo(a)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/3/17	8/4/17 18:44	BGL
Benzo(b)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/3/17	8/4/17 18:44	BGL
Benzo(g,h,i)perylene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/3/17	8/4/17 18:44	BGL
Benzo(k)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/3/17	8/4/17 18:44	BGL
Chrysene	0.31	0.21	mg/Kg dry	1		SW-846 8270D	8/3/17	8/4/17 18:44	BGL
Dibenz(a,h)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/3/17	8/4/17 18:44	BGL
Fluoranthene	0.21	0.21	mg/Kg dry	1		SW-846 8270D	8/3/17	8/4/17 18:44	BGL
Fluorene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/3/17	8/4/17 18:44	BGL
Indeno(1,2,3-cd)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/3/17	8/4/17 18:44	BGL
2-Methylnaphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/3/17	8/4/17 18:44	BGL
Naphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/3/17	8/4/17 18:44	BGL
Phenanthrene	0.28	0.21	mg/Kg dry	1		SW-846 8270D	8/3/17	8/4/17 18:44	BGL
Pyrene	1.2	0.21	mg/Kg dry	1		SW-846 8270D	8/3/17	8/4/17 18:44	BGL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Nitrobenzene-d5		54.0	30-130					8/4/17 18:44	
2-Fluorobiphenyl		62.8	30-130					8/4/17 18:44	
p-Terphenyl-d14		82.1	30-130					8/4/17 18:44	

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: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12E-SO-6-1B

Sampled: 7/25/2017 15:12

Sample ID: 17G1169-05

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	240	62	mg/Kg dry	5		CTDEP ETPH	8/3/17	8/7/17 13:08	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		55.6	50-150					8/7/17 13:08	

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: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12E-SO-6-1B

Sampled: 7/25/2017 15:12

Sample ID: 17G1169-05

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	81.0		% Wt	1		SM 2540G	7/31/17	8/1/17 8:48	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: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12E-SO-6-2

Sampled: 7/25/2017 15:14

Sample ID: 17G1169-06

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	8/3/17	8/4/17 19:15	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 19:15	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 19:15	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 19:15	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 19:15	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 19:15	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 19:15	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 19:15	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 19:15	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		88.6	30-150					8/4/17 19:15	
Decachlorobiphenyl [2]		91.2	30-150					8/4/17 19:15	
Tetrachloro-m-xylene [1]		83.5	30-150					8/4/17 19:15	
Tetrachloro-m-xylene [2]		87.5	30-150					8/4/17 19:15	

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: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12E-SO-6-2

Sampled: 7/25/2017 15:14

Sample ID: 17G1169-06

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.7		% Wt	1		SM 2540G	7/31/17	8/1/17 8:48	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: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12E-SO-6-3

Sampled: 7/25/2017 15:16

Sample ID: 17G1169-07

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	8/3/17	8/4/17 19:27	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 19:27	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 19:27	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 19:27	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 19:27	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 19:27	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 19:27	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 19:27	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 19:27	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		95.2	30-150					8/4/17 19:27	
Decachlorobiphenyl [2]		95.0	30-150					8/4/17 19:27	
Tetrachloro-m-xylene [1]		82.3	30-150					8/4/17 19:27	
Tetrachloro-m-xylene [2]		85.7	30-150					8/4/17 19:27	

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

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

Sample Description:

Work Order: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12E-SO-6-3

Sampled: 7/25/2017 15:16

Sample ID: 17G1169-07

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.8		% Wt	1		SM 2540G	7/31/17	8/1/17 8:48	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: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12E-SO-13-1A

Sampled: 7/25/2017 15:34

Sample ID: 17G1169-08

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	8/3/17	8/4/17 19:39	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 19:39	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 19:39	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 19:39	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 19:39	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 19:39	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 19:39	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 19:39	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 19:39	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		113	30-150					8/4/17 19:39	
Decachlorobiphenyl [2]		109	30-150					8/4/17 19:39	
Tetrachloro-m-xylene [1]		101	30-150					8/4/17 19:39	
Tetrachloro-m-xylene [2]		104	30-150					8/4/17 19:39	

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: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12E-SO-13-1A

Sampled: 7/25/2017 15:34

Sample ID: 17G1169-08

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	94.7		% Wt	1		SM 2540G	7/31/17	8/1/17 8:48	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: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12E-SO-13-1B

Sampled: 7/25/2017 15:35

Sample ID: 17G1169-09

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	67	57	mg/Kg dry	5		CTDEP ETPH	8/3/17	8/4/17 22:32	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		52.0	50-150					8/4/17 22:32	

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

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

Sample Description:

Work Order: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12E-SO-13-1B

Sampled: 7/25/2017 15:35

Sample ID: 17G1169-09

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	88.0		% Wt	1		SM 2540G	7/31/17	8/1/17 8:48	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: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12E-SO-13-2

Sampled: 7/25/2017 15:36

Sample ID: 17G1169-10

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	8/3/17	8/4/17 20:28	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 20:28	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 20:28	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 20:28	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 20:28	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 20:28	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 20:28	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 20:28	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 20:28	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		101	30-150					8/4/17 20:28	
Decachlorobiphenyl [2]		100	30-150					8/4/17 20:28	
Tetrachloro-m-xylene [1]		77.7	30-150					8/4/17 20:28	
Tetrachloro-m-xylene [2]		83.3	30-150					8/4/17 20:28	

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: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12E-SO-13-2

Sampled: 7/25/2017 15:36

Sample ID: 17G1169-10

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.8		% Wt	1		SM 2540G	7/31/17	8/1/17 8:48	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: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12E-SO-13-3

Sampled: 7/25/2017 15:37

Sample ID: 17G1169-11

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	8/3/17	8/4/17 20:40	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 20:40	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 20:40	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 20:40	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 20:40	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 20:40	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 20:40	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 20:40	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 20:40	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		106	30-150					8/4/17 20:40	
Decachlorobiphenyl [2]		99.9	30-150					8/4/17 20:40	
Tetrachloro-m-xylene [1]		73.6	30-150					8/4/17 20:40	
Tetrachloro-m-xylene [2]		78.2	30-150					8/4/17 20:40	

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: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12E-SO-13-3

Sampled: 7/25/2017 15:37

Sample ID: 17G1169-11

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	84.4		% Wt	1		SM 2540G	7/31/17	8/1/17 8:48	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: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12E-SO-9-1

Sampled: 7/25/2017 15:50

Sample ID: 17G1169-12

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	8/3/17	8/4/17 20:53	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 20:53	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 20:53	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 20:53	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 20:53	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 20:53	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 20:53	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 20:53	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 20:53	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		114	30-150					8/4/17 20:53	
Decachlorobiphenyl [2]		113	30-150					8/4/17 20:53	
Tetrachloro-m-xylene [1]		101	30-150					8/4/17 20:53	
Tetrachloro-m-xylene [2]		106	30-150					8/4/17 20:53	

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

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

Sample Description:

Work Order: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12E-SO-9-1

Sampled: 7/25/2017 15:50

Sample ID: 17G1169-12

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	97.6		% Wt	1		SM 2540G	7/31/17	8/1/17 8:48	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: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12E-SO-9-2

Sampled: 7/25/2017 15:52

Sample ID: 17G1169-13

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	8/3/17	8/4/17 21:05	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 21:05	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 21:05	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 21:05	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 21:05	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 21:05	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 21:05	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 21:05	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 21:05	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		107	30-150					8/4/17 21:05	
Decachlorobiphenyl [2]		101	30-150					8/4/17 21:05	
Tetrachloro-m-xylene [1]		107	30-150					8/4/17 21:05	
Tetrachloro-m-xylene [2]		111	30-150					8/4/17 21:05	

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

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

Sample Description:

Work Order: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12E-SO-9-2

Sampled: 7/25/2017 15:52

Sample ID: 17G1169-13

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.0		% Wt	1		SM 2540G	7/31/17	8/1/17 8:48	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: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12E-SO-9-3

Sampled: 7/25/2017 15:54

Sample ID: 17G1169-14

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	8/3/17	8/4/17 21:17	JMB
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 21:17	JMB
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 21:17	JMB
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 21:17	JMB
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 21:17	JMB
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 21:17	JMB
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 21:17	JMB
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 21:17	JMB
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 21:17	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		106	30-150					8/4/17 21:17	
Decachlorobiphenyl [2]		102	30-150					8/4/17 21:17	
Tetrachloro-m-xylene [1]		90.3	30-150					8/4/17 21:17	
Tetrachloro-m-xylene [2]		92.9	30-150					8/4/17 21:17	

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

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

Sample Description:

Work Order: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12E-SO-9-3

Sampled: 7/25/2017 15:54

Sample ID: 17G1169-14

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	76.3		% Wt	1		SM 2540G	7/31/17	8/1/17 8:48	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: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12W-SO-50-1

Sampled: 7/26/2017 09:05

Sample ID: 17G1169-15

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	8/3/17	8/4/17 21:29	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 21:29	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 21:29	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 21:29	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 21:29	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 21:29	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 21:29	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 21:29	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 21:29	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		105	30-150					8/4/17 21:29	
Decachlorobiphenyl [2]		100	30-150					8/4/17 21:29	
Tetrachloro-m-xylene [1]		84.6	30-150					8/4/17 21:29	
Tetrachloro-m-xylene [2]		88.6	30-150					8/4/17 21:29	

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: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12W-SO-50-1

Sampled: 7/26/2017 09:05

Sample ID: 17G1169-15

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.1		% Wt	1		SM 2540G	7/31/17	8/1/17 8:48	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: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12W-SO-50-2A

Sampled: 7/26/2017 09:06

Sample ID: 17G1169-16

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 21:41	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 21:41	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 21:41	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 21:41	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 21:41	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 21:41	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 21:41	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 21:41	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 21:41	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		74.6	30-150					8/4/17 21:41	
Decachlorobiphenyl [2]		69.4	30-150					8/4/17 21:41	
Tetrachloro-m-xylene [1]		71.5	30-150					8/4/17 21:41	
Tetrachloro-m-xylene [2]		75.4	30-150					8/4/17 21:41	

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: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12W-SO-50-2A

Sampled: 7/26/2017 09:06

Sample ID: 17G1169-16

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.8		% Wt	1		SM 2540G	7/31/17	8/1/17 8:48	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: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12W-SO-50-2B

Sampled: 7/26/2017 09:07

Sample ID: 17G1169-17

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	8/3/17	8/5/17 14:46	BGL
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 14:46	BGL
Anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 14:46	BGL
Benzo(a)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 14:46	BGL
Benzo(a)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 14:46	BGL
Benzo(b)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 14:46	BGL
Benzo(g,h,i)perylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 14:46	BGL
Benzo(k)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 14:46	BGL
Chrysene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 14:46	BGL
Dibenz(a,h)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 14:46	BGL
Fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 14:46	BGL
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 14:46	BGL
Indeno(1,2,3-cd)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 14:46	BGL
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 14:46	BGL
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 14:46	BGL
Phenanthrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 14:46	BGL
Pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 14:46	BGL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Nitrobenzene-d5		50.4	30-130					8/5/17 14:46	
2-Fluorobiphenyl		55.6	30-130					8/5/17 14:46	
p-Terphenyl-d14		74.4	30-130					8/5/17 14:46	

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

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

Sample Description:

Work Order: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12W-SO-50-2B

Sampled: 7/26/2017 09:07

Sample ID: 17G1169-17

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	18	10	mg/Kg dry	1		CTDEP ETPH	8/3/17	8/4/17 23:43	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		72.6	50-150					8/4/17 23:43	

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

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

Sample Description:

Work Order: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12W-SO-50-2B

Sampled: 7/26/2017 09:07

Sample ID: 17G1169-17

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	7/27/17	7/31/17 14:55	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: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12W-SO-50-2B

Sampled: 7/26/2017 09:07

Sample ID: 17G1169-17

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	96.4		% Wt	1		SM 2540G	7/31/17	8/1/17 8:48	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: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12W-SO-50-3

Sampled: 7/26/2017 09:08

Sample ID: 17G1169-18

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	8/3/17	8/4/17 21:54	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 21:54	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 21:54	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 21:54	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 21:54	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 21:54	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 21:54	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 21:54	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 21:54	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		121	30-150					8/4/17 21:54	
Decachlorobiphenyl [2]		112	30-150					8/4/17 21:54	
Tetrachloro-m-xylene [1]		96.4	30-150					8/4/17 21:54	
Tetrachloro-m-xylene [2]		98.8	30-150					8/4/17 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: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12W-SO-50-3

Sampled: 7/26/2017 09:08

Sample ID: 17G1169-18

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.8		% Wt	1		SM 2540G	7/31/17	8/1/17 8:48	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: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12W-SO-50-4

Sampled: 7/26/2017 09:09

Sample ID: 17G1169-19

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	8/3/17	8/4/17 22:06	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 22:06	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 22:06	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 22:06	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 22:06	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 22:06	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 22:06	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 22:06	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 22:06	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		111	30-150					8/4/17 22:06	
Decachlorobiphenyl [2]		103	30-150					8/4/17 22:06	
Tetrachloro-m-xylene [1]		85.4	30-150					8/4/17 22:06	
Tetrachloro-m-xylene [2]		87.8	30-150					8/4/17 22:06	

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: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12W-SO-50-4

Sampled: 7/26/2017 09:09

Sample ID: 17G1169-19

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.9		% Wt	1		SM 2540G	7/31/17	8/1/17 8:48	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: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12W-SO-96-4

Sampled: 7/26/2017 09:20

Sample ID: 17G1169-20

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	8/3/17	8/4/17 22:18	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 22:18	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 22:18	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 22:18	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 22:18	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 22:18	JMB
Aroclor-1260 [2]	0.17	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 22:18	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 22:18	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/3/17	8/4/17 22:18	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		97.8	30-150					8/4/17 22:18	
Decachlorobiphenyl [2]		104	30-150					8/4/17 22:18	
Tetrachloro-m-xylene [1]		88.2	30-150					8/4/17 22:18	
Tetrachloro-m-xylene [2]		92.4	30-150					8/4/17 22:18	

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: 17G1169

Date Received: 7/26/2017

Field Sample #: WS-AOC12W-SO-96-4

Sampled: 7/26/2017 09:20

Sample ID: 17G1169-20

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	87.0		% Wt	1		SM 2540G	7/31/17	8/1/17 8:48	MRL

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G1169-05 [WS-AOC12E-SO-6-1B]	B183209	30.0	1.00	08/03/17
17G1169-09 [WS-AOC12E-SO-13-1B]	B183209	30.0	1.00	08/03/17
17G1169-17 [WS-AOC12W-SO-50-2B]	B183209	30.0	1.00	08/03/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17G1169-01 [WS-AOC12E-SO-18-1]	B182889	07/31/17
17G1169-02 [WS-AOC12E-SO-18-2]	B182889	07/31/17
17G1169-03 [WS-AOC12E-SO-18-3]	B182889	07/31/17
17G1169-04 [WS-AOC12E-SO-6-1A]	B182889	07/31/17
17G1169-05 [WS-AOC12E-SO-6-1B]	B182889	07/31/17
17G1169-06 [WS-AOC12E-SO-6-2]	B182889	07/31/17
17G1169-07 [WS-AOC12E-SO-6-3]	B182889	07/31/17
17G1169-08 [WS-AOC12E-SO-13-1A]	B182889	07/31/17
17G1169-09 [WS-AOC12E-SO-13-1B]	B182889	07/31/17
17G1169-10 [WS-AOC12E-SO-13-2]	B182889	07/31/17
17G1169-11 [WS-AOC12E-SO-13-3]	B182889	07/31/17
17G1169-12 [WS-AOC12E-SO-9-1]	B182889	07/31/17
17G1169-13 [WS-AOC12E-SO-9-2]	B182889	07/31/17
17G1169-14 [WS-AOC12E-SO-9-3]	B182889	07/31/17
17G1169-15 [WS-AOC12W-SO-50-1]	B182889	07/31/17
17G1169-16 [WS-AOC12W-SO-50-2A]	B182889	07/31/17
17G1169-17 [WS-AOC12W-SO-50-2B]	B182889	07/31/17
17G1169-18 [WS-AOC12W-SO-50-3]	B182889	07/31/17
17G1169-19 [WS-AOC12W-SO-50-4]	B182889	07/31/17
17G1169-20 [WS-AOC12W-SO-96-4]	B182889	07/31/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G1169-17 [WS-AOC12W-SO-50-2B]	B182729	1.01	50.0	07/27/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G1169-01 [WS-AOC12E-SO-18-1]	B183245	10.0	10.0	08/03/17
17G1169-02 [WS-AOC12E-SO-18-2]	B183245	10.0	10.0	08/03/17
17G1169-03 [WS-AOC12E-SO-18-3]	B183245	10.0	10.0	08/03/17
17G1169-04 [WS-AOC12E-SO-6-1A]	B183245	10.0	10.0	08/03/17
17G1169-06 [WS-AOC12E-SO-6-2]	B183245	10.0	10.0	08/03/17
17G1169-07 [WS-AOC12E-SO-6-3]	B183245	10.0	10.0	08/03/17
17G1169-08 [WS-AOC12E-SO-13-1A]	B183245	10.0	10.0	08/03/17
17G1169-10 [WS-AOC12E-SO-13-2]	B183245	10.0	10.0	08/03/17
17G1169-11 [WS-AOC12E-SO-13-3]	B183245	10.0	10.0	08/03/17
17G1169-12 [WS-AOC12E-SO-9-1]	B183245	10.0	10.0	08/03/17
17G1169-13 [WS-AOC12E-SO-9-2]	B183245	10.0	10.0	08/03/17
17G1169-14 [WS-AOC12E-SO-9-3]	B183245	10.0	10.0	08/03/17
17G1169-15 [WS-AOC12W-SO-50-1]	B183245	10.0	10.0	08/03/17
17G1169-16 [WS-AOC12W-SO-50-2A]	B183245	10.0	10.0	08/03/17
17G1169-18 [WS-AOC12W-SO-50-3]	B183245	10.0	10.0	08/03/17

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

Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G1169-19 [WS-AOC12W-SO-50-4]	B183245	10.0	10.0	08/03/17
17G1169-20 [WS-AOC12W-SO-96-4]	B183245	10.0	10.0	08/03/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G1169-05 [WS-AOC12E-SO-6-1B]	B183204	30.0	1.00	08/03/17
17G1169-17 [WS-AOC12W-SO-50-2B]	B183204	30.0	1.00	08/03/17

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

QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183204 - SW-846 3546										
Blank (B183204-BLK1)										
Prepared: 08/03/17 Analyzed: 08/04/17										
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	2.14		mg/Kg wet	3.33		64.2	30-130			
Surrogate: 2-Fluorobiphenyl	2.15		mg/Kg wet	3.33		64.4	30-130			
Surrogate: p-Terphenyl-d14	2.52		mg/Kg wet	3.33		75.7	30-130			
LCS (B183204-BS1)										
Prepared: 08/03/17 Analyzed: 08/04/17										
Acenaphthene	1.09	0.17	mg/Kg wet	1.67		65.6	40-140			
Acenaphthylene	1.11	0.17	mg/Kg wet	1.67		66.5	40-140			
Anthracene	1.08	0.17	mg/Kg wet	1.67		64.8	40-140			
Benzo(a)anthracene	1.13	0.17	mg/Kg wet	1.67		67.8	40-140			
Benzo(a)pyrene	1.14	0.17	mg/Kg wet	1.67		68.2	40-140			
Benzo(b)fluoranthene	1.10	0.17	mg/Kg wet	1.67		66.2	40-140			
Benzo(g,h,i)perylene	0.934	0.17	mg/Kg wet	1.67		56.0	40-140			
Benzo(k)fluoranthene	1.09	0.17	mg/Kg wet	1.67		65.5	40-140			
Chrysene	1.08	0.17	mg/Kg wet	1.67		65.0	40-140			
Dibenz(a,h)anthracene	0.917	0.17	mg/Kg wet	1.67		55.0	40-140			
Fluoranthene	1.03	0.17	mg/Kg wet	1.67		62.0	40-140			
Fluorene	1.13	0.17	mg/Kg wet	1.67		67.9	40-140			
Indeno(1,2,3-cd)pyrene	0.941	0.17	mg/Kg wet	1.67		56.5	40-140			
2-Methylnaphthalene	1.19	0.17	mg/Kg wet	1.67		71.6	40-140			
Naphthalene	1.11	0.17	mg/Kg wet	1.67		66.6	40-140			
Phenanthrene	1.09	0.17	mg/Kg wet	1.67		65.4	40-140			
Pyrene	1.14	0.17	mg/Kg wet	1.67		68.2	40-140			
Surrogate: Nitrobenzene-d5	2.64		mg/Kg wet	3.33		79.3	30-130			
Surrogate: 2-Fluorobiphenyl	2.63		mg/Kg wet	3.33		78.9	30-130			
Surrogate: p-Terphenyl-d14	2.55		mg/Kg wet	3.33		76.5	30-130			

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

QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183204 - SW-846 3546										
LCS Dup (B183204-BSD1)										
					Prepared: 08/03/17 Analyzed: 08/04/17					
Acenaphthene	1.00	0.17	mg/Kg wet	1.67		60.3	40-140	8.39	30	
Acenaphthylene	1.00	0.17	mg/Kg wet	1.67		60.1	40-140	10.1	30	
Anthracene	1.01	0.17	mg/Kg wet	1.67		60.9	40-140	6.27	30	
Benzo(a)anthracene	1.06	0.17	mg/Kg wet	1.67		63.5	40-140	6.55	30	
Benzo(a)pyrene	1.09	0.17	mg/Kg wet	1.67		65.5	40-140	4.07	30	
Benzo(b)fluoranthene	1.04	0.17	mg/Kg wet	1.67		62.6	40-140	5.53	30	
Benzo(g,h,i)perylene	0.891	0.17	mg/Kg wet	1.67		53.5	40-140	4.68	30	
Benzo(k)fluoranthene	1.06	0.17	mg/Kg wet	1.67		63.8	40-140	2.69	30	
Chrysene	1.02	0.17	mg/Kg wet	1.67		61.5	40-140	5.47	30	
Dibenz(a,h)anthracene	0.882	0.17	mg/Kg wet	1.67		52.9	40-140	3.89	30	
Fluoranthene	0.965	0.17	mg/Kg wet	1.67		57.9	40-140	6.90	30	
Fluorene	1.01	0.17	mg/Kg wet	1.67		60.8	40-140	11.1	30	
Indeno(1,2,3-cd)pyrene	0.869	0.17	mg/Kg wet	1.67		52.1	40-140	7.96	30	
2-Methylnaphthalene	1.04	0.17	mg/Kg wet	1.67		62.7	40-140	13.3	30	
Naphthalene	0.964	0.17	mg/Kg wet	1.67		57.8	40-140	14.1	30	
Phenanthrene	1.01	0.17	mg/Kg wet	1.67		60.7	40-140	7.46	30	
Pyrene	1.07	0.17	mg/Kg wet	1.67		64.0	40-140	6.35	30	
Surrogate: Nitrobenzene-d5	2.27		mg/Kg wet	3.33		68.2	30-130			
Surrogate: 2-Fluorobiphenyl	2.38		mg/Kg wet	3.33		71.4	30-130			
Surrogate: p-Terphenyl-d14	2.40		mg/Kg wet	3.33		72.1	30-130			

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

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183245 - SW-846 3540C										
Blank (B183245-BLK1)										
Prepared: 08/03/17 Analyzed: 08/04/17										
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	0.238		mg/Kg wet	0.200		119	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.215		mg/Kg wet	0.200		108	30-150			
Surrogate: Tetrachloro-m-xylene	0.184		mg/Kg wet	0.200		92.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.184		mg/Kg wet	0.200		92.0	30-150			
LCS (B183245-BS1)										
Prepared: 08/03/17 Analyzed: 08/04/17										
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		92.5	40-140			
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		83.8	40-140			
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		85.4	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		82.3	40-140			
Surrogate: Decachlorobiphenyl	0.221		mg/Kg wet	0.200		110	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.199		mg/Kg wet	0.200		99.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.163		mg/Kg wet	0.200		81.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.162		mg/Kg wet	0.200		81.2	30-150			
LCS Dup (B183245-BSD1)										
Prepared: 08/03/17 Analyzed: 08/04/17										
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		97.1	40-140	4.84	30	
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		98.2	40-140	15.8	30	
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		95.5	40-140	11.2	30	
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		92.5	40-140	11.7	30	
Surrogate: Decachlorobiphenyl	0.248		mg/Kg wet	0.200		124	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.224		mg/Kg wet	0.200		112	30-150			
Surrogate: Tetrachloro-m-xylene	0.190		mg/Kg wet	0.200		94.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.187		mg/Kg wet	0.200		93.4	30-150			

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

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B183245 - SW-846 3540C

Matrix Spike (B183245-MS1)

Source: 17G1169-20

Prepared: 08/03/17 Analyzed: 08/04/17

Aroclor-1016	0.21	0.11	mg/Kg dry	0.230	ND	91.7	40-140			
Aroclor-1016 [2C]	0.22	0.11	mg/Kg dry	0.230	ND	96.9	40-140			
Aroclor-1260	0.35	0.11	mg/Kg dry	0.230	0.16	82.4	40-140			
Aroclor-1260 [2C]	0.37	0.11	mg/Kg dry	0.230	0.17	83.8	40-140			
Surrogate: Decachlorobiphenyl	0.226		mg/Kg dry	0.230		98.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.236		mg/Kg dry	0.230		102	30-150			
Surrogate: Tetrachloro-m-xylene	0.209		mg/Kg dry	0.230		91.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.219		mg/Kg dry	0.230		95.3	30-150			

Matrix Spike Dup (B183245-MSD1)

Source: 17G1169-20

Prepared: 08/03/17 Analyzed: 08/04/17

Aroclor-1016	0.26	0.11	mg/Kg dry	0.230	ND	111	40-140	19.1	50	
Aroclor-1016 [2C]	0.24	0.11	mg/Kg dry	0.230	ND	103	40-140	6.23	50	
Aroclor-1260	0.36	0.11	mg/Kg dry	0.230	0.16	87.5	40-140	3.23	50	
Aroclor-1260 [2C]	0.37	0.11	mg/Kg dry	0.230	0.17	85.3	40-140	0.945	50	
Surrogate: Decachlorobiphenyl	0.221		mg/Kg dry	0.230		96.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.240		mg/Kg dry	0.230		104	30-150			
Surrogate: Tetrachloro-m-xylene	0.204		mg/Kg dry	0.230		88.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.212		mg/Kg dry	0.230		92.2	30-150			

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

QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183209 - SW-846 3546										
Blank (B183209-BLK1)										
Prepared & Analyzed: 08/03/17										
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	2.17		mg/Kg wet	3.33		65.2	50-150			
LCS (B183209-BS1)										
Prepared & Analyzed: 08/03/17										
CT ETPH	21.7	10	mg/Kg wet	33.3		65.2	60-120			
Surrogate: o-Terphenyl	2.25		mg/Kg wet	3.33		67.5	50-150			
LCS Dup (B183209-BSD1)										
Prepared & Analyzed: 08/03/17										
CT ETPH	22.9	10	mg/Kg wet	33.3		68.8	60-120	5.37	30	
Surrogate: o-Terphenyl	2.32		mg/Kg wet	3.33		69.5	50-150			

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

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B182729 - SW-846 3050B										
Blank (B182729-BLK1)										
					Prepared: 07/27/17 Analyzed: 07/31/17					
Arsenic	ND	2.5	mg/Kg wet							
LCS (B182729-BS1)										
					Prepared: 07/27/17 Analyzed: 07/31/17					
Arsenic	57.7	5.0	mg/Kg wet	57.0		101	77.8-122.1			
LCS Dup (B182729-BSD1)										
					Prepared: 07/27/17 Analyzed: 07/31/17					
Arsenic	55.6	5.0	mg/Kg wet	57.0		97.5	77.8-122.1	3.70	30	
Duplicate (B182729-DUP1)										
					Source: 17G1169-17 Prepared: 07/27/17 Analyzed: 07/31/17					
Arsenic	ND	2.6	mg/Kg dry		ND			NC	35	
Matrix Spike (B182729-MS1)										
					Source: 17G1169-17 Prepared: 07/27/17 Analyzed: 07/31/17					
Arsenic	24.0	2.5	mg/Kg dry	25.4	ND	94.4	75-125			

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

QUALITY CONTROL

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B182889 - % Solids

Duplicate (B182889-DUP5)

Source: 17G1169-20

Prepared: 07/31/17 Analyzed: 08/01/17

% Solids	88.2		% Wt		87.0			1.37	20	
----------	------	--	------	--	------	--	--	------	----	--

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

WS-AOC12W-SO-96-4

SW-846 8082A

Lab Sample ID: 17G1169-20 Date(s) Analyzed 08/04/2017 08/04/2017

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

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

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

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

SW-846 8082A

Lab Sample ID: B183245-BS1 Date(s) Analyzed 08/04/2017 08/04/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.17	11.1
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.16	6.1

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

SW-846 8082A

Lab Sample ID: B183245-BSD1 Date(s) Analyzed 08/04/2017 08/04/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.20	5.1
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.19	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

Matrix Spike

SW-846 8082A

Lab Sample ID: B183245-MS1 Date(s) Analyzed 08/04/2017 08/04/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.22	4.7
Aroclor-1260	1	0.000	-0.030	0.030	0.35	
	2	0.000	-0.030	0.030	0.37	5.6

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

Matrix Spike Dup

SW-846 8082A

Lab Sample ID: B183245-MSD1 Date(s) Analyzed 08/04/2017 08/04/2017
 Instrument ID (1): ECD10 Instrument ID (2): ECD10
 GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.26	
	2	0.000	-0.030	0.030	0.24	8.0
Aroclor-1260	1	0.000	-0.030	0.030	0.36	
	2	0.000	-0.030	0.030	0.37	2.7

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

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
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
SW-846 8270D in Water	
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8270D in Water</i>	
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Fluoranthene	CT,NY,NH,ME,NC,VA
Fluorene	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA
Naphthalene	CT,NY,NH,ME,NC,VA
Phenanthrene	CT,NY,NH,ME,NC,VA
Pyrene	CT,NY,NH,ME,NC,VA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

17C-1169
 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

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
01	WS-ACCIZE-SO-1B-1	7/25/17	15:16	X	S	S	U
02	WS-ACCIZE-SO-1B-2		15:17				
03	WS-ACCIZE-SO-1B-3		15:18				
04	WS-ACCIZE-SO-6-1A		15:10				
05	WS-ACCIZE-SO-6-1B		15:12				
06	WS-ACCIZE-SO-6-2		15:14				
07	WS-ACCIZE-SO-6-3		15:14				
08	WS-ACCIZE-SO-1B-1A		15:34				
09	WS-ACCIZE-SO-1B-1B		15:35				
10	WS-ACCIZE-SO-1B-2		15:36				

ANALYSIS REQUESTED
 (Soxhlet) PCBs
 PAHs
 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 Analytical Certification Form Required
 MA State DW Form Required
 PWSID # _____
 NELAC and AIHA-LAP, LLC Accredited

Relinquished by: (signature)	Date/Time:
<i>[Signature]</i>	7/26/17 15:30
<i>[Signature]</i>	7/26/17 15:30
<i>[Signature]</i>	7/26/17 17:03
<i>[Signature]</i>	7/26/17 17:03
<i>[Signature]</i>	7/26/17 17:03
<i>[Signature]</i>	7/26/17 17:03
<i>[Signature]</i>	7/26/17 17:03
<i>[Signature]</i>	7/26/17 17:03

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

Requested Turnaround Time

Requested Turnaround Time

7-Day 10-Day
Other: 5-day

Rush Approval Required
Data Delivery

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

Format: PDF EXCEL

Enhanced Data Package Required:

Email To: beelerm@wseinc.com

Fax To #:

Company Name: **con-test**
ANALYTICAL LABORATORY

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: Malcol Beeler (Weston & Sampson)

Invoice Recipient: Chris Berthiaume/Will Sirotnak

Sampled By:

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
11	WS-ACC12E-SO-13-3	7/25/12	15:37		X	S	U
12	WS-ACC12E-SO-9-1		15:50				
13	WS-ACC12E-SO-9-2		15:52				
14	WS-ACC12E-SO-9-3		15:54				
15	WS-ACC12W-SO-50-1	7/26/17	9:05				
16	WS-ACC12W-SO-50-2A	7/26/17	9:06				
17	WS-ACC12W-SO-50-2B		9:07				
18	WS-ACC12W-SO-50-3		9:08				
19	WS-ACC12W-SO-50-4		9:09				
20	WS-ACC12W-SO-98-4		9:20				

ANALYSIS REQUESTED
 WOOD
 Arsenic
 ETPH
 PAH
 (Sox/hk) PCB

- 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 # _____

NETAC and AIHA-LAP, LLC Accredited

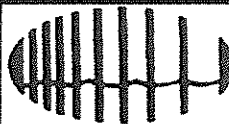
Comments:
 WS-ACC12W-SO-97-4 (MS-MSD)
 Please hold excess volumes for possible SPLP analyses.

