


June 30, 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: 15F1349

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,

A handwritten signature in black ink, appearing to read "Steven Case", written in a cursive style.

Steven M. Case  
Project Manager

## Table of Contents

Sample Summary	3
Case Narrative	4
Sample Results	5
15F1349-01	5
15F1349-02	6
15F1349-03	7
15F1349-04	8
15F1349-05	9
15F1349-06	10
15F1349-07	11
15F1349-08	12
Sample Preparation Information	13
QC Data	14
Polychlorinated Biphenyls with 3540 Soxhlet Extraction	14
B125048	14
Dual Column RPD Report	16
Flag/Qualifier Summary	20
Certifications	21
Chain of Custody/Sample Receipt	22

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

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

REPORT DATE: 6/30/2015

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 15F1349

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
19-106 brick	15F1349-01	Product/Solid		SW-846 8082A	
20-106 mortar	15F1349-02	Product/Solid		SW-846 8082A	
21-105 brick	15F1349-03	Product/Solid		SW-846 8082A	
22-105 mortar	15F1349-04	Product/Solid		SW-846 8082A	
60-143N brick	15F1349-05	Product/Solid		SW-846 8082A	
61-143N mortar	15F1349-06	Product/Solid		SW-846 8082A	
62-143S brick	15F1349-07	Product/Solid		SW-846 8082A	
63-143S mortar	15F1349-08	Product/Solid		SW-846 8082A	

**CASE NARRATIVE SUMMARY**

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

**SW-846 8082A****Qualifications:****L-02**

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

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

B125048-BS1, B125048-BSD1

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

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



Tod E. Kopycinski  
Laboratory Director

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

Project Location: Osborn School

Sample Description:

Work Order: 15F1349

Date Received: 6/26/2015

Field Sample #: 19-106 brick

Sampled: 6/26/2015 00:00

Sample ID: 15F1349-01

Sample Matrix: Product/Solid

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 19:47	KAL
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 19:47	KAL
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 19:47	KAL
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 19:47	KAL
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 19:47	KAL
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 19:47	KAL
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 19:47	KAL
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 19:47	KAL
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 19:47	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	91.3	30-150							
Decachlorobiphenyl [2]	77.6	30-150							
Tetrachloro-m-xylene [1]	93.0	30-150							
Tetrachloro-m-xylene [2]	84.2	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: 15F1349

Date Received: 6/26/2015

Field Sample #: 20-106 mortar

Sampled: 6/26/2015 00:00

Sample ID: 15F1349-02

Sample Matrix: Product/Solid

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:00	KAL
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:00	KAL
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:00	KAL
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:00	KAL
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:00	KAL
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:00	KAL
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:00	KAL
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:00	KAL
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:00	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	97.0	30-150							
Decachlorobiphenyl [2]	83.3	30-150							
Tetrachloro-m-xylene [1]	96.4	30-150							
Tetrachloro-m-xylene [2]	86.4	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: 15F1349

Date Received: 6/26/2015

Field Sample #: 21-105 brick

Sampled: 6/26/2015 00:00

Sample ID: 15F1349-03

Sample Matrix: Product/Solid

### Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:13	KAL
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:13	KAL
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:13	KAL
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:13	KAL
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:13	KAL
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:13	KAL
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:13	KAL
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:13	KAL
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:13	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	84.1	30-150							
Decachlorobiphenyl [2]	71.6	30-150							
Tetrachloro-m-xylene [1]	92.1	30-150							
Tetrachloro-m-xylene [2]	83.9	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: 15F1349

Date Received: 6/26/2015

Field Sample #: 22-105 mortar

Sampled: 6/26/2015 00:00

Sample ID: 15F1349-04

Sample Matrix: Product/Solid

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:26	KAL
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:26	KAL
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:26	KAL
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:26	KAL
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:26	KAL
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:26	KAL
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:26	KAL
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:26	KAL
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:26	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	98.8	30-150							
Decachlorobiphenyl [2]	82.7	30-150							
Tetrachloro-m-xylene [1]	91.8	30-150							
Tetrachloro-m-xylene [2]	81.2	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: 15F1349

