


July 1, 2015

Jason Pringle  
AMC Environmental, LLC  
PO Box 423  
Stratford, CT 06615

Project Location: Osborn School  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 15F1347

Enclosed are results of analyses for samples received by the laboratory on June 26, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Steven M. Case  
Project Manager

## Table of Contents

Sample Summary	4
Case Narrative	5
Sample Results	6
15F1347-01	6
15F1347-02	8
15F1347-03	10
15F1347-04	12
15F1347-05	14
15F1347-06	16
15F1347-07	18
15F1347-08	20
15F1347-09	22
15F1347-10	24
15F1347-11	26
15F1347-12	28
15F1347-13	30
15F1347-14	32
15F1347-15	34
15F1347-16	36
15F1347-17	38
15F1347-18	40
Sample Preparation Information	42
QC Data	43
Polychlorinated Biphenyls with 3540 Soxhlet Extraction	43
B125047	43
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)	45

## Table of Contents (continued)

B125050	45
Dual Column RPD Report	46
Flag/Qualifier Summary	68
Certifications	69
Chain of Custody/Sample Receipt	70

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AMC Environmental, LLC  
PO Box 423  
Stratford, CT 06615  
ATTN: Jason Pringle

REPORT DATE: 7/1/2015

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

### ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15F1347

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

PROJECT LOCATION: Osborn School

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
01-116 soil	15F1347-01	Soil		SM 2540G SW-846 8082A	
02-116 soil	15F1347-02	Soil		SM 2540G SW-846 8082A	
03-116 soil	15F1347-03	Soil		SM 2540G SW-846 8082A	
04-117 soil	15F1347-04	Soil		SM 2540G SW-846 8082A	
05-117 soil	15F1347-05	Soil		SM 2540G SW-846 8082A	
06-117 soil	15F1347-06	Soil		SM 2540G SW-846 8082A	
07-118 soil	15F1347-07	Soil		SM 2540G SW-846 8082A	
08-118 soil	15F1347-08	Soil		SM 2540G SW-846 8082A	
09-118 soil	15F1347-09	Soil		SM 2540G SW-846 8082A	
10-119 soil	15F1347-10	Soil		SM 2540G SW-846 8082A	
11-119 soil	15F1347-11	Soil		SM 2540G SW-846 8082A	
12-119 soil	15F1347-12	Soil		SM 2540G SW-846 8082A	
13-120 soil	15F1347-13	Soil		SM 2540G SW-846 8082A	
14-120 soil	15F1347-14	Soil		SM 2540G SW-846 8082A	
15-120 soil	15F1347-15	Soil		SM 2540G SW-846 8082A	
16-121 soil	15F1347-16	Soil		SM 2540G SW-846 8082A	
17-121 soil	15F1347-17	Soil		SM 2540G SW-846 8082A	
18-121 soil	15F1347-18	Soil		SM 2540G SW-846 8082A	

**CASE NARRATIVE SUMMARY**

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

**SW-846 8082A**

**Qualifications:**

**MS-21**

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

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

**Aroclor-1260**

B125047-MSD1

**Aroclor-1260 [2C]**

B125047-MS1, B125047-MSD1

**P-01**

Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.

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

**Aroclor-1254 [2C]**

15F1347-08[08-118 soil], 15F1347-09[09-118 soil]

**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.

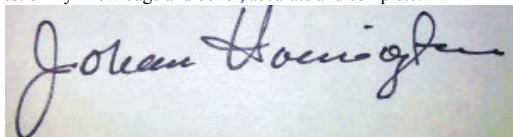
**Analyte & Samples(s) Qualified:**

**Aroclor-1260**

B125047-BS1, B125047-BSD1, B125047-MS1, B125047-MSD1

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.



Johanna K. Harrington

Manager, Laboratory Reporting

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

Project Location: Osborn School

Sample Description:

Work Order: 15F1347

Date Received: 6/26/2015

Field Sample #: 01-116 soil

Sampled: 6/26/2015 00:00

Sample ID: 15F1347-01

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	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 19:18	JMB
Aroclor-1221 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 19:18	JMB
Aroclor-1232 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 19:18	JMB
Aroclor-1242 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 19:18	JMB
Aroclor-1248 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 19:18	JMB
Aroclor-1254 [2]	0.94	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 19:18	JMB
Aroclor-1260 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 19:18	JMB
Aroclor-1262 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 19:18	JMB
Aroclor-1268 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 19:18	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	80.4	30-150							
Decachlorobiphenyl [2]	104	30-150							
Tetrachloro-m-xylene [1]	94.0	30-150							
Tetrachloro-m-xylene [2]	101	30-150							

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Project Location: Osborn School

Sample Description:

Work Order: 15F1347

Date Received: 6/26/2015

Sampled: 6/26/2015 00:00

Field Sample #: 01-116 soil

Sample ID: 15F1347-01

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	92.3		% Wt	1		SM 2540G	6/26/15	6/27/15 14:32	MJR

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Project Location: Osborn School

Sample Description:

Work Order: 15F1347

Date Received: 6/26/2015

Field Sample #: 02-116 soil

Sampled: 6/26/2015 00:00

Sample ID: 15F1347-02

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	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 19:30	JMB
Aroclor-1221 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 19:30	JMB
Aroclor-1232 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 19:30	JMB
Aroclor-1242 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 19:30	JMB
Aroclor-1248 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 19:30	JMB
Aroclor-1254 [2]	0.81	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 19:30	JMB
Aroclor-1260 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 19:30	JMB
Aroclor-1262 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 19:30	JMB
Aroclor-1268 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 19:30	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	77.0	30-150							
Decachlorobiphenyl [2]	107	30-150							
Tetrachloro-m-xylene [1]	90.6	30-150							
Tetrachloro-m-xylene [2]	98.0	30-150							



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Project Location: Osborn School

Sample Description:

Work Order: 15F1347

Date Received: 6/26/2015

Field Sample #: 02-116 soil

Sampled: 6/26/2015 00:00

Sample ID: 15F1347-02

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.9		% Wt	1		SM 2540G	6/26/15	6/27/15 14:32	MJR

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Project Location: Osborn School

Sample Description:

Work Order: 15F1347

Date Received: 6/26/2015

Field Sample #: 03-116 soil

Sampled: 6/26/2015 00:00

Sample ID: 15F1347-03

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	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 19:43	JMB
Aroclor-1221 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 19:43	JMB
Aroclor-1232 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 19:43	JMB
Aroclor-1242 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 19:43	JMB
Aroclor-1248 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 19:43	JMB
Aroclor-1254 [2]	0.80	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 19:43	JMB
Aroclor-1260 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 19:43	JMB
Aroclor-1262 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 19:43	JMB
Aroclor-1268 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 19:43	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	62.1	30-150							
Decachlorobiphenyl [2]	81.0	30-150							
Tetrachloro-m-xylene [1]	91.8	30-150							
Tetrachloro-m-xylene [2]	82.3	30-150							

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Project Location: Osborn School

Sample Description:

Work Order: 15F1347

Date Received: 6/26/2015

Field Sample #: 03-116 soil

Sampled: 6/26/2015 00:00

Sample ID: 15F1347-03

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	91.1		% Wt	1		SM 2540G	6/26/15	6/27/15 14:32	MJR

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Project Location: Osborn School

Sample Description:

Work Order: 15F1347

Date Received: 6/26/2015

Field Sample #: 04-117 soil

Sampled: 6/26/2015 00:00

Sample ID: 15F1347-04

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	6/26/15	6/29/15 19:55	JMB
Aroclor-1221 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 19:55	JMB
Aroclor-1232 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 19:55	JMB
Aroclor-1242 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 19:55	JMB
Aroclor-1248 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 19:55	JMB
Aroclor-1254 [2]	1.0	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 19:55	JMB
Aroclor-1260 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 19:55	JMB
Aroclor-1262 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 19:55	JMB
Aroclor-1268 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 19:55	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	74.2	30-150							
Decachlorobiphenyl [2]	101	30-150							
Tetrachloro-m-xylene [1]	90.5	30-150							
Tetrachloro-m-xylene [2]	96.0	30-150							

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Project Location: Osborn School

Sample Description:

Work Order: 15F1347

Date Received: 6/26/2015

Sampled: 6/26/2015 00:00

Field Sample #: 04-117 soil

Sample ID: 15F1347-04

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	91.2		% Wt	1		SM 2540G	6/26/15	6/27/15 14:32	MJR

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Project Location: Osborn School

Sample Description:

Work Order: 15F1347

Date Received: 6/26/2015

Field Sample #: 05-117 soil

Sampled: 6/26/2015 00:00

Sample ID: 15F1347-05

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	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 20:07	JMB
Aroclor-1221 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 20:07	JMB
Aroclor-1232 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 20:07	JMB
Aroclor-1242 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 20:07	JMB
Aroclor-1248 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 20:07	JMB
Aroclor-1254 [2]	0.59	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 20:07	JMB
Aroclor-1260 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 20:07	JMB
Aroclor-1262 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 20:07	JMB
Aroclor-1268 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 20:07	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	67.0	30-150							
Decachlorobiphenyl [2]	89.6	30-150							
Tetrachloro-m-xylene [1]	81.8	30-150							
Tetrachloro-m-xylene [2]	87.2	30-150							

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Project Location: Osborn School

Sample Description:

Work Order: 15F1347

Date Received: 6/26/2015

Field Sample #: 05-117 soil

Sampled: 6/26/2015 00:00

Sample ID: 15F1347-05

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.9		% Wt	1		SM 2540G	6/26/15	6/27/15 14:32	MJR

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Project Location: Osborn School

Sample Description:

Work Order: 15F1347

Date Received: 6/26/2015

Field Sample #: 06-117 soil

Sampled: 6/26/2015 00:00

Sample ID: 15F1347-06

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	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 20:20	JMB
Aroclor-1221 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 20:20	JMB
Aroclor-1232 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 20:20	JMB
Aroclor-1242 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 20:20	JMB
Aroclor-1248 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 20:20	JMB
Aroclor-1254 [2]	0.48	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 20:20	JMB
Aroclor-1260 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 20:20	JMB
Aroclor-1262 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 20:20	JMB
Aroclor-1268 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 20:20	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	75.2	30-150							
Decachlorobiphenyl [2]	98.0	30-150							
Tetrachloro-m-xylene [1]	91.8	30-150							
Tetrachloro-m-xylene [2]	101	30-150							



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

Project Location: Osborn School

Sample Description:

Work Order: 15F1347

Date Received: 6/26/2015

Field Sample #: 06-117 soil

Sampled: 6/26/2015 00:00

Sample ID: 15F1347-06

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.3		% Wt	1		SM 2540G	6/26/15	6/27/15 14:32	MJR

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

Project Location: Osborn School

Sample Description:

Work Order: 15F1347

Date Received: 6/26/2015

Field Sample #: 07-118 soil

Sampled: 6/26/2015 00:00

Sample ID: 15F1347-07

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	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 20:32	JMB
Aroclor-1221 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 20:32	JMB
Aroclor-1232 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 20:32	JMB
Aroclor-1242 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 20:32	JMB
Aroclor-1248 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 20:32	JMB
Aroclor-1254 [2]	0.44	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 20:32	JMB
Aroclor-1260 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 20:32	JMB
Aroclor-1262 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 20:32	JMB
Aroclor-1268 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 20:32	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	57.0	30-150							
Decachlorobiphenyl [2]	76.0	30-150							
Tetrachloro-m-xylene [1]	72.6	30-150							
Tetrachloro-m-xylene [2]	80.1	30-150							

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

Project Location: Osborn School

Sample Description:

Work Order: 15F1347

Date Received: 6/26/2015

Field Sample #: 07-118 soil

Sampled: 6/26/2015 00:00

Sample ID: 15F1347-07

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.8		% Wt	1		SM 2540G	6/26/15	6/27/15 14:32	MJR

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

Project Location: Osborn School

Sample Description:

Work Order: 15F1347

Date Received: 6/26/2015

Field Sample #: 08-118 soil

Sampled: 6/26/2015 00:00

Sample ID: 15F1347-08

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 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 20:45	JMB
Aroclor-1221 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 20:45	JMB
Aroclor-1232 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 20:45	JMB
Aroclor-1242 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 20:45	JMB
Aroclor-1248 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 20:45	JMB
Aroclor-1254 [2]	0.56	0.11	mg/Kg dry	5	P-01	SW-846 8082A	6/26/15	6/29/15 20:45	JMB
Aroclor-1260 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 20:45	JMB
Aroclor-1262 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 20:45	JMB
Aroclor-1268 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 20:45	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	71.5	30-150						6/29/15 20:45	
Decachlorobiphenyl [2]	98.8	30-150						6/29/15 20:45	
Tetrachloro-m-xylene [1]	89.3	30-150						6/29/15 20:45	
Tetrachloro-m-xylene [2]	96.4	30-150						6/29/15 20:45	

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

Project Location: Osborn School

Sample Description:

Work Order: 15F1347

Date Received: 6/26/2015

Field Sample #: 08-118 soil

Sampled: 6/26/2015 00:00

Sample ID: 15F1347-08

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	91.8		% Wt	1		SM 2540G	6/26/15	6/27/15 14:32	MJR

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

Project Location: Osborn School

Sample Description:

Work Order: 15F1347

Date Received: 6/26/2015

Field Sample #: 09-118 soil

Sampled: 6/26/2015 00:00

Sample ID: 15F1347-09

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	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 21:34	JMB
Aroclor-1221 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 21:34	JMB
Aroclor-1232 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 21:34	JMB
Aroclor-1242 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 21:34	JMB
Aroclor-1248 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 21:34	JMB
Aroclor-1254 [2]	0.80	0.11	mg/Kg dry	5	P-01	SW-846 8082A	6/26/15	6/29/15 21:34	JMB
Aroclor-1260 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 21:34	JMB
Aroclor-1262 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 21:34	JMB
Aroclor-1268 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 21:34	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	74.0	30-150							
Decachlorobiphenyl [2]	99.1	30-150							
Tetrachloro-m-xylene [1]	93.0	30-150							
Tetrachloro-m-xylene [2]	101	30-150							

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Project Location: Osborn School

Sample Description:

Work Order: 15F1347

Date Received: 6/26/2015

Field Sample #: 09-118 soil

Sampled: 6/26/2015 00:00

Sample ID: 15F1347-09

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.3		% Wt	1		SM 2540G	6/26/15	6/27/15 14:32	MJR

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

Project Location: Osborn School

Sample Description:

Work Order: 15F1347

Date Received: 6/26/2015

Field Sample #: 10-119 soil

Sampled: 6/26/2015 00:00

Sample ID: 15F1347-10

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	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 21:46	JMB
Aroclor-1221 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 21:46	JMB
Aroclor-1232 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 21:46	JMB
Aroclor-1242 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 21:46	JMB
Aroclor-1248 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 21:46	JMB
Aroclor-1254 [2]	0.50	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 21:46	JMB
Aroclor-1260 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 21:46	JMB
Aroclor-1262 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 21:46	JMB
Aroclor-1268 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 21:46	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	80.2	30-150							
Decachlorobiphenyl [2]	109	30-150							
Tetrachloro-m-xylene [1]	98.9	30-150							
Tetrachloro-m-xylene [2]	107	30-150							



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Project Location: Osborn School

Sample Description:

Work Order: 15F1347

Date Received: 6/26/2015

Sampled: 6/26/2015 00:00

Field Sample #: 10-119 soil

Sample ID: 15F1347-10

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.8		% Wt	1		SM 2540G	6/26/15	6/27/15 14:32	MJR

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Project Location: Osborn School

Sample Description:

Work Order: 15F1347

Date Received: 6/26/2015

Field Sample #: 11-119 soil

Sampled: 6/26/2015 00:00

Sample ID: 15F1347-11

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	0.54	mg/Kg dry	25		SW-846 8082A	6/26/15	6/30/15 16:44	PJG
Aroclor-1221 [1]	ND	0.54	mg/Kg dry	25		SW-846 8082A	6/26/15	6/30/15 16:44	PJG
Aroclor-1232 [1]	ND	0.54	mg/Kg dry	25		SW-846 8082A	6/26/15	6/30/15 16:44	PJG
Aroclor-1242 [1]	ND	0.54	mg/Kg dry	25		SW-846 8082A	6/26/15	6/30/15 16:44	PJG
Aroclor-1248 [1]	ND	0.54	mg/Kg dry	25		SW-846 8082A	6/26/15	6/30/15 16:44	PJG
Aroclor-1254 [2]	4.1	0.54	mg/Kg dry	25		SW-846 8082A	6/26/15	6/30/15 16:44	PJG
Aroclor-1260 [1]	ND	0.54	mg/Kg dry	25		SW-846 8082A	6/26/15	6/30/15 16:44	PJG
Aroclor-1262 [1]	ND	0.54	mg/Kg dry	25		SW-846 8082A	6/26/15	6/30/15 16:44	PJG
Aroclor-1268 [1]	ND	0.54	mg/Kg dry	25		SW-846 8082A	6/26/15	6/30/15 16:44	PJG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	127	30-150						6/30/15 16:44	
Decachlorobiphenyl [2]	120	30-150						6/30/15 16:44	
Tetrachloro-m-xylene [1]	124	30-150						6/30/15 16:44	
Tetrachloro-m-xylene [2]	113	30-150						6/30/15 16:44	

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Project Location: Osborn School

Sample Description:

Work Order: 15F1347

Date Received: 6/26/2015

Field Sample #: 11-119 soil

Sampled: 6/26/2015 00:00

Sample ID: 15F1347-11

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.7		% Wt	1		SM 2540G	6/26/15	6/27/15 14:32	MJR

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Project Location: Osborn School

Sample Description:

Work Order: 15F1347

Date Received: 6/26/2015

Field Sample #: 12-119 soil

Sampled: 6/26/2015 00:00

Sample ID: 15F1347-12

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	0.55	mg/Kg dry	25		SW-846 8082A	6/26/15	6/30/15 16:57	PJG
Aroclor-1221 [1]	ND	0.55	mg/Kg dry	25		SW-846 8082A	6/26/15	6/30/15 16:57	PJG
Aroclor-1232 [1]	ND	0.55	mg/Kg dry	25		SW-846 8082A	6/26/15	6/30/15 16:57	PJG
Aroclor-1242 [1]	ND	0.55	mg/Kg dry	25		SW-846 8082A	6/26/15	6/30/15 16:57	PJG
Aroclor-1248 [1]	ND	0.55	mg/Kg dry	25		SW-846 8082A	6/26/15	6/30/15 16:57	PJG
Aroclor-1254 [2]	3.8	0.55	mg/Kg dry	25		SW-846 8082A	6/26/15	6/30/15 16:57	PJG
Aroclor-1260 [1]	ND	0.55	mg/Kg dry	25		SW-846 8082A	6/26/15	6/30/15 16:57	PJG
Aroclor-1262 [1]	ND	0.55	mg/Kg dry	25		SW-846 8082A	6/26/15	6/30/15 16:57	PJG
Aroclor-1268 [1]	ND	0.55	mg/Kg dry	25		SW-846 8082A	6/26/15	6/30/15 16:57	PJG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	132	30-150						6/30/15 16:57	
Decachlorobiphenyl [2]	126	30-150						6/30/15 16:57	
Tetrachloro-m-xylene [1]	131	30-150						6/30/15 16:57	
Tetrachloro-m-xylene [2]	121	30-150						6/30/15 16:57	

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Project Location: Osborn School

Sample Description:

Work Order: 15F1347

Date Received: 6/26/2015

Field Sample #: 12-119 soil

Sampled: 6/26/2015 00:00

Sample ID: 15F1347-12

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.5		% Wt	1		SM 2540G	6/26/15	6/27/15 14:32	MJR

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

Project Location: Osborn School

Sample Description:

Work Order: 15F1347

Date Received: 6/26/2015

Field Sample #: 13-120 soil

Sampled: 6/26/2015 00:00

Sample ID: 15F1347-13

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	0.54	mg/Kg dry	25		SW-846 8082A	6/26/15	6/30/15 17:10	PJG
Aroclor-1221 [1]	ND	0.54	mg/Kg dry	25		SW-846 8082A	6/26/15	6/30/15 17:10	PJG
Aroclor-1232 [1]	ND	0.54	mg/Kg dry	25		SW-846 8082A	6/26/15	6/30/15 17:10	PJG
Aroclor-1242 [1]	ND	0.54	mg/Kg dry	25		SW-846 8082A	6/26/15	6/30/15 17:10	PJG
Aroclor-1248 [1]	ND	0.54	mg/Kg dry	25		SW-846 8082A	6/26/15	6/30/15 17:10	PJG
Aroclor-1254 [2]	3.1	0.54	mg/Kg dry	25		SW-846 8082A	6/26/15	6/30/15 17:10	PJG
Aroclor-1260 [2]	0.83	0.54	mg/Kg dry	25		SW-846 8082A	6/26/15	6/30/15 17:10	PJG
Aroclor-1262 [1]	ND	0.54	mg/Kg dry	25		SW-846 8082A	6/26/15	6/30/15 17:10	PJG
Aroclor-1268 [1]	ND	0.54	mg/Kg dry	25		SW-846 8082A	6/26/15	6/30/15 17:10	PJG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	122	30-150						6/30/15 17:10	
Decachlorobiphenyl [2]	131	30-150						6/30/15 17:10	
Tetrachloro-m-xylene [1]	121	30-150						6/30/15 17:10	
Tetrachloro-m-xylene [2]	111	30-150						6/30/15 17:10	

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Project Location: Osborn School

Sample Description:

Work Order: 15F1347

Date Received: 6/26/2015

Sampled: 6/26/2015 00:00

Field Sample #: 13-120 soil

Sample ID: 15F1347-13

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.9		% Wt	1		SM 2540G	6/26/15	6/27/15 14:32	MJR

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

Project Location: Osborn School

Sample Description:

Work Order: 15F1347

Date Received: 6/26/2015

Field Sample #: 14-120 soil

Sampled: 6/26/2015 00:00

Sample ID: 15F1347-14

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	0.54	mg/Kg dry	25		SW-846 8082A	6/26/15	6/30/15 17:22	PJG
Aroclor-1221 [1]	ND	0.54	mg/Kg dry	25		SW-846 8082A	6/26/15	6/30/15 17:22	PJG
Aroclor-1232 [1]	ND	0.54	mg/Kg dry	25		SW-846 8082A	6/26/15	6/30/15 17:22	PJG
Aroclor-1242 [1]	ND	0.54	mg/Kg dry	25		SW-846 8082A	6/26/15	6/30/15 17:22	PJG
Aroclor-1248 [1]	ND	0.54	mg/Kg dry	25		SW-846 8082A	6/26/15	6/30/15 17:22	PJG
Aroclor-1254 [2]	2.5	0.54	mg/Kg dry	25		SW-846 8082A	6/26/15	6/30/15 17:22	PJG
Aroclor-1260 [2]	0.86	0.54	mg/Kg dry	25		SW-846 8082A	6/26/15	6/30/15 17:22	PJG
Aroclor-1262 [1]	ND	0.54	mg/Kg dry	25		SW-846 8082A	6/26/15	6/30/15 17:22	PJG
Aroclor-1268 [1]	ND	0.54	mg/Kg dry	25		SW-846 8082A	6/26/15	6/30/15 17:22	PJG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	127	30-150							
Decachlorobiphenyl [2]	117	30-150							
Tetrachloro-m-xylene [1]	124	30-150							
Tetrachloro-m-xylene [2]	113	30-150							



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

Project Location: Osborn School

Sample Description:

Work Order: 15F1347

Date Received: 6/26/2015

Field Sample #: 14-120 soil

Sampled: 6/26/2015 00:00

Sample ID: 15F1347-14

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.2		% Wt	1		SM 2540G	6/26/15	6/27/15 14:32	MJR

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

Project Location: Osborn School

Sample Description:

Work Order: 15F1347

Date Received: 6/26/2015

Field Sample #: 15-120 soil

Sampled: 6/26/2015 00:00

Sample ID: 15F1347-15

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	0.22	mg/Kg dry	10		SW-846 8082A	6/26/15	6/30/15 17:35	PJG
Aroclor-1221 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	6/26/15	6/30/15 17:35	PJG
Aroclor-1232 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	6/26/15	6/30/15 17:35	PJG
Aroclor-1242 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	6/26/15	6/30/15 17:35	PJG
Aroclor-1248 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	6/26/15	6/30/15 17:35	PJG
Aroclor-1254 [2]	1.6	0.22	mg/Kg dry	10		SW-846 8082A	6/26/15	6/30/15 17:35	PJG
Aroclor-1260 [2]	0.26	0.22	mg/Kg dry	10		SW-846 8082A	6/26/15	6/30/15 17:35	PJG
Aroclor-1262 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	6/26/15	6/30/15 17:35	PJG
Aroclor-1268 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	6/26/15	6/30/15 17:35	PJG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	118	30-150						6/30/15 17:35	
Decachlorobiphenyl [2]	122	30-150						6/30/15 17:35	
Tetrachloro-m-xylene [1]	117	30-150						6/30/15 17:35	
Tetrachloro-m-xylene [2]	116	30-150						6/30/15 17:35	

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

Project Location: Osborn School

Sample Description:

Work Order: 15F1347

Date Received: 6/26/2015

Sampled: 6/26/2015 00:00

Field Sample #: 15-120 soil

Sample ID: 15F1347-15

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	90.9		% Wt	1		SM 2540G	6/26/15	6/27/15 14:32	MJR

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

Project Location: Osborn School

Sample Description:

Work Order: 15F1347

Date Received: 6/26/2015

Field Sample #: 16-121 soil

Sampled: 6/26/2015 00:00

Sample ID: 15F1347-16

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	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 23:00	JMB
Aroclor-1221 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 23:00	JMB
Aroclor-1232 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 23:00	JMB
Aroclor-1242 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 23:00	JMB
Aroclor-1248 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 23:00	JMB
Aroclor-1254 [2]	1.1	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 23:00	JMB
Aroclor-1260 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 23:00	JMB
Aroclor-1262 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 23:00	JMB
Aroclor-1268 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 23:00	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	88.6	30-150							
Decachlorobiphenyl [2]	142	30-150							
Tetrachloro-m-xylene [1]	103	30-150							
Tetrachloro-m-xylene [2]	113	30-150							

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

Project Location: Osborn School

Sample Description:

Work Order: 15F1347

Date Received: 6/26/2015

Field Sample #: 16-121 soil

Sampled: 6/26/2015 00:00

Sample ID: 15F1347-16

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.7		% Wt	1		SM 2540G	6/26/15	6/27/15 14:32	MJR

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

Project Location: Osborn School

Sample Description:

Work Order: 15F1347

Date Received: 6/26/2015

Field Sample #: 17-121 soil

Sampled: 6/26/2015 00:00

Sample ID: 15F1347-17

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	0.21	mg/Kg dry	10		SW-846 8082A	6/26/15	6/30/15 17:48	PJG
Aroclor-1221 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	6/26/15	6/30/15 17:48	PJG
Aroclor-1232 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	6/26/15	6/30/15 17:48	PJG
Aroclor-1242 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	6/26/15	6/30/15 17:48	PJG
Aroclor-1248 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	6/26/15	6/30/15 17:48	PJG
Aroclor-1254 [2]	1.5	0.21	mg/Kg dry	10		SW-846 8082A	6/26/15	6/30/15 17:48	PJG
Aroclor-1260 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	6/26/15	6/30/15 17:48	PJG
Aroclor-1262 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	6/26/15	6/30/15 17:48	PJG
Aroclor-1268 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	6/26/15	6/30/15 17:48	PJG
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	112		30-150				6/30/15 17:48		
Decachlorobiphenyl [2]	116		30-150				6/30/15 17:48		
Tetrachloro-m-xylene [1]	121		30-150				6/30/15 17:48		
Tetrachloro-m-xylene [2]	119		30-150				6/30/15 17:48		

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

Project Location: Osborn School

Sample Description:

Work Order: 15F1347

Date Received: 6/26/2015

Field Sample #: 17-121 soil

Sampled: 6/26/2015 00:00

Sample ID: 15F1347-17

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.4		% Wt	1		SM 2540G	6/26/15	6/27/15 14:32	MJR

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

Project Location: Osborn School

Sample Description:

Work Order: 15F1347

Date Received: 6/26/2015

Field Sample #: 18-121 soil

Sampled: 6/26/2015 00:00

Sample ID: 15F1347-18

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	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 23:25	JMB
Aroclor-1221 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 23:25	JMB
Aroclor-1232 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 23:25	JMB
Aroclor-1242 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 23:25	JMB
Aroclor-1248 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 23:25	JMB
Aroclor-1254 [2]	1.2	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 23:25	JMB
Aroclor-1260 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 23:25	JMB
Aroclor-1262 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 23:25	JMB
Aroclor-1268 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/26/15	6/29/15 23:25	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	81.9	30-150							
Decachlorobiphenyl [2]	141	30-150							
Tetrachloro-m-xylene [1]	95.9	30-150							
Tetrachloro-m-xylene [2]	105	30-150							



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Project Location: Osborn School

Sample Description:

Work Order: 15F1347

Date Received: 6/26/2015

Field Sample #: 18-121 soil

Sampled: 6/26/2015 00:00

Sample ID: 15F1347-18

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	89.4		% Wt	1		SM 2540G	6/26/15	6/27/15 14:32	MJR

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### Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
15F1347-01 [01-116 soil]	B125050	06/26/15
15F1347-02 [02-116 soil]	B125050	06/26/15
15F1347-03 [03-116 soil]	B125050	06/26/15
15F1347-04 [04-117 soil]	B125050	06/26/15
15F1347-05 [05-117 soil]	B125050	06/26/15
15F1347-06 [06-117 soil]	B125050	06/26/15
15F1347-07 [07-118 soil]	B125050	06/26/15
15F1347-08 [08-118 soil]	B125050	06/26/15
15F1347-09 [09-118 soil]	B125050	06/26/15
15F1347-10 [10-119 soil]	B125050	06/26/15
15F1347-11 [11-119 soil]	B125050	06/26/15
15F1347-12 [12-119 soil]	B125050	06/26/15
15F1347-13 [13-120 soil]	B125050	06/26/15
15F1347-14 [14-120 soil]	B125050	06/26/15
15F1347-15 [15-120 soil]	B125050	06/26/15
15F1347-16 [16-121 soil]	B125050	06/26/15
15F1347-17 [17-121 soil]	B125050	06/26/15
15F1347-18 [18-121 soil]	B125050	06/26/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15F1347-01 [01-116 soil]	B125047	10.0	10.0	06/26/15
15F1347-02 [02-116 soil]	B125047	10.1	10.0	06/26/15
15F1347-03 [03-116 soil]	B125047	10.0	10.0	06/26/15
15F1347-04 [04-117 soil]	B125047	10.2	10.0	06/26/15
15F1347-05 [05-117 soil]	B125047	10.1	10.0	06/26/15
15F1347-06 [06-117 soil]	B125047	10.0	10.0	06/26/15
15F1347-07 [07-118 soil]	B125047	10.3	10.0	06/26/15
15F1347-08 [08-118 soil]	B125047	10.0	10.0	06/26/15
15F1347-09 [09-118 soil]	B125047	10.2	10.0	06/26/15
15F1347-10 [10-119 soil]	B125047	10.3	10.0	06/26/15
15F1347-11 [11-119 soil]	B125047	10.3	10.0	06/26/15
15F1347-12 [12-119 soil]	B125047	10.0	10.0	06/26/15
15F1347-13 [13-120 soil]	B125047	10.1	10.0	06/26/15
15F1347-14 [14-120 soil]	B125047	10.2	10.0	06/26/15
15F1347-15 [15-120 soil]	B125047	10.2	10.0	06/26/15
15F1347-16 [16-121 soil]	B125047	10.3	10.0	06/26/15
15F1347-17 [17-121 soil]	B125047	10.2	10.0	06/26/15
15F1347-18 [18-121 soil]	B125047	10.1	10.0	06/26/15

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### QUALITY CONTROL

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch B125047 - SW-846 3540C

##### Blank (B125047-BLK1)

Prepared: 06/26/15 Analyzed: 06/29/15

Aroclor-1016	ND	0.10	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1221	ND	0.10	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1232	ND	0.10	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1242	ND	0.10	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1248	ND	0.10	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1254	ND	0.10	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1260	ND	0.10	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1262	ND	0.10	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1268	ND	0.10	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.10	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.808		mg/Kg wet	1.00		80.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.04		mg/Kg wet	1.00		104	30-150			
Surrogate: Tetrachloro-m-xylene	0.849		mg/Kg wet	1.00		84.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.915		mg/Kg wet	1.00		91.5	30-150			

##### LCS (B125047-BS1)

Prepared: 06/26/15 Analyzed: 06/29/15

Aroclor-1016	0.92	0.10	mg/Kg wet	1.00		92.1	40-140			
Aroclor-1016 [2C]	1.0	0.10	mg/Kg wet	1.00		103	40-140			
Aroclor-1260	0.95	0.10	mg/Kg wet	1.00		95.5	40-140			V-05
Aroclor-1260 [2C]	1.1	0.10	mg/Kg wet	1.00		107	40-140			
Surrogate: Decachlorobiphenyl	0.950		mg/Kg wet	1.00		95.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.12		mg/Kg wet	1.00		112	30-150			
Surrogate: Tetrachloro-m-xylene	0.934		mg/Kg wet	1.00		93.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.00		mg/Kg wet	1.00		100	30-150			

##### LCS Dup (B125047-BSD1)

Prepared: 06/26/15 Analyzed: 06/29/15

Aroclor-1016	0.89	0.10	mg/Kg wet	1.00		88.9	40-140	3.47	30	
Aroclor-1016 [2C]	1.0	0.10	mg/Kg wet	1.00		100	40-140	2.61	30	
Aroclor-1260	0.89	0.10	mg/Kg wet	1.00		89.3	40-140	6.65	30	V-05
Aroclor-1260 [2C]	1.0	0.10	mg/Kg wet	1.00		100	40-140	6.38	30	
Surrogate: Decachlorobiphenyl	0.873		mg/Kg wet	1.00		87.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.03		mg/Kg wet	1.00		103	30-150			
Surrogate: Tetrachloro-m-xylene	0.898		mg/Kg wet	1.00		89.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.964		mg/Kg wet	1.00		96.4	30-150			

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# QUALITY CONTROL

## Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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### Batch B125047 - SW-846 3540C

Matrix Spike (B125047-MS1)		Source: 15F1347-08		Prepared: 06/26/15 Analyzed: 06/29/15						
Aroclor-1016	1.0	0.54	mg/Kg dry	1.09	ND	93.6	40-140			
Aroclor-1016 [2C]	1.2	0.54	mg/Kg dry	1.09	ND	110	40-140			
Aroclor-1260	1.3	0.54	mg/Kg dry	1.09	ND	123	40-140			V-05
Aroclor-1260 [2C]	1.7	0.54	mg/Kg dry	1.09	ND	156 *	40-140			MS-21
Surrogate: Decachlorobiphenyl	0.746		mg/Kg dry	1.09		68.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.973		mg/Kg dry	1.09		89.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.905		mg/Kg dry	1.09		83.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.988		mg/Kg dry	1.09		90.7	30-150			

Matrix Spike Dup (B125047-MSD1)		Source: 15F1347-08		Prepared: 06/26/15 Analyzed: 06/29/15						
Aroclor-1016	1.2	0.54	mg/Kg dry	1.09	ND	111	40-140	16.8	50	
Aroclor-1016 [2C]	1.4	0.54	mg/Kg dry	1.09	ND	132	40-140	18.5	50	
Aroclor-1260	1.6	0.54	mg/Kg dry	1.09	ND	151 *	40-140	20.2	50	MS-21, V-05
Aroclor-1260 [2C]	2.1	0.54	mg/Kg dry	1.09	ND	190 *	40-140	19.3	50	MS-21
Surrogate: Decachlorobiphenyl	0.943		mg/Kg dry	1.09		86.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.21		mg/Kg dry	1.09		111	30-150			
Surrogate: Tetrachloro-m-xylene	1.15		mg/Kg dry	1.09		106	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.26		mg/Kg dry	1.09		116	30-150			

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QUALITY CONTROL

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B125050 - % Solids

<b>Duplicate (B125050-DUP1)</b>		<b>Source: 15F1347-01</b>		Prepared: 06/26/15 Analyzed: 06/27/15						
% Solids	92.0		% Wt		92.3			0.326	20	
<b>Duplicate (B125050-DUP2)</b>		<b>Source: 15F1347-05</b>		Prepared: 06/26/15 Analyzed: 06/27/15						
% Solids	91.3		% Wt		90.9			0.439	20	

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**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES****01-116 soil***SW-846 8082A*

Lab Sample ID: 15F1347-01 Date(s) Analyzed: 06/29/2015 06/29/2015  
Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_  
GC Column (1): \_\_\_\_\_ ID: \_\_\_\_\_ (mm) GC Column (2): \_\_\_\_\_ ID: \_\_\_\_\_ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	-0.03	0.03	0.69	
	2	0.00	-0.03	0.03	0.94	30.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***02-116 soil**Lab Sample ID: 15F1347-02 Date(s) Analyzed: 06/29/2015 06/29/2015

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	-0.03	0.03	0.58	
	2	0.00	-0.03	0.03	0.81	33.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***03-116 soil**Lab Sample ID: 15F1347-03 Date(s) Analyzed: 06/29/2015 06/29/2015

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	-0.03	0.03	1.0	
	2	0.00	-0.03	0.03	0.80	25.1



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**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

*SW-846 8082A*

**04-117 soil**

Lab Sample ID: 15F1347-04 Date(s) Analyzed: 06/29/2015 06/29/2015  
Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_  
GC Column (1): \_\_\_\_\_ ID: \_\_\_\_\_ (mm) GC Column (2): \_\_\_\_\_ ID: \_\_\_\_\_ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	-0.03	0.03	0.79	
	2	0.00	-0.03	0.03	1.0	23.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

*SW-846 8082A*

**05-117 soil**

Lab Sample ID: 15F1347-05 Date(s) Analyzed: 06/29/2015 06/29/2015

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	-0.03	0.03	0.41	
	2	0.00	-0.03	0.03	0.59	35.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

*SW-846 8082A*

**06-117 soil**

Lab Sample ID: 15F1347-06 Date(s) Analyzed: 06/29/2015 06/29/2015

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	-0.03	0.03	0.34	
	2	0.00	-0.03	0.03	0.48	35.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***07-118 soil**Lab Sample ID: 15F1347-07 Date(s) Analyzed: 06/29/2015 06/29/2015

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	-0.03	0.03	0.30	
	2	0.00	-0.03	0.03	0.44	37.8

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***08-118 soil**Lab Sample ID: 15F1347-08 Date(s) Analyzed: 06/29/2015 06/29/2015

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	-0.03	0.03	0.37	
	2	0.00	-0.03	0.03	0.56	40.6

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***09-118 soil**

Lab Sample ID: 15F1347-09 Date(s) Analyzed: 06/29/2015 06/29/2015  
Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_  
GC Column (1): \_\_\_\_\_ ID: \_\_\_\_\_ (mm) GC Column (2): \_\_\_\_\_ ID: \_\_\_\_\_ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	-0.03	0.03	0.53	
	2	0.00	-0.03	0.03	0.80	40.8

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***10-119 soil**

Lab Sample ID: 15F1347-10 Date(s) Analyzed: 06/29/2015 06/29/2015  
Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_  
GC Column (1): \_\_\_\_\_ ID: \_\_\_\_\_ (mm) GC Column (2): \_\_\_\_\_ ID: \_\_\_\_\_ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	-0.03	0.03	0.35	
	2	0.00	-0.03	0.03	0.50	35.0

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**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

*SW-846 8082A*

**11-119 soil**

Lab Sample ID: 15F1347-11 Date(s) Analyzed: 06/30/2015 06/30/2015  
Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_  
GC Column (1): \_\_\_\_\_ ID: \_\_\_\_\_ (mm) GC Column (2): \_\_\_\_\_ ID: \_\_\_\_\_ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	-0.03	0.03	3.7	
	2	0.00	-0.03	0.03	4.1	9.5



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***12-119 soil**Lab Sample ID: 15F1347-12 Date(s) Analyzed: 06/30/2015 06/30/2015

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	-0.03	0.03	3.5	
	2	0.00	-0.03	0.03	3.8	8.8

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

13-120 soil

Lab Sample ID: 15F1347-13 Date(s) Analyzed: 06/30/2015 06/30/2015

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	-0.03	0.03	2.9	
	2	0.00	-0.03	0.03	3.1	6.7
Aroclor-1260	1	0.00	-0.03	0.03	0.69	
	2	0.00	-0.03	0.03	0.83	18.9

# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

14-120 soil

Lab Sample ID: 15F1347-14 Date(s) Analyzed: 06/30/2015 06/30/2015

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	-0.03	0.03	2.4	
	2	0.00	-0.03	0.03	2.5	2.4
Aroclor-1260	1	0.00	-0.03	0.03	0.75	
	2	0.00	-0.03	0.03	0.86	14.2

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***15-120 soil**

Lab Sample ID: 15F1347-15 Date(s) Analyzed: 06/30/2015 06/30/2015  
Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_  
GC Column (1): \_\_\_\_\_ ID: \_\_\_\_\_ (mm) GC Column (2): \_\_\_\_\_ ID: \_\_\_\_\_ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	-0.03	0.03	1.5	
	2	0.00	-0.03	0.03	1.6	3.8

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***16-121 soil**

Lab Sample ID: 15F1347-16 Date(s) Analyzed: 06/29/2015 06/29/2015  
Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_  
GC Column (1): \_\_\_\_\_ ID: \_\_\_\_\_ (mm) GC Column (2): \_\_\_\_\_ ID: \_\_\_\_\_ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	-0.03	0.03	0.80	
	2	0.00	-0.03	0.03	1.1	31.7

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**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

*SW-846 8082A*

**17-121 soil**

Lab Sample ID: 15F1347-17 Date(s) Analyzed: 06/30/2015 06/30/2015

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	-0.03	0.03	1.3	
	2	0.00	-0.03	0.03	1.5	10.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***18-121 soil**Lab Sample ID: 15F1347-18 Date(s) Analyzed: 06/29/2015 06/29/2015

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	-0.03	0.03	0.95	
	2	0.00	-0.03	0.03	1.2	23.3

# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B125047-BS1 Date(s) Analyzed: 06/29/2015 06/29/2015

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.92	
	2	0.00	-0.03	0.03	1.0	8
Aroclor-1260	1	0.00	-0.03	0.03	0.95	
	2	0.00	-0.03	0.03	1.1	14



# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B125047-BSD1 Date(s) Analyzed: 06/29/2015 06/29/2015

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.89	
	2	0.00	-0.03	0.03	1.0	12
Aroclor-1260	1	0.00	-0.03	0.03	0.89	
	2	0.00	-0.03	0.03	1.0	11

# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike

Lab Sample ID: B125047-MS1 Date(s) Analyzed: 06/29/2015 06/29/2015

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	1.0	
	2	0.00	-0.03	0.03	1.2	16
Aroclor-1260	1	0.00	-0.03	0.03	1.3	
	2	0.00	-0.03	0.03	1.7	24

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

Lab Sample ID: B125047-MSD1 Date(s) Analyzed: 06/29/2015 06/29/2015  
Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_  
GC Column (1): \_\_\_\_\_ ID: \_\_\_\_\_ (mm) GC Column (2): \_\_\_\_\_ ID: \_\_\_\_\_ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	1.2	
	2	0.00	-0.03	0.03	1.4	15
Aroclor-1260	1	0.00	-0.03	0.03	1.6	
	2	0.00	-0.03	0.03	2.1	25

**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
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
P-01	Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.
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
<b>SW-846 8082A in Soil</b>	
Aroclor-1016	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA,NJ

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2016
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2016
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015



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## CHAIN OF CUSTODY RECORD

39 Spruce Street  
East longmeadow, MA 01028

Page \_\_\_\_ of \_\_\_\_

Company Name: AMC Environmental

Address: P.O. Box 423

Stratford, CT 06615

Attention: Jason Pringle

Project Location: *Osborn School*

Sampled By: *B. Graham*

Project Proposal Provided? (for billing purposes)  
☐ yes ☐ no proposal date

Telephone: 203-378-5020

Project #

Client PO#

DATA DELIVERY (check all that apply)  
☐ FAX ☒ EMAIL ☐ WEBSITE

Fax #

Email: *results@amcenviro.com*

Format:  
☒ PDF ☐ EXCEL ☐ GIS  
☐ OTHER

☐ "Enhanced Data Package"

\*Matrix Conc Code

Composite Grab

Soxhlet 8082A

Collection

Beginning Date/Time

Ending Date/Time

Client Sample ID / Description

01- 116 Soil

02- 116 Soil

03- 116 Soil

04- 117 Soil

05- 117 Soil

06- 117 Soil

07- 118 Soil

08- 118 Soil

09- 118 Soil

10- 119 Soil

Comments:

Relinquished by: (signature)

Received by: (signature)

Relinquished by: (signature)

Received by: (signature)

Date/Time:

Date/Time:

Date/Time:

Date/Time:

Turnaround

7-Day

10-Day

Other

RUSH

24-Hr

48-Hr

72-Hr

14-Day

Require lab approval

Detection Limit Requirements

Massachusetts:

Connecticut:

Other:

Is your project MCP or RCP ?

☐ MCP Form Required

☐ RCP Form Required

☐ MA State DW Form Required PWSID #



NELAC & AIHA Certified  
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 IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT





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Page 1 of 2

Table of Contents



## Sample Receipt Checklist

CLIENT NAME: AMC Environmental RECEIVED BY: BLF DATE: 6/26/15

1) Was the chain(s) of custody relinquished and signed? ☒ Yes ☐ No ☐ No CoC Included

2) Does the chain agree with the samples? ☒ Yes ☐ No

If not, explain:

3) Are all the samples in good condition? ☒ Yes ☐ No

If not, explain:

4) How were the samples received:

On Ice ☐ Direct from Sampling ☒ Ambient ☒ In Cooler(s) ☐

Were the samples received in Temperature Compliance of (2-6°C)? Yes ☐ No ☒ N/A

Temperature °C by Temp blank \_\_\_\_\_ Temperature °C by Temp gun 21.1°C

5) Are there Dissolved samples for the lab to filter? Yes ☐ No ☒

Who was notified \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

6) Are there any RUSH or SHORT HOLDING TIME samples? ☒ Yes ☐ No

Who was notified \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

7) Location where samples are stored:



Permission to subcontract samples? Yes ☐ No ☐  
(Walk-in clients only) if not already approved  
Client Signature: \_\_\_\_\_

8) Do all samples have the proper Acid pH: Yes ☐ No ☒ N/A

9) Do all samples have the proper Base pH: Yes ☐ No ☒ N/A

10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes ☐ No ☒ N/A

### Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	18
1 Liter Plastic		Plastic Bag / Ziploc	
500 mL Plastic		SOC Kit	
250 mL plastic		Non-ConTest Container	
40 mL Vial - type listed below		Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl \_\_\_\_\_ # Methanol \_\_\_\_\_  
# Bisulfate \_\_\_\_\_ # DI Water \_\_\_\_\_  
# Thiosulfate \_\_\_\_\_ Unpreserved \_\_\_\_\_

Time and Date Frozen:

Doc# 277

Rev. 4 August 2013



Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

<u>Question</u>	<u>Answer (True/False)</u>	<u>Comment</u>
	<u>T/F/NA</u>	
1) The cooler's custody seal, if present, is intact.	T	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	F	direct from sampling
4) Cooler Temperature is acceptable.	N/A	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	NA	
14) Sample collection date/times are provided.	T	
15) Appropriate sample containers are used.	T	
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	T	
18) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	NA	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	NA	
21) Samples do not require splitting or compositing.	T	

Who notified of False statements?

Date/Time:

Doc #277 Rev. 4 August 2013

Log-In Technician Initials:

Date/Time:

RLF 6/26/15 1705