Relinquished by: (signature)	Date/Time:
<i>[Signature]</i>	7/26/17 15:30
<i>[Signature]</i>	7/26/17 15:37
<i>[Signature]</i>	7/26/17 17:03
<i>[Signature]</i>	7/26/17 17:03
<i>[Signature]</i>	7/26/17 17:03
<i>[Signature]</i>	7/26/17 17:03
<i>[Signature]</i>	7/26/17 17:03

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 PLF Date 7/26/17 Time 1703

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 # 7 Actual Temp - 5.7°C
 By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA 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 Client T Analysis T Sampler Name T
 pertinent Information? Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T
 Are there Lab to Filters? F Who was notified? _____
 Are there Rushes? F Who was notified? _____
 Are there Short Holds? F Who was notified? _____

Is there enough Volume? T
 Is there Headspace where applicable? NA MS/MSD? T
 Proper Media/Containers Used? T Is splitting samples required? F
 Were trip blanks received? F On COC? NA
 Do all samples have the proper pH? _____ Acid NA Base NA

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		3oz 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\A080417\A0804042.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/4/17
 Data File Name A0804042.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.07	496930	540759	-8
c - 10	1.43	504684	540759	-7
c - 12	2.16	531774	540759	-2
c - 14	2.84	548652	540759	1
c - 16	3.44	561658	540759	4
c - 18	4.02	556185	540759	3
o-Terphenyl	4.30	591043	540759	
c - 20	4.63	564764	540759	4
c - 22	5.15	571232	540759	6
c - 24	5.60	531546	540759	-2
c - 26	6.00	557639	540759	3
c - 28	6.36	545631	540759	1
c - 30	6.69	541457	540759	0
c - 32	7.00	529841	540759	-2
c - 34	7.30	534051	540759	-1
c - 36	7.58	535342	540759	-1

* One compound allowed %D <= 50%

Samples

17G1258-10
 17G1258-11
 17G1188-01
 17G1188-02
 17G1188-03

D:\HPCHEM\1\DATA\A080417\A0804078.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/4/17
 Data File Name A0804078.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	">%D +/- 20
c - 9	1.07	451447	495950	-9
c - 10	1.43	453087	495950	-9
c - 12	2.16	479235	495950	-3
c - 14	2.84	491947	495950	-1
c - 16	3.44	506893	495950	2
c - 18	4.02	504487	495950	2
o-Terphenyl	4.31	554881	495950	
c - 20	4.63	517031	495950	4
c - 22	5.15	526767	495950	6
c - 24	5.60	494638	495950	0
c - 26	5.99	520797	495950	5
c - 28	6.35	509017	495950	3
c - 30	6.69	504152	495950	2
c - 32	7.00	490587	495950	-1
c - 34	7.29	493940	495950	0
c - 36	7.58	495218	495950	0

* One compound allowed %D <= 50%

Samples

17G1257-13
 17G1257-18
 17G1254-18
 17G1169-17
 17G1075-10@5X
 17G1075-13@5X
 17G1172-11
 17G1074-19
 17G1074-06@10X
 17G1074-09@10X
 17G1077-17RE1@20X

D:\HPCHEM\1\DATA\A080417.SEC\A0804079.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/4/17
 Data File Name A0804079.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.14	412622	444472	-7
c - 10	1.50	420598	444472	-5
c - 12	2.22	438402	444472	-1
c - 14	2.88	451044	444472	1
c - 16	3.48	459256	444472	3
c - 18	4.05	452050	444472	2
o-Terphenyl	4.35	491812	444472	
c - 20	4.66	458504	444472	3
c - 22	5.17	461579	444472	4
c - 24	5.61	429319	444472	-3
c - 26	6.01	451685	444472	2
c - 28	6.36	450715	444472	1
c - 30	6.70	447938	444472	1
c - 32	7.00	440516	444472	-1
c - 34	7.29	445571	444472	0
c - 36	7.57	447287	444472	1

* One compound allowed %D <= 50%

Samples

17G1254-08@20X
 17G1254-13@10X
 17G1169-09@5X
 17G1172-03@20X
 17G1172-07@10X
 17G1257-01@5X
 17G1257-09@10X
 17G1257-11@10X
 17G1257-14@5X
 17G1257-17@10X
 17G1255-03@20X

D:\HPCHEM\1\DATA\A080717.SEC\A0807007.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/7/17
 Data File Name A0807007.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	%D +/- 20
c - 9	1.28	567269	616507	-8
c - 10	1.63	582026	616507	-6
c - 12	2.35	602280	616507	-2
c - 14	3.01	616087	616507	0
c - 16	3.62	632696	616507	3
c - 18	4.23	627640	616507	2
o-Terphenyl	4.52	702616	616507	
c - 20	4.84	638720	616507	4
c - 22	5.34	651603	616507	6
c - 24	5.78	609664	616507	-1
c - 26	6.17	643711	616507	4
c - 28	6.53	633637	616507	3
c - 30	6.86	630017	616507	2
c - 32	7.17	609518	616507	-1
c - 34	7.46	605031	616507	-2
c - 36	7.78	597714	616507	-3

* One compound allowed %D <= 50%

Samples

17G1300-01
 17G1169-05@5X
 17G1073-02@5X
 17G1253-09@20X
 17G1255-15@20X
 17G1255-19@5X



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: 17G1169

Laboratory Sample ID(s):

17G1169-01 thru 17G1169-20

Sample Date(s):

07/25/2017,

07/26/2017

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: 08/07/17

Name of Laboratory: Con-Test Analytical Laboratory

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

July 20, 2017

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

Project Location: English Station
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 17G0507

Enclosed are results of analyses for samples received by the laboratory on July 13, 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

Table of Contents

Sample Summary	3
Case Narrative	4
Sample Results	5
17G0507-01	5
Sample Preparation Information	9
QC Data	10
Semivolatile Organic Compounds by GC/MS	10
B181790	10
Polychlorinated Biphenyls with 3540 Soxhlet Extraction	12
B181808	12
Petroleum Hydrocarbons Analyses	13
B181937	13
Dual Column RPD Report	14
Flag/Qualifier Summary	15
Certifications	16
Chain of Custody/Sample Receipt	18

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: 7/20/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G0507

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

PROJECT LOCATION: English Station

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC-14-SED-1	17G0507-01	Soil		CTDEP ETPH SM 2540G SW-846 8082A SW-846 8270D	

CASE NARRATIVE SUMMARY

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

For method 8270, only PAHs were requested and reported.

CTDEP ETPH

Qualifications:

S-01

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

Analyte & Sample(s) Qualified:

o-Terphenyl

17G0507-01[WS-AOC-14-SED-1]

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

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



Lisa A. Worthington
Project Manager

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

Project Location: English Station

Sample Description:

Work Order: 17G0507

Date Received: 7/13/2017

Field Sample #: WS-AOC-14-SED-1

Sampled: 7/13/2017 00:00

Sample ID: 17G0507-01

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	0.43	mg/Kg dry	1		SW-846 8270D	7/17/17	7/18/17 13:30	BGL
Acenaphthylene	ND	0.43	mg/Kg dry	1		SW-846 8270D	7/17/17	7/18/17 13:30	BGL
Anthracene	0.63	0.43	mg/Kg dry	1		SW-846 8270D	7/17/17	7/18/17 13:30	BGL
Benzo(a)anthracene	2.4	0.43	mg/Kg dry	1		SW-846 8270D	7/17/17	7/18/17 13:30	BGL
Benzo(a)pyrene	2.0	0.43	mg/Kg dry	1		SW-846 8270D	7/17/17	7/18/17 13:30	BGL
Benzo(b)fluoranthene	2.9	0.43	mg/Kg dry	1		SW-846 8270D	7/17/17	7/18/17 13:30	BGL
Benzo(g,h,i)perylene	1.5	0.43	mg/Kg dry	1		SW-846 8270D	7/17/17	7/18/17 13:30	BGL
Benzo(k)fluoranthene	1.2	0.43	mg/Kg dry	1		SW-846 8270D	7/17/17	7/18/17 13:30	BGL
Chrysene	2.9	0.43	mg/Kg dry	1		SW-846 8270D	7/17/17	7/18/17 13:30	BGL
Dibenz(a,h)anthracene	ND	0.43	mg/Kg dry	1		SW-846 8270D	7/17/17	7/18/17 13:30	BGL
Fluoranthene	5.2	0.43	mg/Kg dry	1		SW-846 8270D	7/17/17	7/18/17 13:30	BGL
Fluorene	ND	0.43	mg/Kg dry	1		SW-846 8270D	7/17/17	7/18/17 13:30	BGL
Indeno(1,2,3-cd)pyrene	1.4	0.43	mg/Kg dry	1		SW-846 8270D	7/17/17	7/18/17 13:30	BGL
2-Methylnaphthalene	0.77	0.43	mg/Kg dry	1		SW-846 8270D	7/17/17	7/18/17 13:30	BGL
Naphthalene	0.82	0.43	mg/Kg dry	1		SW-846 8270D	7/17/17	7/18/17 13:30	BGL
Phenanthrene	3.5	0.43	mg/Kg dry	1		SW-846 8270D	7/17/17	7/18/17 13:30	BGL
Pyrene	5.0	0.43	mg/Kg dry	1		SW-846 8270D	7/17/17	7/18/17 13:30	BGL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Nitrobenzene-d5		63.9	30-130					7/18/17 13:30	
2-Fluorobiphenyl		67.9	30-130					7/18/17 13:30	
p-Terphenyl-d14		71.0	30-130					7/18/17 13:30	

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

Project Location: English Station

Sample Description:

Work Order: 17G0507

Date Received: 7/13/2017

Field Sample #: WS-AOC-14-SED-1

Sampled: 7/13/2017 00:00

Sample ID: 17G0507-01

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	0.26	mg/Kg dry	5		SW-846 8082A	7/17/17	7/18/17 22:38	KAL
Aroclor-1221 [1]	ND	0.26	mg/Kg dry	5		SW-846 8082A	7/17/17	7/18/17 22:38	KAL
Aroclor-1232 [1]	ND	0.26	mg/Kg dry	5		SW-846 8082A	7/17/17	7/18/17 22:38	KAL
Aroclor-1242 [1]	ND	0.26	mg/Kg dry	5		SW-846 8082A	7/17/17	7/18/17 22:38	KAL
Aroclor-1248 [2]	0.60	0.26	mg/Kg dry	5		SW-846 8082A	7/17/17	7/18/17 22:38	KAL
Aroclor-1254 [2]	0.74	0.26	mg/Kg dry	5		SW-846 8082A	7/17/17	7/18/17 22:38	KAL
Aroclor-1260 [2]	0.39	0.26	mg/Kg dry	5		SW-846 8082A	7/17/17	7/18/17 22:38	KAL
Aroclor-1262 [1]	ND	0.26	mg/Kg dry	5		SW-846 8082A	7/17/17	7/18/17 22:38	KAL
Aroclor-1268 [1]	ND	0.26	mg/Kg dry	5		SW-846 8082A	7/17/17	7/18/17 22:38	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		76.2	30-150					7/18/17 22:38	
Decachlorobiphenyl [2]		79.5	30-150					7/18/17 22:38	
Tetrachloro-m-xylene [1]		83.0	30-150					7/18/17 22:38	
Tetrachloro-m-xylene [2]		78.1	30-150					7/18/17 22:38	

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

Project Location: English Station

Sample Description:

Work Order: 17G0507

Date Received: 7/13/2017

Field Sample #: WS-AOC-14-SED-1

Sampled: 7/13/2017 00:00

Sample ID: 17G0507-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	5700	1300	mg/Kg dry	50		CTDEP ETPH	7/18/17	7/20/17 14:48	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		*	50-150		S-01			7/20/17 14:48	

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

Project Location: English Station

Sample Description:

Work Order: 17G0507

Date Received: 7/13/2017

Field Sample #: WS-AOC-14-SED-1

Sampled: 7/13/2017 00:00

Sample ID: 17G0507-01

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	39.1		% Wt	1		SM 2540G	7/17/17	7/18/17 8:14	MRL

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

Sample Extraction Data**Prep Method: SW-846 3546-CTDEP ETPH**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0507-01 [WS-AOC-14-SED-1]	B181937	30.0	1.00	07/18/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17G0507-01 [WS-AOC-14-SED-1]	B181768	07/17/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0507-01 [WS-AOC-14-SED-1]	B181808	10.0	10.0	07/17/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0507-01 [WS-AOC-14-SED-1]	B181790	30.0	1.00	07/17/17

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

QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B181790 - SW-846 3546										
Blank (B181790-BLK1)										
Prepared: 07/17/17 Analyzed: 07/18/17										
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
Surrogate: Nitrobenzene-d5	2.38		mg/Kg wet	3.33		71.5	30-130			
Surrogate: 2-Fluorobiphenyl	2.38		mg/Kg wet	3.33		71.5	30-130			
Surrogate: p-Terphenyl-d14	3.00		mg/Kg wet	3.33		89.9	30-130			
LCS (B181790-BS1)										
Prepared: 07/17/17 Analyzed: 07/18/17										
Acenaphthene	1.15	0.17	mg/Kg wet	1.67		69.1	40-140			
Acenaphthylene	1.10	0.17	mg/Kg wet	1.67		65.9	40-140			
Anthracene	1.22	0.17	mg/Kg wet	1.67		73.3	40-140			
Benzo(a)anthracene	1.23	0.17	mg/Kg wet	1.67		74.0	40-140			
Benzo(a)pyrene	1.21	0.17	mg/Kg wet	1.67		72.9	40-140			
Benzo(b)fluoranthene	1.12	0.17	mg/Kg wet	1.67		67.3	40-140			
Benzo(g,h,i)perylene	1.44	0.17	mg/Kg wet	1.67		86.3	40-140			
Benzo(k)fluoranthene	1.14	0.17	mg/Kg wet	1.67		68.6	40-140			
Chrysene	1.20	0.17	mg/Kg wet	1.67		72.2	40-140			
Dibenz(a,h)anthracene	1.31	0.17	mg/Kg wet	1.67		78.8	40-140			
Fluoranthene	1.20	0.17	mg/Kg wet	1.67		72.0	40-140			
Fluorene	1.15	0.17	mg/Kg wet	1.67		69.1	40-140			
Indeno(1,2,3-cd)pyrene	1.36	0.17	mg/Kg wet	1.67		81.8	40-140			
2-Methylnaphthalene	1.12	0.17	mg/Kg wet	1.67		67.1	40-140			
Naphthalene	1.08	0.17	mg/Kg wet	1.67		64.6	40-140			
Phenanthrene	1.23	0.17	mg/Kg wet	1.67		73.5	40-140			
Pyrene	1.25	0.17	mg/Kg wet	1.67		75.1	40-140			
Surrogate: Nitrobenzene-d5	2.53		mg/Kg wet	3.33		75.8	30-130			
Surrogate: 2-Fluorobiphenyl	2.57		mg/Kg wet	3.33		77.2	30-130			
Surrogate: p-Terphenyl-d14	2.82		mg/Kg wet	3.33		84.5	30-130			

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

QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B181790 - SW-846 3546										
LCS Dup (B181790-BSD1)										
					Prepared: 07/17/17 Analyzed: 07/18/17					
Acenaphthene	1.23	0.17	mg/Kg wet	1.67		74.0	40-140	6.85	30	
Acenaphthylene	1.18	0.17	mg/Kg wet	1.67		70.9	40-140	7.31	30	
Anthracene	1.32	0.17	mg/Kg wet	1.67		79.1	40-140	7.64	30	
Benzo(a)anthracene	1.32	0.17	mg/Kg wet	1.67		79.5	40-140	7.09	30	
Benzo(a)pyrene	1.35	0.17	mg/Kg wet	1.67		80.8	40-140	10.3	30	
Benzo(b)fluoranthene	1.23	0.17	mg/Kg wet	1.67		74.0	40-140	9.54	30	
Benzo(g,h,i)perylene	1.57	0.17	mg/Kg wet	1.67		94.0	40-140	8.54	30	
Benzo(k)fluoranthene	1.25	0.17	mg/Kg wet	1.67		75.2	40-140	9.21	30	
Chrysene	1.31	0.17	mg/Kg wet	1.67		78.8	40-140	8.71	30	
Dibenz(a,h)anthracene	1.42	0.17	mg/Kg wet	1.67		85.4	40-140	8.04	30	
Fluoranthene	1.27	0.17	mg/Kg wet	1.67		76.0	40-140	5.35	30	
Fluorene	1.21	0.17	mg/Kg wet	1.67		72.5	40-140	4.77	30	
Indeno(1,2,3-cd)pyrene	1.45	0.17	mg/Kg wet	1.67		87.3	40-140	6.53	30	
2-Methylnaphthalene	1.23	0.17	mg/Kg wet	1.67		73.5	40-140	9.16	30	
Naphthalene	1.21	0.17	mg/Kg wet	1.67		72.3	40-140	11.3	30	
Phenanthrene	1.33	0.17	mg/Kg wet	1.67		79.7	40-140	8.01	30	
Pyrene	1.36	0.17	mg/Kg wet	1.67		81.8	40-140	8.47	30	
Surrogate: Nitrobenzene-d5	2.77		mg/Kg wet	3.33		83.1	30-130			
Surrogate: 2-Fluorobiphenyl	2.70		mg/Kg wet	3.33		80.9	30-130			
Surrogate: p-Terphenyl-d14	2.95		mg/Kg wet	3.33		88.4	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 B181808 - SW-846 3540C										
Blank (B181808-BLK1)										
Prepared: 07/17/17 Analyzed: 07/18/17										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.153		mg/Kg wet	0.200		76.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.144		mg/Kg wet	0.200		72.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.164		mg/Kg wet	0.200		81.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.160		mg/Kg wet	0.200		80.2	30-150			
LCS (B181808-BS1)										
Prepared: 07/17/17 Analyzed: 07/18/17										
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		87.9	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		92.7	40-140			
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		74.2	40-140			
Aroclor-1260 [2C]	0.14	0.020	mg/Kg wet	0.200		70.8	40-140			
Surrogate: Decachlorobiphenyl	0.163		mg/Kg wet	0.200		81.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.154		mg/Kg wet	0.200		77.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.169		mg/Kg wet	0.200		84.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.163		mg/Kg wet	0.200		81.6	30-150			
LCS Dup (B181808-BSD1)										
Prepared: 07/17/17 Analyzed: 07/18/17										
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		83.1	40-140	5.59	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		89.7	40-140	3.22	30	
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		72.9	40-140	1.72	30	
Aroclor-1260 [2C]	0.14	0.020	mg/Kg wet	0.200		69.5	40-140	1.89	30	
Surrogate: Decachlorobiphenyl	0.158		mg/Kg wet	0.200		79.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.161		mg/Kg wet	0.200		80.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.162		mg/Kg wet	0.200		81.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.157		mg/Kg wet	0.200		78.6	30-150			

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

QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B181937 - SW-846 3546										
Blank (B181937-BLK1)										
					Prepared: 07/18/17 Analyzed: 07/19/17					
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	2.10		mg/Kg wet	3.33		63.0	50-150			
LCS (B181937-BS1)										
					Prepared: 07/18/17 Analyzed: 07/19/17					
CT ETPH	23.2	10	mg/Kg wet	33.3		69.6	60-120			
Surrogate: o-Terphenyl	2.28		mg/Kg wet	3.33		68.5	50-150			
LCS Dup (B181937-BSD1)										
					Prepared: 07/18/17 Analyzed: 07/19/17					
CT ETPH	22.0	10	mg/Kg wet	33.3		66.0	60-120	5.21	30	
Surrogate: o-Terphenyl	2.20		mg/Kg wet	3.33		66.1	50-150			

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

AOC-14 SED-1

SW-846 8082A

Lab Sample ID: 17G0507-01 Date(s) Analyzed: 07/18/2017 07/18/2017

Instrument ID (1): _____ Instrument ID (2): _____

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	-0.030	0.030	0.54	
	2	0.000	-0.030	0.030	0.60	10.5
Aroclor-1254	1	0.000	-0.030	0.030	0.63	
	2	0.000	-0.030	0.030	0.74	16.1
Aroclor-1260	1	0.000	-0.030	0.030	0.35	
	2	0.000	-0.030	0.030	0.39	10.8

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.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
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



CHAIN OF CUSTODY RECORD

39 Spruce Street
 East Longmeadow, MA 01028

Page 1 of 1

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

Company Name: Weston & Sampson
 Address: 273 Dividend Rd
Rocky Hill, CT
 Attention: Malcolm Beeler
 Project Location: English Station
 Sampled By:

Telephone: 800-SAMPSON
 Project #: 2170495
 Client PO#

DATA DELIVERY (check all that apply)
 FAX EMAIL WEBSITE
 Fax #
 Email: BeelerM@wscinc.com
 Format: EXCEL OGIS OTHER

Project Proposal Provided? (for billing purposes)
 yes proposal date

Con-Test Lab ID <small>(Laboratory use only)</small>	Client Sample ID / Description	Collection	
		Beginning Date/Time	Ending Date/Time
	<u>WS-AOC-14-SED-1</u>	<u>7/13/17</u>	<u>1015</u>

Conc Data	Matrix	Grab	Composite	
			Matrix	Conc Data
X	S	X	S	U

# of Containers	3
** Preservation	3
*** Container Code	I

Comments:
 Please hold extra volume for potential SPB samples.
 Wait until you hear from WSE or TRC.

Relinquished by: (signature)	Date/Time	Turnaround #
<u>[Signature]</u>	<u>7/13/17</u>	<u>1935</u>
Received by: (signature)	Date/Time	Turnaround #
<u>[Signature]</u>	<u>7-13-17</u>	<u>1435</u>
Relinquished by: (signature)	Date/Time	Turnaround #
<u>[Signature]</u>	<u>7-13-17</u>	<u>7:35</u>
Received by: (signature)	Date/Time	Turnaround #
<u>[Signature]</u>	<u>7/13/17</u>	<u>9.7</u>

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Is your project MCP or RCP?

MCP Form Required
 RCP Form Required
 MA State DW Form Required PWSID #

NECAC & AIHA-LAP, LLC
 Accredited
 WBE/DBE Certified

TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.
 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 E Sampson
 Received By AF Date 7/13/17 Time 1925
 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 - 2.4
 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? N/A
 Are there Rushes? N/A Who was notified? N/A
 Are there Short Holds? N/A Who was notified? N/A
 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\A072017\A0720006.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 7/20/17
 Data File Name A0720006.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	%D +/- 20
c - 9	1.08	474876	527912	-10
c - 10	1.43	480762	527912	-9
c - 12	2.16	504292	527912	-4
c - 14	2.84	522097	527912	-1
c - 16	3.44	541219	527912	3
c - 18	4.02	539836	527912	2
o-Terphenyl	4.30	625240	527912	
c - 20	4.64	551613	527912	4
c - 22	5.16	561048	527912	6
c - 24	5.60	526083	527912	0
c - 26	6.00	555923	527912	5
c - 28	6.36	547974	527912	4
c - 30	6.70	542847	527912	3
c - 32	7.01	526107	527912	0
c - 34	7.30	523798	527912	-1
c - 36	7.59	520202	527912	-1

* One compound allowed %D <= 50%

Samples

17G0320-01@40X
 17G0666-01
 17G0666-02
 17G0666-04
 17G0666-05@10X
 17G0666-03@100X
 17G0519-05@10X
 17G0519-01@10X
 17G0519-02
 17G0507-01@50X

D:\HPCHEM\1\DATA\A072017.SEC\A0720007.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 7/20/17
 Data File Name A0720007.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.14	542887	558590	-3
c - 10	1.49	548263	558590	-2
c - 12	2.22	572116	558590	2
c - 14	2.88	585052	558590	5
c - 16	3.48	592579	558590	6
c - 18	4.06	574741	558590	3
o-Terphenyl	4.35	650382	558590	
c - 20	4.67	575493	558590	3
c - 22	5.18	576350	558590	3
c - 24	5.62	535231	558590	-4
c - 26	6.01	561463	558590	1
c - 28	6.37	552550	558590	-1
c - 30	6.70	548440	558590	-2
c - 32	7.01	534893	558590	-4
c - 34	7.30	538565	558590	-4
c - 36	7.58	540221	558590	-3

* One compound allowed %D <=/= 50%

Samples

17G0521-09



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: English Station

Project Number: 17G0507

Laboratory Sample ID(s):

Sample Date(s):

17G0507-01

07/13/2017

List RCP Methods Used:

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

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1A	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5A	Were reporting limits specified or referenced on the chain-of-custody?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5B	Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

This form may not be altered and all questions must be answered.