Date Received: 6/26/2015

Field Sample #: 60-143N brick

Sampled: 6/26/2015 00:00

Sample ID: 15F1349-05

Sample Matrix: Product/Solid

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:39	KAL
Aroclor-1221 [1]	ND	0.20	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:39	KAL
Aroclor-1232 [1]	ND	0.20	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:39	KAL
Aroclor-1242 [1]	ND	0.20	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:39	KAL
Aroclor-1248 [1]	ND	0.20	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:39	KAL
Aroclor-1254 [1]	ND	0.20	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:39	KAL
Aroclor-1260 [1]	ND	0.20	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:39	KAL
Aroclor-1262 [1]	ND	0.20	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:39	KAL
Aroclor-1268 [1]	ND	0.20	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:39	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	96.8	30-150							
Decachlorobiphenyl [2]	81.0	30-150							
Tetrachloro-m-xylene [1]	77.9	30-150							
Tetrachloro-m-xylene [2]	70.0	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: 15F1349

Date Received: 6/26/2015

Field Sample #: 61-143N mortar

Sampled: 6/26/2015 00:00

Sample ID: 15F1349-06

Sample Matrix: Product/Solid

### Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:51	KAL
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:51	KAL
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:51	KAL
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:51	KAL
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:51	KAL
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:51	KAL
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:51	KAL
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:51	KAL
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 20:51	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	100	30-150							
Decachlorobiphenyl [2]	83.9	30-150							
Tetrachloro-m-xylene [1]	94.5	30-150							
Tetrachloro-m-xylene [2]	83.5	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: 15F1349

Date Received: 6/26/2015

Field Sample #: 62-143S brick

Sampled: 6/26/2015 00:00

Sample ID: 15F1349-07

Sample Matrix: Product/Solid

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 21:04	KAL
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 21:04	KAL
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 21:04	KAL
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 21:04	KAL
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 21:04	KAL
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 21:04	KAL
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 21:04	KAL
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 21:04	KAL
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 21:04	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	98.8	30-150							
Decachlorobiphenyl [2]	82.9	30-150							
Tetrachloro-m-xylene [1]	96.4	30-150							
Tetrachloro-m-xylene [2]	85.3	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: 15F1349

Date Received: 6/26/2015

Field Sample #: 63-143S mortar

Sampled: 6/26/2015 00:00

Sample ID: 15F1349-08

Sample Matrix: Product/Solid

### Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 21:17	KAL
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 21:17	KAL
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 21:17	KAL
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 21:17	KAL
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 21:17	KAL
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 21:17	KAL
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 21:17	KAL
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 21:17	KAL
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/26/15	6/29/15 21:17	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	93.5	30-150							
Decachlorobiphenyl [2]	78.7	30-150							
Tetrachloro-m-xylene [1]	90.3	30-150							
Tetrachloro-m-xylene [2]	80.0	30-150							

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
15F1349-01 [19-106 brick]	B125048	2.03	10.0	06/26/15
15F1349-02 [20-106 mortar]	B125048	2.06	10.0	06/26/15
15F1349-03 [21-105 brick]	B125048	2.04	10.0	06/26/15
15F1349-04 [22-105 mortar]	B125048	2.02	10.0	06/26/15
15F1349-05 [60-143N brick]	B125048	1.01	10.0	06/26/15
15F1349-06 [61-143N mortar]	B125048	2.07	10.0	06/26/15
15F1349-07 [62-143S brick]	B125048	2.08	10.0	06/26/15
15F1349-08 [63-143S mortar]	B125048	2.02	10.0	06/26/15

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

# QUALITY CONTROL

## Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B125048 - SW-846 3540C</b>										
<b>Blank (B125048-BLK1)</b>										
Prepared: 06/26/15 Analyzed: 06/29/15										
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	1.05		mg/Kg	1.00		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.888		mg/Kg	1.00		88.9	30-150			
Surrogate: Tetrachloro-m-xylene	1.00		mg/Kg	1.00		100	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.894		mg/Kg	1.00		89.4	30-150			
<b>LCS (B125048-BS1)</b>										
Prepared: 06/26/15 Analyzed: 06/29/15										
Aroclor-1016	0.32	0.097	mg/Kg	0.242		132	40-140			
<b>Aroclor-1016 [2C]</b>	0.35	0.097	mg/Kg	0.242		<b>143</b>	* 40-140			L-02
Aroclor-1260	0.30	0.097	mg/Kg	0.242		123	40-140			
Aroclor-1260 [2C]	0.27	0.097	mg/Kg	0.242		110	40-140			
Surrogate: Decachlorobiphenyl	1.01		mg/Kg	0.968		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.849		mg/Kg	0.968		87.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.960		mg/Kg	0.968		99.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.853		mg/Kg	0.968		88.2	30-150			
<b>LCS Dup (B125048-BSD1)</b>										
Prepared: 06/26/15 Analyzed: 06/29/15										
Aroclor-1016	0.34	0.099	mg/Kg	0.248		138	40-140	7.18	30	
<b>Aroclor-1016 [2C]</b>	0.35	0.099	mg/Kg	0.248		<b>143</b>	* 40-140	2.48	30	L-02
Aroclor-1260	0.29	0.099	mg/Kg	0.248		119	40-140	0.698	30	
Aroclor-1260 [2C]	0.26	0.099	mg/Kg	0.248		106	40-140	0.472	30	
Surrogate: Decachlorobiphenyl	0.997		mg/Kg	0.993		100	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.838		mg/Kg	0.993		84.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.987		mg/Kg	0.993		99.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.877		mg/Kg	0.993		88.3	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 B125048 - SW-846 3540C

Matrix Spike (B125048-MS1)	Source: 15F1349-05			Prepared: 06/26/15 Analyzed: 06/30/15						
Aroclor-1016	0.59	0.19	mg/Kg	0.475	ND	125	40-140			
Aroclor-1016 [2C]	0.54	0.19	mg/Kg	0.475	ND	114	40-140			
Aroclor-1260	0.55	0.19	mg/Kg	0.475	ND	116	40-140			
Aroclor-1260 [2C]	0.49	0.19	mg/Kg	0.475	ND	103	40-140			
Surrogate: Decachlorobiphenyl	1.77		mg/Kg	1.90		93.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.48		mg/Kg	1.90		78.1	30-150			
Surrogate: Tetrachloro-m-xylene	1.87		mg/Kg	1.90		98.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.67		mg/Kg	1.90		88.0	30-150			

Matrix Spike Dup (B125048-MSD1)	Source: 15F1349-05			Prepared: 06/26/15 Analyzed: 06/30/15						
Aroclor-1016	0.56	0.18	mg/Kg	0.457	ND	123	40-140	5.41	50	
Aroclor-1016 [2C]	0.50	0.18	mg/Kg	0.457	ND	109	40-140	7.95	50	
Aroclor-1260	0.51	0.18	mg/Kg	0.457	ND	112	40-140	7.45	50	
Aroclor-1260 [2C]	0.45	0.18	mg/Kg	0.457	ND	98.8	40-140	7.93	50	
Surrogate: Decachlorobiphenyl	1.70		mg/Kg	1.83		92.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.42		mg/Kg	1.83		77.7	30-150			
Surrogate: Tetrachloro-m-xylene	1.70		mg/Kg	1.83		93.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.50		mg/Kg	1.83		82.2	30-150			

# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B125048-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	0.00	0.00	0.32	
	2	0.00	0.00	0.00	0.35	9
Aroclor-1260	1	0.00	0.00	0.00	0.30	
	2	0.00	0.00	0.00	0.27	9



# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B125048-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	0.00	0.00	0.34	
	2	0.00	0.00	0.00	0.35	2
Aroclor-1260	1	0.00	0.00	0.00	0.29	
	2	0.00	0.00	0.00	0.26	12

# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

*SW-846 8082A*

**Matrix Spike**

Lab Sample ID: B125048-MS1 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-1016	1	0.00	0.00	0.00	0.59	
	2	0.00	0.00	0.00	0.54	9
Aroclor-1260	1	0.00	0.00	0.00	0.55	
	2	0.00	0.00	0.00	0.49	12

# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B125048-MSD1 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-1016	1	0.00	0.00	0.00	0.56	
	2	0.00	0.00	0.00	0.50	12
Aroclor-1260	1	0.00	0.00	0.00	0.51	
	2	0.00	0.00	0.00	0.45	13

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
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

# CERTIFICATIONS

## Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA,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

Page 22 of 25 15F1349\_1 Contest\_Final 06 30 15 1708





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



Page 1 of 2

## Sample Receipt Checklist

CLIENT NAME: AMC Environmental RECEIVED BY: RLF 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

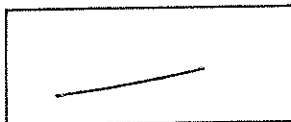
5) Are there Dissolved samples for the lab to filter? Yes No

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	
1 Liter Plastic		Plastic Bag / Ziploc	<u>8</u>
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

Question	Any False statement will be brought to the attention of the supervisor		Comment
	Answer (True/False)		
	T/F/NA		
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		

Doc #277 Rev. 4 August 2013

Who notified of False statements?

Log-In Technician Initials:

Date/Time:

Date/Time:

RLF W26/15 1705