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

Authorized Signature:

Lisa Worthington

Position: Project Manager

Printed Name: Lisa A. Worthington

Date: 07/20/17

Name of Laboratory: Con-Test Analytical Laboratory

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

July 26, 2017

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

Project Location: New Haven, CT
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 17G0626

Enclosed are results of analyses for samples received by the laboratory on July 17, 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

Table of Contents

Sample Summary	4
Case Narrative	5
Sample Results	6
17G0626-01	6
17G0626-02	8
17G0626-03	10
17G0626-04	12
17G0626-05	14
17G0626-06	16
17G0626-07	18
17G0626-08	20
17G0626-09	23
17G0626-10	25
17G0626-11	27
17G0626-12	29
17G0626-13	31
17G0626-14	33
17G0626-15	35
17G0626-16	37
17G0626-17	39
17G0626-18	41
17G0626-19	43
17G0626-20	45
Sample Preparation Information	47
QC Data	49

Table of Contents (continued)

Semivolatile Organic Compounds by GC/MS	49
B182243	49
Polycyclic Aromatic Hydrocarbons by Soxhlet Extraction	51
B181836	51
Petroleum Hydrocarbons Analyses	53
B182266	53
Metals Analyses (Total)	54
B182155	54
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)	55
B182096	55
Dual Column RPD Report	56
Flag/Qualifier Summary	60
Certifications	61
Chain of Custody/Sample Receipt	63

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: 7/26/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G0626

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

PROJECT LOCATION: New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC12W-SO-1-1	17G0626-01	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-1-2	17G0626-02	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-1-3	17G0626-03	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-4-1	17G0626-04	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-4-2	17G0626-05	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-4-3	17G0626-06	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-3-1A	17G0626-07	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-3-1B	17G0626-08	Soil		CTDEP ETPH SM 2540G SW-846 6010C-D	
WS-AOC12W-SO-3-2	17G0626-09	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-3-3	17G0626-10	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-6-1	17G0626-11	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-6-2	17G0626-12	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-6-3	17G0626-13	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-8-1A	17G0626-14	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-8-1B	17G0626-15	Soil		SM 2540G SW-846 8270D	
WS-AOC12W-SO-8-2	17G0626-16	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-8-3	17G0626-17	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-14-1	17G0626-18	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-14-2	17G0626-19	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-14-3	17G0626-20	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 8082A

Qualifications:**R-05**

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:**Aroclor-1016**

17G0626-01[WS-AOC12W-SO-1-1], 17G0626-02[WS-AOC12W-SO-1-2], 17G0626-03[WS-AOC12W-SO-1-3], 17G0626-04[WS-AOC12W-SO-4-1], 17G0626-05[WS-AOC12W-SO-4-2], 17G0626-06[WS-AOC12W-SO-4-3], 17G0626-07[WS-AOC12W-SO-3-1A], 17G0626-09[WS-AOC12W-SO-3-2], 17G0626-10[WS-AOC12W-SO-3-3], 17G0626-11[WS-AOC12W-SO-6-1], 17G0626-12[WS-AOC12W-SO-6-2], 17G0626-13[WS-AOC12W-SO-6-3], 17G0626-14[WS-AOC12W-SO-8-1A], 17G0626-16[WS-AOC12W-SO-8-2], 17G0626-17[WS-AOC12W-SO-8-3], 17G0626-18[WS-AOC12W-SO-14-1], 17G0626-19[WS-AOC12W-SO-14-2], 17G0626-20[WS-AOC12W-SO-14-3], B181836-BLK1, B181836-BS1, B181836-BSD1, B181836-MS1, B181836-MSD1

Aroclor-1016 [2C]

17G0626-01[WS-AOC12W-SO-1-1], 17G0626-02[WS-AOC12W-SO-1-2], 17G0626-03[WS-AOC12W-SO-1-3], 17G0626-04[WS-AOC12W-SO-4-1], 17G0626-05[WS-AOC12W-SO-4-2], 17G0626-06[WS-AOC12W-SO-4-3], 17G0626-07[WS-AOC12W-SO-3-1A], 17G0626-09[WS-AOC12W-SO-3-2], 17G0626-10[WS-AOC12W-SO-3-3], 17G0626-11[WS-AOC12W-SO-6-1], 17G0626-12[WS-AOC12W-SO-6-2], 17G0626-13[WS-AOC12W-SO-6-3], 17G0626-14[WS-AOC12W-SO-8-1A], 17G0626-16[WS-AOC12W-SO-8-2], 17G0626-17[WS-AOC12W-SO-8-3], 17G0626-18[WS-AOC12W-SO-14-1], 17G0626-19[WS-AOC12W-SO-14-2], 17G0626-20[WS-AOC12W-SO-14-3], B181836-BLK1, B181836-BS1, B181836-BSD1, B181836-MS1, B181836-MSD1

Aroclor-1260

17G0626-01[WS-AOC12W-SO-1-1], 17G0626-02[WS-AOC12W-SO-1-2], 17G0626-03[WS-AOC12W-SO-1-3], 17G0626-04[WS-AOC12W-SO-4-1], 17G0626-05[WS-AOC12W-SO-4-2], 17G0626-06[WS-AOC12W-SO-4-3], 17G0626-07[WS-AOC12W-SO-3-1A], 17G0626-09[WS-AOC12W-SO-3-2], 17G0626-10[WS-AOC12W-SO-3-3], 17G0626-11[WS-AOC12W-SO-6-1], 17G0626-12[WS-AOC12W-SO-6-2], 17G0626-13[WS-AOC12W-SO-6-3], 17G0626-14[WS-AOC12W-SO-8-1A], 17G0626-16[WS-AOC12W-SO-8-2], 17G0626-17[WS-AOC12W-SO-8-3], 17G0626-18[WS-AOC12W-SO-14-1], 17G0626-19[WS-AOC12W-SO-14-2], 17G0626-20[WS-AOC12W-SO-14-3], B181836-BLK1, B181836-BS1, B181836-BSD1, B181836-MS1, B181836-MSD1

Aroclor-1260 [2C]

17G0626-01[WS-AOC12W-SO-1-1], 17G0626-02[WS-AOC12W-SO-1-2], 17G0626-03[WS-AOC12W-SO-1-3], 17G0626-04[WS-AOC12W-SO-4-1], 17G0626-05[WS-AOC12W-SO-4-2], 17G0626-06[WS-AOC12W-SO-4-3], 17G0626-07[WS-AOC12W-SO-3-1A], 17G0626-09[WS-AOC12W-SO-3-2], 17G0626-10[WS-AOC12W-SO-3-3], 17G0626-11[WS-AOC12W-SO-6-1], 17G0626-12[WS-AOC12W-SO-6-2], 17G0626-13[WS-AOC12W-SO-6-3], 17G0626-14[WS-AOC12W-SO-8-1A], 17G0626-16[WS-AOC12W-SO-8-2], 17G0626-17[WS-AOC12W-SO-8-3], 17G0626-18[WS-AOC12W-SO-14-1], 17G0626-19[WS-AOC12W-SO-14-2], 17G0626-20[WS-AOC12W-SO-14-3], B181836-BLK1, B181836-BS1, B181836-BSD1, B181836-MS1, B181836-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: New Haven, CT

Sample Description:

Work Order: 17G0626

Date Received: 7/17/2017

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

Sampled: 7/17/2017 10:40

Sample ID: 17G0626-01

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	R-05	SW-846 8082A	7/17/17	7/20/17 15:40	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 15:40	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 15:40	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 15:40	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 15:40	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 15:40	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5	R-05	SW-846 8082A	7/17/17	7/20/17 15:40	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 15:40	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 15:40	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		76.8	30-150					7/20/17 15:40	
Decachlorobiphenyl [2]		85.4	30-150					7/20/17 15:40	
Tetrachloro-m-xylene [1]		70.9	30-150					7/20/17 15:40	
Tetrachloro-m-xylene [2]		71.3	30-150					7/20/17 15:40	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0626

Date Received: 7/17/2017

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

Sampled: 7/17/2017 10:40

Sample ID: 17G0626-01

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	93.3		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0626

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-1-2

Sampled: 7/17/2017 10:42

Sample ID: 17G0626-02

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	R-05	SW-846 8082A	7/17/17	7/20/17 15:57	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 15:57	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 15:57	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 15:57	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 15:57	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 15:57	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5	R-05	SW-846 8082A	7/17/17	7/20/17 15:57	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 15:57	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 15:57	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		77.9	30-150					7/20/17 15:57	
Decachlorobiphenyl [2]		88.2	30-150					7/20/17 15:57	
Tetrachloro-m-xylene [1]		87.8	30-150					7/20/17 15:57	
Tetrachloro-m-xylene [2]		88.3	30-150					7/20/17 15:57	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0626

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-1-2

Sampled: 7/17/2017 10:42

Sample ID: 17G0626-02

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	82.7		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0626

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-1-3

Sampled: 7/17/2017 10:44

Sample ID: 17G0626-03

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	0.17	mg/Kg dry	5	R-05	SW-846 8082A	7/17/17	7/20/17 16:15	KAL
Aroclor-1221 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:15	KAL
Aroclor-1232 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:15	KAL
Aroclor-1242 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:15	KAL
Aroclor-1248 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:15	KAL
Aroclor-1254 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:15	KAL
Aroclor-1260 [1]	ND	0.17	mg/Kg dry	5	R-05	SW-846 8082A	7/17/17	7/20/17 16:15	KAL
Aroclor-1262 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:15	KAL
Aroclor-1268 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:15	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		72.6	30-150					7/20/17 16:15	
Decachlorobiphenyl [2]		98.5	30-150					7/20/17 16:15	
Tetrachloro-m-xylene [1]		81.2	30-150					7/20/17 16:15	
Tetrachloro-m-xylene [2]		72.3	30-150					7/20/17 16:15	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0626

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-1-3

Sampled: 7/17/2017 10:44

Sample ID: 17G0626-03

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	58.9		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0626

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-4-1

Sampled: 7/17/2017 11:27

Sample ID: 17G0626-04

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	R-05	SW-846 8082A	7/17/17	7/20/17 16:33	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:33	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:33	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:33	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:33	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:33	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5	R-05	SW-846 8082A	7/17/17	7/20/17 16:33	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:33	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:33	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		87.0	30-150					7/20/17 16:33	
Decachlorobiphenyl [2]		99.5	30-150					7/20/17 16:33	
Tetrachloro-m-xylene [1]		96.9	30-150					7/20/17 16:33	
Tetrachloro-m-xylene [2]		97.5	30-150					7/20/17 16:33	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0626

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-4-1

Sampled: 7/17/2017 11:27

Sample ID: 17G0626-04

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	90.1		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0626

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-4-2

Sampled: 7/17/2017 11:29

Sample ID: 17G0626-05

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	R-05	SW-846 8082A	7/17/17	7/20/17 16:50	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:50	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:50	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:50	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:50	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:50	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5	R-05	SW-846 8082A	7/17/17	7/20/17 16:50	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:50	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:50	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		88.5	30-150					7/20/17 16:50	
Decachlorobiphenyl [2]		98.0	30-150					7/20/17 16:50	
Tetrachloro-m-xylene [1]		96.1	30-150					7/20/17 16:50	
Tetrachloro-m-xylene [2]		103	30-150					7/20/17 16:50	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0626

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-4-2

Sampled: 7/17/2017 11:29

Sample ID: 17G0626-05

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.3		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0626

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-4-3

Sampled: 7/17/2017 11:31

Sample ID: 17G0626-06

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	R-05	SW-846 8082A	7/17/17	7/20/17 17:08	KAL
Aroclor-1221 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:08	KAL
Aroclor-1232 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:08	KAL
Aroclor-1242 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:08	KAL
Aroclor-1248 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:08	KAL
Aroclor-1254 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:08	KAL
Aroclor-1260 [1]	ND	0.17	mg/Kg dry	5	R-05	SW-846 8082A	7/17/17	7/20/17 17:08	KAL
Aroclor-1262 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:08	KAL
Aroclor-1268 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:08	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		91.8	30-150					7/20/17 17:08	
Decachlorobiphenyl [2]		103	30-150					7/20/17 17:08	
Tetrachloro-m-xylene [1]		97.0	30-150					7/20/17 17:08	
Tetrachloro-m-xylene [2]		106	30-150					7/20/17 17:08	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0626

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-4-3

Sampled: 7/17/2017 11:31

Sample ID: 17G0626-06

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	57.9		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0626

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-3-1A

Sampled: 7/17/2017 11:30

Sample ID: 17G0626-07

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	R-05	SW-846 8082A	7/17/17	7/20/17 17:25	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:25	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:25	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:25	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:25	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:25	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5	R-05	SW-846 8082A	7/17/17	7/20/17 17:25	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:25	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:25	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		77.6	30-150					7/20/17 17:25	
Decachlorobiphenyl [2]		86.6	30-150					7/20/17 17:25	
Tetrachloro-m-xylene [1]		87.2	30-150					7/20/17 17:25	
Tetrachloro-m-xylene [2]		93.8	30-150					7/20/17 17:25	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0626

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-3-1A

Sampled: 7/17/2017 11:30

Sample ID: 17G0626-07

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.5		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0626

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-3-1B

Sampled: 7/17/2017 11:31

Sample ID: 17G0626-08

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	550	60	mg/Kg dry	5		CTDEP ETPH	7/21/17	7/25/17 19:22	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	77.2		50-150					7/25/17 19:22	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0626

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-3-1B

Sampled: 7/17/2017 11:31

Sample ID: 17G0626-08

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 4:55	QNW

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0626

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-3-1B

Sampled: 7/17/2017 11:31

Sample ID: 17G0626-08

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.2		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0626

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-3-2

Sampled: 7/17/2017 11:32

Sample ID: 17G0626-09

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	R-05	SW-846 8082A	7/17/17	7/20/17 17:43	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:43	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:43	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:43	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:43	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:43	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5	R-05	SW-846 8082A	7/17/17	7/20/17 17:43	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:43	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:43	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		81.8	30-150					7/20/17 17:43	
Decachlorobiphenyl [2]		93.0	30-150					7/20/17 17:43	
Tetrachloro-m-xylene [1]		84.2	30-150					7/20/17 17:43	
Tetrachloro-m-xylene [2]		88.8	30-150					7/20/17 17:43	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0626

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-3-2

Sampled: 7/17/2017 11:32

Sample ID: 17G0626-09

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	80.6		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0626

Date Received: 7/17/2017

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

Sampled: 7/17/2017 11:33

Sample ID: 17G0626-10

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	0.14	mg/Kg dry	5	R-05	SW-846 8082A	7/17/17	7/20/17 18:48	KAL
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 18:48	KAL
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 18:48	KAL
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 18:48	KAL
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 18:48	KAL
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 18:48	KAL
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	5	R-05	SW-846 8082A	7/17/17	7/20/17 18:48	KAL
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 18:48	KAL
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 18:48	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		83.3	30-150					7/20/17 18:48	
Decachlorobiphenyl [2]		97.1	30-150					7/20/17 18:48	
Tetrachloro-m-xylene [1]		93.1	30-150					7/20/17 18:48	
Tetrachloro-m-xylene [2]		93.6	30-150					7/20/17 18:48	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0626

Date Received: 7/17/2017

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

Sampled: 7/17/2017 11:33

Sample ID: 17G0626-10

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	70.9		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0626

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-6-1

Sampled: 7/17/2017 11:50

Sample ID: 17G0626-11

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	R-05	SW-846 8082A	7/17/17	7/20/17 19:06	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:06	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:06	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:06	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:06	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:06	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5	R-05	SW-846 8082A	7/17/17	7/20/17 19:06	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:06	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:06	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		80.3	30-150					7/20/17 19:06	
Decachlorobiphenyl [2]		92.8	30-150					7/20/17 19:06	
Tetrachloro-m-xylene [1]		96.7	30-150					7/20/17 19:06	
Tetrachloro-m-xylene [2]		103	30-150					7/20/17 19:06	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0626

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-6-1

Sampled: 7/17/2017 11:50

Sample ID: 17G0626-11

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.6		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0626

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-6-2

Sampled: 7/17/2017 11:51

Sample ID: 17G0626-12

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	0.12	mg/Kg dry	5	R-05	SW-846 8082A	7/17/17	7/20/17 19:23	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:23	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:23	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:23	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:23	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:23	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5	R-05	SW-846 8082A	7/17/17	7/20/17 19:23	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:23	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:23	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		72.7	30-150					7/20/17 19:23	
Decachlorobiphenyl [2]		93.4	30-150					7/20/17 19:23	
Tetrachloro-m-xylene [1]		89.1	30-150					7/20/17 19:23	
Tetrachloro-m-xylene [2]		89.7	30-150					7/20/17 19:23	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0626

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-6-2

Sampled: 7/17/2017 11:51

Sample ID: 17G0626-12

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	82.4		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0626

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-6-3

Sampled: 7/17/2017 11:52

Sample ID: 17G0626-13

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	0.16	mg/Kg dry	5	R-05	SW-846 8082A	7/17/17	7/20/17 19:41	KAL
Aroclor-1221 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:41	KAL
Aroclor-1232 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:41	KAL
Aroclor-1242 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:41	KAL
Aroclor-1248 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:41	KAL
Aroclor-1254 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:41	KAL
Aroclor-1260 [1]	ND	0.16	mg/Kg dry	5	R-05	SW-846 8082A	7/17/17	7/20/17 19:41	KAL
Aroclor-1262 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:41	KAL
Aroclor-1268 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:41	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		81.0	30-150					7/20/17 19:41	
Decachlorobiphenyl [2]		89.0	30-150					7/20/17 19:41	
Tetrachloro-m-xylene [1]		94.0	30-150					7/20/17 19:41	
Tetrachloro-m-xylene [2]		100	30-150					7/20/17 19:41	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0626

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-6-3

Sampled: 7/17/2017 11:52

Sample ID: 17G0626-13

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	61.3		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0626

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-8-1A

Sampled: 7/17/2017 11:45

Sample ID: 17G0626-14

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	R-05	SW-846 8082A	7/17/17	7/20/17 19:59	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:59	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:59	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:59	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:59	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:59	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5	R-05	SW-846 8082A	7/17/17	7/20/17 19:59	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:59	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:59	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		76.4	30-150					7/20/17 19:59	
Decachlorobiphenyl [2]		89.0	30-150					7/20/17 19:59	
Tetrachloro-m-xylene [1]		88.4	30-150					7/20/17 19:59	
Tetrachloro-m-xylene [2]		86.9	30-150					7/20/17 19:59	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0626

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-8-1A

Sampled: 7/17/2017 11:45

Sample ID: 17G0626-14

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	83.8		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0626

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-8-1B

Sampled: 7/17/2017 11:47

Sample ID: 17G0626-15

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	0.21	mg/Kg dry	1		SW-846 8270D	7/21/17	7/22/17 15:27	BGL
Acenaphthylene	ND	0.21	mg/Kg dry	1		SW-846 8270D	7/21/17	7/22/17 15:27	BGL
Anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	7/21/17	7/22/17 15:27	BGL
Benzo(a)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	7/21/17	7/22/17 15:27	BGL
Benzo(a)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	7/21/17	7/22/17 15:27	BGL
Benzo(b)fluoranthene	0.44	0.21	mg/Kg dry	1		SW-846 8270D	7/21/17	7/22/17 15:27	BGL
Benzo(g,h,i)perylene	ND	0.21	mg/Kg dry	1		SW-846 8270D	7/21/17	7/22/17 15:27	BGL
Benzo(k)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	7/21/17	7/22/17 15:27	BGL
Chrysene	1.1	0.21	mg/Kg dry	1		SW-846 8270D	7/21/17	7/22/17 15:27	BGL
Dibenz(a,h)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	7/21/17	7/22/17 15:27	BGL
Fluoranthene	0.49	0.21	mg/Kg dry	1		SW-846 8270D	7/21/17	7/22/17 15:27	BGL
Fluorene	ND	0.21	mg/Kg dry	1		SW-846 8270D	7/21/17	7/22/17 15:27	BGL
Indeno(1,2,3-cd)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	7/21/17	7/22/17 15:27	BGL
2-Methylnaphthalene	0.28	0.21	mg/Kg dry	1		SW-846 8270D	7/21/17	7/22/17 15:27	BGL
Naphthalene	0.32	0.21	mg/Kg dry	1		SW-846 8270D	7/21/17	7/22/17 15:27	BGL
Phenanthrene	1.0	0.21	mg/Kg dry	1		SW-846 8270D	7/21/17	7/22/17 15:27	BGL
Pyrene	0.35	0.21	mg/Kg dry	1		SW-846 8270D	7/21/17	7/22/17 15:27	BGL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Nitrobenzene-d5		57.1	30-130					7/22/17 15:27	
2-Fluorobiphenyl		58.0	30-130					7/22/17 15:27	
p-Terphenyl-d14		63.7	30-130					7/22/17 15:27	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0626

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-8-1B

Sampled: 7/17/2017 11:47

Sample ID: 17G0626-15

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	81.1		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0626

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-8-2

Sampled: 7/17/2017 11:49

Sample ID: 17G0626-16

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	R-05	SW-846 8082A	7/17/17	7/20/17 20:16	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:16	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:16	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:16	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:16	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:16	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5	R-05	SW-846 8082A	7/17/17	7/20/17 20:16	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:16	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:16	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		74.9	30-150					7/20/17 20:16	
Decachlorobiphenyl [2]		88.6	30-150					7/20/17 20:16	
Tetrachloro-m-xylene [1]		89.5	30-150					7/20/17 20:16	
Tetrachloro-m-xylene [2]		89.7	30-150					7/20/17 20:16	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0626

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-8-2

Sampled: 7/17/2017 11:49

Sample ID: 17G0626-16

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.0		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0626

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-8-3

Sampled: 7/17/2017 11:51

Sample ID: 17G0626-17

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	0.15	mg/Kg dry	5	R-05	SW-846 8082A	7/17/17	7/20/17 20:34	KAL
Aroclor-1221 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:34	KAL
Aroclor-1232 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:34	KAL
Aroclor-1242 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:34	KAL
Aroclor-1248 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:34	KAL
Aroclor-1254 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:34	KAL
Aroclor-1260 [1]	ND	0.15	mg/Kg dry	5	R-05	SW-846 8082A	7/17/17	7/20/17 20:34	KAL
Aroclor-1262 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:34	KAL
Aroclor-1268 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:34	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		79.0	30-150					7/20/17 20:34	
Decachlorobiphenyl [2]		83.7	30-150					7/20/17 20:34	
Tetrachloro-m-xylene [1]		84.1	30-150					7/20/17 20:34	
Tetrachloro-m-xylene [2]		80.4	30-150					7/20/17 20:34	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0626

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-8-3

Sampled: 7/17/2017 11:51

Sample ID: 17G0626-17

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	66.0		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0626

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-14-1

Sampled: 7/17/2017 11:55

Sample ID: 17G0626-18

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	R-05	SW-846 8082A	7/17/17	7/20/17 20:51	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:51	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:51	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:51	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:51	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:51	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5	R-05	SW-846 8082A	7/17/17	7/20/17 20:51	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:51	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:51	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		78.6	30-150					7/20/17 20:51	
Decachlorobiphenyl [2]		89.1	30-150					7/20/17 20:51	
Tetrachloro-m-xylene [1]		95.9	30-150					7/20/17 20:51	
Tetrachloro-m-xylene [2]		103	30-150					7/20/17 20:51	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0626

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-14-1

Sampled: 7/17/2017 11:55

Sample ID: 17G0626-18

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	94.5		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0626

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-14-2

Sampled: 7/17/2017 11:58

Sample ID: 17G0626-19

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	R-05	SW-846 8082A	7/17/17	7/20/17 21:09	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 21:09	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 21:09	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 21:09	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 21:09	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 21:09	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5	R-05	SW-846 8082A	7/17/17	7/20/17 21:09	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 21:09	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 21:09	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		60.4	30-150					7/20/17 21:09	
Decachlorobiphenyl [2]		73.2	30-150					7/20/17 21:09	
Tetrachloro-m-xylene [1]		73.2	30-150					7/20/17 21:09	
Tetrachloro-m-xylene [2]		69.4	30-150					7/20/17 21:09	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0626

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-14-2

Sampled: 7/17/2017 11:58

Sample ID: 17G0626-19

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	86.5		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0626

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-14-3

Sampled: 7/17/2017 11:59

Sample ID: 17G0626-20

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.14	mg/Kg dry	5	R-05	SW-846 8082A	7/17/17	7/20/17 21:26	KAL
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 21:26	KAL
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 21:26	KAL
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 21:26	KAL
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 21:26	KAL
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 21:26	KAL
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	5	R-05	SW-846 8082A	7/17/17	7/20/17 21:26	KAL
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 21:26	KAL
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 21:26	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		72.7	30-150					7/20/17 21:26	
Decachlorobiphenyl [2]		84.6	30-150					7/20/17 21:26	
Tetrachloro-m-xylene [1]		93.3	30-150					7/20/17 21:26	
Tetrachloro-m-xylene [2]		99.6	30-150					7/20/17 21:26	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0626

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-14-3

Sampled: 7/17/2017 11:59

Sample ID: 17G0626-20

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	71.3		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0626-08 [WS-AOC12W-SO-3-1B]	B182266	30.0	1.00	07/21/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17G0626-01 [WS-AOC12W-SO-1-1]	B182096	07/20/17
17G0626-02 [WS-AOC12W-SO-1-2]	B182096	07/20/17
17G0626-03 [WS-AOC12W-SO-1-3]	B182096	07/20/17
17G0626-04 [WS-AOC12W-SO-4-1]	B182096	07/20/17
17G0626-05 [WS-AOC12W-SO-4-2]	B182096	07/20/17
17G0626-06 [WS-AOC12W-SO-4-3]	B182096	07/20/17
17G0626-07 [WS-AOC12W-SO-3-1A]	B182096	07/20/17
17G0626-08 [WS-AOC12W-SO-3-1B]	B182096	07/20/17
17G0626-09 [WS-AOC12W-SO-3-2]	B182096	07/20/17
17G0626-10 [WS-AOC12W-SO-3-3]	B182096	07/20/17
17G0626-11 [WS-AOC12W-SO-6-1]	B182096	07/20/17
17G0626-12 [WS-AOC12W-SO-6-2]	B182096	07/20/17
17G0626-13 [WS-AOC12W-SO-6-3]	B182096	07/20/17
17G0626-14 [WS-AOC12W-SO-8-1A]	B182096	07/20/17
17G0626-15 [WS-AOC12W-SO-8-1B]	B182096	07/20/17
17G0626-16 [WS-AOC12W-SO-8-2]	B182096	07/20/17
17G0626-17 [WS-AOC12W-SO-8-3]	B182096	07/20/17
17G0626-18 [WS-AOC12W-SO-14-1]	B182096	07/20/17
17G0626-19 [WS-AOC12W-SO-14-2]	B182096	07/20/17
17G0626-20 [WS-AOC12W-SO-14-3]	B182096	07/20/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0626-08 [WS-AOC12W-SO-3-1B]	B182155	1.01	50.0	07/20/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0626-01 [WS-AOC12W-SO-1-1]	B181836	10.0	10.0	07/17/17
17G0626-02 [WS-AOC12W-SO-1-2]	B181836	10.0	10.0	07/17/17
17G0626-03 [WS-AOC12W-SO-1-3]	B181836	10.0	10.0	07/17/17
17G0626-04 [WS-AOC12W-SO-4-1]	B181836	10.0	10.0	07/17/17
17G0626-05 [WS-AOC12W-SO-4-2]	B181836	10.0	10.0	07/17/17
17G0626-06 [WS-AOC12W-SO-4-3]	B181836	10.0	10.0	07/17/17
17G0626-07 [WS-AOC12W-SO-3-1A]	B181836	10.0	10.0	07/17/17
17G0626-09 [WS-AOC12W-SO-3-2]	B181836	10.0	10.0	07/17/17
17G0626-10 [WS-AOC12W-SO-3-3]	B181836	10.0	10.0	07/17/17
17G0626-11 [WS-AOC12W-SO-6-1]	B181836	10.0	10.0	07/17/17
17G0626-12 [WS-AOC12W-SO-6-2]	B181836	10.0	10.0	07/17/17
17G0626-13 [WS-AOC12W-SO-6-3]	B181836	10.0	10.0	07/17/17
17G0626-14 [WS-AOC12W-SO-8-1A]	B181836	10.0	10.0	07/17/17
17G0626-16 [WS-AOC12W-SO-8-2]	B181836	10.0	10.0	07/17/17
17G0626-17 [WS-AOC12W-SO-8-3]	B181836	10.0	10.0	07/17/17
17G0626-18 [WS-AOC12W-SO-14-1]	B181836	10.0	10.0	07/17/17
17G0626-19 [WS-AOC12W-SO-14-2]	B181836	10.0	10.0	07/17/17

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

Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0626-20 [WS-AOC12W-SO-14-3]	B181836	10.0	10.0	07/17/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0626-15 [WS-AOC12W-SO-8-1B]	B182243	30.0	1.00	07/21/17

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

QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B182243 - SW-846 3546										
Blank (B182243-BLK1)										
Prepared: 07/21/17 Analyzed: 07/22/17										
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	2.43		mg/Kg wet	3.33		72.9	30-130			
Surrogate: 2-Fluorobiphenyl	2.47		mg/Kg wet	3.33		74.2	30-130			
Surrogate: p-Terphenyl-d14	2.68		mg/Kg wet	3.33		80.5	30-130			
LCS (B182243-BS1)										
Prepared: 07/21/17 Analyzed: 07/22/17										
Acenaphthene	1.20	0.17	mg/Kg wet	1.67		71.8	40-140			
Acenaphthylene	1.15	0.17	mg/Kg wet	1.67		68.9	40-140			
Anthracene	1.21	0.17	mg/Kg wet	1.67		72.4	40-140			
Benzo(a)anthracene	1.07	0.17	mg/Kg wet	1.67		63.9	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		68.3	40-140			
Benzo(g,h,i)perylene	1.12	0.17	mg/Kg wet	1.67		67.4	40-140			
Benzo(k)fluoranthene	1.20	0.17	mg/Kg wet	1.67		72.2	40-140			
Chrysene	0.992	0.17	mg/Kg wet	1.67		59.5	40-140			
Dibenz(a,h)anthracene	1.12	0.17	mg/Kg wet	1.67		67.4	40-140			
Fluoranthene	1.17	0.17	mg/Kg wet	1.67		69.9	40-140			
Fluorene	1.18	0.17	mg/Kg wet	1.67		70.7	40-140			
Indeno(1,2,3-cd)pyrene	1.12	0.17	mg/Kg wet	1.67		67.1	40-140			
2-Methylnaphthalene	1.21	0.17	mg/Kg wet	1.67		72.8	40-140			
Naphthalene	1.11	0.17	mg/Kg wet	1.67		66.5	40-140			
Phenanthrene	1.22	0.17	mg/Kg wet	1.67		72.9	40-140			
Pyrene	1.09	0.17	mg/Kg wet	1.67		65.3	40-140			
Surrogate: Nitrobenzene-d5	2.61		mg/Kg wet	3.33		78.3	30-130			
Surrogate: 2-Fluorobiphenyl	2.65		mg/Kg wet	3.33		79.6	30-130			
Surrogate: p-Terphenyl-d14	2.38		mg/Kg wet	3.33		71.5	30-130			

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

QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B182243 - SW-846 3546										
LCS Dup (B182243-BSD1)										
					Prepared: 07/21/17 Analyzed: 07/22/17					
Acenaphthene	1.16	0.17	mg/Kg wet	1.67		69.9	40-140	2.71	30	
Acenaphthylene	1.13	0.17	mg/Kg wet	1.67		67.6	40-140	1.90	30	
Anthracene	1.20	0.17	mg/Kg wet	1.67		71.7	40-140	0.999	30	
Benzo(a)anthracene	1.12	0.17	mg/Kg wet	1.67		67.4	40-140	5.27	30	
Benzo(a)pyrene	1.27	0.17	mg/Kg wet	1.67		76.0	40-140	4.41	30	
Benzo(b)fluoranthene	1.12	0.17	mg/Kg wet	1.67		67.0	40-140	1.95	30	
Benzo(g,h,i)perylene	1.20	0.17	mg/Kg wet	1.67		71.9	40-140	6.46	30	
Benzo(k)fluoranthene	1.24	0.17	mg/Kg wet	1.67		74.4	40-140	2.97	30	
Chrysene	1.05	0.17	mg/Kg wet	1.67		63.2	40-140	6.00	30	
Dibenz(a,h)anthracene	1.19	0.17	mg/Kg wet	1.67		71.6	40-140	6.07	30	
Fluoranthene	1.16	0.17	mg/Kg wet	1.67		69.4	40-140	0.775	30	
Fluorene	1.18	0.17	mg/Kg wet	1.67		70.5	40-140	0.283	30	
Indeno(1,2,3-cd)pyrene	1.25	0.17	mg/Kg wet	1.67		74.8	40-140	11.0	30	
2-Methylnaphthalene	1.20	0.17	mg/Kg wet	1.67		71.7	40-140	1.58	30	
Naphthalene	1.10	0.17	mg/Kg wet	1.67		66.3	40-140	0.422	30	
Phenanthrene	1.21	0.17	mg/Kg wet	1.67		72.6	40-140	0.440	30	
Pyrene	1.19	0.17	mg/Kg wet	1.67		71.2	40-140	8.70	30	
Surrogate: Nitrobenzene-d5	2.48		mg/Kg wet	3.33		74.4	30-130			
Surrogate: 2-Fluorobiphenyl	2.52		mg/Kg wet	3.33		75.6	30-130			
Surrogate: p-Terphenyl-d14	2.56		mg/Kg wet	3.33		76.9	30-130			

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

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B181836 - SW-846 3540C										
Blank (B181836-BLK1)										
Prepared: 07/17/17 Analyzed: 07/20/17										
Aroclor-1016	ND	0.020	mg/Kg wet							R-05
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							R-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							R-05
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							R-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	0.210		mg/Kg wet	0.200		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.174		mg/Kg wet	0.200		86.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.191		mg/Kg wet	0.200		95.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.168		mg/Kg wet	0.200		84.2	30-150			
LCS (B181836-BS1)										
Prepared: 07/17/17 Analyzed: 07/20/17										
Aroclor-1016	0.20	0.020	mg/Kg wet	0.200		97.6	40-140			R-05
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		99.0	40-140			R-05
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		90.4	40-140			R-05
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		82.5	40-140			R-05
Surrogate: Decachlorobiphenyl	0.205		mg/Kg wet	0.200		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.174		mg/Kg wet	0.200		86.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.185		mg/Kg wet	0.200		92.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.159		mg/Kg wet	0.200		79.6	30-150			
LCS Dup (B181836-BSD1)										
Prepared: 07/17/17 Analyzed: 07/20/17										
Aroclor-1016	0.12	0.020	mg/Kg wet	0.200		62.4	40-140	43.9 *	30	R-05
Aroclor-1016 [2C]	0.13	0.020	mg/Kg wet	0.200		63.1	40-140	44.2 *	30	R-05
Aroclor-1260	0.11	0.020	mg/Kg wet	0.200		54.1	40-140	50.3 *	30	R-05
Aroclor-1260 [2C]	0.099	0.020	mg/Kg wet	0.200		49.5	40-140	50.0 *	30	R-05
Surrogate: Decachlorobiphenyl	0.113		mg/Kg wet	0.200		56.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.121		mg/Kg wet	0.200		60.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.135		mg/Kg wet	0.200		67.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.153		mg/Kg wet	0.200		76.7	30-150			

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

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B181836 - SW-846 3540C

Matrix Spike (B181836-MS1)

Source: 17G0626-18

Prepared: 07/17/17 Analyzed: 07/20/17

Aroclor-1016	0.18	0.11	mg/Kg dry	0.212	ND	86.1	40-140			R-05
Aroclor-1016 [2C]	0.16	0.11	mg/Kg dry	0.212	ND	76.1	40-140			R-05
Aroclor-1260	0.15	0.11	mg/Kg dry	0.212	ND	68.7	40-140			R-05
Aroclor-1260 [2C]	0.14	0.11	mg/Kg dry	0.212	ND	65.6	40-140			R-05
Surrogate: Decachlorobiphenyl	0.138		mg/Kg dry	0.212		65.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.154		mg/Kg dry	0.212		72.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.167		mg/Kg dry	0.212		78.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.179		mg/Kg dry	0.212		84.5	30-150			

Matrix Spike Dup (B181836-MSD1)

Source: 17G0626-18

Prepared: 07/17/17 Analyzed: 07/20/17

Aroclor-1016	0.19	0.11	mg/Kg dry	0.212	ND	89.4	40-140	3.76	50	R-05
Aroclor-1016 [2C]	0.16	0.11	mg/Kg dry	0.212	ND	76.6	40-140	0.642	50	R-05
Aroclor-1260	0.15	0.11	mg/Kg dry	0.212	ND	70.9	40-140	3.14	50	R-05
Aroclor-1260 [2C]	0.14	0.11	mg/Kg dry	0.212	ND	67.7	40-140	3.03	50	R-05
Surrogate: Decachlorobiphenyl	0.146		mg/Kg dry	0.212		69.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.164		mg/Kg dry	0.212		77.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.173		mg/Kg dry	0.212		81.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.182		mg/Kg dry	0.212		85.9	30-150			

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

QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B182266 - SW-846 3546										
Blank (B182266-BLK1)										
					Prepared: 07/21/17 Analyzed: 07/24/17					
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	2.93		mg/Kg wet	3.33		87.9	50-150			
LCS (B182266-BS1)										
					Prepared: 07/21/17 Analyzed: 07/24/17					
CT ETPH	25.1	10	mg/Kg wet	33.3		75.3	60-120			
Surrogate: o-Terphenyl	2.65		mg/Kg wet	3.33		79.4	50-150			
LCS Dup (B182266-BSD1)										
					Prepared: 07/21/17 Analyzed: 07/24/17					
CT ETPH	23.8	10	mg/Kg wet	33.3		71.3	60-120	5.50	30	
Surrogate: o-Terphenyl	2.62		mg/Kg wet	3.33		78.5	50-150			

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

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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	
Duplicate (B182155-DUP1)										
					Source: 17G0626-08					
					Prepared: 07/20/17 Analyzed: 07/24/17					
Arsenic	115	2.9	mg/Kg dry		117			1.51	35	
Matrix Spike (B182155-MS1)										
					Source: 17G0626-08					
					Prepared: 07/20/17 Analyzed: 07/24/17					
Arsenic	149	3.0	mg/Kg dry	29.9	117	105	75-125			

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

QUALITY CONTROL

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B182096 - % Solids										
Duplicate (B182096-DUP1)	Source: 17G0626-17			Prepared: 07/20/17 Analyzed: 07/21/17						
% Solids	64.5		% Wt		66.0			2.30	20	
Duplicate (B182096-DUP2)	Source: 17G0626-18			Prepared: 07/20/17 Analyzed: 07/21/17						
% Solids	95.4		% Wt		94.5			0.948	20	

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

SW-846 8082A

Lab Sample ID: B181836-BS1 Date(s) Analyzed: 07/20/2017 07/20/2017

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	0.20	
	2	0.000	-0.030	0.030	0.20	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.17	5.7

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

LCS Dup

Lab Sample ID: B181836-BSD1 Date(s) Analyzed: 07/20/2017 07/20/2017

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	0.12	
	2	0.000	-0.030	0.030	0.13	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.11	
	2	0.000	-0.030	0.030	0.099	10.5

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

Matrix Spike

SW-846 8082A

Lab Sample ID: B181836-MS1 Date(s) Analyzed: 07/20/2017 07/20/2017

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	0.15	
	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: B181836-MSD1 Date(s) Analyzed: 07/20/2017 07/20/2017

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	0.16	17.1
Aroclor-1260	1	0.000	-0.030	0.030	0.15	
	2	0.000	-0.030	0.030	0.14	6.9

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

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
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.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

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

Company Name: Westfort Simpson
Address: 213 Dunderland Rd
Phone: 860-513-4973
Project Name: English Station
Project Location: Newtown
Project Number:
Project Manager: Malcolm Beeler
Con-Test Quote Name/Number:
Invoice Recipient: Malcolm Beeler
Sampled By: Will Strutzak

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	WS-AOC12w-50-1-1	7/17/17	1040	X	S		
2	WS-AOC12w-50-1-2		1042	X	S		
3	WS-AOC12w-50-1-3		1044	X	S		
4	WS-AOC12w-50-4-1		1127	X	S		
5	WS-AOC12w-50-4-2		1129	X	S		
6	WS-AOC12w-50-4-3		1131	X	S		
7	WS-AOC12w-50-3-1A		1130	X	S		
8	WS-AOC12w-50-3-1B		1131	X	S		
9	WS-AOC12w-50-3-2		1132	X	S		
10	WS-AOC12w-50-3-3		1133	X	S		

Comments:
Please hold excess volume for possible
SCLP analysis

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

Requisitioned By: (signature) [Signature] Date/Time: 7/17/17 1517
 Received by: (signature) [Signature] Date/Time: 7/17/17 1515
 Requisitioned by: (signature) [Signature] Date/Time: 7/17/17 445
 Received by: (signature) [Signature] Date/Time: 7/17/17 1615
 Requisitioned by: (signature) [Signature] Date/Time:
 Received by: (signature) [Signature] Date/Time:

Detection Limit Requirements: MA
 Special Requirements: MA MCP Required
 MCP Certification Form Required
 CT RCP Required
 RCP Certification Form Required
 MA State DW Required
 PWSID #

Project Entity: Government Municipality WRTA MBWA
 Federal 21 J School
 City Brownfield MBTA

Other: Chromatogram
 AHA-LAP, LLC



MA, CT and AHA-LAP, LLC Accredited
www.contestlabs.com

of Containers:
 Preservation Code:
 Container Code:
 ANALYSIS REQUESTED:
 Field Filtered
 Lab to Filter
 Field Filtered
 Lab to Filter
 Matrix Codes:
 GW = Ground Water
 WW = Waste Water
 DW = Drinking Water
 A = Air
 S = Soil
 SL = Sludge
 SOL = Solid
 O = Other (please define)
 Preservation Codes:
 I = Iced
 H = HCL
 M = Methanol
 N = Nitric Acid
 S = Sulfuric Acid
 B = Sodium Bisulfate
 X = Sodium Hydroxide
 T = Sodium Thiosulfate
 O = Other (please define)
 Container Codes:
 A = Amber Glass
 G = Glass
 P = Plastic
 ST = Sterile
 V = Vial
 S = Summa Canister
 T = Tedlar Bag
 O = Other (please define)
 PCB ONLY
 Soxhlet
 Non Soxhlet

39 Spruce Street
East Longmeadow, MA 01028

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

Company Name: Weston + Sampson
Address:
Phone:
Project Name: English Station
Project Location: New Haven
Project Number:
Project Manager: Malcolm Becker
Con-Test Quote Name/Number:
Invoice Recipient: Malcolm Becker
Sampled By: Wick Strate

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

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
11	WS-AOC12W-50-6-1	7/17/17	1150		X	S	
12	WS-AOC12W-50-6-2		1151				
13	WS-AOC12W-50-6-3		1152				
14	WS-AOC12W-50-8-1A		1145				
15	WS-AOC12W-50-8-1B		1147				
16	WS-AOC12W-50-8-2		1149				
17	WS-AOC12W-50-8-3		1151				
18	WS-AOC12W-50-8-4-1		1155				
19	WS-AOC12W-50-14-2		1158				
20	WS-AOC12W-50-14-3		1159				

ANALYSIS REQUESTED

PCBs Soxhlet	
PCBs	
ETPH	
SCCP ETPH	
PAHs	
Arsenic	

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

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

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

Comments:
Please hold excess volume for possible SPCP analysis. Run WS-AOC12W-14-1 as mslmsd matrix spike.

Relinquished by (Signature): [Signature] Date/Time: 7/17/17 1515
 Received by (Signature): [Signature] Date/Time: 7/17/17 1515
 Relinquished by (Signature): [Signature] Date/Time: 7/17/17 941
 Received by (Signature): [Signature] Date/Time: 7-5-8-7/17
 Relinquished by (Signature): [Signature] Date/Time: 1645
 Received by (Signature): [Signature] Date/Time: [Signature]

Detection Limit Requirements: MA
 Special Requirements: MA MCP Required, MCP Certification Form Required, CT RCP Required, RCP Certification Form Required, MA State DWR Required

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

PCB ONLY: Soxhlet, Non Soxhlet



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



con-test[®]
 ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

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

Client Weston & Sampson
 Received By JM Date 7/17/13 Time 1645

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

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 5.8
 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 F 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? MA Who was notified? _____
 Are there Short Holds? MA Who was notified? _____

Is there enough Volume? F
 Is there Headspace where applicable? N/A MS/MSD? N/A
 Proper Media/Containers Used? MA Is splitting samples required? N/A
 Were trip blanks received? MA 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\A072517\A0725042.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 7/25/17
 Data File Name A0725042.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.08	469269	528199	-11
c - 10	1.43	477954	528199	-10
c - 12	2.17	431449	528199	-18
c - 14	2.84	526968	528199	0
c - 16	3.44	546472	528199	3
c - 18	4.02	544933	528199	3
o-Terphenyl	4.31	633988	528199	
c - 20	4.64	558949	528199	6
c - 22	5.16	569101	528199	8
c - 24	5.60	535615	528199	1
c - 26	6.00	566663	528199	7
c - 28	6.36	560787	528199	6
c - 30	6.70	552619	528199	5
c - 32	7.01	532601	528199	1
c - 34	7.30	527781	528199	0
c - 36	7.59	521829	528199	-1

* One compound allowed %D <= 50%

Samples

1G0678-01
 17G0678-02
 17G0938-01
 17G0803-01
 17G0639-01
 17G0639-02
 17G0754-01
 17G0780-01
 17G0784-16
 17G0784-17
 17G0784-18
 17G0784-20

D:\HPCHEM\1\DATA\A072517\A0725096.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 7/26/17
 Data File Name A0725096.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.08	434667	494774	-12
c - 10	1.43	431422	494774	-13
c - 12	2.17	456436	494774	-8
c - 14	2.84	474091	494774	-4
c - 16	3.44	492084	494774	-1
c - 18	4.02	491737	494774	-1
o-Terphenyl	4.31	572769	494774	
c - 20	4.64	506573	494774	2
c - 22	5.16	520754	494774	5
c - 24	5.60	492789	494774	0
c - 26	6.00	528658	494774	7
c - 28	6.36	527791	494774	7
c - 30	6.70	531746	494774	7
c - 32	7.01	517946	494774	5
c - 34	7.30	513504	494774	4
c - 36	7.58	501410	494774	1

* One compound allowed %D <= 50%

Samples

17G0780-02
 17G0754-02
 17G0754-03
 17G0754-04
 17G0754-05
 17G0784-01
 17G0784-02
 17G0784-05
 17G0784-06
 17G0784-07
 17G0784-08
 17G0784-09
 17G0784-10
 17G0784-11
 17G0784-12
 17G0784-13

D:\HPCHEM\1\DATA\A072517.SEC\A0725043.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 7/25/17
 Data File Name A0725043.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.14	529066	555179	-5
c - 10	1.49	534758	555179	-4
c - 12	2.22	555660	555179	0
c - 14	2.88	567316	555179	2
c - 16	3.48	576001	555179	4
c - 18	4.06	569798	555179	3
o-Terphenyl	4.35	654599	555179	
c - 20	4.67	578039	555179	4
c - 22	5.18	584712	555179	5
c - 24	5.62	543245	555179	-2
c - 26	6.01	569376	555179	3
c - 28	6.37	558962	555179	1
c - 30	6.70	552601	555179	0
c - 32	7.01	535992	555179	-3
c - 34	7.30	536320	555179	-3
c - 36	7.58	535844	555179	-3

* One compound allowed %D </= 50%

Samples

17G0755-01
 17G0626-08@5X
 17G0786-04
 17G0786-05
 17G0786-06
 17G0786-08

D:\HPCHEM\1\DATA\A072517.SEC\A0725097.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 7/26/17
 Data File Name A0725097.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.14	423007	448464	-6
c - 10	1.49	424085	448464	-5
c - 12	2.22	443558	448464	-1
c - 14	2.89	454055	448464	1
c - 16	3.48	463539	448464	3
c - 18	4.06	457315	448464	2
o-Terphenyl	4.36	523389	448464	
c - 20	4.67	464553	448464	4
c - 22	5.18	469869	448464	5
c - 24	5.62	437856	448464	-2
c - 26	6.01	460754	448464	3
c - 28	6.37	453390	448464	1
c - 30	6.70	451107	448464	1
c - 32	7.01	439832	448464	-2
c - 34	7.30	441689	448464	-2
c - 36	7.58	442356	448464	-1

* One compound allowed %D <= 50%

Samples

17G0786-12
 17G0785-01
 17G0785-02
 17G0785-03
 17G0785-04
 17G0785-07
 17G0785-13
 17G0785-14

D:\HPCHEM\1\DATA\A072517.SEC\A0725153.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 7/26/17
 Data File Name A0725153.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.14	459390	476901	-4
c - 10	1.49	457897	476901	-4
c - 12	2.22	480908	476901	1
c - 14	2.89	485375	476901	2
c - 16	3.48	493163	476901	3
c - 18	4.06	484784	476901	2
o-Terphenyl	4.36	554345	476901	
c - 20	4.67	492008	476901	3
c - 22	5.18	497228	476901	4
c - 24	5.62	462983	476901	-3
c - 26	6.01	487104	476901	2
c - 28	6.37	479218	476901	0
c - 30	6.70	476761	476901	0
c - 32	7.01	464381	476901	-3
c - 34	7.30	465959	476901	-2
c - 36	7.58	466352	476901	-2

* One compound allowed %D <= 50%

Samples

17G0628-02



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: New Haven, CT

Project Number: 17G0626

Laboratory Sample ID(s):

Sample Date(s):

17G0626-01 thru 17G0626-20

07/17/2017

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: 07/26/17

Name of Laboratory: Con-Test Analytical Laboratory

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

July 26, 2017

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

Project Location: New Haven, CT
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 17G0628

Enclosed are results of analyses for samples received by the laboratory on July 17, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, reading "James M. Georgantas". The signature is written in a cursive style with a long horizontal flourish extending to the right.

James M. Georgantas
Project Manager

Table of Contents

Sample Summary	4
Case Narrative	5
Sample Results	8
17G0628-01	8
17G0628-02	10
17G0628-03	13
17G0628-04	15
17G0628-05	17
17G0628-06	19
17G0628-07	21
17G0628-08	23
17G0628-09	25
17G0628-10	27
17G0628-11	29
17G0628-12	31
17G0628-13	33
17G0628-14	35
17G0628-15	37
17G0628-16	39
17G0628-17	41
17G0628-18	43
17G0628-19	45
17G0628-20	47
Sample Preparation Information	49
QC Data	51

Table of Contents (continued)

Semivolatile Organic Compounds by GC/MS	51
B182275	51
Polycyclic Aromatic Hydrocarbons by Soxhlet Extraction	54
B181837	54
Petroleum Hydrocarbons Analyses	56
B182266	56
Metals Analyses (Total)	57
B182155	57
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)	58
B182096	58
Dual Column RPD Report	59
Flag/Qualifier Summary	63
Certifications	64
Chain of Custody/Sample Receipt	66

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: 7/26/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G0628

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

PROJECT LOCATION: New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC12W-SO-23-1A	17G0628-01	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-23-1B	17G0628-02	Soil		CTDEP ETPH SM 2540G SW-846 6010C-D	
WS-AOC12W-SO-23-2	17G0628-03	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-23-3	17G0628-04	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-27-1	17G0628-05	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-27-2	17G0628-06	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-27-3	17G0628-07	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-10-1	17G0628-08	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-10-2	17G0628-09	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-10-3	17G0628-10	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-18-1A	17G0628-11	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-18-1B	17G0628-12	Soil		SM 2540G SW-846 8270D	
WS-AOC12W-SO-18-2	17G0628-13	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-18-3	17G0628-14	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-31-1	17G0628-15	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-31-2	17G0628-16	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-31-3	17G0628-17	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-32-1	17G0628-18	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-32-2	17G0628-19	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-32-3	17G0628-20	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.

For method 6010, only As was requested and reported.

Qualifications:**MS-09**

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

Analyte & Samples(s) Qualified:**Benzo(b)fluoranthene**

17G0628-12[WS-AOC12W-SO-18-1B], B182275-MS1, B182275-MSD1

Benzo(g,h,i)perylene

17G0628-12[WS-AOC12W-SO-18-1B], B182275-MS1, B182275-MSD1

Indeno(1,2,3-cd)pyrene

17G0628-12[WS-AOC12W-SO-18-1B], B182275-MS1, B182275-MSD1

MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:**Benzo(a)pyrene**

B182275-MSD1

Benzo(k)fluoranthene

B182275-MSD1

Chrysene

B182275-MS1

Dibenz(a,h)anthracene

B182275-MSD1

Fluoranthene

B182275-MS1

Naphthalene

B182275-MS1

MS-23

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 outside of the method specified criteria. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:**2-Methylnaphthalene**

B182275-MS1

Phenanthrene

B182275-MS1

R-06

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:**2-Methylnaphthalene**

17G0628-12[WS-AOC12W-SO-18-1B], B182275-MSD1

Benzo(g,h,i)perylene

17G0628-12[WS-AOC12W-SO-18-1B], B182275-MS1, B182275-MSD1

Indeno(1,2,3-cd)pyrene

17G0628-12[WS-AOC12W-SO-18-1B], B182275-MS1, B182275-MSD1

Phenanthrene

17G0628-12[WS-AOC12W-SO-18-1B], B182275-MSD1

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

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: New Haven, CT

Sample Description:

Work Order: 17G0628

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-23-1A

Sampled: 7/17/2017 12:03

Sample ID: 17G0628-01

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	7/17/17	7/20/17 16:30	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:30	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:30	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:30	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:30	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:30	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:30	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:30	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:30	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		101	30-150					7/20/17 16:30	
Decachlorobiphenyl [2]		101	30-150					7/20/17 16:30	
Tetrachloro-m-xylene [1]		77.9	30-150					7/20/17 16:30	
Tetrachloro-m-xylene [2]		83.9	30-150					7/20/17 16:30	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0628

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-23-1A

Sampled: 7/17/2017 12:03

Sample ID: 17G0628-01

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.9		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0628

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-23-1B

Sampled: 7/17/2017 12:05

Sample ID: 17G0628-02

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	98	11	mg/Kg dry	1		CTDEP ETPH	7/21/17	7/26/17 9:52	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		74.9	50-150					7/26/17 9:52	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0628

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-23-1B

Sampled: 7/17/2017 12:05

Sample ID: 17G0628-02

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	210	2.8	mg/Kg dry	1		SW-846 6010C-D	7/20/17	7/24/17 5:05	QNW

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0628

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-23-1B

Sampled: 7/17/2017 12:05

Sample ID: 17G0628-02

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.5		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0628

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-23-2

Sampled: 7/17/2017 12:07

Sample ID: 17G0628-03

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	7/17/17	7/20/17 16:42	TG
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:42	TG
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:42	TG
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:42	TG
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:42	TG
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:42	TG
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:42	TG
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:42	TG
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:42	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		103	30-150					7/20/17 16:42	
Decachlorobiphenyl [2]		102	30-150					7/20/17 16:42	
Tetrachloro-m-xylene [1]		77.3	30-150					7/20/17 16:42	
Tetrachloro-m-xylene [2]		84.1	30-150					7/20/17 16:42	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0628

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-23-2

Sampled: 7/17/2017 12:07

Sample ID: 17G0628-03

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	84.7		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0628

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-23-3

Sampled: 7/17/2017 12:09

Sample ID: 17G0628-04

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	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:54	TG
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:54	TG
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:54	TG
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:54	TG
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:54	TG
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:54	TG
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:54	TG
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:54	TG
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 16:54	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		107	30-150					7/20/17 16:54	
Decachlorobiphenyl [2]		104	30-150					7/20/17 16:54	
Tetrachloro-m-xylene [1]		77.9	30-150					7/20/17 16:54	
Tetrachloro-m-xylene [2]		84.8	30-150					7/20/17 16:54	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0628

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-23-3

Sampled: 7/17/2017 12:09

Sample ID: 17G0628-04

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	81.7		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0628

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-27-1

Sampled: 7/17/2017 12:22

Sample ID: 17G0628-05

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	7/17/17	7/20/17 17:06	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:06	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:06	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:06	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:06	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:06	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:06	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:06	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:06	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		108	30-150					7/20/17 17:06	
Decachlorobiphenyl [2]		105	30-150					7/20/17 17:06	
Tetrachloro-m-xylene [1]		82.2	30-150					7/20/17 17:06	
Tetrachloro-m-xylene [2]		88.9	30-150					7/20/17 17:06	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0628

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-27-1

Sampled: 7/17/2017 12:22

Sample ID: 17G0628-05

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	97.0		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0628

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-27-2

Sampled: 7/17/2017 12:24

Sample ID: 17G0628-06

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	7/17/17	7/20/17 17:19	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:19	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:19	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:19	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:19	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:19	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:19	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:19	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:19	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		99.6	30-150					7/20/17 17:19	
Decachlorobiphenyl [2]		96.8	30-150					7/20/17 17:19	
Tetrachloro-m-xylene [1]		74.0	30-150					7/20/17 17:19	
Tetrachloro-m-xylene [2]		80.5	30-150					7/20/17 17:19	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0628

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-27-2

Sampled: 7/17/2017 12:24

Sample ID: 17G0628-06

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.5		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0628

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-27-3

Sampled: 7/17/2017 12:26

Sample ID: 17G0628-07

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	7/17/17	7/20/17 17:31	TG
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:31	TG
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:31	TG
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:31	TG
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:31	TG
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:31	TG
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:31	TG
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:31	TG
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:31	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		96.0	30-150					7/20/17 17:31	
Decachlorobiphenyl [2]		100	30-150					7/20/17 17:31	
Tetrachloro-m-xylene [1]		76.2	30-150					7/20/17 17:31	
Tetrachloro-m-xylene [2]		82.6	30-150					7/20/17 17:31	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0628

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-27-3

Sampled: 7/17/2017 12:26

Sample ID: 17G0628-07

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.6		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0628

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-10-1

Sampled: 7/17/2017 12:31

Sample ID: 17G0628-08

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	7/17/17	7/20/17 17:43	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:43	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:43	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:43	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:43	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:43	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:43	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:43	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 17:43	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		94.3	30-150					7/20/17 17:43	
Decachlorobiphenyl [2]		96.7	30-150					7/20/17 17:43	
Tetrachloro-m-xylene [1]		75.6	30-150					7/20/17 17:43	
Tetrachloro-m-xylene [2]		83.1	30-150					7/20/17 17:43	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0628

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-10-1

Sampled: 7/17/2017 12:31

Sample ID: 17G0628-08

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	93.6		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0628

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-10-2

Sampled: 7/17/2017 12:32

Sample ID: 17G0628-09

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	7/17/17	7/20/17 18:32	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 18:32	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 18:32	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 18:32	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 18:32	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 18:32	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 18:32	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 18:32	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 18:32	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.6	30-150					7/20/17 18:32	
Decachlorobiphenyl [2]		85.6	30-150					7/20/17 18:32	
Tetrachloro-m-xylene [1]		70.0	30-150					7/20/17 18:32	
Tetrachloro-m-xylene [2]		76.9	30-150					7/20/17 18:32	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0628

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-10-2

Sampled: 7/17/2017 12:32

Sample ID: 17G0628-09

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.4		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0628

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-10-3

Sampled: 7/17/2017 12:33

Sample ID: 17G0628-10

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	7/17/17	7/20/17 18:44	TG
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 18:44	TG
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 18:44	TG
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 18:44	TG
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 18:44	TG
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 18:44	TG
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 18:44	TG
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 18:44	TG
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 18:44	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		96.5	30-150					7/20/17 18:44	
Decachlorobiphenyl [2]		93.0	30-150					7/20/17 18:44	
Tetrachloro-m-xylene [1]		68.8	30-150					7/20/17 18:44	
Tetrachloro-m-xylene [2]		74.1	30-150					7/20/17 18:44	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0628

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-10-3

Sampled: 7/17/2017 12:33

Sample ID: 17G0628-10

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.2		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0628

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-18-1A

Sampled: 7/17/2017 12:56

Sample ID: 17G0628-11

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	7/17/17	7/20/17 18:57	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 18:57	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 18:57	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 18:57	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 18:57	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 18:57	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 18:57	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 18:57	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 18:57	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		99.6	30-150					7/20/17 18:57	
Decachlorobiphenyl [2]		99.0	30-150					7/20/17 18:57	
Tetrachloro-m-xylene [1]		79.9	30-150					7/20/17 18:57	
Tetrachloro-m-xylene [2]		86.6	30-150					7/20/17 18:57	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0628

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-18-1A

Sampled: 7/17/2017 12:56

Sample ID: 17G0628-11

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.9		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0628

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-18-1B

Sampled: 7/17/2017 12:57

Sample ID: 17G0628-12

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	7/21/17	7/24/17 16:01	BGL
Acenaphthylene	ND	0.21	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:01	BGL
Anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:01	BGL
Benzo(a)anthracene	0.81	0.21	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:01	BGL
Benzo(a)pyrene	0.46	0.21	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:01	BGL
Benzo(b)fluoranthene	0.75	0.21	mg/Kg dry	1	MS-09	SW-846 8270D	7/21/17	7/24/17 16:01	BGL
Benzo(g,h,i)perylene	0.44	0.21	mg/Kg dry	1	MS-09, R-06	SW-846 8270D	7/21/17	7/24/17 16:01	BGL
Benzo(k)fluoranthene	0.24	0.21	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:01	BGL
Chrysene	1.5	0.21	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:01	BGL
Dibenz(a,h)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:01	BGL
Fluoranthene	1.4	0.21	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:01	BGL
Fluorene	ND	0.21	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:01	BGL
Indeno(1,2,3-cd)pyrene	0.36	0.21	mg/Kg dry	1	MS-09, R-06	SW-846 8270D	7/21/17	7/24/17 16:01	BGL
2-Methylnaphthalene	1.2	0.21	mg/Kg dry	1	R-06	SW-846 8270D	7/21/17	7/24/17 16:01	BGL
Naphthalene	0.69	0.21	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:01	BGL
Phenanthrene	2.6	0.21	mg/Kg dry	1	R-06	SW-846 8270D	7/21/17	7/24/17 16:01	BGL
Pyrene	1.6	0.21	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:01	BGL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Nitrobenzene-d5		66.9	30-130					7/24/17 16:01	
2-Fluorobiphenyl		67.6	30-130					7/24/17 16:01	
p-Terphenyl-d14		98.4	30-130					7/24/17 16:01	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0628

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-18-1B

Sampled: 7/17/2017 12:57

Sample ID: 17G0628-12

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	80.0		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0628

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-18-2

Sampled: 7/17/2017 12:58

Sample ID: 17G0628-13

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	7/17/17	7/20/17 19:09	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:09	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:09	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:09	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:09	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:09	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:09	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:09	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:09	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		79.1	30-150					7/20/17 19:09	
Decachlorobiphenyl [2]		86.2	30-150					7/20/17 19:09	
Tetrachloro-m-xylene [1]		67.3	30-150					7/20/17 19:09	
Tetrachloro-m-xylene [2]		74.1	30-150					7/20/17 19:09	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0628

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-18-2

Sampled: 7/17/2017 12:58

Sample ID: 17G0628-13

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	88.6		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0628

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-18-3

Sampled: 7/17/2017 12:59

Sample ID: 17G0628-14

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	7/17/17	7/20/17 19:21	TG
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:21	TG
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:21	TG
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:21	TG
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:21	TG
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:21	TG
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:21	TG
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:21	TG
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:21	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		93.3	30-150					7/20/17 19:21	
Decachlorobiphenyl [2]		95.8	30-150					7/20/17 19:21	
Tetrachloro-m-xylene [1]		76.6	30-150					7/20/17 19:21	
Tetrachloro-m-xylene [2]		83.2	30-150					7/20/17 19:21	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0628

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-18-3

Sampled: 7/17/2017 12:59

Sample ID: 17G0628-14

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	79.4		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0628

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-31-1

Sampled: 7/17/2017 12:46

Sample ID: 17G0628-15

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	7/17/17	7/20/17 19:33	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:33	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:33	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:33	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:33	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:33	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:33	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:33	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:33	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		64.8	30-150					7/20/17 19:33	
Decachlorobiphenyl [2]		67.0	30-150					7/20/17 19:33	
Tetrachloro-m-xylene [1]		56.3	30-150					7/20/17 19:33	
Tetrachloro-m-xylene [2]		61.9	30-150					7/20/17 19:33	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0628

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-31-1

Sampled: 7/17/2017 12:46

Sample ID: 17G0628-15

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.6		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0628

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-31-2

Sampled: 7/17/2017 12:48

Sample ID: 17G0628-16

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	7/17/17	7/20/17 19:46	TG
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:46	TG
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:46	TG
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:46	TG
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:46	TG
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:46	TG
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:46	TG
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:46	TG
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:46	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		78.7	30-150					7/20/17 19:46	
Decachlorobiphenyl [2]		80.5	30-150					7/20/17 19:46	
Tetrachloro-m-xylene [1]		70.1	30-150					7/20/17 19:46	
Tetrachloro-m-xylene [2]		75.9	30-150					7/20/17 19:46	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0628

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-31-2

Sampled: 7/17/2017 12:48

Sample ID: 17G0628-16

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	85.2		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0628

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-31-3

Sampled: 7/17/2017 12:50

Sample ID: 17G0628-17

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	7/17/17	7/20/17 19:58	TG
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:58	TG
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:58	TG
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:58	TG
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:58	TG
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:58	TG
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:58	TG
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:58	TG
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 19:58	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		97.0	30-150					7/20/17 19:58	
Decachlorobiphenyl [2]		93.6	30-150					7/20/17 19:58	
Tetrachloro-m-xylene [1]		79.5	30-150					7/20/17 19:58	
Tetrachloro-m-xylene [2]		86.1	30-150					7/20/17 19:58	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0628

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-31-3

Sampled: 7/17/2017 12:50

Sample ID: 17G0628-17

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	86.1		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0628

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-32-1

Sampled: 7/17/2017 13:07

Sample ID: 17G0628-18

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	7/17/17	7/20/17 20:10	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:10	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:10	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:10	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:10	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:10	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:10	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:10	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:10	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		95.6	30-150					7/20/17 20:10	
Decachlorobiphenyl [2]		94.9	30-150					7/20/17 20:10	
Tetrachloro-m-xylene [1]		81.6	30-150					7/20/17 20:10	
Tetrachloro-m-xylene [2]		88.3	30-150					7/20/17 20:10	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0628

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-32-1

Sampled: 7/17/2017 13:07

Sample ID: 17G0628-18

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.2		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0628

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-32-2

Sampled: 7/17/2017 13:09

Sample ID: 17G0628-19

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	7/17/17	7/20/17 20:22	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:22	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:22	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:22	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:22	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:22	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:22	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:22	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:22	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		39.2	30-150					7/20/17 20:22	
Decachlorobiphenyl [2]		46.6	30-150					7/20/17 20:22	
Tetrachloro-m-xylene [1]		36.9	30-150					7/20/17 20:22	
Tetrachloro-m-xylene [2]		40.8	30-150					7/20/17 20:22	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0628

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-32-2

Sampled: 7/17/2017 13:09

Sample ID: 17G0628-19

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	90.2		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0628

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-32-3

Sampled: 7/17/2017 13:11

Sample ID: 17G0628-20

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	7/17/17	7/20/17 20:35	TG
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:35	TG
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:35	TG
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:35	TG
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:35	TG
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:35	TG
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:35	TG
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:35	TG
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/17/17	7/20/17 20:35	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		96.4	30-150					7/20/17 20:35	
Decachlorobiphenyl [2]		96.1	30-150					7/20/17 20:35	
Tetrachloro-m-xylene [1]		82.1	30-150					7/20/17 20:35	
Tetrachloro-m-xylene [2]		88.3	30-150					7/20/17 20:35	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0628

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-32-3

Sampled: 7/17/2017 13:11

Sample ID: 17G0628-20

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	78.6		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0628-02 [WS-AOC12W-SO-23-1B]	B182266	30.0	1.00	07/21/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17G0628-01 [WS-AOC12W-SO-23-1A]	B182096	07/20/17
17G0628-02 [WS-AOC12W-SO-23-1B]	B182096	07/20/17
17G0628-03 [WS-AOC12W-SO-23-2]	B182096	07/20/17
17G0628-04 [WS-AOC12W-SO-23-3]	B182096	07/20/17
17G0628-05 [WS-AOC12W-SO-27-1]	B182096	07/20/17
17G0628-06 [WS-AOC12W-SO-27-2]	B182096	07/20/17
17G0628-07 [WS-AOC12W-SO-27-3]	B182096	07/20/17
17G0628-08 [WS-AOC12W-SO-10-1]	B182096	07/20/17
17G0628-09 [WS-AOC12W-SO-10-2]	B182096	07/20/17
17G0628-10 [WS-AOC12W-SO-10-3]	B182096	07/20/17
17G0628-11 [WS-AOC12W-SO-18-1A]	B182096	07/20/17
17G0628-12 [WS-AOC12W-SO-18-1B]	B182096	07/20/17
17G0628-13 [WS-AOC12W-SO-18-2]	B182096	07/20/17
17G0628-14 [WS-AOC12W-SO-18-3]	B182096	07/20/17
17G0628-15 [WS-AOC12W-SO-31-1]	B182096	07/20/17
17G0628-16 [WS-AOC12W-SO-31-2]	B182096	07/20/17
17G0628-17 [WS-AOC12W-SO-31-3]	B182096	07/20/17
17G0628-18 [WS-AOC12W-SO-32-1]	B182096	07/20/17
17G0628-19 [WS-AOC12W-SO-32-2]	B182096	07/20/17
17G0628-20 [WS-AOC12W-SO-32-3]	B182096	07/20/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0628-02 [WS-AOC12W-SO-23-1B]	B182155	1.01	50.0	07/20/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0628-01 [WS-AOC12W-SO-23-1A]	B181837	10.0	10.0	07/17/17
17G0628-03 [WS-AOC12W-SO-23-2]	B181837	10.0	10.0	07/17/17
17G0628-04 [WS-AOC12W-SO-23-3]	B181837	10.0	10.0	07/17/17
17G0628-05 [WS-AOC12W-SO-27-1]	B181837	10.0	10.0	07/17/17
17G0628-06 [WS-AOC12W-SO-27-2]	B181837	10.0	10.0	07/17/17
17G0628-07 [WS-AOC12W-SO-27-3]	B181837	10.0	10.0	07/17/17
17G0628-08 [WS-AOC12W-SO-10-1]	B181837	10.0	10.0	07/17/17
17G0628-09 [WS-AOC12W-SO-10-2]	B181837	10.0	10.0	07/17/17
17G0628-10 [WS-AOC12W-SO-10-3]	B181837	10.0	10.0	07/17/17
17G0628-11 [WS-AOC12W-SO-18-1A]	B181837	10.0	10.0	07/17/17
17G0628-13 [WS-AOC12W-SO-18-2]	B181837	10.0	10.0	07/17/17
17G0628-14 [WS-AOC12W-SO-18-3]	B181837	10.0	10.0	07/17/17
17G0628-15 [WS-AOC12W-SO-31-1]	B181837	10.0	10.0	07/17/17
17G0628-16 [WS-AOC12W-SO-31-2]	B181837	10.0	10.0	07/17/17
17G0628-17 [WS-AOC12W-SO-31-3]	B181837	10.0	10.0	07/17/17
17G0628-18 [WS-AOC12W-SO-32-1]	B181837	10.0	10.0	07/17/17
17G0628-19 [WS-AOC12W-SO-32-2]	B181837	10.0	10.0	07/17/17

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

Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0628-20 [WS-AOC12W-SO-32-3]	B181837	10.0	10.0	07/17/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0628-12 [WS-AOC12W-SO-18-1B]	B182275	30.0	1.00	07/21/17

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

QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B182275 - SW-846 3546

Blank (B182275-BLK1)

Prepared: 07/21/17 Analyzed: 07/24/17

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		72.5	30-130			
Surrogate: 2-Fluorobiphenyl	2.43		mg/Kg wet	3.33		72.8	30-130			
Surrogate: p-Terphenyl-d14	2.94		mg/Kg wet	3.33		88.3	30-130			

LCS (B182275-BS1)

Prepared: 07/21/17 Analyzed: 07/24/17

Acenaphthene	1.14	0.17	mg/Kg wet	1.67		68.7	40-140			
Acenaphthylene	1.11	0.17	mg/Kg wet	1.67		66.7	40-140			
Anthracene	1.22	0.17	mg/Kg wet	1.67		73.1	40-140			
Benzo(a)anthracene	1.24	0.17	mg/Kg wet	1.67		74.2	40-140			
Benzo(a)pyrene	1.25	0.17	mg/Kg wet	1.67		75.1	40-140			
Benzo(b)fluoranthene	1.15	0.17	mg/Kg wet	1.67		69.1	40-140			
Benzo(g,h,i)perylene	1.50	0.17	mg/Kg wet	1.67		90.0	40-140			
Benzo(k)fluoranthene	1.18	0.17	mg/Kg wet	1.67		70.9	40-140			
Chrysene	1.22	0.17	mg/Kg wet	1.67		73.0	40-140			
Dibenz(a,h)anthracene	1.41	0.17	mg/Kg wet	1.67		84.5	40-140			
Fluoranthene	1.18	0.17	mg/Kg wet	1.67		70.9	40-140			
Fluorene	1.16	0.17	mg/Kg wet	1.67		69.7	40-140			
Indeno(1,2,3-cd)pyrene	1.40	0.17	mg/Kg wet	1.67		84.0	40-140			
2-Methylnaphthalene	1.12	0.17	mg/Kg wet	1.67		67.4	40-140			
Naphthalene	1.03	0.17	mg/Kg wet	1.67		61.8	40-140			
Phenanthrene	1.23	0.17	mg/Kg wet	1.67		73.7	40-140			
Pyrene	1.18	0.17	mg/Kg wet	1.67		70.8	40-140			
Surrogate: Nitrobenzene-d5	2.44		mg/Kg wet	3.33		73.1	30-130			
Surrogate: 2-Fluorobiphenyl	2.66		mg/Kg wet	3.33		79.9	30-130			
Surrogate: p-Terphenyl-d14	2.80		mg/Kg wet	3.33		84.0	30-130			

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

QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B182275 - SW-846 3546										
LCS Dup (B182275-BSD1)										
					Prepared: 07/21/17 Analyzed: 07/24/17					
Acenaphthene	1.03	0.17	mg/Kg wet	1.67		61.7	40-140	10.7	30	
Acenaphthylene	1.00	0.17	mg/Kg wet	1.67		60.2	40-140	10.2	30	
Anthracene	1.06	0.17	mg/Kg wet	1.67		63.9	40-140	13.4	30	
Benzo(a)anthracene	1.09	0.17	mg/Kg wet	1.67		65.6	40-140	12.4	30	
Benzo(a)pyrene	1.09	0.17	mg/Kg wet	1.67		65.5	40-140	13.7	30	
Benzo(b)fluoranthene	1.02	0.17	mg/Kg wet	1.67		61.1	40-140	12.3	30	
Benzo(g,h,i)perylene	1.27	0.17	mg/Kg wet	1.67		76.4	40-140	16.3	30	
Benzo(k)fluoranthene	1.02	0.17	mg/Kg wet	1.67		61.2	40-140	14.7	30	
Chrysene	1.08	0.17	mg/Kg wet	1.67		65.0	40-140	11.7	30	
Dibenz(a,h)anthracene	1.21	0.17	mg/Kg wet	1.67		72.7	40-140	15.0	30	
Fluoranthene	1.05	0.17	mg/Kg wet	1.67		63.0	40-140	11.9	30	
Fluorene	1.03	0.17	mg/Kg wet	1.67		61.8	40-140	11.9	30	
Indeno(1,2,3-cd)pyrene	1.18	0.17	mg/Kg wet	1.67		70.7	40-140	17.3	30	
2-Methylnaphthalene	1.03	0.17	mg/Kg wet	1.67		61.7	40-140	8.86	30	
Naphthalene	0.990	0.17	mg/Kg wet	1.67		59.4	40-140	4.03	30	
Phenanthrene	1.07	0.17	mg/Kg wet	1.67		64.0	40-140	14.0	30	
Pyrene	1.03	0.17	mg/Kg wet	1.67		61.9	40-140	13.3	30	
Surrogate: Nitrobenzene-d5	2.28		mg/Kg wet	3.33		68.4	30-130			
Surrogate: 2-Fluorobiphenyl	2.36		mg/Kg wet	3.33		70.8	30-130			
Surrogate: p-Terphenyl-d14	2.43		mg/Kg wet	3.33		72.8	30-130			
Matrix Spike (B182275-MS1)										
			Source: 17G0628-12		Prepared: 07/21/17 Analyzed: 07/24/17					
Acenaphthene	1.25	0.21	mg/Kg dry	2.08	ND	60.1	40-140			
Acenaphthylene	1.18	0.21	mg/Kg dry	2.08	ND	56.4	40-140			
Anthracene	1.29	0.21	mg/Kg dry	2.08	ND	62.0	40-140			
Benzo(a)anthracene	1.68	0.21	mg/Kg dry	2.08	0.812	41.9	40-140			
Benzo(a)pyrene	1.33	0.21	mg/Kg dry	2.08	0.460	41.8	40-140			
Benzo(b)fluoranthene	1.42	0.21	mg/Kg dry	2.08	0.752	31.9	* 40-140			MS-09
Benzo(g,h,i)perylene	1.08	0.21	mg/Kg dry	2.08	0.445	30.7	* 40-140			MS-09, R-06
Benzo(k)fluoranthene	1.19	0.21	mg/Kg dry	2.08	0.236	45.9	40-140			
Chrysene	1.91	0.21	mg/Kg dry	2.08	1.51	19.1	* 40-140			MS-22
Dibenz(a,h)anthracene	1.13	0.21	mg/Kg dry	2.08	0.164	46.3	40-140			
Fluoranthene	1.85	0.21	mg/Kg dry	2.08	1.41	21.3	* 40-140			MS-22
Fluorene	1.26	0.21	mg/Kg dry	2.08	ND	60.6	40-140			
Indeno(1,2,3-cd)pyrene	1.08	0.21	mg/Kg dry	2.08	0.365	34.3	* 40-140			MS-09, R-06
2-Methylnaphthalene	1.59	0.21	mg/Kg dry	2.08	1.16	20.6	* 40-140			MS-23
Naphthalene	1.41	0.21	mg/Kg dry	2.08	0.689	34.5	* 40-140			MS-22
Phenanthrene	2.32	0.21	mg/Kg dry	2.08	2.63	-14.5	* 40-140			MS-23
Pyrene	2.63	0.21	mg/Kg dry	2.08	1.58	50.8	40-140			
Surrogate: Nitrobenzene-d5	2.79		mg/Kg dry	4.17		67.0	30-130			
Surrogate: 2-Fluorobiphenyl	2.83		mg/Kg dry	4.17		67.8	30-130			
Surrogate: p-Terphenyl-d14	4.15		mg/Kg dry	4.17		99.6	30-130			

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

QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B182275 - SW-846 3546										
Matrix Spike Dup (B182275-MSD1)	Source: 17G0628-12			Prepared: 07/21/17 Analyzed: 07/24/17						
Acenaphthene	1.24	0.21	mg/Kg dry	2.08	ND	59.4	40-140	1.07	30	
Acenaphthylene	1.06	0.21	mg/Kg dry	2.08	ND	50.7	40-140	10.7	30	
Anthracene	1.24	0.21	mg/Kg dry	2.08	ND	59.5	40-140	4.18	30	
Benzo(a)anthracene	1.75	0.21	mg/Kg dry	2.08	0.812	44.8	40-140	3.57	30	
Benzo(a)pyrene	1.12	0.21	mg/Kg dry	2.08	0.460	31.8	* 40-140	16.9	30	MS-22
Benzo(b)fluoranthene	1.48	0.21	mg/Kg dry	2.08	0.752	35.0	* 40-140	4.43	30	MS-09
Benzo(g,h,i)perylene	0.757	0.21	mg/Kg dry	2.08	0.445	15.0	* 40-140	35.5	* 30	MS-09, R-06
Benzo(k)fluoranthene	1.04	0.21	mg/Kg dry	2.08	0.236	38.7	* 40-140	13.3	30	MS-22
Chrysene	2.51	0.21	mg/Kg dry	2.08	1.51	48.0	40-140	27.3	30	
Dibenz(a,h)anthracene	0.845	0.21	mg/Kg dry	2.08	0.164	32.7	* 40-140	28.7	30	MS-22
Fluoranthene	2.46	0.21	mg/Kg dry	2.08	1.41	50.7	40-140	28.5	30	
Fluorene	1.28	0.21	mg/Kg dry	2.08	ND	61.3	40-140	1.05	30	
Indeno(1,2,3-cd)pyrene	0.755	0.21	mg/Kg dry	2.08	0.365	18.7	* 40-140	35.4	* 30	MS-09, R-06
2-Methylnaphthalene	2.29	0.21	mg/Kg dry	2.08	1.16	54.3	40-140	36.3	* 30	R-06
Naphthalene	1.83	0.21	mg/Kg dry	2.08	0.689	54.9	40-140	26.2	30	
Phenanthrene	4.19	0.21	mg/Kg dry	2.08	2.63	74.9	40-140	57.2	* 30	R-06
Pyrene	3.38	0.21	mg/Kg dry	2.08	1.58	86.7	40-140	24.9	30	
Surrogate: Nitrobenzene-d5	2.76		mg/Kg dry	4.17		66.2	30-130			
Surrogate: 2-Fluorobiphenyl	2.67		mg/Kg dry	4.17		64.1	30-130			
Surrogate: p-Terphenyl-d14	4.29		mg/Kg dry	4.17		103	30-130			

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

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B181837 - SW-846 3540C										
Blank (B181837-BLK1)										
Prepared: 07/17/17 Analyzed: 07/20/17										
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	0.230		mg/Kg wet	0.200		115	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.221		mg/Kg wet	0.200		111	30-150			
Surrogate: Tetrachloro-m-xylene	0.173		mg/Kg wet	0.200		86.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.179		mg/Kg wet	0.200		89.6	30-150			
LCS (B181837-BS1)										
Prepared: 07/17/17 Analyzed: 07/20/17										
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		79.4	40-140			
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		88.2	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		79.6	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		78.9	40-140			
Surrogate: Decachlorobiphenyl	0.213		mg/Kg wet	0.200		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.205		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene	0.162		mg/Kg wet	0.200		80.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.168		mg/Kg wet	0.200		84.1	30-150			
LCS Dup (B181837-BSD1)										
Prepared: 07/17/17 Analyzed: 07/20/17										
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		80.8	40-140	1.72	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		89.9	40-140	1.86	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		85.0	40-140	6.52	30	
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		83.9	40-140	6.10	30	
Surrogate: Decachlorobiphenyl	0.226		mg/Kg wet	0.200		113	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.218		mg/Kg wet	0.200		109	30-150			
Surrogate: Tetrachloro-m-xylene	0.156		mg/Kg wet	0.200		77.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.162		mg/Kg wet	0.200		81.0	30-150			

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

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B181837 - SW-846 3540C

Matrix Spike (B181837-MS1)

Source: 17G0628-01

Prepared: 07/17/17 Analyzed: 07/20/17

Aroclor-1016	0.20	0.11	mg/Kg dry	0.222	ND	88.4	40-140			
Aroclor-1016 [2C]	0.20	0.11	mg/Kg dry	0.222	ND	91.9	40-140			
Aroclor-1260	0.18	0.11	mg/Kg dry	0.222	ND	81.8	40-140			
Aroclor-1260 [2C]	0.18	0.11	mg/Kg dry	0.222	ND	81.7	40-140			
Surrogate: Decachlorobiphenyl	0.209		mg/Kg dry	0.222		93.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.209		mg/Kg dry	0.222		93.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.171		mg/Kg dry	0.222		77.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.186		mg/Kg dry	0.222		83.6	30-150			

Matrix Spike Dup (B181837-MSD1)

Source: 17G0628-01

Prepared: 07/17/17 Analyzed: 07/20/17

Aroclor-1016	0.20	0.11	mg/Kg dry	0.222	ND	88.1	40-140	0.346	50	
Aroclor-1016 [2C]	0.20	0.11	mg/Kg dry	0.222	ND	91.3	40-140	0.644	50	
Aroclor-1260	0.18	0.11	mg/Kg dry	0.222	ND	81.7	40-140	0.190	50	
Aroclor-1260 [2C]	0.18	0.11	mg/Kg dry	0.222	ND	82.2	40-140	0.644	50	
Surrogate: Decachlorobiphenyl	0.208		mg/Kg dry	0.222		93.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.209		mg/Kg dry	0.222		93.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.168		mg/Kg dry	0.222		75.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.181		mg/Kg dry	0.222		81.4	30-150			

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

QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B182266 - SW-846 3546										
Blank (B182266-BLK1)										
					Prepared: 07/21/17 Analyzed: 07/24/17					
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	2.93		mg/Kg wet	3.33		87.9	50-150			
LCS (B182266-BS1)										
					Prepared: 07/21/17 Analyzed: 07/24/17					
CT ETPH	25.1	10	mg/Kg wet	33.3		75.3	60-120			
Surrogate: o-Terphenyl	2.65		mg/Kg wet	3.33		79.4	50-150			
LCS Dup (B182266-BSD1)										
					Prepared: 07/21/17 Analyzed: 07/24/17					
CT ETPH	23.8	10	mg/Kg wet	33.3		71.3	60-120	5.50	30	
Surrogate: o-Terphenyl	2.62		mg/Kg wet	3.33		78.5	50-150			

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

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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	

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

QUALITY CONTROL

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B182096 - % Solids										
Duplicate (B182096-DUP3)	Source: 17G0628-10			Prepared: 07/20/17 Analyzed: 07/21/17						
% Solids	81.5		% Wt		82.2			0.855	20	
Duplicate (B182096-DUP4)	Source: 17G0628-11			Prepared: 07/20/17 Analyzed: 07/21/17						
% Solids	93.6		% Wt		94.9			1.38	20	

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

SW-846 8082A

Lab Sample ID: B181837-BS1 Date(s) Analyzed: 07/20/2017 07/20/2017

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	0.18	11.8
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.16	0.0

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

LCS Dup

Lab Sample ID: B181837-BSD1 Date(s) Analyzed: 07/20/2017 07/20/2017

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	0.18	11.8
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: B181837-MS1 Date(s) Analyzed: 07/20/2017 07/20/2017

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	0.20	
	2	0.000	-0.030	0.030	0.20	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.18	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

Matrix Spike Dup

SW-846 8082A

Lab Sample ID: B181837-MSD1 Date(s) Analyzed: 07/20/2017 07/20/2017

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	0.20	
	2	0.000	-0.030	0.030	0.20	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.18	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.
MS-09	Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
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.
MS-23	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 outside of the method specified criteria. Reduced precision anticipated for any reported result for this compound.
R-06	Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

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



Phone: 413-525-2332

Fax: 413-525-6405

Email: info@contestlabs.com

http://www.contestlabs.com

Doc # 381 Rev 1_03242017

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

1790628

Company Name: Weston + Sampson
 Address: _____
 Phone: _____
 Project Name: English Station
 Project Location: New Haven
 Project Number: _____
 Project Manager: Malcolm Beeler
 Con-Test Quote Name/Number: _____
 Invoice Recipient: Malcolm Beeler
 Sampled By: _____

Requested Turnaround Time
 7-Day 10-Day
 Due Date: _____

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

Data Delivery
 Format: PDF EXCEL
 Other: _____
 CLP Like Data Pkg Required:
 Email To: _____
 Fax To #: _____

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	PCBs Soxhlet	SPLP PCBs	ETPH	SOLP ETPH	PAHs	ARSENIC
1	WS-AOC12W-SO-23-1A	7/17/17	1203		X	S	U	X					
2	WS-AOC12W-SO-23-1B		1205							X			X
3	WS-AOC12W-SO-23-2		1207					X					
4	WS-AOC12W-SO-23-3		1209					X					
5	WS-AOC12W-SO-27-1		1222					X					
6	WS-AOC12W-SO-27-2		1224					X					
7	WS-AOC12W-SO-27-3		1226					X					
8	WS-AOC12W-SO-10-1		1231					X					
9	WS-AOC12W-SO-10-2		1232					X					
10	WS-AOC12W-SO-10-3		1233		X			X					

of Containers: _____
 2 Preservation Code: _____
 3 Container Code: _____

Dissolved Metals Samples
 Field Filtered
 Lab to Filter

Orthophosphate Samples
 Field Filtered
 Lab to Filter

Comments: _____

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

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

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

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

Relinquished by: (signature) [Signature] Date/Time: 7/17/17 1515
 Received by: (signature) [Signature] Date/Time: 7/17/17 1515
 Relinquished by: (signature) [Signature] Date/Time: 7/17/17 445
 Received by: (signature) [Signature] Date/Time: 7/17/17 1645
 Relinquished by: (signature) _____ Date/Time: _____
 Received by: (signature) _____ Date/Time: _____

Detection Limit Requirements
 MA _____
 CT _____
 Other: _____

Special Requirements
 MA MCP Required
 MCP Certification Form Required
 CT RCP Required
 RCP Certification Form Required
 MA State DW Required
 PWSID # _____

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

www.contestlabs.com

NELAC and AIHA-LAP, LLC Accredited

Other
 Chromatogram
 AIHA-LAP, LLC

PCB ONLY
 Soxhlet

1760628

http://www.contestlabs.com

Doc # 381 Rev 1_03242017



Phone: 413-525-2332

Fax: 413-525-6405

Email: info@contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name: Weston & Sampson
Address: 273 Dividend Rd
Phone:
Project Name: English Station
Project Location: New Haven
Project Number:
Project Manager: Malcolm Beecher
Con-Test Quote Name/Number:
Invoice Recipient: Malcolm Beecher
Sampled By: Will Sirotnak

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

ANALYSIS REQUESTED

PCBS Soxhlet
SPLP PCBS
ETPH
SPUD ETPH
PAHS
Arsenic

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	PCBS	SPLP PCBS	ETPH	SPUD ETPH	PAHS	Arsenic
11	WS-AOC12W-SO-18-1A	7/17/17	1256		X	S	U	X					
12	WS-AOC12W-SO-18-1B		1257										
13	WS-AOC12W-SO-18-2		1258					X					
14	WS-AOC12W-SO-18-3		1259					X					
15	WS-AOC12W-SO-31-1		1246					X					
16	WS-AOC12W-SO-31-2		1248					X					
17	WS-AOC12W-SO-31-3		1250					X					
18	WS-AOC12W-SO-32-1		1307					X					
19	WS-AOC12W-SO-32-2		1309					X					
20	WS-AOC12W-SO-32-3		1311					X					

of Containers
Preservation Code
Container Code
Dissolved Metals Samples
 Field Filtered
 Lab to Filter
Orthophosphate Samples
 Field Filtered
 Lab to Filter

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

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

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

Comments:

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

Relinquished by: (signature) [Signature] 7/17/17
Date/Time: 1515
Received by: (signature) [Signature] 7/17/17
Date/Time: 1515
Relinquished by: (signature) [Signature] 7/17/17
Date/Time: 445
Received by: (signature) [Signature] 7/17/17
Date/Time: 1645
Relinquished by: (signature)
Date/Time:
Received by: (signature)
Date/Time:

Detection Limit Requirements	Special Requirements
<input type="checkbox"/> MA	<input type="checkbox"/> MA MCP Required
	<input type="checkbox"/> MCP Certification Form Required
<input type="checkbox"/> RI	<input type="checkbox"/> CT RCP Required
	<input type="checkbox"/> RCP Certification Form Required
	<input type="checkbox"/> MA State DW Required
<input type="checkbox"/> Other	PWSID #

www.contestlabs.com
NELAC and AIHA-LAP, LLC Accredited

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

Other
 Chromatogram
 AIHA-LAP, LLC

PCB ONLY
 Soxhlet

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



con-test[®]
 ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

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

Client Weston & Sampson
 Received By JM Date 7/17/13 Time 1645

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

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 5.8
 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 F 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? MA Who was notified? _____
 Are there Short Holds? MA Who was notified? _____

Is there enough Volume? F
 Is there Headspace where applicable? N/A MS/MSD? N/A
 Proper Media/Containers Used? MA Is splitting samples required? N/A
 Were trip blanks received? MA 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\A072517\A0725042.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 7/25/17
 Data File Name A0725042.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.08	469269	528199	-11
c - 10	1.43	477954	528199	-10
c - 12	2.17	431449	528199	-18
c - 14	2.84	526968	528199	0
c - 16	3.44	546472	528199	3
c - 18	4.02	544933	528199	3
o-Terphenyl	4.31	633988	528199	
c - 20	4.64	558949	528199	6
c - 22	5.16	569101	528199	8
c - 24	5.60	535615	528199	1
c - 26	6.00	566663	528199	7
c - 28	6.36	560787	528199	6
c - 30	6.70	552619	528199	5
c - 32	7.01	532601	528199	1
c - 34	7.30	527781	528199	0
c - 36	7.59	521829	528199	-1

* One compound allowed %D <= 50%

Samples

1G0678-01
 17G0678-02
 17G0938-01
 17G0803-01
 17G0639-01
 17G0639-02
 17G0754-01
 17G0780-01
 17G0784-16
 17G0784-17
 17G0784-18
 17G0784-20

D:\HPCHEM\1\DATA\A072517\A0725096.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 7/26/17
 Data File Name A0725096.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.08	434667	494774	-12
c - 10	1.43	431422	494774	-13
c - 12	2.17	456436	494774	-8
c - 14	2.84	474091	494774	-4
c - 16	3.44	492084	494774	-1
c - 18	4.02	491737	494774	-1
o-Terphenyl	4.31	572769	494774	
c - 20	4.64	506573	494774	2
c - 22	5.16	520754	494774	5
c - 24	5.60	492789	494774	0
c - 26	6.00	528658	494774	7
c - 28	6.36	527791	494774	7
c - 30	6.70	531746	494774	7
c - 32	7.01	517946	494774	5
c - 34	7.30	513504	494774	4
c - 36	7.58	501410	494774	1

* One compound allowed %D <= 50%

Samples

17G0780-02
 17G0754-02
 17G0754-03
 17G0754-04
 17G0754-05
 17G0784-01
 17G0784-02
 17G0784-05
 17G0784-06
 17G0784-07
 17G0784-08
 17G0784-09
 17G0784-10
 17G0784-11
 17G0784-12
 17G0784-13

D:\HPCHEM\1\DATA\A072517.SEC\A0725043.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 7/25/17
 Data File Name A0725043.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.14	529066	555179	-5
c - 10	1.49	534758	555179	-4
c - 12	2.22	555660	555179	0
c - 14	2.88	567316	555179	2
c - 16	3.48	576001	555179	4
c - 18	4.06	569798	555179	3
o-Terphenyl	4.35	654599	555179	
c - 20	4.67	578039	555179	4
c - 22	5.18	584712	555179	5
c - 24	5.62	543245	555179	-2
c - 26	6.01	569376	555179	3
c - 28	6.37	558962	555179	1
c - 30	6.70	552601	555179	0
c - 32	7.01	535992	555179	-3
c - 34	7.30	536320	555179	-3
c - 36	7.58	535844	555179	-3

* One compound allowed %D </= 50%

Samples

17G0755-01
 17G0626-08@5X
 17G0786-04
 17G0786-05
 17G0786-06
 17G0786-08

D:\HPCHEM\1\DATA\A072517.SEC\A0725097.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 7/26/17
 Data File Name A0725097.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.14	423007	448464	-6
c - 10	1.49	424085	448464	-5
c - 12	2.22	443558	448464	-1
c - 14	2.89	454055	448464	1
c - 16	3.48	463539	448464	3
c - 18	4.06	457315	448464	2
o-Terphenyl	4.36	523389	448464	
c - 20	4.67	464553	448464	4
c - 22	5.18	469869	448464	5
c - 24	5.62	437856	448464	-2
c - 26	6.01	460754	448464	3
c - 28	6.37	453390	448464	1
c - 30	6.70	451107	448464	1
c - 32	7.01	439832	448464	-2
c - 34	7.30	441689	448464	-2
c - 36	7.58	442356	448464	-1

* One compound allowed %D <= 50%

Samples

17G0786-12
 17G0785-01
 17G0785-02
 17G0785-03
 17G0785-04
 17G0785-07
 17G0785-13
 17G0785-14

D:\HPCHEM\1\DATA\A072517.SEC\A0725153.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 7/26/17
 Data File Name A0725153.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.14	459390	476901	-4
c - 10	1.49	457897	476901	-4
c - 12	2.22	480908	476901	1
c - 14	2.89	485375	476901	2
c - 16	3.48	493163	476901	3
c - 18	4.06	484784	476901	2
o-Terphenyl	4.36	554345	476901	
c - 20	4.67	492008	476901	3
c - 22	5.18	497228	476901	4
c - 24	5.62	462983	476901	-3
c - 26	6.01	487104	476901	2
c - 28	6.37	479218	476901	0
c - 30	6.70	476761	476901	0
c - 32	7.01	464381	476901	-3
c - 34	7.30	465959	476901	-2
c - 36	7.58	466352	476901	-2

* One compound allowed %D </= 50%

Samples

17G0628-02



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: New Haven, CT

Project Number: 17G0628

Laboratory Sample ID(s):

Sample Date(s):

17G0628-01 thru 17G0628-20

07/17/2017

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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5B	Were these reporting limits met?	<input 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: 07/26/17

Name of Laboratory: Con-Test Analytical Laboratory

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

July 26, 2017

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

Project Location: New Haven, CT
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 17G0629

Enclosed are results of analyses for samples received by the laboratory on July 17, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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

James M. Georgantas
Project Manager

Table of Contents

Sample Summary	4
Case Narrative	6
Sample Results	7
17G0629-01	7
17G0629-02	9
17G0629-03	11
17G0629-04	13
17G0629-05	15
17G0629-06	17
17G0629-07	19
17G0629-08	21
17G0629-09	23
17G0629-10	25
17G0629-11	27
17G0629-12	29
17G0629-13	31
17G0629-14	33
17G0629-15	35
17G0629-16	37
17G0629-17	39
17G0629-18	41
17G0629-19	43
17G0629-20	45
17G0629-21	47
17G0629-22	50

Table of Contents (continued)

17G0629-23	52
17G0629-24	54
17G0629-25	56
17G0629-26	58
Sample Preparation Information	60
QC Data	62
Semivolatile Organic Compounds by GC/MS	62
B182275	62
Polychlorinated Biphenyls with 3540 Soxhlet Extraction	64
B182065	64
B182066	65
Petroleum Hydrocarbons Analyses	67
B182266	67
Metals Analyses (Total)	68
B182155	68
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)	69
B182096	69
Flag/Qualifier Summary	70
Certifications	71
Chain of Custody/Sample Receipt	73

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: 7/26/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G0629

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

PROJECT LOCATION: New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC12W-SO-21-1	17G0629-01	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-21-2	17G0629-02	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-21-3	17G0629-03	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-25-1	17G0629-04	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-25-2	17G0629-05	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-25-3	17G0629-06	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-28-1A	17G0629-07	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-28-1B	17G0629-08	Soil		SM 2540G SW-846 8270D	
WS-AOC12W-SO-28-2	17G0629-09	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-28-3	17G0629-10	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-24-1	17G0629-11	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-24-2	17G0629-12	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-24-3	17G0629-13	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-20-1	17G0629-14	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-20-2	17G0629-15	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-20-3	17G0629-16	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-29-1	17G0629-17	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-29-2	17G0629-18	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-29-3	17G0629-19	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-33-1A	17G0629-20	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: 7/26/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G0629

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

PROJECT LOCATION: New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC12W-SO-33-1B	17G0629-21	Soil		CTDEP ETPH SM 2540G SW-846 6010C-D	
WS-AOC12W-SO-Dup-1	17G0629-22	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-Dup-2	17G0629-23	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-Dup-3	17G0629-24	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-33-2	17G0629-25	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-33-3	17G0629-26	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.

For method 6010, only As was 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**

17G0629-21[WS-AOC12W-SO-33-1B]

SW-846 8082A**Qualifications:****R-06**

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:**Aroclor-1016**

17G0629-04[WS-AOC12W-SO-25-1], B182066-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: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-21-1

Sampled: 7/17/2017 13:14

Sample ID: 17G0629-01

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 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 16:17	JMB
Aroclor-1221 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 16:17	JMB
Aroclor-1232 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 16:17	JMB
Aroclor-1242 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 16:17	JMB
Aroclor-1248 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 16:17	JMB
Aroclor-1254 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 16:17	JMB
Aroclor-1260 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 16:17	JMB
Aroclor-1262 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 16:17	JMB
Aroclor-1268 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 16:17	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		67.8	30-150					7/21/17 16:17	
Decachlorobiphenyl [2]		75.8	30-150					7/21/17 16:17	
Tetrachloro-m-xylene [1]		54.0	30-150					7/21/17 16:17	
Tetrachloro-m-xylene [2]		64.1	30-150					7/21/17 16:17	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-21-1

Sampled: 7/17/2017 13:14

Sample ID: 17G0629-01

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	84.0		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-21-2

Sampled: 7/17/2017 13:15

Sample ID: 17G0629-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 16:34	JMB
Aroclor-1221 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 16:34	JMB
Aroclor-1232 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 16:34	JMB
Aroclor-1242 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 16:34	JMB
Aroclor-1248 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 16:34	JMB
Aroclor-1254 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 16:34	JMB
Aroclor-1260 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 16:34	JMB
Aroclor-1262 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 16:34	JMB
Aroclor-1268 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 16:34	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		85.9	30-150					7/21/17 16:34	
Decachlorobiphenyl [2]		88.3	30-150					7/21/17 16:34	
Tetrachloro-m-xylene [1]		69.3	30-150					7/21/17 16:34	
Tetrachloro-m-xylene [2]		76.7	30-150					7/21/17 16:34	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-21-2

Sampled: 7/17/2017 13:15

Sample ID: 17G0629-02

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	84.6		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-21-3

Sampled: 7/17/2017 13:16

Sample ID: 17G0629-03

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 [2]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 16:52	JMB
Aroclor-1221 [2]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 16:52	JMB
Aroclor-1232 [2]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 16:52	JMB
Aroclor-1242 [2]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 16:52	JMB
Aroclor-1248 [2]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 16:52	JMB
Aroclor-1254 [2]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 16:52	JMB
Aroclor-1260 [2]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 16:52	JMB
Aroclor-1262 [2]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 16:52	JMB
Aroclor-1268 [2]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 16:52	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		94.1	30-150					7/21/17 16:52	
Decachlorobiphenyl [2]		91.3	30-150					7/21/17 16:52	
Tetrachloro-m-xylene [1]		65.4	30-150					7/21/17 16:52	
Tetrachloro-m-xylene [2]		70.6	30-150					7/21/17 16:52	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-21-3

Sampled: 7/17/2017 13:16

Sample ID: 17G0629-03

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	72.3		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-25-1

Sampled: 7/17/2017 13:32

Sample ID: 17G0629-04

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 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 17:09	JMB
Aroclor-1221 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 17:09	JMB
Aroclor-1232 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 17:09	JMB
Aroclor-1242 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 17:09	JMB
Aroclor-1248 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 17:09	JMB
Aroclor-1254 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 17:09	JMB
Aroclor-1260 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 17:09	JMB
Aroclor-1262 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 17:09	JMB
Aroclor-1268 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 17:09	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		93.0	30-150					7/21/17 17:09	
Decachlorobiphenyl [2]		92.7	30-150					7/21/17 17:09	
Tetrachloro-m-xylene [1]		69.4	30-150					7/21/17 17:09	
Tetrachloro-m-xylene [2]		75.4	30-150					7/21/17 17:09	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-25-1

Sampled: 7/17/2017 13:32

Sample ID: 17G0629-04

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.2		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-25-2

Sampled: 7/17/2017 13:33

Sample ID: 17G0629-05

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 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 17:26	JMB
Aroclor-1221 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 17:26	JMB
Aroclor-1232 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 17:26	JMB
Aroclor-1242 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 17:26	JMB
Aroclor-1248 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 17:26	JMB
Aroclor-1254 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 17:26	JMB
Aroclor-1260 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 17:26	JMB
Aroclor-1262 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 17:26	JMB
Aroclor-1268 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 17:26	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		72.0	30-150					7/21/17 17:26	
Decachlorobiphenyl [2]		73.8	30-150					7/21/17 17:26	
Tetrachloro-m-xylene [1]		58.4	30-150					7/21/17 17:26	
Tetrachloro-m-xylene [2]		64.4	30-150					7/21/17 17:26	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-25-2

Sampled: 7/17/2017 13:33

Sample ID: 17G0629-05

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.8		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-25-3

Sampled: 7/17/2017 13:34

Sample ID: 17G0629-06

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 [2]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 17:44	JMB
Aroclor-1221 [2]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 17:44	JMB
Aroclor-1232 [2]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 17:44	JMB
Aroclor-1242 [2]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 17:44	JMB
Aroclor-1248 [2]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 17:44	JMB
Aroclor-1254 [2]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 17:44	JMB
Aroclor-1260 [2]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 17:44	JMB
Aroclor-1262 [2]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 17:44	JMB
Aroclor-1268 [2]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 17:44	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		95.3	30-150					7/21/17 17:44	
Decachlorobiphenyl [2]		95.0	30-150					7/21/17 17:44	
Tetrachloro-m-xylene [1]		74.4	30-150					7/21/17 17:44	
Tetrachloro-m-xylene [2]		80.3	30-150					7/21/17 17:44	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-25-3

Sampled: 7/17/2017 13:34

Sample ID: 17G0629-06

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	65.1		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-28-1A

Sampled: 7/17/2017 13:38

Sample ID: 17G0629-07

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 [2]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 18:01	JMB
Aroclor-1221 [2]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 18:01	JMB
Aroclor-1232 [2]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 18:01	JMB
Aroclor-1242 [2]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 18:01	JMB
Aroclor-1248 [2]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 18:01	JMB
Aroclor-1254 [2]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 18:01	JMB
Aroclor-1260 [2]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 18:01	JMB
Aroclor-1262 [2]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 18:01	JMB
Aroclor-1268 [2]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 18:01	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		99.9	30-150					7/21/17 18:01	
Decachlorobiphenyl [2]		97.5	30-150					7/21/17 18:01	
Tetrachloro-m-xylene [1]		73.1	30-150					7/21/17 18:01	
Tetrachloro-m-xylene [2]		78.8	30-150					7/21/17 18:01	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-28-1A

Sampled: 7/17/2017 13:38

Sample ID: 17G0629-07

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	96.3		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-28-1B

Sampled: 7/17/2017 13:40

Sample ID: 17G0629-08

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	7/21/17	7/24/17 16:23	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:23	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:23	BGL
Benzo(a)anthracene	0.48	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:23	BGL
Benzo(a)pyrene	0.27	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:23	BGL
Benzo(b)fluoranthene	0.48	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:23	BGL
Benzo(g,h,i)perylene	0.25	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:23	BGL
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:23	BGL
Chrysene	0.94	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:23	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:23	BGL
Fluoranthene	0.77	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:23	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:23	BGL
Indeno(1,2,3-cd)pyrene	0.23	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:23	BGL
2-Methylnaphthalene	0.81	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:23	BGL
Naphthalene	0.39	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:23	BGL
Phenanthrene	1.6	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:23	BGL
Pyrene	0.83	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:23	BGL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Nitrobenzene-d5		71.7	30-130					7/24/17 16:23	
2-Fluorobiphenyl		74.5	30-130					7/24/17 16:23	
p-Terphenyl-d14		97.3	30-130					7/24/17 16:23	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-28-1B

Sampled: 7/17/2017 13:40

Sample ID: 17G0629-08

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.3		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-28-2

Sampled: 7/17/2017 13:42

Sample ID: 17G0629-09

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 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 18:18	JMB
Aroclor-1221 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 18:18	JMB
Aroclor-1232 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 18:18	JMB
Aroclor-1242 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 18:18	JMB
Aroclor-1248 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 18:18	JMB
Aroclor-1254 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 18:18	JMB
Aroclor-1260 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 18:18	JMB
Aroclor-1262 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 18:18	JMB
Aroclor-1268 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 18:18	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		89.0	30-150					7/21/17 18:18	
Decachlorobiphenyl [2]		89.2	30-150					7/21/17 18:18	
Tetrachloro-m-xylene [1]		66.7	30-150					7/21/17 18:18	
Tetrachloro-m-xylene [2]		72.4	30-150					7/21/17 18:18	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-28-2

Sampled: 7/17/2017 13:42

Sample ID: 17G0629-09

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.6		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-28-3

Sampled: 7/17/2017 13:44

Sample ID: 17G0629-10

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 [2]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 19:23	JMB
Aroclor-1221 [2]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 19:23	JMB
Aroclor-1232 [2]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 19:23	JMB
Aroclor-1242 [2]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 19:23	JMB
Aroclor-1248 [2]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 19:23	JMB
Aroclor-1254 [2]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 19:23	JMB
Aroclor-1260 [2]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 19:23	JMB
Aroclor-1262 [2]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 19:23	JMB
Aroclor-1268 [2]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 19:23	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		94.7	30-150					7/21/17 19:23	
Decachlorobiphenyl [2]		91.3	30-150					7/21/17 19:23	
Tetrachloro-m-xylene [1]		64.6	30-150					7/21/17 19:23	
Tetrachloro-m-xylene [2]		69.6	30-150					7/21/17 19:23	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-28-3

Sampled: 7/17/2017 13:44

Sample ID: 17G0629-10

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	77.8		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-24-1

Sampled: 7/17/2017 13:46

Sample ID: 17G0629-11

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 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 19:40	JMB
Aroclor-1221 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 19:40	JMB
Aroclor-1232 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 19:40	JMB
Aroclor-1242 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 19:40	JMB
Aroclor-1248 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 19:40	JMB
Aroclor-1254 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 19:40	JMB
Aroclor-1260 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 19:40	JMB
Aroclor-1262 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 19:40	JMB
Aroclor-1268 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 19:40	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		89.5	30-150					7/21/17 19:40	
Decachlorobiphenyl [2]		88.9	30-150					7/21/17 19:40	
Tetrachloro-m-xylene [1]		67.9	30-150					7/21/17 19:40	
Tetrachloro-m-xylene [2]		73.6	30-150					7/21/17 19:40	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-24-1

Sampled: 7/17/2017 13:46

Sample ID: 17G0629-11

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.2		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-24-2

Sampled: 7/17/2017 13:47

Sample ID: 17G0629-12

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 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 19:57	JMB
Aroclor-1221 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 19:57	JMB
Aroclor-1232 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 19:57	JMB
Aroclor-1242 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 19:57	JMB
Aroclor-1248 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 19:57	JMB
Aroclor-1254 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 19:57	JMB
Aroclor-1260 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 19:57	JMB
Aroclor-1262 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 19:57	JMB
Aroclor-1268 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 19:57	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		93.5	30-150					7/21/17 19:57	
Decachlorobiphenyl [2]		90.1	30-150					7/21/17 19:57	
Tetrachloro-m-xylene [1]		70.6	30-150					7/21/17 19:57	
Tetrachloro-m-xylene [2]		75.9	30-150					7/21/17 19:57	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-24-2

Sampled: 7/17/2017 13:47

Sample ID: 17G0629-12

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.3		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-24-3

Sampled: 7/17/2017 13:49

Sample ID: 17G0629-13

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 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 20:15	JMB
Aroclor-1221 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 20:15	JMB
Aroclor-1232 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 20:15	JMB
Aroclor-1242 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 20:15	JMB
Aroclor-1248 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 20:15	JMB
Aroclor-1254 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 20:15	JMB
Aroclor-1260 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 20:15	JMB
Aroclor-1262 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 20:15	JMB
Aroclor-1268 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 20:15	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		94.7	30-150					7/21/17 20:15	
Decachlorobiphenyl [2]		98.6	30-150					7/21/17 20:15	
Tetrachloro-m-xylene [1]		73.8	30-150					7/21/17 20:15	
Tetrachloro-m-xylene [2]		82.1	30-150					7/21/17 20:15	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-24-3

Sampled: 7/17/2017 13:49

Sample ID: 17G0629-13

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	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-20-1

Sampled: 7/17/2017 13:56

Sample ID: 17G0629-14

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 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 20:32	JMB
Aroclor-1221 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 20:32	JMB
Aroclor-1232 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 20:32	JMB
Aroclor-1242 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 20:32	JMB
Aroclor-1248 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 20:32	JMB
Aroclor-1254 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 20:32	JMB
Aroclor-1260 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 20:32	JMB
Aroclor-1262 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 20:32	JMB
Aroclor-1268 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 20:32	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		99.3	30-150					7/21/17 20:32	
Decachlorobiphenyl [2]		99.8	30-150					7/21/17 20:32	
Tetrachloro-m-xylene [1]		74.6	30-150					7/21/17 20:32	
Tetrachloro-m-xylene [2]		80.9	30-150					7/21/17 20:32	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-20-1

Sampled: 7/17/2017 13:56

Sample ID: 17G0629-14

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	94.9		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-20-2

Sampled: 7/17/2017 13:58

Sample ID: 17G0629-15

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 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 20:49	JMB
Aroclor-1221 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 20:49	JMB
Aroclor-1232 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 20:49	JMB
Aroclor-1242 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 20:49	JMB
Aroclor-1248 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 20:49	JMB
Aroclor-1254 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 20:49	JMB
Aroclor-1260 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 20:49	JMB
Aroclor-1262 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 20:49	JMB
Aroclor-1268 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 20:49	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		102	30-150					7/21/17 20:49	
Decachlorobiphenyl [2]		97.5	30-150					7/21/17 20:49	
Tetrachloro-m-xylene [1]		82.8	30-150					7/21/17 20:49	
Tetrachloro-m-xylene [2]		88.4	30-150					7/21/17 20:49	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-20-2

Sampled: 7/17/2017 13:58

Sample ID: 17G0629-15

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	82.8		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-20-3

Sampled: 7/17/2017 14:00

Sample ID: 17G0629-16

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 [2]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 21:06	JMB
Aroclor-1221 [2]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 21:06	JMB
Aroclor-1232 [2]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 21:06	JMB
Aroclor-1242 [2]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 21:06	JMB
Aroclor-1248 [2]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 21:06	JMB
Aroclor-1254 [2]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 21:06	JMB
Aroclor-1260 [2]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 21:06	JMB
Aroclor-1262 [2]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 21:06	JMB
Aroclor-1268 [2]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 21:06	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		103	30-150					7/21/17 21:06	
Decachlorobiphenyl [2]		101	30-150					7/21/17 21:06	
Tetrachloro-m-xylene [1]		78.0	30-150					7/21/17 21:06	
Tetrachloro-m-xylene [2]		84.0	30-150					7/21/17 21:06	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-20-3

Sampled: 7/17/2017 14:00

Sample ID: 17G0629-16

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	77.0		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-29-1

Sampled: 7/17/2017 14:01

Sample ID: 17G0629-17

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 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 21:24	JMB
Aroclor-1221 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 21:24	JMB
Aroclor-1232 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 21:24	JMB
Aroclor-1242 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 21:24	JMB
Aroclor-1248 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 21:24	JMB
Aroclor-1254 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 21:24	JMB
Aroclor-1260 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 21:24	JMB
Aroclor-1262 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 21:24	JMB
Aroclor-1268 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 21:24	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		89.0	30-150					7/21/17 21:24	
Decachlorobiphenyl [2]		91.6	30-150					7/21/17 21:24	
Tetrachloro-m-xylene [1]		72.8	30-150					7/21/17 21:24	
Tetrachloro-m-xylene [2]		79.6	30-150					7/21/17 21:24	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-29-1

Sampled: 7/17/2017 14:01

Sample ID: 17G0629-17

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	93.5		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-29-2

Sampled: 7/17/2017 14:02

Sample ID: 17G0629-18

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 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 21:41	JMB
Aroclor-1221 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 21:41	JMB
Aroclor-1232 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 21:41	JMB
Aroclor-1242 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 21:41	JMB
Aroclor-1248 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 21:41	JMB
Aroclor-1254 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 21:41	JMB
Aroclor-1260 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 21:41	JMB
Aroclor-1262 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 21:41	JMB
Aroclor-1268 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 21:41	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		85.8	30-150					7/21/17 21:41	
Decachlorobiphenyl [2]		86.1	30-150					7/21/17 21:41	
Tetrachloro-m-xylene [1]		70.3	30-150					7/21/17 21:41	
Tetrachloro-m-xylene [2]		76.9	30-150					7/21/17 21:41	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-29-2

Sampled: 7/17/2017 14:02

Sample ID: 17G0629-18

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.4		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-29-3

Sampled: 7/17/2017 14:03

Sample ID: 17G0629-19

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 [2]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 21:58	JMB
Aroclor-1221 [2]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 21:58	JMB
Aroclor-1232 [2]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 21:58	JMB
Aroclor-1242 [2]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 21:58	JMB
Aroclor-1248 [2]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 21:58	JMB
Aroclor-1254 [2]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 21:58	JMB
Aroclor-1260 [2]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 21:58	JMB
Aroclor-1262 [2]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 21:58	JMB
Aroclor-1268 [2]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 21:58	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		103	30-150					7/21/17 21:58	
Decachlorobiphenyl [2]		97.4	30-150					7/21/17 21:58	
Tetrachloro-m-xylene [1]		75.1	30-150					7/21/17 21:58	
Tetrachloro-m-xylene [2]		80.6	30-150					7/21/17 21:58	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-29-3

Sampled: 7/17/2017 14:03

Sample ID: 17G0629-19

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	79.6		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-33-1A

Sampled: 7/17/2017 14:12

Sample ID: 17G0629-20

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 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 22:16	JMB
Aroclor-1221 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 22:16	JMB
Aroclor-1232 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 22:16	JMB
Aroclor-1242 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 22:16	JMB
Aroclor-1248 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 22:16	JMB
Aroclor-1254 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 22:16	JMB
Aroclor-1260 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 22:16	JMB
Aroclor-1262 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 22:16	JMB
Aroclor-1268 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 22:16	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		96.0	30-150					7/21/17 22:16	
Decachlorobiphenyl [2]		93.0	30-150					7/21/17 22:16	
Tetrachloro-m-xylene [1]		69.9	30-150					7/21/17 22:16	
Tetrachloro-m-xylene [2]		75.1	30-150					7/21/17 22:16	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-33-1A

Sampled: 7/17/2017 14:12

Sample ID: 17G0629-20

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.2		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-33-1B

Sampled: 7/17/2017 14:13

Sample ID: 17G0629-21

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	6600	1100	mg/Kg dry	100		CTDEP ETPH	7/21/17	7/26/17 13:33	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		*	50-150		S-01			7/26/17 13:33	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-33-1B

Sampled: 7/17/2017 14:13

Sample ID: 17G0629-21

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	16	2.8	mg/Kg dry	1		SW-846 6010C-D	7/20/17	7/24/17 5:09	QNW

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-33-1B

Sampled: 7/17/2017 14:13

Sample ID: 17G0629-21

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.5		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

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

Sampled: 7/17/2017 00:00

Sample ID: 17G0629-22

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 22:33	JMB
Aroclor-1221 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 22:33	JMB
Aroclor-1232 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 22:33	JMB
Aroclor-1242 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 22:33	JMB
Aroclor-1248 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 22:33	JMB
Aroclor-1254 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 22:33	JMB
Aroclor-1260 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 22:33	JMB
Aroclor-1262 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 22:33	JMB
Aroclor-1268 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 22:33	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		89.8	30-150					7/21/17 22:33	
Decachlorobiphenyl [2]		89.8	30-150					7/21/17 22:33	
Tetrachloro-m-xylene [1]		70.6	30-150					7/21/17 22:33	
Tetrachloro-m-xylene [2]		76.4	30-150					7/21/17 22:33	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

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

Sampled: 7/17/2017 00:00

Sample ID: 17G0629-22

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.1		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

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

Sampled: 7/17/2017 00:00

Sample ID: 17G0629-23

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 12:10	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 12:10	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 12:10	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 12:10	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 12:10	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 12:10	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 12:10	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 12:10	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 12:10	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		82.3	30-150					7/21/17 12:10	
Decachlorobiphenyl [2]		88.4	30-150					7/21/17 12:10	
Tetrachloro-m-xylene [1]		81.7	30-150					7/21/17 12:10	
Tetrachloro-m-xylene [2]		84.0	30-150					7/21/17 12:10	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

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

Sampled: 7/17/2017 00:00

Sample ID: 17G0629-23

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.6		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

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

Sampled: 7/17/2017 00:00

Sample ID: 17G0629-24

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 12:22	PJG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 12:22	PJG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 12:22	PJG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 12:22	PJG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 12:22	PJG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 12:22	PJG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 12:22	PJG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 12:22	PJG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 12:22	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		75.9	30-150					7/21/17 12:22	
Decachlorobiphenyl [2]		83.3	30-150					7/21/17 12:22	
Tetrachloro-m-xylene [1]		77.6	30-150					7/21/17 12:22	
Tetrachloro-m-xylene [2]		79.1	30-150					7/21/17 12:22	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

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

Sampled: 7/17/2017 00:00

Sample ID: 17G0629-24

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.2		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-33-2

Sampled: 7/17/2017 14:14

Sample ID: 17G0629-25

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 12:35	PJG
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 12:35	PJG
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 12:35	PJG
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 12:35	PJG
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 12:35	PJG
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 12:35	PJG
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 12:35	PJG
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 12:35	PJG
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 12:35	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		59.4	30-150					7/21/17 12:35	
Decachlorobiphenyl [2]		64.5	30-150					7/21/17 12:35	
Tetrachloro-m-xylene [1]		59.7	30-150					7/21/17 12:35	
Tetrachloro-m-xylene [2]		61.7	30-150					7/21/17 12:35	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-33-2

Sampled: 7/17/2017 14:14

Sample ID: 17G0629-25

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.3		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-33-3

Sampled: 7/17/2017 14:15

Sample ID: 17G0629-26

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 12:48	PJG
Aroclor-1221 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 12:48	PJG
Aroclor-1232 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 12:48	PJG
Aroclor-1242 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 12:48	PJG
Aroclor-1248 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 12:48	PJG
Aroclor-1254 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 12:48	PJG
Aroclor-1260 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 12:48	PJG
Aroclor-1262 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 12:48	PJG
Aroclor-1268 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/19/17	7/21/17 12:48	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.0	30-150					7/21/17 12:48	
Decachlorobiphenyl [2]		90.5	30-150					7/21/17 12:48	
Tetrachloro-m-xylene [1]		80.7	30-150					7/21/17 12:48	
Tetrachloro-m-xylene [2]		82.5	30-150					7/21/17 12:48	

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

Project Location: New Haven, CT

Sample Description:

Work Order: 17G0629

Date Received: 7/17/2017

Field Sample #: WS-AOC12W-SO-33-3

Sampled: 7/17/2017 14:15

Sample ID: 17G0629-26

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	65.5		% Wt	1		SM 2540G	7/20/17	7/21/17 7:45	MRL

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0629-21 [WS-AOC12W-SO-33-1B]	B182266	30.0	1.00	07/21/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17G0629-01 [WS-AOC12W-SO-21-1]	B182096	07/20/17
17G0629-02 [WS-AOC12W-SO-21-2]	B182096	07/20/17
17G0629-03 [WS-AOC12W-SO-21-3]	B182096	07/20/17
17G0629-04 [WS-AOC12W-SO-25-1]	B182096	07/20/17
17G0629-05 [WS-AOC12W-SO-25-2]	B182096	07/20/17
17G0629-06 [WS-AOC12W-SO-25-3]	B182096	07/20/17
17G0629-07 [WS-AOC12W-SO-28-1A]	B182096	07/20/17
17G0629-08 [WS-AOC12W-SO-28-1B]	B182096	07/20/17
17G0629-09 [WS-AOC12W-SO-28-2]	B182096	07/20/17
17G0629-10 [WS-AOC12W-SO-28-3]	B182096	07/20/17
17G0629-11 [WS-AOC12W-SO-24-1]	B182096	07/20/17
17G0629-12 [WS-AOC12W-SO-24-2]	B182096	07/20/17
17G0629-13 [WS-AOC12W-SO-24-3]	B182096	07/20/17
17G0629-14 [WS-AOC12W-SO-20-1]	B182096	07/20/17
17G0629-15 [WS-AOC12W-SO-20-2]	B182096	07/20/17
17G0629-16 [WS-AOC12W-SO-20-3]	B182096	07/20/17
17G0629-17 [WS-AOC12W-SO-29-1]	B182096	07/20/17
17G0629-18 [WS-AOC12W-SO-29-2]	B182096	07/20/17
17G0629-19 [WS-AOC12W-SO-29-3]	B182096	07/20/17
17G0629-20 [WS-AOC12W-SO-33-1A]	B182096	07/20/17
17G0629-21 [WS-AOC12W-SO-33-1B]	B182096	07/20/17
17G0629-22 [WS-AOC12W-SO-Dup-1]	B182096	07/20/17
17G0629-23 [WS-AOC12W-SO-Dup-2]	B182096	07/20/17
17G0629-24 [WS-AOC12W-SO-Dup-3]	B182096	07/20/17
17G0629-25 [WS-AOC12W-SO-33-2]	B182096	07/20/17
17G0629-26 [WS-AOC12W-SO-33-3]	B182096	07/20/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0629-21 [WS-AOC12W-SO-33-1B]	B182155	1.03	50.0	07/20/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0629-23 [WS-AOC12W-SO-Dup-2]	B182065	10.0	10.0	07/19/17
17G0629-24 [WS-AOC12W-SO-Dup-3]	B182065	10.0	10.0	07/19/17
17G0629-25 [WS-AOC12W-SO-33-2]	B182065	10.0	10.0	07/19/17
17G0629-26 [WS-AOC12W-SO-33-3]	B182065	10.0	10.0	07/19/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0629-01 [WS-AOC12W-SO-21-1]	B182066	10.0	10.0	07/19/17
17G0629-02 [WS-AOC12W-SO-21-2]	B182066	10.0	10.0	07/19/17

Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0629-03 [WS-AOC12W-SO-21-3]	B182066	10.0	10.0	07/19/17
17G0629-04 [WS-AOC12W-SO-25-1]	B182066	10.0	10.0	07/19/17
17G0629-05 [WS-AOC12W-SO-25-2]	B182066	10.0	10.0	07/19/17
17G0629-06 [WS-AOC12W-SO-25-3]	B182066	10.0	10.0	07/19/17
17G0629-07 [WS-AOC12W-SO-28-1A]	B182066	10.0	10.0	07/19/17
17G0629-09 [WS-AOC12W-SO-28-2]	B182066	10.0	10.0	07/19/17
17G0629-10 [WS-AOC12W-SO-28-3]	B182066	10.0	10.0	07/19/17
17G0629-11 [WS-AOC12W-SO-24-1]	B182066	10.0	10.0	07/19/17
17G0629-12 [WS-AOC12W-SO-24-2]	B182066	10.0	10.0	07/19/17
17G0629-13 [WS-AOC12W-SO-24-3]	B182066	10.0	10.0	07/19/17
17G0629-14 [WS-AOC12W-SO-20-1]	B182066	10.0	10.0	07/19/17
17G0629-15 [WS-AOC12W-SO-20-2]	B182066	10.0	10.0	07/19/17
17G0629-16 [WS-AOC12W-SO-20-3]	B182066	10.0	10.0	07/19/17
17G0629-17 [WS-AOC12W-SO-29-1]	B182066	10.0	10.0	07/19/17
17G0629-18 [WS-AOC12W-SO-29-2]	B182066	10.0	10.0	07/19/17
17G0629-19 [WS-AOC12W-SO-29-3]	B182066	10.0	10.0	07/19/17
17G0629-20 [WS-AOC12W-SO-33-1A]	B182066	10.0	10.0	07/19/17
17G0629-22 [WS-AOC12W-SO-Dup-1]	B182066	10.0	10.0	07/19/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0629-08 [WS-AOC12W-SO-28-1B]	B182275	30.0	1.00	07/21/17

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

QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B182275 - SW-846 3546

Blank (B182275-BLK1)

Prepared: 07/21/17 Analyzed: 07/24/17

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		72.5	30-130			
Surrogate: 2-Fluorobiphenyl	2.43		mg/Kg wet	3.33		72.8	30-130			
Surrogate: p-Terphenyl-d14	2.94		mg/Kg wet	3.33		88.3	30-130			

LCS (B182275-BS1)

Prepared: 07/21/17 Analyzed: 07/24/17

Acenaphthene	1.14	0.17	mg/Kg wet	1.67		68.7	40-140			
Acenaphthylene	1.11	0.17	mg/Kg wet	1.67		66.7	40-140			
Anthracene	1.22	0.17	mg/Kg wet	1.67		73.1	40-140			
Benzo(a)anthracene	1.24	0.17	mg/Kg wet	1.67		74.2	40-140			
Benzo(a)pyrene	1.25	0.17	mg/Kg wet	1.67		75.1	40-140			
Benzo(b)fluoranthene	1.15	0.17	mg/Kg wet	1.67		69.1	40-140			
Benzo(g,h,i)perylene	1.50	0.17	mg/Kg wet	1.67		90.0	40-140			
Benzo(k)fluoranthene	1.18	0.17	mg/Kg wet	1.67		70.9	40-140			
Chrysene	1.22	0.17	mg/Kg wet	1.67		73.0	40-140			
Dibenz(a,h)anthracene	1.41	0.17	mg/Kg wet	1.67		84.5	40-140			
Fluoranthene	1.18	0.17	mg/Kg wet	1.67		70.9	40-140			
Fluorene	1.16	0.17	mg/Kg wet	1.67		69.7	40-140			
Indeno(1,2,3-cd)pyrene	1.40	0.17	mg/Kg wet	1.67		84.0	40-140			
2-Methylnaphthalene	1.12	0.17	mg/Kg wet	1.67		67.4	40-140			
Naphthalene	1.03	0.17	mg/Kg wet	1.67		61.8	40-140			
Phenanthrene	1.23	0.17	mg/Kg wet	1.67		73.7	40-140			
Pyrene	1.18	0.17	mg/Kg wet	1.67		70.8	40-140			
Surrogate: Nitrobenzene-d5	2.44		mg/Kg wet	3.33		73.1	30-130			
Surrogate: 2-Fluorobiphenyl	2.66		mg/Kg wet	3.33		79.9	30-130			
Surrogate: p-Terphenyl-d14	2.80		mg/Kg wet	3.33		84.0	30-130			

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

QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B182275 - SW-846 3546										
LCS Dup (B182275-BSD1)										
					Prepared: 07/21/17 Analyzed: 07/24/17					
Acenaphthene	1.03	0.17	mg/Kg wet	1.67		61.7	40-140	10.7	30	
Acenaphthylene	1.00	0.17	mg/Kg wet	1.67		60.2	40-140	10.2	30	
Anthracene	1.06	0.17	mg/Kg wet	1.67		63.9	40-140	13.4	30	
Benzo(a)anthracene	1.09	0.17	mg/Kg wet	1.67		65.6	40-140	12.4	30	
Benzo(a)pyrene	1.09	0.17	mg/Kg wet	1.67		65.5	40-140	13.7	30	
Benzo(b)fluoranthene	1.02	0.17	mg/Kg wet	1.67		61.1	40-140	12.3	30	
Benzo(g,h,i)perylene	1.27	0.17	mg/Kg wet	1.67		76.4	40-140	16.3	30	
Benzo(k)fluoranthene	1.02	0.17	mg/Kg wet	1.67		61.2	40-140	14.7	30	
Chrysene	1.08	0.17	mg/Kg wet	1.67		65.0	40-140	11.7	30	
Dibenz(a,h)anthracene	1.21	0.17	mg/Kg wet	1.67		72.7	40-140	15.0	30	
Fluoranthene	1.05	0.17	mg/Kg wet	1.67		63.0	40-140	11.9	30	
Fluorene	1.03	0.17	mg/Kg wet	1.67		61.8	40-140	11.9	30	
Indeno(1,2,3-cd)pyrene	1.18	0.17	mg/Kg wet	1.67		70.7	40-140	17.3	30	
2-Methylnaphthalene	1.03	0.17	mg/Kg wet	1.67		61.7	40-140	8.86	30	
Naphthalene	0.990	0.17	mg/Kg wet	1.67		59.4	40-140	4.03	30	
Phenanthrene	1.07	0.17	mg/Kg wet	1.67		64.0	40-140	14.0	30	
Pyrene	1.03	0.17	mg/Kg wet	1.67		61.9	40-140	13.3	30	
Surrogate: Nitrobenzene-d5	2.28		mg/Kg wet	3.33		68.4	30-130			
Surrogate: 2-Fluorobiphenyl	2.36		mg/Kg wet	3.33		70.8	30-130			
Surrogate: p-Terphenyl-d14	2.43		mg/Kg wet	3.33		72.8	30-130			

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

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B182065 - SW-846 3540C										
Blank (B182065-BLK1)										
Prepared: 07/19/17 Analyzed: 07/21/17										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.158		mg/Kg wet	0.200		79.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.172		mg/Kg wet	0.200		86.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.158		mg/Kg wet	0.200		79.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.164		mg/Kg wet	0.200		82.1	30-150			
LCS (B182065-BS1)										
Prepared: 07/19/17 Analyzed: 07/21/17										
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		79.6	40-140			
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.200		82.2	40-140			
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		73.6	40-140			
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		74.2	40-140			
Surrogate: Decachlorobiphenyl	0.174		mg/Kg wet	0.200		87.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.191		mg/Kg wet	0.200		95.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.167		mg/Kg wet	0.200		83.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.173		mg/Kg wet	0.200		86.6	30-150			
LCS Dup (B182065-BSD1)										
Prepared: 07/19/17 Analyzed: 07/21/17										
Aroclor-1016	0.15	0.020	mg/Kg wet	0.200		74.6	40-140	6.47	30	
Aroclor-1016 [2C]	0.15	0.020	mg/Kg wet	0.200		75.7	40-140	8.25	30	
Aroclor-1260	0.13	0.020	mg/Kg wet	0.200		65.9	40-140	11.0	30	
Aroclor-1260 [2C]	0.14	0.020	mg/Kg wet	0.200		68.2	40-140	8.44	30	
Surrogate: Decachlorobiphenyl	0.156		mg/Kg wet	0.200		78.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.170		mg/Kg wet	0.200		85.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.162		mg/Kg wet	0.200		81.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.168		mg/Kg wet	0.200		84.2	30-150			

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

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B182066 - SW-846 3540C										
Blank (B182066-BLK1)										
Prepared: 07/19/17 Analyzed: 07/21/17										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.215		mg/Kg wet	0.200		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.207		mg/Kg wet	0.200		104	30-150			
Surrogate: Tetrachloro-m-xylene	0.157		mg/Kg wet	0.200		78.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.163		mg/Kg wet	0.200		81.3	30-150			
LCS (B182066-BS1)										
Prepared: 07/19/17 Analyzed: 07/21/17										
Aroclor-1016	0.15	0.020	mg/Kg wet	0.200		73.1	40-140			
Aroclor-1016 [2C]	0.15	0.020	mg/Kg wet	0.200		77.5	40-140			
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		72.9	40-140			
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		73.3	40-140			
Surrogate: Decachlorobiphenyl	0.210		mg/Kg wet	0.200		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.200		mg/Kg wet	0.200		100	30-150			
Surrogate: Tetrachloro-m-xylene	0.156		mg/Kg wet	0.200		77.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.161		mg/Kg wet	0.200		80.5	30-150			
LCS Dup (B182066-BSD1)										
Prepared: 07/19/17 Analyzed: 07/21/17										
Aroclor-1016	0.15	0.020	mg/Kg wet	0.200		74.6	40-140	2.05	30	
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.200		78.3	40-140	1.08	30	
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		73.8	40-140	1.29	30	
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		74.4	40-140	1.48	30	
Surrogate: Decachlorobiphenyl	0.215		mg/Kg wet	0.200		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.205		mg/Kg wet	0.200		102	30-150			
Surrogate: Tetrachloro-m-xylene	0.156		mg/Kg wet	0.200		77.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.162		mg/Kg wet	0.200		80.8	30-150			

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

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B182066 - SW-846 3540C

Matrix Spike (B182066-MS1)

Source: 17G0629-04

Prepared: 07/19/17 Analyzed: 07/21/17

Aroclor-1016	0.11	0.11	mg/Kg dry	0.215	ND	51.7	40-140			
Aroclor-1016 [2C]	0.13	0.11	mg/Kg dry	0.215	ND	58.3	40-140			
Aroclor-1260	0.11	0.11	mg/Kg dry	0.215	ND	51.0	40-140			
Aroclor-1260 [2C]	0.11	0.11	mg/Kg dry	0.215	ND	52.1	40-140			
Surrogate: Decachlorobiphenyl	0.140		mg/Kg dry	0.215		65.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.143		mg/Kg dry	0.215		66.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.115		mg/Kg dry	0.215		53.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.122		mg/Kg dry	0.215		56.7	30-150			

Matrix Spike Dup (B182066-MSD1)

Source: 17G0629-04

Prepared: 07/19/17 Analyzed: 07/21/17

Aroclor-1016	0.19	0.11	mg/Kg dry	0.215	ND	90.9	40-140	54.9	*	50	R-06
Aroclor-1016 [2C]	0.18	0.11	mg/Kg dry	0.215	ND	83.0	40-140	35.1		50	
Aroclor-1260	0.15	0.11	mg/Kg dry	0.215	ND	71.4	40-140	33.4		50	
Aroclor-1260 [2C]	0.16	0.11	mg/Kg dry	0.215	ND	73.5	40-140	34.0		50	
Surrogate: Decachlorobiphenyl	0.190		mg/Kg dry	0.215		88.4	30-150				
Surrogate: Decachlorobiphenyl [2C]	0.187		mg/Kg dry	0.215		87.3	30-150				
Surrogate: Tetrachloro-m-xylene	0.165		mg/Kg dry	0.215		77.0	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	0.173		mg/Kg dry	0.215		80.4	30-150				

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

QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B182266 - SW-846 3546										
Blank (B182266-BLK1)										
					Prepared: 07/21/17 Analyzed: 07/24/17					
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	2.93		mg/Kg wet	3.33		87.9	50-150			
LCS (B182266-BS1)										
					Prepared: 07/21/17 Analyzed: 07/24/17					
CT ETPH	25.1	10	mg/Kg wet	33.3		75.3	60-120			
Surrogate: o-Terphenyl	2.65		mg/Kg wet	3.33		79.4	50-150			
LCS Dup (B182266-BSD1)										
					Prepared: 07/21/17 Analyzed: 07/24/17					
CT ETPH	23.8	10	mg/Kg wet	33.3		71.3	60-120	5.50	30	
Surrogate: o-Terphenyl	2.62		mg/Kg wet	3.33		78.5	50-150			

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

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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	

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

QUALITY CONTROL

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B182096 - % Solids										
Duplicate (B182096-DUP5)		Source: 17G0629-03			Prepared: 07/20/17 Analyzed: 07/21/17					
% Solids	71.8		% Wt		72.3			0.694	20	
Duplicate (B182096-DUP6)		Source: 17G0629-04			Prepared: 07/20/17 Analyzed: 07/21/17					
% Solids	94.8		% Wt		93.2			1.70	20	
Duplicate (B182096-DUP7)		Source: 17G0629-20			Prepared: 07/20/17 Analyzed: 07/21/17					
% Solids	92.3		% Wt		93.2			0.970	20	

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

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
R-06	Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
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

39 Spruce Street
East Longmeadow, MA 01028

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



Company Name: WTS
Address:
Phone:
Project Name: English Station
Project Location:
Project Number:
Project Manager: Malcolm Becker
Con-Test Quote Name/Number:
Invoice Recipient: Malcolm Becker
Sampled By: Will Sirotnak

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

of Containers
Preservation Code
Container Code
Dissolved Metals Samples
 Field Filtered
 Lab to Filter
Orthophosphate Samples
 Field Filtered
 Lab to Filter

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

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

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

PCB ONLY
 Soxhlet
 Non Soxhlet

Con-Test Work Order#	Client Sample ID/Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	ANALYSIS REQUESTED
1	WS-AOC12W-S0-21-1	7/17/17	1314		X	S	U	RSB Soxhlet ETRH SPRP ETRH PATS Arsenic
2	WS-AOC12W-S0-21-2		1315					
3	WS-AOC12W-S0-21-3		1316					
4	WS-AOC12W-S0-25-1		1332					
5	WS-AOC12W-S0-25-2		1333					
6	WS-AOC12W-S0-25-3		1334					
7	WS-AOC12W-S0-28-1A		1338					
8	WS-AOC12W-S0-28-1B		1340					
9	WS-AOC12W-S0-28-2		1342					
10	WS-AOC12W-S0-28-3		1344					

Comments: Run WS-AOC12W-S0-25-1 AS Matrix Spike duplicate
Please hold extra volume for future SRP analysis

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

Detection Limit Requirements: MA, CT, Other
Special Requirements: MA MCP Required, MCP Certification Form Required, CT RCP Required, RCP Certification Form Required, MA State DW Required, PWISID #

Project Entity: Government, Federal, City, Municipality, 21 J, Brownfield, MMWA, School, MBTA, WRTA, Chromatogram, AIHA-LAP, LLC

NEIAC and AIHA-LAP, LLC Accredited
www.contestlabs.com

Relinquished by: (signature)	Date/Time: 7/17/17	Date/Time: 1515
Received by: (signature)	Date/Time: 7/17/17	Date/Time: 1515
Relinquished by: (signature)	Date/Time: 7/17/17	Date/Time: 1645
Received by: (signature)	Date/Time: 7/17/17	Date/Time: 1645
Relinquished by: (signature)	Date/Time:	Date/Time:
Received by: (signature)	Date/Time:	Date/Time:



1760629
http://www.contestlabs.com
CHAIN OF CUSTODY RECORD

Requested Turnaround Time: 7-Day 10-Day

Due Date: _____

Rush Approval Required: 1-Day 3-Day

2-Day 4-Day

Data Delivery: EXCEL

Format: PDF EXCEL

Other: _____

CLP Like Data Pkg Required:

Email To: _____

Fax To #: _____

Company Name: **con-test**
Address: _____

Project Name: Eng+SH Station

Project Location: _____

Project Number: _____

Project Manager: Malcolm Becker

Con-Test Quote Name/Number: _____

Invoice Recipient: Malcolm Becker

Sampled By: WVS

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
11	WS-AOC12W-50-24-1	7/17/17	1346		X	S	V
12	WS-AOC12W-50-24-2		1347				
13	WS-AOC12W-50-24-3		1349				
14	WS-AOC12W-50-20-1		1356				
15	WS-AOC12W-50-20-2		1358				
16	WS-AOC12W-50-20-3		1400				
17	WS-AOC12W-50-29-1		1401				
18	WS-AOC12W-50-29-2		1402				
19	WS-AOC12W-50-29-3		1403				
20	WS-AOC12W-50-33-1A		1412				

ANALYSIS REQUESTED

SPRP PCBs							
SPRP TPH							
PAHs							
Arsenic							

Comments: Please hold extra volume for future SPRP analysis

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

Relinquished by: (signature) _____ Date/Time: 7/17/17 1515

Received by: (signature) _____ Date/Time: 7/17/17 1515

Relinquished by: (signature) _____ Date/Time: 7/17/17 945

Received by: (signature) _____ Date/Time: 7/17/17 1645

Relinquished by: (signature) _____ Date/Time: _____

Received by: (signature) _____ Date/Time: _____

www.contestlabs.com

MA State DW Required

MA State DW Required

PWSID # _____

Special Requirements: MA MCP Required MCP Certification Form Required CT RCP Required RCP Certification Form Required

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

of Containers: _____

Preservation Code: _____

Container Code: _____

Dissolved Metals Samples

Field Filtered

Lab to Filter

Orthophosphate Samples

Field Filtered

Lab to Filter

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

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

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

PCB ONLY

Soxhlet

Non Soxhlet



Company Name: WPS
Address: English Station
Phone: Malcolm Beeler
Project Name: Malcolm Beeler
Project Location: Malcolm Beeler
Project Number:
Project Manager:
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By:

Requested Turnaround Time: 7-Day 10-Day

Due Date:

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

Data Delivery: EXCEL

Format: PDF EXCEL

Other:

CLP Like Data Pkg Required:

Email To:

Fax To #:

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
21	WS-AOC12W-SU-33-1B	7/17/17	1413	X	S	U	
22	WS-AOC12W-SU-DUP-1						
23	WS-AOC12W-SU-DUP-2						
24	WS-AOC12W-SU-DUP-3						
25	WS-AOC12W-SU-33-2		1414				
26	WS-AOC12W-SU-33-3		1415				

Comments:

Please hold extra volume for SLP analysis (future)

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

Reinquisitioned by: (signature)	Date/Time: 7/17/17	1515
Received by: (signature)	Date/Time: 7/17/15	
Reinquisitioned by: (signature)	Date/Time: 7/17/17	445
Received by: (signature)	Date/Time: 7/17/17	645
Reinquisitioned by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

www.contestlabs.com

Detection Limits Requirements: MA CT Other

Special Requirements: MA MCP Required MCP Certification Form Required CT RCP Required RCP Certification Form Required MA State DW Required PWSID #

Project Entity: Government Federal City Municipality 21 J Brownfield WRTA MMWA School MBTA Other Chromatogram AIHA-LAP, LLC

MA-LAP and AIHA-LAP, LLC Accredited

# of Containers	2 Preservation Code	3 Container Code

ANALYSIS REQUESTED

SLP PCBs
SLP ESTH
SLP ESTPH
PAHS
Arsenic

1 Matrix Codes:	2 Preservation Codes:	3 Container Codes:
GW = Ground Water WW = Waste Water DW = Drinking Water A = Air S = Soil SL = Sludge SOL = Solid O = Other (please define)	I = Iced H = HCL M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium Bisulfate X = Sodium Hydroxide T = Sodium Thiosulfate O = Other (please define)	A = Amber Glass G = Glass P = Plastic ST = Sterile V = Vial S = Summa Canister T = Tedlar Bag O = Other (please define)

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 7/17/12 Time 1645

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

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 5.8
 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? N/A
 Proper Media/Containers Used? N/A 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: New Haven, CT

Project Number: 17G0629

Laboratory Sample ID(s):

Sample Date(s):

17G0629-01 thru 17G0629-26

07/17/2017

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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5B	Were these reporting limits met?	<input 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: 07/26/17

Name of Laboratory: Con-Test Analytical Laboratory

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

July 28, 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: 17G0681

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

Table of Contents

Sample Summary	4
Case Narrative	6
Sample Results	7
17G0681-01	7
17G0681-02	9
17G0681-03	11
17G0681-04	13
17G0681-05	15
17G0681-06	17
17G0681-07	20
17G0681-08	22
17G0681-09	24
17G0681-10	26
17G0681-11	28
17G0681-12	30
17G0681-13	32
17G0681-14	34
17G0681-15	36
17G0681-16	38
17G0681-17	40
17G0681-18	42
17G0681-19	44
17G0681-20	46
Sample Preparation Information	50
QC Data	52

Table of Contents (continued)

Semivolatile Organic Compounds by GC/MS	52
B182275	52
Polycyclic Aromatic Hydrocarbons by Soxhlet Extraction	54
B182257	54
Petroleum Hydrocarbons Analyses	56
B182388	56
Metals Analyses (Total)	57
B182155	57
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)	58
B182352	58
Dual Column RPD Report	59
Flag/Qualifier Summary	63
Certifications	64
Chain of Custody/Sample Receipt	66

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: 7/28/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G0681

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-22-1	17G0681-01	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-22-2	17G0681-02	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-22-3	17G0681-03	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-DUP-4	17G0681-04	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-5-1A	17G0681-05	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-5-1B	17G0681-06	Soil		CTDEP ETPH SM 2540G SW-846 6010C-D	
WS-AOC12W-SO-5-2	17G0681-07	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-5-3	17G0681-08	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-19-1 (MS)	17G0681-09	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-19-2	17G0681-10	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-19-3	17G0681-11	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-2-1A	17G0681-12	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-2-1B	17G0681-13	Soil		SM 2540G SW-846 8270D	
WS-AOC12W-SO-2-2	17G0681-14	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-2-3	17G0681-15	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-15-1	17G0681-16	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-15-2	17G0681-17	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-15-3	17G0681-18	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-11-1A	17G0681-19	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: 7/28/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G0681

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-11-1B	17G0681-20	Soil		CTDEP ETPH SM 2540G SW-846 6010C-D SW-846 8270D	

CASE NARRATIVE SUMMARY

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

For method 8270, only PAHs were requested and reported.

For method 6010, only As was 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**

17G0681-06[WS-AOC12W-SO-5-1B], 17G0681-20[WS-AOC12W-SO-11-1B]

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 & Samples(s) Qualified:**Aroclor-1260 [2C]**

B182257-BLK1

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: 17G0681

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-22-1

Sampled: 7/18/2017 10:16

Sample ID: 17G0681-01

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	7/21/17	7/26/17 16:08	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 16:08	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 16:08	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 16:08	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 16:08	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 16:08	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 16:08	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 16:08	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 16:08	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		81.7	30-150					7/26/17 16:08	
Decachlorobiphenyl [2]		98.5	30-150					7/26/17 16:08	
Tetrachloro-m-xylene [1]		86.0	30-150					7/26/17 16:08	
Tetrachloro-m-xylene [2]		94.1	30-150					7/26/17 16:08	

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: 17G0681

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-22-1

Sampled: 7/18/2017 10:16

Sample ID: 17G0681-01

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.5		% 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: 17G0681

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-22-2

Sampled: 7/18/2017 10:17

Sample ID: 17G0681-02

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 16:20	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 16:20	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 16:20	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 16:20	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 16:20	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 16:20	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 16:20	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 16:20	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 16:20	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		72.5	30-150					7/26/17 16:20	
Decachlorobiphenyl [2]		86.6	30-150					7/26/17 16:20	
Tetrachloro-m-xylene [1]		77.9	30-150					7/26/17 16:20	
Tetrachloro-m-xylene [2]		82.3	30-150					7/26/17 16:20	

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

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

Sample Description:

Work Order: 17G0681

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-22-2

Sampled: 7/18/2017 10:17

Sample ID: 17G0681-02

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.1		% 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: 17G0681

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-22-3

Sampled: 7/18/2017 10:18

Sample ID: 17G0681-03

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	0.22	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 16:33	JMB
Aroclor-1221 [1]	ND	0.22	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 16:33	JMB
Aroclor-1232 [1]	ND	0.22	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 16:33	JMB
Aroclor-1242 [1]	ND	0.22	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 16:33	JMB
Aroclor-1248 [1]	ND	0.22	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 16:33	JMB
Aroclor-1254 [1]	ND	0.22	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 16:33	JMB
Aroclor-1260 [1]	ND	0.22	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 16:33	JMB
Aroclor-1262 [1]	ND	0.22	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 16:33	JMB
Aroclor-1268 [1]	ND	0.22	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 16:33	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		79.4	30-150					7/26/17 16:33	
Decachlorobiphenyl [2]		95.4	30-150					7/26/17 16:33	
Tetrachloro-m-xylene [1]		90.8	30-150					7/26/17 16:33	
Tetrachloro-m-xylene [2]		99.0	30-150					7/26/17 16:33	

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: 17G0681

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-22-3

Sampled: 7/18/2017 10:18

Sample ID: 17G0681-03

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	46.2		% 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: 17G0681

Date Received: 7/18/2017

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

Sampled: 7/18/2017 00:00

Sample ID: 17G0681-04

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	7/21/17	7/26/17 16:45	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 16:45	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 16:45	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 16:45	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 16:45	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 16:45	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 16:45	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 16:45	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 16:45	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		61.4	30-150					7/26/17 16:45	
Decachlorobiphenyl [2]		72.3	30-150					7/26/17 16:45	
Tetrachloro-m-xylene [1]		84.0	30-150					7/26/17 16:45	
Tetrachloro-m-xylene [2]		88.2	30-150					7/26/17 16:45	

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: 17G0681

Date Received: 7/18/2017

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

Sampled: 7/18/2017 00:00

Sample ID: 17G0681-04

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	95.8		% 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: 17G0681

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-5-1A

Sampled: 7/18/2017 10:30

Sample ID: 17G0681-05

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	7/21/17	7/26/17 16:57	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 16:57	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 16:57	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 16:57	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 16:57	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 16:57	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 16:57	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 16:57	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 16:57	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		50.7	30-150					7/26/17 16:57	
Decachlorobiphenyl [2]		58.2	30-150					7/26/17 16:57	
Tetrachloro-m-xylene [1]		84.7	30-150					7/26/17 16:57	
Tetrachloro-m-xylene [2]		93.4	30-150					7/26/17 16:57	

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

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

Sample Description:

Work Order: 17G0681

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-5-1A

Sampled: 7/18/2017 10:30

Sample ID: 17G0681-05

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	93.3		% 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: 17G0681

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-5-1B

Sampled: 7/18/2017 10:32

Sample ID: 17G0681-06

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	700	230	mg/Kg dry	20		CTDEP ETPH	7/24/17	7/28/17 9:21	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		*	50-150		S-01			7/28/17 9:21	

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

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

Sample Description:

Work Order: 17G0681

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-5-1B

Sampled: 7/18/2017 10:32

Sample ID: 17G0681-06

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	220	2.9	mg/Kg dry	1		SW-846 6010C-D	7/20/17	7/24/17 5:29	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: 17G0681

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-5-1B

Sampled: 7/18/2017 10:32

Sample ID: 17G0681-06

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.2		% Wt	1		SM 2540G	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: 17G0681

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-5-2

Sampled: 7/18/2017 10:34

Sample ID: 17G0681-07

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	7/21/17	7/26/17 17:10	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 17:10	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 17:10	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 17:10	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 17:10	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 17:10	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 17:10	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 17:10	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 17:10	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		57.0	30-150					7/26/17 17:10	
Decachlorobiphenyl [2]		66.4	30-150					7/26/17 17:10	
Tetrachloro-m-xylene [1]		91.3	30-150					7/26/17 17:10	
Tetrachloro-m-xylene [2]		93.9	30-150					7/26/17 17:10	

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: 17G0681

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-5-2

Sampled: 7/18/2017 10:34

Sample ID: 17G0681-07

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.9		% 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: 17G0681

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-5-3

Sampled: 7/18/2017 10:36

Sample ID: 17G0681-08

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	0.15	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 17:22	JMB
Aroclor-1221 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 17:22	JMB
Aroclor-1232 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 17:22	JMB
Aroclor-1242 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 17:22	JMB
Aroclor-1248 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 17:22	JMB
Aroclor-1254 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 17:22	JMB
Aroclor-1260 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 17:22	JMB
Aroclor-1262 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 17:22	JMB
Aroclor-1268 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 17:22	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		50.0	30-150					7/26/17 17:22	
Decachlorobiphenyl [2]		58.4	30-150					7/26/17 17:22	
Tetrachloro-m-xylene [1]		78.0	30-150					7/26/17 17:22	
Tetrachloro-m-xylene [2]		78.1	30-150					7/26/17 17:22	

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: 17G0681

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-5-3

Sampled: 7/18/2017 10:36

Sample ID: 17G0681-08

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	68.3		% 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: 17G0681

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-19-1 (MS)

Sampled: 7/18/2017 10:38

Sample ID: 17G0681-09

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	7/21/17	7/26/17 17:35	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 17:35	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 17:35	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 17:35	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 17:35	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 17:35	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 17:35	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 17:35	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 17:35	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		50.8	30-150					7/26/17 17:35	
Decachlorobiphenyl [2]		57.0	30-150					7/26/17 17:35	
Tetrachloro-m-xylene [1]		75.8	30-150					7/26/17 17:35	
Tetrachloro-m-xylene [2]		81.0	30-150					7/26/17 17:35	

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: 17G0681

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-19-1 (MS)

Sampled: 7/18/2017 10:38

Sample ID: 17G0681-09

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	94.5		% 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: 17G0681

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-19-2

Sampled: 7/18/2017 10:39

Sample ID: 17G0681-10

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	7/21/17	7/26/17 17:47	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 17:47	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 17:47	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 17:47	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 17:47	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 17:47	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 17:47	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 17:47	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 17:47	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		58.5	30-150					7/26/17 17:47	
Decachlorobiphenyl [2]		65.0	30-150					7/26/17 17:47	
Tetrachloro-m-xylene [1]		78.6	30-150					7/26/17 17:47	
Tetrachloro-m-xylene [2]		76.6	30-150					7/26/17 17:47	

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: 17G0681

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-19-2

Sampled: 7/18/2017 10:39

Sample ID: 17G0681-10

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.6		% Wt	1		SM 2540G	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: 17G0681

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-19-3

Sampled: 7/18/2017 10:40

Sample ID: 17G0681-11

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	7/21/17	7/26/17 18:37	JMB
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 18:37	JMB
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 18:37	JMB
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 18:37	JMB
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 18:37	JMB
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 18:37	JMB
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 18:37	JMB
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 18:37	JMB
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 18:37	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		56.0	30-150					7/26/17 18:37	
Decachlorobiphenyl [2]		61.5	30-150					7/26/17 18:37	
Tetrachloro-m-xylene [1]		85.2	30-150					7/26/17 18:37	
Tetrachloro-m-xylene [2]		91.7	30-150					7/26/17 18:37	

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: 17G0681

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-19-3

Sampled: 7/18/2017 10:40

Sample ID: 17G0681-11

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	77.0		% 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: 17G0681

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-2-1A

Sampled: 7/18/2017 10:54

Sample ID: 17G0681-12

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	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 18:49	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 18:49	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 18:49	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 18:49	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 18:49	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 18:49	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 18:49	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 18:49	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 18:49	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		62.2	30-150					7/26/17 18:49	
Decachlorobiphenyl [2]		69.5	30-150					7/26/17 18:49	
Tetrachloro-m-xylene [1]		83.0	30-150					7/26/17 18:49	
Tetrachloro-m-xylene [2]		87.4	30-150					7/26/17 18:49	

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

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

Sample Description:

Work Order: 17G0681

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-2-1A

Sampled: 7/18/2017 10:54

Sample ID: 17G0681-12

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.3		% 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: 17G0681

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-2-1B

Sampled: 7/18/2017 10:56

Sample ID: 17G0681-13

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	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:44	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:44	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:44	BGL
Benzo(a)anthracene	0.36	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:44	BGL
Benzo(a)pyrene	0.27	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:44	BGL
Benzo(b)fluoranthene	0.42	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:44	BGL
Benzo(g,h,i)perylene	0.26	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:44	BGL
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:44	BGL
Chrysene	0.59	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:44	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:44	BGL
Fluoranthene	0.64	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:44	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:44	BGL
Indeno(1,2,3-cd)pyrene	0.25	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:44	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:44	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:44	BGL
Phenanthrene	0.57	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:44	BGL
Pyrene	0.69	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 16:44	BGL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Nitrobenzene-d5		65.2	30-130					7/24/17 16:44	
2-Fluorobiphenyl		69.8	30-130					7/24/17 16:44	
p-Terphenyl-d14		84.8	30-130					7/24/17 16:44	

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: 17G0681

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-2-1B

Sampled: 7/18/2017 10:56

Sample ID: 17G0681-13

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.2		% 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: 17G0681

Date Received: 7/18/2017

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

Sampled: 7/18/2017 10:58

Sample ID: 17G0681-14

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	7/21/17	7/26/17 19:02	JMB
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:02	JMB
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:02	JMB
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:02	JMB
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:02	JMB
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:02	JMB
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:02	JMB
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:02	JMB
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:02	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		57.1	30-150					7/26/17 19:02	
Decachlorobiphenyl [2]		62.6	30-150					7/26/17 19:02	
Tetrachloro-m-xylene [1]		81.1	30-150					7/26/17 19:02	
Tetrachloro-m-xylene [2]		87.0	30-150					7/26/17 19:02	

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

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

Sample Description:

Work Order: 17G0681

Date Received: 7/18/2017

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

Sampled: 7/18/2017 10:58

Sample ID: 17G0681-14

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	71.4		% 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: 17G0681

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-2-3

Sampled: 7/18/2017 11:00

Sample ID: 17G0681-15

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	0.19	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:14	JMB
Aroclor-1221 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:14	JMB
Aroclor-1232 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:14	JMB
Aroclor-1242 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:14	JMB
Aroclor-1248 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:14	JMB
Aroclor-1254 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:14	JMB
Aroclor-1260 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:14	JMB
Aroclor-1262 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:14	JMB
Aroclor-1268 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:14	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		62.9	30-150					7/26/17 19:14	
Decachlorobiphenyl [2]		68.5	30-150					7/26/17 19:14	
Tetrachloro-m-xylene [1]		86.0	30-150					7/26/17 19:14	
Tetrachloro-m-xylene [2]		92.4	30-150					7/26/17 19:14	

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: 17G0681

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-2-3

Sampled: 7/18/2017 11:00

Sample ID: 17G0681-15

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	52.3		% 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: 17G0681

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-15-1

Sampled: 7/18/2017 11:01

Sample ID: 17G0681-16

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:27	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:27	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:27	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:27	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:27	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:27	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:27	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:27	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:27	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		68.7	30-150					7/26/17 19:27	
Decachlorobiphenyl [2]		74.1	30-150					7/26/17 19:27	
Tetrachloro-m-xylene [1]		99.6	30-150					7/26/17 19:27	
Tetrachloro-m-xylene [2]		76.7	30-150					7/26/17 19:27	

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

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

Sample Description:

Work Order: 17G0681

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-15-1

Sampled: 7/18/2017 11:01

Sample ID: 17G0681-16

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	95.6		% 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: 17G0681

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-15-2

Sampled: 7/18/2017 11:02

Sample ID: 17G0681-17

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	7/21/17	7/26/17 19:39	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:39	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:39	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:39	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:39	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:39	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:39	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:39	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:39	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		54.1	30-150					7/26/17 19:39	
Decachlorobiphenyl [2]		60.9	30-150					7/26/17 19:39	
Tetrachloro-m-xylene [1]		62.3	30-150					7/26/17 19:39	
Tetrachloro-m-xylene [2]		64.4	30-150					7/26/17 19:39	

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: 17G0681

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-15-2

Sampled: 7/18/2017 11:02

Sample ID: 17G0681-17

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.8		% Wt	1		SM 2540G	7/24/17	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: 17G0681

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-15-3

Sampled: 7/18/2017 11:03

Sample ID: 17G0681-18

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	0.14	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:52	JMB
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:52	JMB
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:52	JMB
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:52	JMB
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:52	JMB
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:52	JMB
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:52	JMB
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:52	JMB
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:52	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		66.6	30-150					7/26/17 19:52	
Decachlorobiphenyl [2]		72.5	30-150					7/26/17 19:52	
Tetrachloro-m-xylene [1]		78.0	30-150					7/26/17 19:52	
Tetrachloro-m-xylene [2]		83.5	30-150					7/26/17 19:52	

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

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

Sample Description:

Work Order: 17G0681

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-15-3

Sampled: 7/18/2017 11:03

Sample ID: 17G0681-18

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	72.8		% 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: 17G0681

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-11-1A

Sampled: 7/18/2017 11:15

Sample ID: 17G0681-19

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	7/21/17	7/26/17 20:04	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 20:04	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 20:04	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 20:04	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 20:04	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 20:04	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 20:04	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 20:04	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 20:04	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		71.5	30-150					7/26/17 20:04	
Decachlorobiphenyl [2]		78.3	30-150					7/26/17 20:04	
Tetrachloro-m-xylene [1]		87.5	30-150					7/26/17 20:04	
Tetrachloro-m-xylene [2]		95.3	30-150					7/26/17 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: 17G0681

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-11-1A

Sampled: 7/18/2017 11:15

Sample ID: 17G0681-19

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.9		% 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: 17G0681

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-11-1B

Sampled: 7/18/2017 11:16

Sample ID: 17G0681-20

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	7/21/17	7/24/17 17:06	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 17:06	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 17:06	BGL
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 17:06	BGL
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 17:06	BGL
Benzo(b)fluoranthene	0.21	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 17:06	BGL
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 17:06	BGL
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 17:06	BGL
Chrysene	0.63	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 17:06	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 17:06	BGL
Fluoranthene	0.30	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 17:06	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 17:06	BGL
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 17:06	BGL
2-Methylnaphthalene	0.97	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 17:06	BGL
Naphthalene	0.50	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 17:06	BGL
Phenanthrene	1.3	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 17:06	BGL
Pyrene	0.38	0.19	mg/Kg dry	1		SW-846 8270D	7/21/17	7/24/17 17:06	BGL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Nitrobenzene-d5		76.3	30-130					7/24/17 17:06	
2-Fluorobiphenyl		74.3	30-130					7/24/17 17:06	
p-Terphenyl-d14		111	30-130					7/24/17 17:06	

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

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

Sample Description:

Work Order: 17G0681

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-11-1B

Sampled: 7/18/2017 11:16

Sample ID: 17G0681-20

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	790	220	mg/Kg dry	20		CTDEP ETPH	7/24/17	7/28/17 5:19	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		*	50-150		S-01			7/28/17 5:19	

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: 17G0681

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-11-1B

Sampled: 7/18/2017 11:16

Sample ID: 17G0681-20

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	15	2.6	mg/Kg dry	1		SW-846 6010C-D	7/20/17	7/24/17 5:33	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: 17G0681

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-11-1B

Sampled: 7/18/2017 11:16

Sample ID: 17G0681-20

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

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0681-06 [WS-AOC12W-SO-5-1B]	B182388	30.0	1.00	07/24/17
17G0681-20 [WS-AOC12W-SO-11-1B]	B182388	30.0	1.00	07/24/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17G0681-01 [WS-AOC12W-SO-22-1]	B182352	07/24/17
17G0681-02 [WS-AOC12W-SO-22-2]	B182352	07/24/17
17G0681-03 [WS-AOC12W-SO-22-3]	B182352	07/24/17
17G0681-04 [WS-AOC12W-SO-DUP-4]	B182352	07/24/17
17G0681-05 [WS-AOC12W-SO-5-1A]	B182352	07/24/17
17G0681-06 [WS-AOC12W-SO-5-1B]	B182352	07/24/17
17G0681-07 [WS-AOC12W-SO-5-2]	B182352	07/24/17
17G0681-08 [WS-AOC12W-SO-5-3]	B182352	07/24/17
17G0681-09 [WS-AOC12W-SO-19-1 (MS)]	B182352	07/24/17
17G0681-10 [WS-AOC12W-SO-19-2]	B182352	07/24/17
17G0681-11 [WS-AOC12W-SO-19-3]	B182352	07/24/17
17G0681-12 [WS-AOC12W-SO-2-1A]	B182352	07/24/17
17G0681-13 [WS-AOC12W-SO-2-1B]	B182352	07/24/17
17G0681-14 [WS-AOC12W-SO-2-2]	B182352	07/24/17
17G0681-15 [WS-AOC12W-SO-2-3]	B182352	07/24/17
17G0681-16 [WS-AOC12W-SO-15-1]	B182352	07/24/17
17G0681-17 [WS-AOC12W-SO-15-2]	B182352	07/24/17
17G0681-18 [WS-AOC12W-SO-15-3]	B182352	07/24/17
17G0681-19 [WS-AOC12W-SO-11-1A]	B182352	07/24/17
17G0681-20 [WS-AOC12W-SO-11-1B]	B182352	07/24/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0681-06 [WS-AOC12W-SO-5-1B]	B182155	1.01	50.0	07/20/17
17G0681-20 [WS-AOC12W-SO-11-1B]	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
17G0681-01 [WS-AOC12W-SO-22-1]	B182257	10.0	10.0	07/21/17
17G0681-02 [WS-AOC12W-SO-22-2]	B182257	10.0	10.0	07/21/17
17G0681-03 [WS-AOC12W-SO-22-3]	B182257	10.0	10.0	07/21/17
17G0681-04 [WS-AOC12W-SO-DUP-4]	B182257	10.0	10.0	07/21/17
17G0681-05 [WS-AOC12W-SO-5-1A]	B182257	10.0	10.0	07/21/17
17G0681-07 [WS-AOC12W-SO-5-2]	B182257	10.0	10.0	07/21/17
17G0681-08 [WS-AOC12W-SO-5-3]	B182257	10.0	10.0	07/21/17
17G0681-09 [WS-AOC12W-SO-19-1 (MS)]	B182257	10.0	10.0	07/21/17
17G0681-10 [WS-AOC12W-SO-19-2]	B182257	10.0	10.0	07/21/17
17G0681-11 [WS-AOC12W-SO-19-3]	B182257	10.0	10.0	07/21/17
17G0681-12 [WS-AOC12W-SO-2-1A]	B182257	10.0	10.0	07/21/17
17G0681-14 [WS-AOC12W-SO-2-2]	B182257	10.0	10.0	07/21/17
17G0681-15 [WS-AOC12W-SO-2-3]	B182257	10.0	10.0	07/21/17
17G0681-16 [WS-AOC12W-SO-15-1]	B182257	10.0	10.0	07/21/17
17G0681-17 [WS-AOC12W-SO-15-2]	B182257	10.0	10.0	07/21/17

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

Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0681-18 [WS-AOC12W-SO-15-3]	B182257	10.0	10.0	07/21/17
17G0681-19 [WS-AOC12W-SO-11-1A]	B182257	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
17G0681-13 [WS-AOC12W-SO-2-1B]	B182275	30.0	1.00	07/21/17
17G0681-20 [WS-AOC12W-SO-11-1B]	B182275	30.0	1.00	07/21/17

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

QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B182275 - SW-846 3546										
Blank (B182275-BLK1)										
Prepared: 07/21/17 Analyzed: 07/24/17										
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		72.5	30-130			
Surrogate: 2-Fluorobiphenyl	2.43		mg/Kg wet	3.33		72.8	30-130			
Surrogate: p-Terphenyl-d14	2.94		mg/Kg wet	3.33		88.3	30-130			
LCS (B182275-BS1)										
Prepared: 07/21/17 Analyzed: 07/24/17										
Acenaphthene	1.14	0.17	mg/Kg wet	1.67		68.7	40-140			
Acenaphthylene	1.11	0.17	mg/Kg wet	1.67		66.7	40-140			
Anthracene	1.22	0.17	mg/Kg wet	1.67		73.1	40-140			
Benzo(a)anthracene	1.24	0.17	mg/Kg wet	1.67		74.2	40-140			
Benzo(a)pyrene	1.25	0.17	mg/Kg wet	1.67		75.1	40-140			
Benzo(b)fluoranthene	1.15	0.17	mg/Kg wet	1.67		69.1	40-140			
Benzo(g,h,i)perylene	1.50	0.17	mg/Kg wet	1.67		90.0	40-140			
Benzo(k)fluoranthene	1.18	0.17	mg/Kg wet	1.67		70.9	40-140			
Chrysene	1.22	0.17	mg/Kg wet	1.67		73.0	40-140			
Dibenz(a,h)anthracene	1.41	0.17	mg/Kg wet	1.67		84.5	40-140			
Fluoranthene	1.18	0.17	mg/Kg wet	1.67		70.9	40-140			
Fluorene	1.16	0.17	mg/Kg wet	1.67		69.7	40-140			
Indeno(1,2,3-cd)pyrene	1.40	0.17	mg/Kg wet	1.67		84.0	40-140			
2-Methylnaphthalene	1.12	0.17	mg/Kg wet	1.67		67.4	40-140			
Naphthalene	1.03	0.17	mg/Kg wet	1.67		61.8	40-140			
Phenanthrene	1.23	0.17	mg/Kg wet	1.67		73.7	40-140			
Pyrene	1.18	0.17	mg/Kg wet	1.67		70.8	40-140			
Surrogate: Nitrobenzene-d5	2.44		mg/Kg wet	3.33		73.1	30-130			
Surrogate: 2-Fluorobiphenyl	2.66		mg/Kg wet	3.33		79.9	30-130			
Surrogate: p-Terphenyl-d14	2.80		mg/Kg wet	3.33		84.0	30-130			

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

QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B182275 - SW-846 3546										
LCS Dup (B182275-BSD1)										
					Prepared: 07/21/17 Analyzed: 07/24/17					
Acenaphthene	1.03	0.17	mg/Kg wet	1.67		61.7	40-140	10.7	30	
Acenaphthylene	1.00	0.17	mg/Kg wet	1.67		60.2	40-140	10.2	30	
Anthracene	1.06	0.17	mg/Kg wet	1.67		63.9	40-140	13.4	30	
Benzo(a)anthracene	1.09	0.17	mg/Kg wet	1.67		65.6	40-140	12.4	30	
Benzo(a)pyrene	1.09	0.17	mg/Kg wet	1.67		65.5	40-140	13.7	30	
Benzo(b)fluoranthene	1.02	0.17	mg/Kg wet	1.67		61.1	40-140	12.3	30	
Benzo(g,h,i)perylene	1.27	0.17	mg/Kg wet	1.67		76.4	40-140	16.3	30	
Benzo(k)fluoranthene	1.02	0.17	mg/Kg wet	1.67		61.2	40-140	14.7	30	
Chrysene	1.08	0.17	mg/Kg wet	1.67		65.0	40-140	11.7	30	
Dibenz(a,h)anthracene	1.21	0.17	mg/Kg wet	1.67		72.7	40-140	15.0	30	
Fluoranthene	1.05	0.17	mg/Kg wet	1.67		63.0	40-140	11.9	30	
Fluorene	1.03	0.17	mg/Kg wet	1.67		61.8	40-140	11.9	30	
Indeno(1,2,3-cd)pyrene	1.18	0.17	mg/Kg wet	1.67		70.7	40-140	17.3	30	
2-Methylnaphthalene	1.03	0.17	mg/Kg wet	1.67		61.7	40-140	8.86	30	
Naphthalene	0.990	0.17	mg/Kg wet	1.67		59.4	40-140	4.03	30	
Phenanthrene	1.07	0.17	mg/Kg wet	1.67		64.0	40-140	14.0	30	
Pyrene	1.03	0.17	mg/Kg wet	1.67		61.9	40-140	13.3	30	
Surrogate: Nitrobenzene-d5	2.28		mg/Kg wet	3.33		68.4	30-130			
Surrogate: 2-Fluorobiphenyl	2.36		mg/Kg wet	3.33		70.8	30-130			
Surrogate: p-Terphenyl-d14	2.43		mg/Kg wet	3.33		72.8	30-130			

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

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B182257 - SW-846 3540C										
Blank (B182257-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							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	0.169		mg/Kg wet	0.200		84.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.168		mg/Kg wet	0.200		83.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.172		mg/Kg wet	0.200		86.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.156		mg/Kg wet	0.200		77.9	30-150			
LCS (B182257-BS1)										
Prepared: 07/21/17 Analyzed: 07/27/17										
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		86.5	40-140			
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		85.1	40-140			
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		84.5	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		78.7	40-140			
Surrogate: Decachlorobiphenyl	0.195		mg/Kg wet	0.200		97.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.167		mg/Kg wet	0.200		83.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.175		mg/Kg wet	0.200		87.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.143		mg/Kg wet	0.200		71.3	30-150			
LCS Dup (B182257-BSD1)										
Prepared: 07/21/17 Analyzed: 07/27/17										
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		81.5	40-140	5.97	30	
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.200		79.3	40-140	7.07	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		78.0	40-140	8.03	30	
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		73.3	40-140	7.19	30	
Surrogate: Decachlorobiphenyl	0.185		mg/Kg wet	0.200		92.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.166		mg/Kg wet	0.200		82.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.176		mg/Kg wet	0.200		88.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.145		mg/Kg wet	0.200		72.5	30-150			

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

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B182257 - SW-846 3540C

Matrix Spike (B182257-MS1)

Source: 17G0681-09

Prepared: 07/21/17 Analyzed: 07/27/17

Aroclor-1016	0.18	0.11	mg/Kg dry	0.212	ND	87.2	40-140			
Aroclor-1016 [2C]	0.18	0.11	mg/Kg dry	0.212	ND	84.1	40-140			
Aroclor-1260	0.16	0.11	mg/Kg dry	0.212	ND	74.1	40-140			
Aroclor-1260 [2C]	0.14	0.11	mg/Kg dry	0.212	ND	66.1	40-140			
Surrogate: Decachlorobiphenyl	0.137		mg/Kg dry	0.212		64.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.165		mg/Kg dry	0.212		78.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.192		mg/Kg dry	0.212		90.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.206		mg/Kg dry	0.212		97.4	30-150			

Matrix Spike Dup (B182257-MSD1)

Source: 17G0681-09

Prepared: 07/21/17 Analyzed: 07/27/17

Aroclor-1016	0.19	0.11	mg/Kg dry	0.212	ND	89.9	40-140	2.97	50	
Aroclor-1016 [2C]	0.19	0.11	mg/Kg dry	0.212	ND	89.5	40-140	6.24	50	
Aroclor-1260	0.15	0.11	mg/Kg dry	0.212	ND	72.2	40-140	2.54	50	
Aroclor-1260 [2C]	0.14	0.11	mg/Kg dry	0.212	ND	64.5	40-140	2.33	50	
Surrogate: Decachlorobiphenyl	0.145		mg/Kg dry	0.212		68.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.163		mg/Kg dry	0.212		77.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.197		mg/Kg dry	0.212		93.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.210		mg/Kg dry	0.212		99.2	30-150			

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

QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 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			

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

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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	

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

QUALITY CONTROL

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B182352 - % Solids										
Duplicate (B182352-DUP3)	Source: 17G0681-09			Prepared: 07/24/17 Analyzed: 07/25/17						
% Solids	95.4		% Wt		94.5			0.948	20	
Duplicate (B182352-DUP4)	Source: 17G0681-10			Prepared: 07/24/17 Analyzed: 07/25/17						
% Solids	87.1		% Wt		86.6			0.576	20	

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

SW-846 8082A

Lab Sample ID: B182257-BS1 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	0.17	
	2	0.000	-0.030	0.030	0.17	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.16	6.1

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

SW-846 8082A

Lab Sample ID: B182257-BSD1 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	0.16	
	2	0.000	-0.030	0.030	0.16	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.15	6.5

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

Matrix Spike

SW-846 8082A

Lab Sample ID: B182257-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	5.4
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 Dup

SW-846 8082A

Lab Sample ID: B182257-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	0.19	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.15	
	2	0.000	-0.030	0.030	0.14	6.9

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

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
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.
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
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

1760681



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-A0012W-50-22-1	7/18/17	10:16		X	S	U
2	WS-A0012W-50-22-2		10:17				
3	WS-A0012W-50-22-3		10:18				
4	WS-A0012W-50-DUP-4						
5	WS-A0012W-50-5-1A		10:30				
6	WS-A0012W-50-5-1B		10:32				
7	WS-A0012W-50-5-2		10:34				
8	WS-A0012W-50-5-3		10:36				
9	WS-A0012W-50-19-1(MS)		10:38				
10	WS-A0012W-50-19-2		10:39				

Comments: WS-A0012W-50-19-1 (MS) MSD)

Please hold excess volumes for possible SPL 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>	7/18/17	MA
Received by: (signature)	Date/Time	
<i>[Signature]</i>	7/18/17 1520	
Relinquished by: (signature)	Date/Time	
<i>[Signature]</i>	7/18/17 1500	RES DEC
Received by: (signature)	Date/Time	
<i>[Signature]</i>	7/18/17 1700	
Relinquished by: (signature)	Date/Time	
<i>[Signature]</i>		
Received by: (signature)	Date/Time	
<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 _____
 Dissolve Metals Samples
 Field Filtered
 Lab to Filter
 Dissolve Nonmetals 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

Analysis	1	2	3	4	5	6	7	8	9	10
(Soxhlet) PCBs	X									
SPLP PCBs	X									
ETPH						X				
SPLP ETPH										
PAHs										
Arsenic									X	

con-test
 ANALYTICAL LABORATORY

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

Weston & Sampson Engineers
 273 Dividend Rd Rocky Hill, CT
 860 513-1473
 English Station
 510 Grand Ave, New Haven, CT
 2170495
 Malcolm Beeler
 Malcolm Beeler (Weston & Sampson)
 Chris Berthiaume / Will Sirotnak

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1011	WS-AOC12W-50-19-3	7/19/17	10:40		X	S	U
1112	WS-AOC12W-50-2-1A		10:54				
1213	WS-AOC12W-50-2-1B		10:56				
1314	WS-AOC12W-50-2-2		10:58				
1415	WS-AOC12W-50-2-3		11:20				
1516	WS-AOC12W-50-15-1		11:04				
1617	WS-AOC12W-50-15-2		11:02				
1718	WS-AOC12W-50-15-3		11:03				
1819	WS-AOC12W-50-11-1A		11:15				
1920	WS-AOC12W-50-11-1B		11:16				

Requested Turnaround Time	7-Day	10-Day	Other:	3-Day	4-Day	Other:
	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	

Requested Turnaround Time	3-Day	4-Day	Other:
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> EXCEL

Enhanced Data Package Required:

Email To: beelerm@wseinc.com

Fax To #:

ANALYSIS REQUESTED

SPLP PCBs
 (Soxhlet) PCBs

ETPH

SPLP ETPH

PAHs

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 # _____

NETAC and AIHA-LAP, LLC Accredited

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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



Doc# 277 Rev 5 2017

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

Client Weston & Sampson
 Received By 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: