



ENVIRONMENTAL, LLC

March 24, 2015

Mr. Sal Morabito
Fairfield Public Schools
501 Kings Highway East
Fairfield, CT 06824

RE: PCB Interim Clearance Report at Osborne Hill Elementary School in Fairfield, CT
Windows and Gymnasium Remediation Summer and Fall 2014

Dear Mr. Morabito:

AMC
Environmental,
LLC

Phone:
203.378.5020
Fax:
203.375.7344
Email:
amc@amcenviro.com

P.O Box 423
Stratford, CT
06615

INTRODUCTION

AMC Environmental, LLC was retained by Fairfield Public Schools to conduct project monitoring at Osborn Hill School in Fairfield, Connecticut during the PCB Remediation performed by Environmental Consulting and Contracting (ENCO). ENCO is a licensed abatement firm that is trained to handle Hazardous materials. ENCO was contracted to remove Federally Regulated PCB containing window caulking/glazing and adjacent porous masonry materials within Osborn Hill School by the Fairfield Board of Education that were previously identified by AMC Environmental. AMC provided continuous monitoring to ensure the work areas were properly isolated from non-work areas and that no breeches in the containments occurred during abatement. Additionally, AMC obtained continuous particulate air monitoring data around the work areas both prior to and during abatement.

BACKGROUND

The removal of PCB containing materials was separated into 3 sections: window removal, paint removal (hallways) and gymnasium abatement. The window removal commenced on July 10, 2014 and continued through until July 28, 2014. The hallway abatement commenced on July 28, 2014 and continued through August 18, 2014 and the gymnasium abatement commenced on August 18, 2014 and is in the re-building stage (a report will be issued separately, upon 100% completion).

REMEDIATION AND CONTROLS

All easily moveable items were removed from the work areas prior to the beginning of the abatement and negative pressure air scrubbers were installed inside each room of each work area. Each work area was segregated from non-work areas by the means of containments consisting of poly sheeting. Classroom containments consisted of three classrooms. The hallway containments were segregated into two containments.

Following the removal of the windows, and contaminated adjacent masonry materials, ENCO proceeded to final cleaning all surfaces within each of the window containments including their tools and equipment. Upon successful cleaning of the work area, AMC Environmental performed a post abatement visual inspection within each work area. This included the window openings, exposed surfaces, polyethylene sheeting associated with the containment, tools and equipment. After, passing the visual inspection process, AMC Environmental collected air, chip and dust wipe samples from within the containments for clearance requirements. The results of the sampling are explained below.

SAMPLING AND RESULTS

Air Samples

Air samples were obtained from within each containment upon completion of abatement work and cleaning. The windows and surround PCB contaminated substrates (CMU block, CMU mortar, brick and brick mortar) were removed from Rooms 116, 117, 118, 119, 120, 121, 122, 123 and 124. The PCB containing paint was removed from the CMU block walls in the hallways outside 112-115. The Hallway outside Room 119 and the Main Hallway also had PCB containing stone tile and sealant removed. The following are the results of the air samples obtained following the remediation activities in each of the above mentioned areas (See Table 1 for PCB Air sample results).

All air samples were analyzed using EPA Method TO-10A for PCB Homolog Analysis and were submitted to Con-Test Analytical Laboratories in East Longmeadow, MA.

Table 1 – PCB Air Samples

Date	Location	Results ng/m ³
Window Removal		
July 27, 2014	Room 119*	110
July 31, 2014	Room 120*	110
August 9, 2014	Rooms 121-119*	37
July 27, 2014	Room 122	19
July 30, 2014	Room 116-118	50
Paint & Tile/Sealant Removal		
August 14, 2014	Hallway outside Room 119	13
August 11, 2014	Main Hallway	44
August 14, 2014	Hallway	100

The EPA recommended limit for air samples is 100 ng/m³

** Please note: samples in Rooms 119 and 120 were initially unacceptable; however follow-up sampling was done in both areas and is listed on the table as Rooms 121-119.*

Chip Samples

PCB chip samples were obtained from representative substrates that were in contact with the PCB containing caulk/paint. Following remediation, chip samples were obtained to verify that all building materials (brick/mortar/CMU block) that contained PCBs were removed. The chip samples were obtained from CMU block, CMU mortar, brick and brick mortar in the areas where window and surround substrate was removed. The chip samples were obtained from the CMU block and CMU mortar in the hallways in which PCB contain paint was removed (See Table 2 for PCB chip sample results).

Chip samples were analyzed using EPA Method 8082 with extraction performed by EPA Method 3540C and were submitted to Con-Test Analytical Laboratories in East Longmeadow, MA.

Table 2 – PCB Chip Samples

Date	Substrate	Location	Results PPM
Window Removal			
7/30/14	Brick	Room 116	ND
7/30/14	CMU block	Room 116	0.11
7/30/14	Brick mortar	Room 117	ND
7/30/14	CMU mortar	Room 117	ND
7/30/14	Brick	Room 118	ND
7/30/14	CMU block	Room 118	0.11
7/27/14	Brick mortar	Room 119	ND
7/27/14	Brick	Room 119	ND
7/27/14	CMU block	Room 119	0.13
7/27/14	CMU mortar	Room 119	ND
7/27/14	Brick mortar	Room 120	ND
7/27/14	Brick	Room 120	ND
7/27/14	CMU block	Room 120	ND
7/27/14	CMU mortar	Room 120	ND
7/27/14	Brick mortar	Room 121	ND
7/27/14	Brick	Room 121	ND
7/27/14	CMU block	Room 121	0.1
7/27/14	CMU mortar	Room 121	ND
7/27/14	CMU mortar	Room 122	ND
7/27/14	Brick	Room 122	ND
7/27/14	CMU block	Room 123	0.13
7/27/14	Brick	Room 123	ND
7/27/14	CMU block	Room 124	0.2
7/27/14	Brick mortar	Room 124	ND
Paint Removal			
7/30/14	CMU block	Hallway	ND
7/30/14	CMU block w/ paint	Hallway	ND
7/30/14	Skim coat	Hallway	ND
8/13/14	CMU block	Hallway Paint	ND
(17 samples in total, obtained from hallway paint CMU block documented ND)			
8/13/14	CMU mortar	Hallway Paint	ND
(19 samples in total obtained from hallway paint CMU mortar documented ND)			

Table 2 – PCB Chip Samples (cont'd)

Date	Substrate	Location	Results PPM
Paint Removal			
8/13/14	CMU block	Hallway paint	0.37
8/13/14	CMU block	Hallway paint	0.13
8/13/14	CMU block	Hallway paint	0.12
8/13/14	CMU mortar	Hallway paint	0.1
Tile/Sealant Removal			
7/30/14	Slab	Hallway	ND
8/9/14	Slab	Hallway o/s 119	ND
8/9/14	Slab	Hallway o/s 119	ND
8/9/14	Slab	Hallway o/s 119	ND
8/9/14	Slab	Hallway o/s 119	ND
8/9/14	CMU block	Hallway o/s 119	ND
8/9/14	CMU mortar	Hallway o/s 119	ND
8/10/14	Slab	Main Hallway	ND
(17 samples obtained from Main Hallway slab documented ND)			
8/9/14	Slab	Main Hallway	0.26
8/9/14	Slab	Main Hallway	0.13
8/9/14	Slab	Main Hallway	0.54
8/9/14	Slab	Main Hallway	0.26

1 PPM is the recommended limit for surfaces within dermal contact set forth by the EPA and the CT DEEP

Wipe Samples

PCB wipe samples were obtained from the poly sheeting on the walls within each containment. Wipe samples were obtained to verify that all areas were cleaned and no PCB containing dust was present prior to removing the containment (See Table 2 for PCB wipe sample results).

Wipe samples were analyzed using EPA Method 8082 with extraction performed by EPA Method 3540C and were submitted to Con-Test Analytical Laboratories in East Longmeadow, MA.

Table 3 – PCB Wipe Samples

Date	Surface	Location	Results $\mu\text{g}/100\text{cm}^2$
Window Removal			
7/27/14	Poly wall (ext.)	Room 119	ND
7/27/14	Poly floor (int.)	Room 119	ND
7/27/14	Poly wall (ext.)	Room 120	ND
7/27/14	Poly wall (int.)	Room 120	ND
7/27/14	Poly wall (ext.)	Room 121	ND
7/27/14	Poly wall (int.)	Room 121	ND
7/27/14	Poly (ext.)	Room 122	ND
7/27/14	Poly wall (int.)	Room 122	ND
7/27/14	Poly wall (ext.)	Room 123	ND

Table 3 – PCB Wipe Samples (cont'd)

Date	Surface	Location	Results µg/100cm ²
Window Removal			
7/27/14	Poly wall (int.)	Room 123	ND
7/27/14	Poly wall (ext.)	Room 124	ND
7/27/14	Poly wall (int.)	Room 124	ND
7/30/14	Poly (ext.)	Room 116	ND
7/30/14	Poly (Int.)	Room 116	ND
7/30/14	Poly (ext.)	Room 117	ND
7/30/14	Poly (int.)	Room 117	ND
7/30/14	Poly (ext.)	Room 118	ND
7/30/14	Poly (int.)	Room 118	ND
Paint & Tile/Sealant Removal			
8/9/14	Poly wall	Hallway o/s 119	ND
8/9/14	Poly wall	Hallway o/s 119	ND
8/10/14	Poly	Main Hallway	ND
8/10/14	Poly	Main Hallway	ND
8/10/14	Metal	Main Hallway	0.25
8/14/14	Metal	Main Hallway	ND
8/10/14	Metal	Main Hallway	0.68
8/10/14	Metal	Main Hallway	0.32
8/10/14	Metal	Main Hallway	0.32
8/10/14	Metal	Main Hallway	0.28
8/10/14	Metal	Main Hallway	ND
8/10/14	Metal	Main hallway	0.38
8/14/14	Cove base	Main Hallway	ND
8/13/14	Poly	Hallway Paint	ND
8/13/14	Equipment	Hallway Paint	ND

1 µg/100 cm² is the recommended limit for surfaces within dermal contact set forth by the EPA and the CT DEEP

CONCLUSION

In closing, the samples obtained during this final clearance sampling inspection document acceptable results following the window removal, paint removal (hallways) and the tile/sealant removal from the hallways (a separate report will be issued upon the completion of the gymnasium remediation). The samples (air, chip and dust wipes) illustrate acceptable levels of PCB concentrations within the school that are in compliance with the EPA approved remediation plans.

Based on sample results, all portions of the building were remediated documented acceptable PCB levels in both the air, chip and dust. Please note, Phase II, which includes the remaining windows of the school, will be removed during the summer of 2015. All of these windows contain non-regulated PCB caulk/glazing except for several windows.

Very truly yours,



Jason Pringle
Principal

Laboratory Results – PCB Air Samples



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

August 5, 2014

Sandy Owen
AMC Environmental, LLC
PO Box 423
Stratford, CT 06615

Project Location: Osborn School
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 14G1374

Enclosed are results of analyses for samples received by the laboratory on July 30, 2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Lisa A. Worthington". The signature is fluid and cursive, with "Lisa" and "Worthington" being the most distinct parts.

Lisa A. Worthington
Project Manager

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AMC Environmental, LLC
PO Box 423
Stratford, CT 06615
ATTN: Sandy Owen

REPORT DATE: 8/5/2014

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 14G1374

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
A0730-01	14G1374-01	Air	windows 116-118	TO-10A/EPA 680 Modified	
A0730-02	14G1374-02	Air	blank	TO-10A/EPA 680 Modified	



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CASE NARRATIVE SUMMARY

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

REVISED REPORT 08-05-14: The air volume has been added to sample 14G1374-01.

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".

Lisa A. Worthington
Project Manager

ANALYTICAL RESULTS

Project Location: Osborn School

Date Received: 7/30/2014

Field Sample #: A0730-01**Sample ID:** 14G1374-01

Sample Matrix: Air

Sampled: 7/30/2014 00:00

Sample Description/Location: windows 116-118

Sub Description/Location:

Work Order: 14G1374

Flow Controller ID:

Sample Type:

Air Volume L: 1500

TO-10A/EPA 680 Modified

Analyte	Total µg			ug/m3			Date/Time		
	Results	RL	Flag/Qual	Results	RL	Dilution	Analyzed	Analyst	
Monochlorobiphenyls	ND	0.0010		ND	0.00067	1	8/4/14 15:55	CJM	
Dichlorobiphenyls	ND	0.0010		ND	0.00067	1	8/4/14 15:55	CJM	
Trichlorobiphenyls	ND	0.0010		ND	0.00067	1	8/4/14 15:55	CJM	
Tetrachlorobiphenyls	0.022	0.0020		0.015	0.0013	1	8/4/14 15:55	CJM	
Pentachlorobiphenyls	0.044	0.0020		0.029	0.0013	1	8/4/14 15:55	CJM	
Hexachlorobiphenyls	0.0078	0.0020		0.0052	0.0013	1	8/4/14 15:55	CJM	
Heptachlorobiphenyls	ND	0.0030		ND	0.002	1	8/4/14 15:55	CJM	
Octachlorobiphenyls	ND	0.0030		ND	0.002	1	8/4/14 15:55	CJM	
Nonachlorobiphenyls	ND	0.0050		ND	0.0033	1	8/4/14 15:55	CJM	
Decachlorobiphenyl	ND	0.0050		ND	0.0033	1	8/4/14 15:55	CJM	
Total Polychlorinated biphenyls	0.074			0.050		1	8/4/14 15:55	CJM	
Surrogates		% Recovery			% REC Limits				
Tetrachloro-m-xylene		75.7			50-125			8/4/14 15:55	

ANALYTICAL RESULTS

Project Location: Osborn School

Date Received: 7/30/2014

Field Sample #: A0730-02**Sample ID:** 14G1374-02

Sample Matrix: Air

Sampled: 7/30/2014 00:00

Sample Description/Location: blank

Sub Description/Location:

Work Order: 14G1374

Flow Controller ID:

Sample Type:

TO-10A/EPA 680 Modified

Analyte	Total µg			Date/Time		
	Results	RL	Flag/Qual	Dilution	Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		1	8/4/14 16:24	CJM
Dichlorobiphenyls	ND	0.0010		1	8/4/14 16:24	CJM
Trichlorobiphenyls	ND	0.0010		1	8/4/14 16:24	CJM
Tetrachlorobiphenyls	ND	0.0020		1	8/4/14 16:24	CJM
Pentachlorobiphenyls	ND	0.0020		1	8/4/14 16:24	CJM
Hexachlorobiphenyls	ND	0.0020		1	8/4/14 16:24	CJM
Heptachlorobiphenyls	ND	0.0030		1	8/4/14 16:24	CJM
Octachlorobiphenyls	ND	0.0030		1	8/4/14 16:24	CJM
Nonachlorobiphenyls	ND	0.0050		1	8/4/14 16:24	CJM
Decachlorobiphenyl	ND	0.0050		1	8/4/14 16:24	CJM
Total Polychlorinated biphenyls	0.0			1	8/4/14 16:24	CJM
Surrogates		% Recovery		% REC Limits		
Tetrachloro-m-xylene		77.4		50-125		
						8/4/14 16:24



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Sample Extraction Data

Prep Method: SW-846 3540C-TO-10A/EPA 680 Modified

Lab Number [Field ID]	Batch	Initial [Cartridge]	Final [mL]	Date
14G1374-01 [A0730-01]	B101572	1.00	1.00	08/01/14
14G1374-02 [A0730-02]	B101572	1.00	1.00	08/01/14



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QUALITY CONTROL

PCB Homologues by GC/MS with Soxhlet Extraction - Quality Control

Analyte	Total µg Results	ug/m3 RL	Spike Level Results	Source Total µg	%REC Result	%REC Limits	RPD RPD	RPD Limit	Flag/Qual
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Batch B101572 - SW-846 3540C

Blank (B101572-BLK2)	Prepared: 08/01/14 Analyzed: 08/04/14							
Monochlorobiphenyls	ND	0.0010						
Dichlorobiphenyls	ND	0.0010						
Trichlorobiphenyls	ND	0.0010						
Tetrachlorobiphenyls	ND	0.0020						
Pentachlorobiphenyls	ND	0.0020						
Hexachlorobiphenyls	ND	0.0020						
Heptachlorobiphenyls	ND	0.0030						
Octachlorobiphenyls	ND	0.0030						
Nonachlorobiphenyls	ND	0.0050						
Decachlorobiphenyl	ND	0.0050						
Total Polychlorinated biphenyls	0.0							
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.158</i>		<i>0.200</i>		<i>79.2</i>		<i>50-125</i>	

LCS (B101572-BS1)	Prepared: 08/01/14 Analyzed: 08/04/14							
Monochlorobiphenyls	0.15	0.0010		0.200	76.9	40-140		
Dichlorobiphenyls	0.15	0.0010		0.200	73.8	40-140		
Trichlorobiphenyls	0.14	0.0010		0.200	72.1	40-140		
Tetrachlorobiphenyls	0.29	0.0020		0.400	73.7	40-140		
Pentachlorobiphenyls	0.30	0.0020		0.400	75.7	40-140		
Hexachlorobiphenyls	0.30	0.0020		0.400	73.8	40-140		
Heptachlorobiphenyls	0.45	0.0030		0.600	75.4	40-140		
Octachlorobiphenyls	0.44	0.0030		0.600	73.6	40-140		
Nonachlorobiphenyls	0.79	0.0050		1.00	79.2	40-140		
Decachlorobiphenyl	0.77	0.0050		1.00	76.7	40-140		
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.159</i>		<i>0.200</i>		<i>79.5</i>		<i>50-125</i>	

LCS Dup (B101572-BSD1)	Prepared: 08/01/14 Analyzed: 08/04/14							
Monochlorobiphenyls	0.16	0.0010		0.200	79.4	40-140	3.15	50
Dichlorobiphenyls	0.15	0.0010		0.200	74.6	40-140	1.05	50
Trichlorobiphenyls	0.14	0.0010		0.200	71.9	40-140	0.244	50
Tetrachlorobiphenyls	0.30	0.0020		0.400	74.3	40-140	0.892	50
Pentachlorobiphenyls	0.30	0.0020		0.400	74.7	40-140	1.33	50
Hexachlorobiphenyls	0.29	0.0020		0.400	72.6	40-140	1.70	50
Heptachlorobiphenyls	0.44	0.0030		0.600	73.5	40-140	2.62	50
Octachlorobiphenyls	0.44	0.0030		0.600	72.5	40-140	1.51	50
Nonachlorobiphenyls	0.78	0.0050		1.00	78.1	40-140	1.32	50
Decachlorobiphenyl	0.76	0.0050		1.00	75.8	40-140	1.18	50
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.159</i>		<i>0.200</i>		<i>79.4</i>		<i>50-125</i>	



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FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
- † Wide recovery limits established for difficult compound.
- ‡ Wide RPD limits established for difficult compound.
- # Data exceeded client recommended or regulatory level

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.



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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
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TO-10A/EPA 680 Modified in Air

Total Polychlorinated biphenyls	AIHA
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The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

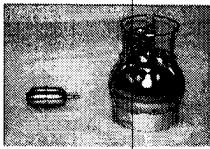
Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2015
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2015
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2015
RI	Rhode Island Department of Health	LAO00112	12/30/2014
NC	North Carolina Div. of Water Quality	652	12/31/2014
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2015
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2014
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2014



Phone: 413-525-2332 AIR SAMPLE CHAIN OF CUSTODY RECORD

39 SPRUCE ST
EAST LONGMEADOW, MA 01028

Page / of
DOC#284 1



www.contestlabs.com



Page 1 of 2

AIR Only Receipt Checklist

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

CLIENT NAME: AMC

RECEIVED BY: RLF

DATE: 7/30/14

1) Was the chain(s) of custody relinquished and signed?

Yes No

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) Are there any samples "On Hold"?

Yes No Stored where: _____

5) Are there any RUSH or SHORT HOLDING TIME samples?

Yes No 4.4°C

Who was notified _____ Date _____ Time _____

6) Location where samples are stored:

1Q

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved

Client Signature: _____

7) Number of cans Individually Certified or Batch Certified? none

Containers received at Con-Test

		# of Containers	Types (Size, Duration)
Summa Cans (TO-14/TO-15/APH)			
Tedlar Bags			
TO-17 Tubes			
Regulators			
Restrictors			
Hg/Hopcalite Tube (NIOSH 6009) (TO-4A/ TO-10/TO-13) PUFs		2	low volume
PCB Florisil Tubes (NIOSH 5503)			
Air cassette			
PM 2.5/PM 10			
TO-11A Cartridges			
Other			

Unused Summas/PUF Media:

Unused Regulators:

1) Was all media (used & unused) checked into the WASP?

2) Were all returned summa cans, Restrictors & Regulators and PUF's documented as returned in the Air Lab Inbound/Outbound Excel Spreadsheet?

Laboratory Comments:

073014-01

072414-04

073014-02

072414-05

Page 2 of 2
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>
	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.	T	
4) Cooler Temperature is acceptable.	T	
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?
Log-In Technician Initials:

Date/Time:
Date/Time:



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August 7, 2014

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

Project Location: Osbourn School
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 14H0069

Enclosed are results of analyses for samples received by the laboratory on August 2, 2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Lisa A. Worthington". The signature is fluid and cursive, with "Lisa" on the first line and "A. Worthington" on the second line.

Lisa A. Worthington
Project Manager

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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: 8/7/2014

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 14H0069

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

PROJECT LOCATION: Osbourn School

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
PCB-07 Room 120	14H0069-01	Air		TO-10A/EPA 680 Modified	



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

CASE NARRATIVE SUMMARY

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

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 "Daren J. Damboragian".

Daren J. Damboragian
Laboratory Manager

ANALYTICAL RESULTS

Project Location: Osbourn School

Date Received: 8/2/2014

Field Sample #: PCB-07 Room 120**Sample ID:** 14H0069-01

Sample Matrix: Air

Sampled: 7/31/2014 22:27

Sample Description/Location:

Sub Description/Location:

Work Order: 14H0069

Flow Controller ID:

Sample Type:

Air Volume L: 1800

TO-10A/EPA 680 Modified

Analyte	Total µg			ug/m3			Date/Time		
	Results	RL	Flag/Qual	Results	RL	Dilution	Analyzed	Analyst	
Monochlorobiphenyls	ND	0.0010		ND	0.00056	1	8/6/14 13:13	CJM	
Dichlorobiphenyls	ND	0.0010		ND	0.00056	1	8/6/14 13:13	CJM	
Trichlorobiphenyls	ND	0.0010		ND	0.00056	1	8/6/14 13:13	CJM	
Tetrachlorobiphenyls	0.049	0.0020		0.027	0.0011	1	8/6/14 13:13	CJM	
Pentachlorobiphenyls	0.12	0.0020		0.066	0.0011	1	8/6/14 13:13	CJM	
Hexachlorobiphenyls	0.031	0.0020		0.017	0.0011	1	8/6/14 13:13	CJM	
Heptachlorobiphenyls	ND	0.0030		ND	0.0017	1	8/6/14 13:13	CJM	
Octachlorobiphenyls	ND	0.0030		ND	0.0017	1	8/6/14 13:13	CJM	
Nonachlorobiphenyls	ND	0.0050		ND	0.0028	1	8/6/14 13:13	CJM	
Decachlorobiphenyl	ND	0.0050		ND	0.0028	1	8/6/14 13:13	CJM	
Total Polychlorinated biphenyls	0.20			0.11		1	8/6/14 13:13	CJM	
Surrogates		% Recovery			% REC Limits				
Tetrachloro-m-xylene		74.7			50-125			8/6/14 13:13	



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Sample Extraction Data

Prep Method: SW-846 3540C-TO-10A/EPA 680 Modified

Lab Number [Field ID]	Batch	Initial [Cartridge]	Final [mL]	Date
14H0069-01 [PCB-07 Room 120]	B101799	1.00	1.00	08/04/14



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QUALITY CONTROL

PCB Homologues by GC/MS with Soxhlet Extraction - Quality Control

Analyte	Total µg Results	ug/m3 RL	Spike Level Results	Source Total µg	%REC Result	%REC Limits	RPD RPD	RPD Limit	Flag/Qual
---------	---------------------	-------------	------------------------	--------------------	----------------	----------------	------------	--------------	-----------

Batch B101799 - SW-846 3540C

Blank (B101799-BLK1)

Prepared: 08/04/14 Analyzed: 08/06/14

Monochlorobiphenyls	ND	0.0010							
Dichlorobiphenyls	ND	0.0010							
Trichlorobiphenyls	ND	0.0010							
Tetrachlorobiphenyls	ND	0.0020							
Pentachlorobiphenyls	ND	0.0020							
Hexachlorobiphenyls	ND	0.0020							
Heptachlorobiphenyls	ND	0.0030							
Octachlorobiphenyls	ND	0.0030							
Nonachlorobiphenyls	ND	0.0050							
Decachlorobiphenyl	ND	0.0050							
Total Polychlorinated biphenyls	0.0								

Surrogate: Tetrachloro-m-xylene 0.142 0.200 71.0 50-125

LCS (B101799-BS1)

Prepared: 08/04/14 Analyzed: 08/06/14

Monochlorobiphenyls	0.18	0.0010	0.200	89.1	40-140				
Dichlorobiphenyls	0.18	0.0010	0.200	87.5	40-140				
Trichlorobiphenyls	0.17	0.0010	0.200	84.9	40-140				
Tetrachlorobiphenyls	0.36	0.0020	0.400	89.1	40-140				
Pentachlorobiphenyls	0.33	0.0020	0.400	81.7	40-140				
Hexachlorobiphenyls	0.32	0.0020	0.400	80.9	40-140				
Heptachlorobiphenyls	0.48	0.0030	0.600	80.0	40-140				
Octachlorobiphenyls	0.46	0.0030	0.600	75.9	40-140				
Nonachlorobiphenyls	0.76	0.0050	1.00	75.9	40-140				
Decachlorobiphenyl	0.71	0.0050	1.00	71.2	40-140				

Surrogate: Tetrachloro-m-xylene 0.198 0.200 99.2 50-125

LCS Dup (B101799-BS1D)

Prepared: 08/04/14 Analyzed: 08/06/14

Monochlorobiphenyls	0.15	0.0010	0.200	74.0	40-140	18.5	50		
Dichlorobiphenyls	0.14	0.0010	0.200	72.3	40-140	19.1	50		
Trichlorobiphenyls	0.14	0.0010	0.200	72.0	40-140	16.4	50		
Tetrachlorobiphenyls	0.29	0.0020	0.400	73.6	40-140	19.1	50		
Pentachlorobiphenyls	0.31	0.0020	0.400	77.7	40-140	5.02	50		
Hexachlorobiphenyls	0.30	0.0020	0.400	75.7	40-140	6.67	50		
Heptachlorobiphenyls	0.46	0.0030	0.600	76.5	40-140	4.47	50		
Octachlorobiphenyls	0.45	0.0030	0.600	74.9	40-140	1.36	50		
Nonachlorobiphenyls	0.79	0.0050	1.00	79.1	40-140	4.15	50		
Decachlorobiphenyl	0.76	0.0050	1.00	75.7	40-140	6.09	50		

Surrogate: Tetrachloro-m-xylene 0.152 0.200 75.9 50-125



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FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
- † Wide recovery limits established for difficult compound.
- ‡ Wide RPD limits established for difficult compound.
- # Data exceeded client recommended or regulatory level

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.



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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
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TO-10A/EPA 680 Modified in Air

Total Polychlorinated biphenyls	AIHA
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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	06/30/2015
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2015
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2015
RI	Rhode Island Department of Health	LAO00112	12/30/2014
NC	North Carolina Div. of Water Quality	652	12/31/2014
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2015
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2014
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2014



AIR SAMPLE CHAIN OF CUSTODY RECORD

EAST LONGMEADOW, MA 01022

Page _____ of _____
DOC#284

Rev. Feb 2014

Company Name: AMC Fahrzeuge

卷之三

Address: _____

Telephone: 111-5551

14 Hoag

Attention:

Client PO #

Project Location: Oster Schreiber
Sampled By: J. H. Ringler, D. Graham

DATA DELIVERY (check one)	
<input type="checkbox"/> FAX	<input type="checkbox"/> EMAIL
<input type="checkbox"/> WEBSITE	<input type="checkbox"/> CLIENT
Fax #:	
Email:	
Format:	<input checked="" type="checkbox"/> EXCEL <input type="checkbox"/> PDF <input type="checkbox"/> GIS KEY <input type="checkbox"/> OTHER _____
Date Sampled	ONLY USE WHEN USING PUMPS

<input type="checkbox"/> yes	proposal date
Field ID	Sample Description
PBS-07	Pm + 7128*

Start	Stop	Total	Flow Rate	Volume
Date	Date		M' Min. or L / Min.	Liters or M³
Time	Time			Matrix Code*
7/3/14	7/3/14			
16:27	22:27	360	5.0	1800

TO Rm 120 per
Jason Pringle

CLIENT COMMENTS:

Relinquished by: (signature)	Date/Time:
<i>[Signature]</i>	8/1/14 18:14
Received by: (signature)	Date/Time:
<i>[Signature]</i>	8/1/14 10:44
Relinquished by: (signature)	Date/Time:
<i>[Signature]</i>	
Received by: (signature)	Date/Time:

<u>Turnaround **</u>	<u>Special Requirements</u>
<input type="checkbox"/> 7-Day <input type="checkbox"/> 10-Day <input type="checkbox"/> Other _____ RUSH <input checked="" type="checkbox"/> *24-Hr <input checked="" type="checkbox"/> *48-Hr <input checked="" type="checkbox"/> *72-Hr <input checked="" type="checkbox"/> *4-Day	Regulations: _____ Enhanced Data Package <input type="checkbox"/> Y <input type="checkbox"/> N (Surcharge Applies) Required Detection Limits: _____ Other: _____

**"TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLING.
INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS**

**RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAN. NO
DONS ARE ANSWERED BY OUR CLIENT. NELAC & AIHA.**

8/4/2014

Track your package or shipment with FedEx Tracking



770741116990

Ship (P/U) date :
Fri 8/01/2014 6:53 pm
 Bridgeport, CT US



Actual delivery :
Sat 8/02/2014 10:44 am
 EAST LONGMEADOW, MA US

Delivered
Signed for by: M JONES

Let us tell you when your shipment arrives. Sign up for delivery notifications ▶

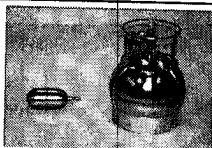
Travel History

▲ Date/Time	Activity	Location
- 8/02/2014 - Saturday		
10:44 am	Delivered	EAST LONGMEADOW, MA
8:15 am	On FedEx vehicle for delivery	WINDSOR LOCKS, CT
8:11 am	At local FedEx facility	WINDSOR LOCKS, CT
- 8/01/2014 - Friday		
8:38 pm	At destination sort facility	EAST GRANBY, CT
7:17 pm	Left FedEx origin facility	STRATFORD, CT
6:53 pm	Picked up	STRATFORD, CT
10:29 am	Shipment information sent to FedEx	

Local Scan Time

Shipment Facts

Tracking number	770741116990	Service	FedEx Priority Overnight
Weight	4 lbs	Delivered To	Shipping/Receiving
Total pieces	1	Total shipment weight	4 lbs / 1.81 kgs
Packaging	FedEx Pak	Special handling section	For Saturday Delivery



www.contestlabs.com



Page 1 of 2

AIR Only Receipt Checklist

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

CLIENT NAME: AmcRECEIVED BY: PBDATE: 8.2.14

1) Was the chain(s) of custody relinquished and signed?

 Yes

No

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) Are there any samples "On Hold"?

 Yes

No

5) Are there any RUSH or SHORT HOLDING TIME samples?

 Yes

No

Stored where:

Who was notified _____ Date _____ Time _____

6) Location where samples are stored:

Login

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

7) Number of cans Individually Certified or Batch Certified? NONE**Containers received at Con-Test**

		# of Containers	Types (Size, Duration)
Summa Cans (TO-14/TO-15/APH)			
Tedlar Bags			
TO-17 Tubes			
Regulators			
Restrictors			
Hg/Hopcalite Tube (NIOSH 6009) (TO-4A/ TO-10A/TO-13) PUPs			
PCB Florisil Tubes (NIOSH 5503)		1	
Air cassette			
PM 2.5/PM 10			
TO-11A Cartridges			
Other			

Unused Summas/PUF Media:

Unused Regulators:

1) Was all media (used & unused) checked into the WASP?

2) Were all returned summa cans, Restrictors & Regulators and PUF's documented as returned in the Air Lab Inbound/Outbound Excel Spreadsheet?

Laboratory Comments:

Page 2 of 2
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>
1) The cooler's custody seal, if present, is intact.	NA	
2) The cooler or samples do not appear to have been compromised or tampered with.	NA	
3) Samples were received on ice.	NA	
4) Cooler Temperature is acceptable.	NA	
5) Cooler Temperature is recorded.	NA	
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.	NA	
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	



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

August 7, 2014

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: 14H0068

Enclosed are results of analyses for samples received by the laboratory on August 2, 2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Lisa A. Worthington". The signature is fluid and cursive, with "Lisa" on top and "A. Worthington" stacked below it.

Lisa A. Worthington
Project Manager

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Certifications	9
Chain of Custody/Sample Receipt	10



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: 8/7/2014

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 14H0068

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
PCB-08 Blank	14H0068-02	Air		TO-10A/EPA 680 Modified	



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

CASE NARRATIVE SUMMARY

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

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 "Daren J. Damboragian".

Daren J. Damboragian
Laboratory Manager



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

ANALYTICAL RESULTS

Project Location: Osborn School

Date Received: 8/2/2014

Field Sample #: PCB-08 Blank

Sample ID: 14H0068-02

Sample Matrix: Air

Sampled: 8/1/2014 00:00

Sample Description/Location:

Sub Description/Location:

Work Order: 14H0068

Flow Controller ID:

Sample Type:

Air Volume L: 1800

TO-10A/EPA 680 Modified

Analyte	Total µg			ug/m3		Dilution	Date/Time	Analyst
	Results	RL	Flag/Qual	Results	RL			
Monochlorobiphenyls	ND	0.0010		ND	0.00056	1	8/6/14 12:44	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00056	1	8/6/14 12:44	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00056	1	8/6/14 12:44	CJM
Tetrachlorobiphenyls	ND	0.0020		ND	0.0011	1	8/6/14 12:44	CJM
Pentachlorobiphenyls	ND	0.0020		ND	0.0011	1	8/6/14 12:44	CJM
Hexachlorobiphenyls	ND	0.0020		ND	0.0011	1	8/6/14 12:44	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0017	1	8/6/14 12:44	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0017	1	8/6/14 12:44	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0028	1	8/6/14 12:44	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0028	1	8/6/14 12:44	CJM
Total Polychlorinated biphenyls	0.0			0		1	8/6/14 12:44	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	66.9	50-125	8/6/14 12:44



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

Sample Extraction Data

Prep Method: SW-846 3540C-TO-10A/EPA 680 Modified

Lab Number [Field ID]	Batch	Initial [Cartridge]	Final [mL]	Date
14H0068-02 [PCB-08 Blank]	B101799	1.00	1.00	08/04/14



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

QUALITY CONTROL

PCB Homologues by GC/MS with Soxhlet Extraction - Quality Control

Analyte	Total µg Results	ug/m3 RL	Spike Level Results	Source Total µg	%REC Result	%REC Limits	RPD RPD	RPD Limit	Flag/Qual
---------	---------------------	-------------	------------------------	--------------------	----------------	----------------	------------	--------------	-----------

Batch B101799 - SW-846 3540C

Blank (B101799-BLK1)

Prepared: 08/04/14 Analyzed: 08/06/14

Monochlorobiphenyls	ND	0.0010							
Dichlorobiphenyls	ND	0.0010							
Trichlorobiphenyls	ND	0.0010							
Tetrachlorobiphenyls	ND	0.0020							
Pentachlorobiphenyls	ND	0.0020							
Hexachlorobiphenyls	ND	0.0020							
Heptachlorobiphenyls	ND	0.0030							
Octachlorobiphenyls	ND	0.0030							
Nonachlorobiphenyls	ND	0.0050							
Decachlorobiphenyl	ND	0.0050							
Total Polychlorinated biphenyls	0.0								

Surrogate: Tetrachloro-m-xylene 0.142 0.200 71.0 50-125

LCS (B101799-BS1)

Prepared: 08/04/14 Analyzed: 08/06/14

Monochlorobiphenyls	0.18	0.0010	0.200	89.1	40-140				
Dichlorobiphenyls	0.18	0.0010	0.200	87.5	40-140				
Trichlorobiphenyls	0.17	0.0010	0.200	84.9	40-140				
Tetrachlorobiphenyls	0.36	0.0020	0.400	89.1	40-140				
Pentachlorobiphenyls	0.33	0.0020	0.400	81.7	40-140				
Hexachlorobiphenyls	0.32	0.0020	0.400	80.9	40-140				
Heptachlorobiphenyls	0.48	0.0030	0.600	80.0	40-140				
Octachlorobiphenyls	0.46	0.0030	0.600	75.9	40-140				
Nonachlorobiphenyls	0.76	0.0050	1.00	75.9	40-140				
Decachlorobiphenyl	0.71	0.0050	1.00	71.2	40-140				

Surrogate: Tetrachloro-m-xylene 0.198 0.200 99.2 50-125

LCS Dup (B101799-BS1D)

Prepared: 08/04/14 Analyzed: 08/06/14

Monochlorobiphenyls	0.15	0.0010	0.200	74.0	40-140	18.5	50		
Dichlorobiphenyls	0.14	0.0010	0.200	72.3	40-140	19.1	50		
Trichlorobiphenyls	0.14	0.0010	0.200	72.0	40-140	16.4	50		
Tetrachlorobiphenyls	0.29	0.0020	0.400	73.6	40-140	19.1	50		
Pentachlorobiphenyls	0.31	0.0020	0.400	77.7	40-140	5.02	50		
Hexachlorobiphenyls	0.30	0.0020	0.400	75.7	40-140	6.67	50		
Heptachlorobiphenyls	0.46	0.0030	0.600	76.5	40-140	4.47	50		
Octachlorobiphenyls	0.45	0.0030	0.600	74.9	40-140	1.36	50		
Nonachlorobiphenyls	0.79	0.0050	1.00	79.1	40-140	4.15	50		
Decachlorobiphenyl	0.76	0.0050	1.00	75.7	40-140	6.09	50		

Surrogate: Tetrachloro-m-xylene 0.152 0.200 75.9 50-125



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.



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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
---------	----------------

TO-10A/EPA 680 Modified in Air

Total Polychlorinated biphenyls	AIHA
---------------------------------	------

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	06/30/2015
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2015
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2015
RI	Rhode Island Department of Health	LAO00112	12/30/2014
NC	North Carolina Div. of Water Quality	652	12/31/2014
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2015
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2014
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2014



Phone: 413-525-2332 AIR SAMPLE CHAIN OF CUSTODY
RECORD
 EAST SPRUCE ST
 39 SPRUCE ST
 EAST LONGMEADOW, MA 01028

Page 1 of 1

39 SPRUCE ST
 EAST LONGMEADOW, MA 01028

Company Name: AMC Environmental, LLC
 Address: P.O. Box 923

Telephone: (203) 378-5020
 Project # 14H0068

Fax: 413-525-6405

Email: info@contestlabs.com

Page 10 of 13

Attention: Start from October 2008
 Project Location: Beside Seavey
 Sampled By: _____

Proposal Provided? (For Billing purposes)
 yes _____ proposal date

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT
 Fax #: _____ Client PO #: _____

Email:
 Format: EXCEL PDF GIS KEY OTHER

Date Sampled ONLY USE WHEN USING PUMPS

Start	Stop	Total	Flow Rate	Volume
Date Time	Date Time	Minutes	M ³ /Min. or L / Min.	Liters or M ³
<u>9/14/08</u>	<u>9/14/08</u>	<u>8:00</u>	<u>360</u>	<u>1800</u>
<u>PCB-08</u>	<u>BLANK</u>	<u>02</u>	<u>—</u>	<u>—</u>

PCB - Handlog

Field ID	Sample Description	Media	Lab #	Matrix Code*	Summa Canister ID	Flow Controller ID
<u>PCB-08</u>	<u>Rm117</u>	<u>O1</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>

ANALYSIS REQUESTED		" Hg	Please fill out completely, sign, date and retain the yellow copy for your records.	
Reg	Indoor	I	F	b
Received by: (signature)	Date/Time:	n	a	c
<u>Paul B</u>	<u>9/14 10:44</u>	7-Day	Summa canisters and flow controllers must be returned within 14 days of receipt or rental fees will apply.	
Relinquished by: (signature)	Date/Time:	10-Day		
		Other _____		
Received by: (signature)	Date/Time:	Enhanced Data Package <input type="checkbox"/> Y <input type="checkbox"/> N		
		(Surcharge Applies)		
		<input type="checkbox"/> *24-Hr <input type="checkbox"/> *48-Hr		
		<input type="checkbox"/> *72-Hr <input type="checkbox"/> *4-Day		
		Required Detection Limits:		
		Other: _____		
		O = other		

SPECIAL REQUIREMENTS		*Matrix Code: SG= SOIL GAS IA= INDOOR AIR AMB= AMBIENT SS = SUB SLAB D = DUP BL = BLANK	**Media Codes: S=summa can TB=tedlar bag P=PUF T=tube F= filter C=cassette O = Other
Received by: (signature)	Date/Time:	Regulations: _____	
<u>Paul B</u>	<u>9/14 10:44</u>	Enhanced Data Package <input type="checkbox"/> Y <input type="checkbox"/> N	
Relinquished by: (signature)	Date/Time:	(Surcharge Applies)	
Received by: (signature)	Date/Time:	<input type="checkbox"/> *24-Hr <input type="checkbox"/> *48-Hr	
		<input type="checkbox"/> *72-Hr <input type="checkbox"/> *4-Day	

Laboratory Comments:

CLIENT COMMENTS:

** 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.

A/HA, NELAC & WBE/DBE Certified



770741116990

Ship (P/U) date :
Fri 8/01/2014 6:53 pm

Bridgeport, CT US

**Delivered**

Signed for by: M JONES

Actual delivery :
Sat 8/02/2014 10:44 am

EAST LONGMEADOW, MA US

Let us tell you when your shipment arrives. Sign up for delivery notifications ▾

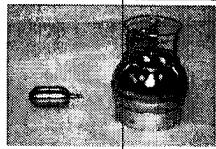
Travel History

▲ Date/Time	Activity	Location
- 8/02/2014 - Saturday		
10:44 am	Delivered	EAST LONGMEADOW, MA
8:15 am	On FedEx vehicle for delivery	WINDSOR LOCKS, CT
8:11 am	At local FedEx facility	WINDSOR LOCKS, CT
- 8/01/2014 - Friday		
8:38 pm	At destination sort facility	EAST GRANBY, CT
7:17 pm	Left FedEx origin facility	STRATFORD, CT
6:53 pm	Picked up	STRATFORD, CT
10:29 am	Shipment information sent to FedEx	

Local Scan Time

Shipment Facts

Tracking number	770741116990	Service	FedEx Priority Overnight
Weight	4 lbs	Delivered To	Shipping/Receiving
Total pieces	1	Total shipment weight	4 lbs / 1.81 kgs
Packaging	FedEx Pak	Special handling section	For Saturday Delivery



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Page 1 of 2

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

AIR Only Receipt Checklist

CLIENT NAME: AMC

RECEIVED BY: DB

DATE: 8.2.14

1) Was the chain(s) of custody relinquished and signed?

Yes No

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) Are there any samples "On Hold"?

Yes No

Stored where: _____

5) Are there any RUSH or SHORT HOLDING TIME samples?

Yes No

Who was notified _____ Date _____ Time _____

6) Location where samples are stored:

Log in

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

7) Number of cans Individually Certified or Batch Certified? NONE

Containers received at Con-Test

		# of Containers	Types (Size, Duration)
Summa Cans (TO-14/TO-15/APH)			
Tedlar Bags			
TO-17 Tubes			
Regulators			
Restrictors			
Hg/Hopcalite Tube (NIOSH 6009) (TO-4A/ TO-10A/TO-13) PUFs		2	
PCB Florisil Tubes (NIOSH 5503)			
Air cassette			
PM 2.5/PM 10			
TO-11A Cartridges			
Other			

Unused Summas/PUF Media:

Unused Regulators: 7/24/2014-07
7/24/2014-08

1) Was all media (used & unused) checked into the WASP?

2) Were all returned summa cans, Restrictors & Regulators and PUF's documented as returned in the Air Lab Inbound/Outbound Excel Spreadsheet?

Laboratory Comments:

Page 2 of 2
Login Sample Receipt Checklist
(Rejection Criteria Listing - Using Sample Acceptance Policy)
Any False statement will be brought to the attention of Client

Question	Answer (True/False)	Comment
1) The cooler's custody seal, if present, is intact.	NA	
2) The cooler or samples do not appear to have been compromised or tampered with.	NA	
3) Samples were received on ice.	NA	
4) Cooler Temperature is acceptable.	NA	
5) Cooler Temperature is recorded.	NA	
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.	NA	
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?
 Log-In Technician Initials: **PB**

Doc #278 Rev. 4 January 2014

Date/Time:
 Date/Time: **8-24-14**



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

August 13, 2014

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: 14H0425

Enclosed are results of analyses for samples received by the laboratory on August 11, 2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Lisa A. Worthington".

Lisa A. Worthington
Project Manager

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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: 8/13/2014

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 14H0425

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
A0811-01	14H0425-01	Air	Main Hallway	TO-10A/EPA 680 Modified	
A0811-02	14H0425-02	Air	Blank	TO-10A/EPA 680 Modified	



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

CASE NARRATIVE SUMMARY

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

REVISED REPORT 08-13-14: The report has been revised to include the sample air volumes.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink that reads "Lisa A. Worthington".

Lisa A. Worthington
Project Manager

ANALYTICAL RESULTS

Project Location: Osborn School

Date Received: 8/11/2014

Field Sample #: A0811-01**Sample ID:** 14H0425-01

Sample Matrix: Air

Sampled: 8/11/2014 00:00

Sample Description/Location: Main Hallway

Sub Description/Location:

Work Order: 14H0425

Flow Controller ID:

Sample Type:

Air Volume L: 1800

TO-10A/EPA 680 Modified

Analyte	Total µg			ug/m3			Date/Time		
	Results	RL	Flag/Qual	Results	RL		Dilution	Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00056		1	8/12/14 14:45	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00056		1	8/12/14 14:45	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00056		1	8/12/14 14:45	CJM
Tetrachlorobiphenyls	0.020	0.0020		0.011	0.0011		1	8/12/14 14:45	CJM
Pentachlorobiphenyls	0.049	0.0020		0.027	0.0011		1	8/12/14 14:45	CJM
Hexachlorobiphenyls	0.010	0.0020		0.0056	0.0011		1	8/12/14 14:45	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0017		1	8/12/14 14:45	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0017		1	8/12/14 14:45	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0028		1	8/12/14 14:45	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0028		1	8/12/14 14:45	CJM
Total Polychlorinated biphenyls	0.079			0.044			1	8/12/14 14:45	CJM
Surrogates		% Recovery			% REC Limits				
Tetrachloro-m-xylene		75.7			50-125				
8/12/14 14:45									

ANALYTICAL RESULTS

Project Location: Osborn School

Date Received: 8/11/2014

Field Sample #: A0811-02**Sample ID:** 14H0425-02

Sample Matrix: Air

Sampled: 8/11/2014 00:00

Sample Description/Location: Blank

Sub Description/Location:

Work Order: 14H0425

Flow Controller ID:

Sample Type:

Air Volume L: 1800

TO-10A/EPA 680 Modified

Analyte	Total µg			ug/m3			Date/Time		
	Results	RL	Flag/Qual	Results	RL		Dilution	Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00056		1	8/12/14 15:15	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00056		1	8/12/14 15:15	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00056		1	8/12/14 15:15	CJM
Tetrachlorobiphenyls	ND	0.0020		ND	0.0011		1	8/12/14 15:15	CJM
Pentachlorobiphenyls	ND	0.0020		ND	0.0011		1	8/12/14 15:15	CJM
Hexachlorobiphenyls	ND	0.0020		ND	0.0011		1	8/12/14 15:15	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0017		1	8/12/14 15:15	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0017		1	8/12/14 15:15	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0028		1	8/12/14 15:15	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0028		1	8/12/14 15:15	CJM
Total Polychlorinated biphenyls	0.0			0			1	8/12/14 15:15	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	72.0	50-125	8/12/14 15:15



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

Sample Extraction Data

Prep Method: SW-846 3540C-TO-10A/EPA 680 Modified

Lab Number [Field ID]	Batch	Initial [Cartridge]	Final [mL]	Date
14H0425-01 [A0811-01]	B102285	1.00	1.00	08/11/14
14H0425-02 [A0811-02]	B102285	1.00	1.00	08/11/14



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QUALITY CONTROL

PCB Homologues by GC/MS with Soxhlet Extraction - Quality Control

Analyte	Total µg Results	ug/m3 RL	Spike Level Results	Source Total µg	%REC Result	%REC Limits	RPD RPD	RPD Limit	Flag/Qual
---------	---------------------	-------------	------------------------	--------------------	----------------	----------------	------------	--------------	-----------

Batch B102285 - SW-846 3540C

Blank (B102285-BLK1)	Prepared: 08/11/14 Analyzed: 08/12/14							
Monochlorobiphenyls	ND	0.0010						
Dichlorobiphenyls	ND	0.0010						
Trichlorobiphenyls	ND	0.0010						
Tetrachlorobiphenyls	ND	0.0020						
Pentachlorobiphenyls	ND	0.0020						
Hexachlorobiphenyls	ND	0.0020						
Heptachlorobiphenyls	ND	0.0030						
Octachlorobiphenyls	ND	0.0030						
Nonachlorobiphenyls	ND	0.0050						
Decachlorobiphenyl	ND	0.0050						
Total Polychlorinated biphenyls	0.0							
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.136</i>		<i>0.200</i>		<i>67.8</i>		<i>50-125</i>	

LCS (B102285-BS1)	Prepared: 08/11/14 Analyzed: 08/12/14							
Monochlorobiphenyls	0.15	0.0010		0.200	76.8	40-140		
Dichlorobiphenyls	0.14	0.0010		0.200	71.0	40-140		
Trichlorobiphenyls	0.14	0.0010		0.200	67.9	40-140		
Tetrachlorobiphenyls	0.28	0.0020		0.400	70.2	40-140		
Pentachlorobiphenyls	0.29	0.0020		0.400	72.0	40-140		
Hexachlorobiphenyls	0.28	0.0020		0.400	70.2	40-140		
Heptachlorobiphenyls	0.43	0.0030		0.600	71.6	40-140		
Octachlorobiphenyls	0.43	0.0030		0.600	72.0	40-140		
Nonachlorobiphenyls	0.85	0.0050		1.00	84.6	40-140		
Decachlorobiphenyl	0.76	0.0050		1.00	76.4	40-140		
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.166</i>		<i>0.200</i>		<i>82.9</i>		<i>50-125</i>	

LCS Dup (B102285-BSD1)	Prepared: 08/11/14 Analyzed: 08/12/14							
Monochlorobiphenyls	0.17	0.0010		0.200	86.7	40-140	12.1	50
Dichlorobiphenyls	0.16	0.0010		0.200	80.5	40-140	12.5	50
Trichlorobiphenyls	0.15	0.0010		0.200	77.1	40-140	12.7	50
Tetrachlorobiphenyls	0.32	0.0020		0.400	80.0	40-140	13.0	50
Pentachlorobiphenyls	0.33	0.0020		0.400	81.4	40-140	12.2	50
Hexachlorobiphenyls	0.32	0.0020		0.400	80.4	40-140	13.5	50
Heptachlorobiphenyls	0.49	0.0030		0.600	82.1	40-140	13.7	50
Octachlorobiphenyls	0.48	0.0030		0.600	80.7	40-140	11.4	50
Nonachlorobiphenyls	0.93	0.0050		1.00	93.5	40-140	10.0	50
Decachlorobiphenyl	0.84	0.0050		1.00	83.6	40-140	8.96	50
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.179</i>		<i>0.200</i>		<i>89.4</i>		<i>50-125</i>	



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.



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

CERTIFICATIONS

Certified Analyses included in this Report

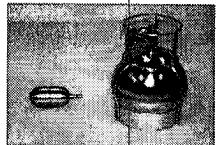
Analyte	Certifications
---------	----------------

TO-10A/EPA 680 Modified in Air

Total Polychlorinated biphenyls	AIHA
---------------------------------	------

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	06/30/2015
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2015
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2015
RI	Rhode Island Department of Health	LAO00112	12/30/2014
NC	North Carolina Div. of Water Quality	652	12/31/2014
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2015
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2014
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2014



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Page 1 of 2

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

AIR Only Receipt Checklist

CLIENT NAME: AMC

RECEIVED BY: C EC

DATE: 8/11/14

1) Was the chain(s) of custody relinquished and signed?

Yes No

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) Are there any samples "On Hold"?

Yes No

Stored where: _____

5) Are there any RUSH or SHORT HOLDING TIME samples?

Yes No

Who was notified _____ Date _____ Time _____

6) Location where samples are stored:

19

Permission to subcontract samples? Yes No

(Walk-in clients only) if not already approved

Client Signature: _____

7) Number of cans Individually Certified or Batch Certified? _____

Containers received at Con-Test

		# of Containers	Types (Size, Duration)
Summa Cans (TO-14/TO-15/APH)			
Tedlar Bags			
TO-17 Tubes			
Regulators			
Restrictors			
Hg/Hopcalite Tube (NIOSH 6009) (TO-4A/ TO-10A/TO-13) PUFs		2	Low Vol
PCB Florisil Tubes (NIOSH 5503)			
Air cassette			
PM 2.5/PM 10			
TO-11A Cartridges			
Other			

Unused Summas/PUF Media:

Unused Regulators:

1) Was all media (used & unused) checked into the WASP?

2) Were all returned summa cans, Restrictors & Regulators and PUF's documented as returned in the Air Lab Inbound/Outbound Excel Spreadsheet?

Laboratory Comments:

080714 -02 /03

Page 2 of 2
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.	T	
4) Cooler Temperature is acceptable.	T	
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.	NA	
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	



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

August 15, 2014

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: 14H0623

Enclosed are results of analyses for samples received by the laboratory on August 14, 2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Lisa A. Worthington".

Lisa A. Worthington
Project Manager

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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: 8/15/2014

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 14H0623

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
A0814-01	14H0623-01	Air	Paint Hallway	TO-10A/EPA 680 Modified	
A0814-02	14H0623-02	Air	Hallway O/S Room 119	TO-10A/EPA 680 Modified	
A0814-03	14H0623-03	Air	Blank	TO-10A/EPA 680 Modified	



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

CASE NARRATIVE SUMMARY

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

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 "Daren J. Damboragian".

Daren J. Damboragian
Laboratory Manager

ANALYTICAL RESULTS

Project Location: Osborn School

Date Received: 8/14/2014

Field Sample #: A0814-01**Sample ID:** 14H0623-01

Sample Matrix: Air

Sampled: 8/14/2014 00:00

Sample Description/Location: Paint Hallway

Sub Description/Location:

Work Order: 14H0623

Flow Controller ID:

Sample Type:

Air Volume L: 1800

TO-10A/EPA 680 Modified

Analyte	Total µg			ug/m3		Dilution	Analyzed	Date/Time
	Results	RL	Flag/Qual	Results	RL			
Monochlorobiphenyls	ND	0.0010		ND	0.00056	1	8/15/14 13:19	CJM
Dichlorobiphenyls	0.0076	0.0010		0.0042	0.00056	1	8/15/14 13:19	CJM
Trichlorobiphenyls	0.012	0.0010		0.0069	0.00056	1	8/15/14 13:19	CJM
Tetrachlorobiphenyls	0.030	0.0020		0.017	0.0011	1	8/15/14 13:19	CJM
Pentachlorobiphenyls	0.033	0.0020		0.018	0.0011	1	8/15/14 13:19	CJM
Hexachlorobiphenyls	0.013	0.0020		0.0071	0.0011	1	8/15/14 13:19	CJM
Heptachlorobiphenyls	0.018	0.0030		0.01	0.0017	1	8/15/14 13:19	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0017	1	8/15/14 13:19	CJM
Nonachlorobiphenyls	0.038	0.0050		0.021	0.0028	1	8/15/14 13:19	CJM
Decachlorobiphenyl	0.036	0.0050		0.020	0.0028	1	8/15/14 13:19	CJM
Total Polychlorinated biphenyls	0.19			0.10		1	8/15/14 13:19	CJM
Surrogates		% Recovery			% REC Limits			
Tetrachloro-m-xylene		69.9			50-125			
						8/15/14 13:19		

ANALYTICAL RESULTS

Project Location: Osborn School

Date Received: 8/14/2014

Field Sample #: A0814-02**Sample ID:** 14H0623-02

Sample Matrix: Air

Sampled: 8/14/2014 00:00

Sample Description/Location: Hallway O/S Room 119

Sub Description/Location:

Work Order: 14H0623

Flow Controller ID:

Sample Type:

Air Volume L: 1805

TO-10A/EPA 680 Modified

Analyte	Total µg			ug/m3			Date/Time		
	Results	RL	Flag/Qual	Results	RL	Dilution	Analyzed	Analyst	
Monochlorobiphenyls	ND	0.0010		ND	0.00055	1	8/15/14 13:48	CJM	
Dichlorobiphenyls	ND	0.0010		ND	0.00055	1	8/15/14 13:48	CJM	
Trichlorobiphenyls	ND	0.0010		ND	0.00055	1	8/15/14 13:48	CJM	
Tetrachlorobiphenyls	0.013	0.0020		0.0071	0.0011	1	8/15/14 13:48	CJM	
Pentachlorobiphenyls	0.0099	0.0020		0.0055	0.0011	1	8/15/14 13:48	CJM	
Hexachlorobiphenyls	ND	0.0020		ND	0.0011	1	8/15/14 13:48	CJM	
Heptachlorobiphenyls	ND	0.0030		ND	0.0017	1	8/15/14 13:48	CJM	
Octachlorobiphenyls	ND	0.0030		ND	0.0017	1	8/15/14 13:48	CJM	
Nonachlorobiphenyls	ND	0.0050		ND	0.0028	1	8/15/14 13:48	CJM	
Decachlorobiphenyl	ND	0.0050		ND	0.0028	1	8/15/14 13:48	CJM	
Total Polychlorinated biphenyls	0.023			0.013		1	8/15/14 13:48	CJM	
Surrogates		% Recovery			% REC Limits				
Tetrachloro-m-xylene		64.6			50-125				
					8/15/14 13:48				



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ANALYTICAL RESULTS

Project Location: Osborn School

Date Received: 8/14/2014

Field Sample #: A0814-03

Sample ID: 14H0623-03

Sample Matrix: Air

Sampled: 8/14/2014 00:00

Sample Description/Location: Blank

Sub Description/Location:

Work Order: 14H0623

Flow Controller ID:

Sample Type:

Air Volume L: 1805

TO-10A/EPA 680 Modified

Analyte	Total µg			ug/m3			Date/Time		
	Results	RL	Flag/Qual	Results	RL	Dilution	Analyzed	Analyst	
Monochlorobiphenyls	ND	0.0010		ND	0.00055	1	8/15/14 14:18	CJM	
Dichlorobiphenyls	ND	0.0010		ND	0.00055	1	8/15/14 14:18	CJM	
Trichlorobiphenyls	ND	0.0010		ND	0.00055	1	8/15/14 14:18	CJM	
Tetrachlorobiphenyls	ND	0.0020		ND	0.0011	1	8/15/14 14:18	CJM	
Pentachlorobiphenyls	ND	0.0020		ND	0.0011	1	8/15/14 14:18	CJM	
Hexachlorobiphenyls	ND	0.0020		ND	0.0011	1	8/15/14 14:18	CJM	
Heptachlorobiphenyls	ND	0.0030		ND	0.0017	1	8/15/14 14:18	CJM	
Octachlorobiphenyls	ND	0.0030		ND	0.0017	1	8/15/14 14:18	CJM	
Nonachlorobiphenyls	ND	0.0050		ND	0.0028	1	8/15/14 14:18	CJM	
Decachlorobiphenyl	ND	0.0050		ND	0.0028	1	8/15/14 14:18	CJM	
Total Polychlorinated biphenyls	0.0			0		1	8/15/14 14:18	CJM	
Surrogates		% Recovery			% REC Limits				
Tetrachloro-m-xylene		77.7			50-125				
					8/15/14 14:18				



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Sample Extraction Data

Prep Method: SW-846 3540C-TO-10A/EPA 680 Modified

Lab Number [Field ID]	Batch	Initial [Cartridge]	Final [mL]	Date
14H0623-01 [A0814-01]	B102666	1.00	1.00	08/14/14
14H0623-02 [A0814-02]	B102666	1.00	1.00	08/14/14
14H0623-03 [A0814-03]	B102666	1.00	1.00	08/14/14



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QUALITY CONTROL

PCB Homologues by GC/MS with Soxhlet Extraction - Quality Control

Analyte	Total µg Results	ug/m3 RL	Spike Level Results	Source Total µg	%REC Result	%REC Limits	RPD RPD	RPD Limit	Flag/Qual
---------	---------------------	-------------	------------------------	--------------------	----------------	----------------	------------	--------------	-----------

Batch B102666 - SW-846 3540C
Blank (B102666-BLK1)

Prepared: 08/14/14 Analyzed: 08/15/14

Monochlorobiphenyls	ND	0.0010							
Dichlorobiphenyls	ND	0.0010							
Trichlorobiphenyls	ND	0.0010							
Tetrachlorobiphenyls	ND	0.0020							
Pentachlorobiphenyls	ND	0.0020							
Hexachlorobiphenyls	ND	0.0020							
Heptachlorobiphenyls	ND	0.0030							
Octachlorobiphenyls	ND	0.0030							
Nonachlorobiphenyls	ND	0.0050							
Decachlorobiphenyl	ND	0.0050							
Total Polychlorinated biphenyls	0.0								

Surrogate: Tetrachloro-m-xylene 0.153 0.200 76.7 50-125

LCS (B102666-BS1)

Prepared: 08/14/14 Analyzed: 08/15/14

Monochlorobiphenyls	0.17	0.0010	0.200	83.3	40-140				
Dichlorobiphenyls	0.16	0.0010	0.200	79.1	40-140				
Trichlorobiphenyls	0.15	0.0010	0.200	76.1	40-140				
Tetrachlorobiphenyls	0.31	0.0020	0.400	78.6	40-140				
Pentachlorobiphenyls	0.32	0.0020	0.400	80.0	40-140				
Hexachlorobiphenyls	0.32	0.0020	0.400	79.1	40-140				
Heptachlorobiphenyls	0.49	0.0030	0.600	81.4	40-140				
Octachlorobiphenyls	0.48	0.0030	0.600	80.7	40-140				
Nonachlorobiphenyls	0.96	0.0050	1.00	95.6	40-140				
Decachlorobiphenyl	0.89	0.0050	1.00	88.6	40-140				

Surrogate: Tetrachloro-m-xylene 0.189 0.200 94.3 50-125

LCS Dup (B102666-BSD1)

Prepared: 08/14/14 Analyzed: 08/15/14

Monochlorobiphenyls	0.15	0.0010	0.200	75.1	40-140	10.3	50		
Dichlorobiphenyls	0.14	0.0010	0.200	72.1	40-140	9.22	50		
Trichlorobiphenyls	0.14	0.0010	0.200	70.0	40-140	8.34	50		
Tetrachlorobiphenyls	0.29	0.0020	0.400	72.8	40-140	7.65	50		
Pentachlorobiphenyls	0.29	0.0020	0.400	73.7	40-140	8.23	50		
Hexachlorobiphenyls	0.29	0.0020	0.400	72.5	40-140	8.76	50		
Heptachlorobiphenyls	0.44	0.0030	0.600	74.0	40-140	9.49	50		
Octachlorobiphenyls	0.44	0.0030	0.600	73.9	40-140	8.79	50		
Nonachlorobiphenyls	0.89	0.0050	1.00	89.0	40-140	7.19	50		
Decachlorobiphenyl	0.82	0.0050	1.00	82.4	40-140	7.23	50		

Surrogate: Tetrachloro-m-xylene 0.168 0.200 84.1 50-125



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FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
- † Wide recovery limits established for difficult compound.
- ‡ Wide RPD limits established for difficult compound.
- # Data exceeded client recommended or regulatory level

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.



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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
---------	----------------

TO-10A/EPA 680 Modified in Air

Total Polychlorinated biphenyls	AIHA
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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	06/30/2015
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2015
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2015
RI	Rhode Island Department of Health	LAO00112	12/30/2014
NC	North Carolina Div. of Water Quality	652	12/31/2014
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2015
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2014
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2014

Track your package or shipment with FedEx Tracking



780124462359

Ship (P/U) date
Wed 8/13/2014 5:09 pm
CHA US



Actual delivery
Thur 8/14/2014 9:36 am
MA US

Delivered
Signed for by C COLLINS

3 Piece shipment

Let us tell you when your shipment arrives. Sign up for delivery notifications

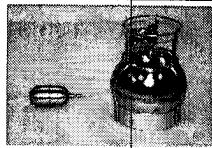
Travel History

Date/Time	Activity	Location
- 8/14/2014 - Thursday		
9:36 am	Delivered	MA
8:09 am	On FedEx vehicle for delivery	WINDSOR LOCKS, CT
7:19 am	At local FedEx facility	WINDSOR LOCKS, CT
6:03 am	At destination sort facility	EAST GRANBY, CT
4:27 am	Departed FedEx location	INDIANAPOLIS, IN
12:18 am	Arrived at FedEx location	INDIANAPOLIS, IN
- 8/13/2014 - Wednesday		
9:43 pm	Left FedEx origin facility	PINEVILLE, NC
5:09 pm	Picked up Tendered at FedEx Office	CHARLOTTE, NC

Local Scan Time

Shipment Facts

Tracking number	780124462359	Service	FedEx Priority Overnight
Master tracking number	805046296225	Dimensions	26x14x15 in
Delivered To	Receptionist/Front Desk	Total pieces	3
Total shipment weight	98 lbs / 44.45 kgs	Packaging	Your Packaging
Special handling section	Deliver Weekday		



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Page 1 of 2

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

AIR Only Receipt Checklist

CLIENT NAME: AMC Environmental

RECEIVED BY: MJ

DATE: 8/14/14

1) Was the chain(s) of custody relinquished and signed?

Yes No

2) Does the chain agree with the samples?

Yes No

If not, explain:

3.5°C

3) Are all the samples in good condition?

Yes No

If not, explain:

4) Are there any samples "On Hold"?

Yes No

Stored where: _____

5) Are there any RUSH or SHORT HOLDING TIME samples?

Yes No

Who was notified _____ Date _____ Time _____

6) Location where samples are stored:

19

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

7) Number of cans Individually Certified or Batch Certified?

N/A

Containers received at Con-Test

		# of Containers	Types (Size, Duration)
Summa Cans (TO-14/TO-15/APH)			
Tedlar Bags			
TO-17 Tubes			
Regulators			
Restrictors			
Hg/Hopcalite Tube (NIOSH 6009) (TO-4A/ TO-10A/TO-13) PUFs		3	TO-10A
PCB Florisil Tubes (NIOSH 5503)			
Air cassette			
PM 2.5/PM 10			
TO-11A Cartridges			
Other			

Unused Summas/PUF Media:

Unused Regulators:

1) Was all media (used & unused) checked into the WASP?

2) Were all returned summa cans, Restrictors & Regulators and PUF's documented as returned in the Air Lab Inbound/Outbound Excel Spreadsheet?

Laboratory Comments: PUFS
080714-04
" - 05
" - 06

Page 2 of 2
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>
		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.	T	
4) Cooler Temperature is acceptable.	T	
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.	NA	
18) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	T	
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 #278 Rev. 4 January 2014

Who notified of False statements?
 Log-In Technician Initials:

Date/Time:
 Date/Time:



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

August 11, 2014

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: 14H0405

Enclosed are results of analyses for samples received by the laboratory on August 9, 2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Lisa A. Worthington". The signature is fluid and cursive, with "Lisa" on the first line and "A. Worthington" on the second line.

Lisa A. Worthington
Project Manager

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

REPORT DATE: 8/11/2014

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 14H0405

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
A0809-01	14H0405-01	Air		TO-10A/EPA 680 Modified	
A0809-02	14H0405-02	Air		TO-10A/EPA 680 Modified	
A0809-03	14H0405-03	Field Blank		TO-10A/EPA 680 Modified	



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CASE NARRATIVE SUMMARY

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

TO-10A/EPA 680 Modified

Qualifications:

S-20

Surrogate recovery is outside of control limits. Sample media does not allow for re-extraction.

Analyte & Samples(s) Qualified:

Tetrachloro-m-xylene

14H0405-02[A0809-02]

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 "Daren J. Damboragian". The signature is fluid and cursive, with a large, stylized "D" at the beginning.

Daren J. Damboragian
Laboratory Manager

ANALYTICAL RESULTS

Project Location: Osborn School

Date Received: 8/9/2014

Field Sample #: A0809-01**Sample ID:** 14H0405-01

Sample Matrix: Air

Sampled: 8/9/2014 00:00

Sample Description/Location:

Sub Description/Location:

Work Order: 14H0405

Flow Controller ID:

Sample Type:

Air Volume L: 1800

TO-10A/EPA 680 Modified

Analyte	Total µg			ug/m3		Date/Time		
	Results	RL	Flag/Qual	Results	RL	Dilution	Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00056	1	8/11/14 13:29	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00056	1	8/11/14 13:29	CJM
Trichlorobiphenyls	0.0043	0.0010		0.0024	0.00056	1	8/11/14 13:29	CJM
Tetrachlorobiphenyls	0.18	0.0020		0.10	0.0011	1	8/11/14 13:29	CJM
Pentachlorobiphenyls	0.24	0.0020		0.13	0.0011	1	8/11/14 13:29	CJM
Hexachlorobiphenyls	0.035	0.0020		0.019	0.0011	1	8/11/14 13:29	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0017	1	8/11/14 13:29	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0017	1	8/11/14 13:29	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0028	1	8/11/14 13:29	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0028	1	8/11/14 13:29	CJM
Total Polychlorinated biphenyls	0.46			0.26		1	8/11/14 13:29	CJM
Surrogates			% Recovery			% REC Limits		
Tetrachloro-m-xylene				70.7		50-125		8/11/14 13:29

ANALYTICAL RESULTS

Project Location: Osborn School

Date Received: 8/9/2014

Field Sample #: A0809-02**Sample ID:** 14H0405-02

Sample Matrix: Air

Sampled: 8/9/2014 00:00

Sample Description/Location:

Sub Description/Location:

Work Order: 14H0405

Flow Controller ID:

Sample Type:

Air Volume L: 1810

TO-10A/EPA 680 Modified

Analyte	Total µg			ug/m3			Date/Time		
	Results	RL	Flag/Qual	Results	RL		Dilution	Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00055		1	8/11/14 13:59	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00055		1	8/11/14 13:59	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00055		1	8/11/14 13:59	CJM
Tetrachlorobiphenyls	0.018	0.0020		0.0097	0.0011		1	8/11/14 13:59	CJM
Pentachlorobiphenyls	0.042	0.0020		0.023	0.0011		1	8/11/14 13:59	CJM
Hexachlorobiphenyls	0.0083	0.0020		0.0046	0.0011		1	8/11/14 13:59	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0017		1	8/11/14 13:59	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0017		1	8/11/14 13:59	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0028		1	8/11/14 13:59	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0028		1	8/11/14 13:59	CJM
Total Polychlorinated biphenyls	0.068			0.037			1	8/11/14 13:59	CJM

Surrogates

% Recovery

% REC Limits

Tetrachloro-m-xylene	44.4*	S-20	50-125	8/11/14 13:59
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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Osborn School

Date Received: 8/9/2014

Field Sample #: A0809-03

Sample ID: 14H0405-03

Sample Matrix: Field Blank

Sampled: 8/9/2014 00:00

Sample Description/Location:

Sub Description/Location:

Work Order: 14H0405

Flow Controller ID:

Sample Type:

TO-10A/EPA 680 Modified

Analyte	Total µg			Date/Time		
	Results	RL	Flag/Qual	Dilution	Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		1	8/11/14 14:28	CJM
Dichlorobiphenyls	ND	0.0010		1	8/11/14 14:28	CJM
Trichlorobiphenyls	ND	0.0010		1	8/11/14 14:28	CJM
Tetrachlorobiphenyls	ND	0.0020		1	8/11/14 14:28	CJM
Pentachlorobiphenyls	ND	0.0020		1	8/11/14 14:28	CJM
Hexachlorobiphenyls	ND	0.0020		1	8/11/14 14:28	CJM
Heptachlorobiphenyls	ND	0.0030		1	8/11/14 14:28	CJM
Octachlorobiphenyls	ND	0.0030		1	8/11/14 14:28	CJM
Nonachlorobiphenyls	ND	0.0050		1	8/11/14 14:28	CJM
Decachlorobiphenyl	ND	0.0050		1	8/11/14 14:28	CJM
Total Polychlorinated biphenyls	0.0			1	8/11/14 14:28	CJM
Surrogates		% Recovery		% REC Limits		
Tetrachloro-m-xylene		67.9		50-125		
						8/11/14 14:28



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

Sample Extraction Data

Prep Method: SW-846 3540C-TO-10A/EPA 680 Modified

Lab Number [Field ID]	Batch	Initial [Cartridge]	Final [mL]	Date
14H0405-01 [A0809-01]	B102250	1.00	1.00	08/09/14
14H0405-02 [A0809-02]	B102250	1.00	1.00	08/09/14
14H0405-03 [A0809-03]	B102250	1.00	1.00	08/09/14



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QUALITY CONTROL

PCB Homologues by GC/MS with Soxhlet Extraction - Quality Control

Analyte	Total µg Results	ug/m3 RL	Spike Level Results	Source Total µg	%REC Result	%REC Limits	RPD RPD	RPD Limit	Flag/Qual
---------	---------------------	-------------	------------------------	--------------------	----------------	----------------	------------	--------------	-----------

Batch B102250 - SW-846 3540C

Blank (B102250-BLK1)

Prepared: 08/09/14 Analyzed: 08/11/14

Monochlorobiphenyls	ND	0.0010							
Dichlorobiphenyls	ND	0.0010							
Trichlorobiphenyls	ND	0.0010							
Tetrachlorobiphenyls	ND	0.0020							
Pentachlorobiphenyls	ND	0.0020							
Hexachlorobiphenyls	ND	0.0020							
Heptachlorobiphenyls	ND	0.0030							
Octachlorobiphenyls	ND	0.0030							
Nonachlorobiphenyls	ND	0.0050							
Decachlorobiphenyl	ND	0.0050							
Total Polychlorinated biphenyls	0.0								

Surrogate: Tetrachloro-m-xylene 0.149 0.200 74.4 50-125

LCS (B102250-BS1)

Prepared: 08/09/14 Analyzed: 08/11/14

Monochlorobiphenyls	0.14	0.0010	0.200	71.2	40-140				
Dichlorobiphenyls	0.14	0.0010	0.200	69.8	40-140				
Trichlorobiphenyls	0.14	0.0010	0.200	68.1	40-140				
Tetrachlorobiphenyls	0.29	0.0020	0.400	71.3	40-140				
Pentachlorobiphenyls	0.29	0.0020	0.400	72.5	40-140				
Hexachlorobiphenyls	0.29	0.0020	0.400	71.3	40-140				
Heptachlorobiphenyls	0.44	0.0030	0.600	72.8	40-140				
Octachlorobiphenyls	0.43	0.0030	0.600	71.6	40-140				
Nonachlorobiphenyls	0.82	0.0050	1.00	82.3	40-140				
Decachlorobiphenyl	0.75	0.0050	1.00	74.8	40-140				

Surrogate: Tetrachloro-m-xylene 0.162 0.200 81.0 50-125

LCS Dup (B102250-BSD1)

Prepared: 08/09/14 Analyzed: 08/11/14

Monochlorobiphenyls	0.16	0.0010	0.200	79.4	40-140	11.0	50		
Dichlorobiphenyls	0.15	0.0010	0.200	76.4	40-140	8.93	50		
Trichlorobiphenyls	0.15	0.0010	0.200	73.7	40-140	7.93	50		
Tetrachlorobiphenyls	0.31	0.0020	0.400	76.7	40-140	7.26	50		
Pentachlorobiphenyls	0.31	0.0020	0.400	78.1	40-140	7.43	50		
Hexachlorobiphenyls	0.31	0.0020	0.400	76.5	40-140	7.04	50		
Heptachlorobiphenyls	0.47	0.0030	0.600	78.5	40-140	7.65	50		
Octachlorobiphenyls	0.47	0.0030	0.600	78.0	40-140	8.58	50		
Nonachlorobiphenyls	0.93	0.0050	1.00	92.7	40-140	11.9	50		
Decachlorobiphenyl	0.87	0.0050	1.00	86.6	40-140	14.6	50		

Surrogate: Tetrachloro-m-xylene 0.168 0.200 83.8 50-125



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FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
 - † Wide recovery limits established for difficult compound.
 - ‡ Wide RPD limits established for difficult compound.
 - # Data exceeded client recommended or regulatory level
- 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-20 Surrogate recovery is outside of control limits. Sample media does not allow for re-extraction.



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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
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TO-10A/EPA 680 Modified in Air

Total Polychlorinated biphenyls	AIHA
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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	06/30/2015
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2015
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2015
RI	Rhode Island Department of Health	LAO00112	12/30/2014
NC	North Carolina Div. of Water Quality	652	12/31/2014
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2015
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2014
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2014



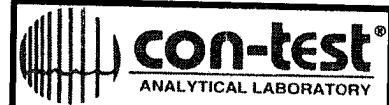
39 SPRUCE ST

Page 1 of 1
DOC#284

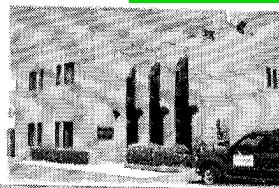
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39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com



Page 1 of 2



Sample Receipt Checklist

CLIENT NAME: AMCRECEIVED BY: MJDATE: 8/19/14

- 1) Was the chain(s) of custody relinquished and signed? Yes No No CoC Included
- 2) Does the chain agree with the samples?
If not, explain:
- 3) Are all the samples in good condition?
If not, explain: Yes No
- 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

5.6°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 NoWho was notified Rich Date 8/19/14 Time 9:30

- 7) Location where samples are stored:

19Permission 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	
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:

3 TO-10A PUFs07-24-2014-9080714-0107-24-2014-10

40 mL vials: # HCl _____

Methanol _____

Time and Date Frozen:

Doc# 277

Bisulfate _____

DI Water _____

Rev. 4 August 2013

Thiosulfate _____

Unpreserved _____

Page 2 of 2
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>
	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.	T	
4) Cooler Temperature is acceptable.	T	
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.	NA	
18) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	T	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	T	
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:

MJ 8/9/14 9:30

Laboratory Results – PCB Chip Samples



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

July 30, 2014

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: 14G1234

Enclosed are results of analyses for samples received by the laboratory on July 28, 2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Lisa A. Worthington". The signature is fluid and cursive, with "Lisa" and "Worthington" being the most distinct parts.

Lisa A. Worthington
Project Manager

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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: 7/30/2014

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 14G1234

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
C072707	14G1234-01	Product/Solid	rm 119 brick mortar	SW-846 8082A	
C072708	14G1234-02	Product/Solid	rm 119 brick	SW-846 8082A	
C072709	14G1234-03	Product/Solid	rm 119 CMU	SW-846 8082A	
C072710	14G1234-04	Product/Solid	rm 119 CMU-M	SW-846 8082A	
C072711	14G1234-05	Product/Solid	rm 120 brick mortar	SW-846 8082A	
C072712	14G1234-06	Product/Solid	rm 102 brick	SW-846 8082A	
C072713	14G1234-07	Product/Solid	rm 120 CMU	SW-846 8082A	
C072714	14G1234-08	Product/Solid	rm 120 CMU-M	SW-846 8082A	
C072715	14G1234-09	Product/Solid	rm 121 brick mortar	SW-846 8082A	
C072716	14G1234-10	Product/Solid	rm 121 brick	SW-846 8082A	
C072717	14G1234-11	Product/Solid	rm 121 CMU	SW-846 8082A	
C072718	14G1234-12	Product/Solid	rm 121 CMU-M	SW-846 8082A	



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

CASE NARRATIVE SUMMARY

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

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 "m. erickson".

Michael A. Erickson
Laboratory Director



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

Project Location: Osborn School

Sample Description: rm 119 brick mortar

Work Order: 14G1234

Date Received: 7/28/2014

Sampled: 7/27/2014 00:00

Field Sample #: C072707

Sample ID: 14G1234-01

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	0.099	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 18:14	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 18:14	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 18:14	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 18:14	JMB
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 18:14	JMB
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 18:14	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 18:14	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 18:14	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 18:14	JMB
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	99.3	30-150							7/29/14 18:14
Decachlorobiphenyl [2]	90.3	30-150							7/29/14 18:14
Tetrachloro-m-xylene [1]	76.0	30-150							7/29/14 18:14
Tetrachloro-m-xylene [2]	81.1	30-150							7/29/14 18:14



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

Project Location: Osborn School

Sample Description: rm 119 brick

Work Order: 14G1234

Date Received: 7/28/2014

Field Sample #: C072708

Sampled: 7/27/2014 00:00

Sample ID: 14G1234-02

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	0.098	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 18:51	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 18:51	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 18:51	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 18:51	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 18:51	JMB
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 18:51	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 18:51	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 18:51	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 18:51	JMB
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	93.6	30-150							7/29/14 18:51
Decachlorobiphenyl [2]	89.6	30-150							7/29/14 18:51
Tetrachloro-m-xylene [1]	81.1	30-150							7/29/14 18:51
Tetrachloro-m-xylene [2]	82.8	30-150							7/29/14 18:51



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

Project Location: Osborn School

Sample Description: rm 119 CMU

Work Order: 14G1234

Date Received: 7/28/2014

Field Sample #: C072709

Sampled: 7/27/2014 00:00

Sample ID: 14G1234-03

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	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:03	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:03	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:03	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:03	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:03	JMB
Aroclor-1254 [2]	0.13	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:03	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:03	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:03	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:03	JMB
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	86.4		30-150					7/29/14 19:03	
Decachlorobiphenyl [2]	79.9		30-150					7/29/14 19:03	
Tetrachloro-m-xylene [1]	76.9		30-150					7/29/14 19:03	
Tetrachloro-m-xylene [2]	78.4		30-150					7/29/14 19:03	



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

Project Location: Osborn School

Sample Description: rm 119 CMU-M

Work Order: 14G1234

Date Received: 7/28/2014

Field Sample #: C072710

Sampled: 7/27/2014 00:00

Sample ID: 14G1234-04

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	0.097	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:15	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:15	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:15	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:15	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:15	JMB
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:15	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:15	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:15	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:15	JMB
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	93.9	30-150							7/29/14 19:15
Decachlorobiphenyl [2]	87.0	30-150							7/29/14 19:15
Tetrachloro-m-xylene [1]	77.5	30-150							7/29/14 19:15
Tetrachloro-m-xylene [2]	79.7	30-150							7/29/14 19:15



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

Project Location: Osborn School

Sample Description: rm 120 brick mortar

Work Order: 14G1234

Date Received: 7/28/2014

Sampled: 7/27/2014 00:00

Field Sample #: C072711

Sample ID: 14G1234-05

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	0.096	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:28	JMB
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:28	JMB
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:28	JMB
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:28	JMB
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:28	JMB
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:28	JMB
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:28	JMB
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:28	JMB
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:28	JMB
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	108	30-150							7/29/14 19:28
Decachlorobiphenyl [2]	95.9	30-150							7/29/14 19:28
Tetrachloro-m-xylene [1]	86.8	30-150							7/29/14 19:28
Tetrachloro-m-xylene [2]	89.0	30-150							7/29/14 19:28



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

Project Location: Osborn School

Sample Description: rm 102 brick

Work Order: 14G1234

Date Received: 7/28/2014

Field Sample #: C072712

Sampled: 7/27/2014 00:00

Sample ID: 14G1234-06

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	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:40	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:40	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:40	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:40	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:40	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:40	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:40	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:40	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:40	JMB
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	100	30-150							7/29/14 19:40
Decachlorobiphenyl [2]	92.9	30-150							7/29/14 19:40
Tetrachloro-m-xylene [1]	82.2	30-150							7/29/14 19:40
Tetrachloro-m-xylene [2]	84.6	30-150							7/29/14 19:40



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

Project Location: Osborn School

Sample Description: rm 120 CMU

Work Order: 14G1234

Date Received: 7/28/2014

Field Sample #: C072713

Sampled: 7/27/2014 00:00

Sample ID: 14G1234-07

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	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:52	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:52	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:52	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:52	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:52	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:52	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:52	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:52	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 19:52	JMB
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	106	30-150							7/29/14 19:52
Decachlorobiphenyl [2]	96.4	30-150							7/29/14 19:52
Tetrachloro-m-xylene [1]	91.3	30-150							7/29/14 19:52
Tetrachloro-m-xylene [2]	92.8	30-150							7/29/14 19:52



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

Project Location: Osborn School

Sample Description: rm 120 CMU-M

Work Order: 14G1234

Date Received: 7/28/2014

Sampled: 7/27/2014 00:00

Field Sample #: C072714

Sample ID: 14G1234-08

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	0.098	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:05	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:05	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:05	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:05	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:05	JMB
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:05	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:05	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:05	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:05	JMB
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	89.8	30-150							7/29/14 20:05
Decachlorobiphenyl [2]	80.3	30-150							7/29/14 20:05
Tetrachloro-m-xylene [1]	74.2	30-150							7/29/14 20:05
Tetrachloro-m-xylene [2]	76.0	30-150							7/29/14 20:05



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

Project Location: Osborn School

Sample Description: rm 121 brick mortar

Work Order: 14G1234

Date Received: 7/28/2014

Sampled: 7/27/2014 00:00

Field Sample #: C072715

Sample ID: 14G1234-09

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:17	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:17	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:17	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:17	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:17	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:17	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:17	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:17	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:17	JMB
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	99.4	30-150							7/29/14 20:17
Decachlorobiphenyl [2]	92.3	30-150							7/29/14 20:17
Tetrachloro-m-xylene [1]	86.4	30-150							7/29/14 20:17
Tetrachloro-m-xylene [2]	88.5	30-150							7/29/14 20:17



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

Project Location: Osborn School

Sample Description: rm 121 brick

Work Order: 14G1234

Date Received: 7/28/2014

Field Sample #: C072716

Sampled: 7/27/2014 00:00

Sample ID: 14G1234-10

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:29	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:29	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:29	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:29	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:29	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:29	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:29	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:29	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:29	JMB
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	86.4	30-150							7/29/14 20:29
Decachlorobiphenyl [2]	79.3	30-150							7/29/14 20:29
Tetrachloro-m-xylene [1]	74.0	30-150							7/29/14 20:29
Tetrachloro-m-xylene [2]	77.3	30-150							7/29/14 20:29



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Project Location: Osborn School

Sample Description: rm 121 CMU

Work Order: 14G1234

Date Received: 7/28/2014

Sampled: 7/27/2014 00:00

Field Sample #: C072717

Sample ID: 14G1234-11

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:42	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:42	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:42	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:42	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:42	JMB
Aroclor-1254 [2]	0.10	0.097	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:42	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:42	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:42	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:42	JMB
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	81.2	30-150							7/29/14 20:42
Decachlorobiphenyl [2]	76.3	30-150							7/29/14 20:42
Tetrachloro-m-xylene [1]	69.4	30-150							7/29/14 20:42
Tetrachloro-m-xylene [2]	70.6	30-150							7/29/14 20:42



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Project Location: Osborn School

Sample Description: rm 121 CMU-M

Work Order: 14G1234

Date Received: 7/28/2014

Sampled: 7/27/2014 00:00

Field Sample #: C072718

Sample ID: 14G1234-12

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:54	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:54	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:54	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:54	JMB
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:54	JMB
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:54	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:54	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:54	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 20:54	JMB
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	93.9	30-150							7/29/14 20:54
Decachlorobiphenyl [2]	87.7	30-150							7/29/14 20:54
Tetrachloro-m-xylene [1]	80.6	30-150							7/29/14 20:54
Tetrachloro-m-xylene [2]	83.6	30-150							7/29/14 20:54



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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
14G1234-01 [C072707]	B101199	2.03	10.0	07/28/14
14G1234-02 [C072708]	B101199	2.04	10.0	07/28/14
14G1234-03 [C072709]	B101199	2.00	10.0	07/28/14
14G1234-04 [C072710]	B101199	2.06	10.0	07/28/14
14G1234-05 [C072711]	B101199	2.08	10.0	07/28/14
14G1234-06 [C072712]	B101199	2.01	10.0	07/28/14
14G1234-07 [C072713]	B101199	2.00	10.0	07/28/14
14G1234-08 [C072714]	B101199	2.05	10.0	07/28/14
14G1234-09 [C072715]	B101199	2.01	10.0	07/28/14
14G1234-10 [C072716]	B101199	2.00	10.0	07/28/14
14G1234-11 [C072717]	B101199	2.06	10.0	07/28/14
14G1234-12 [C072718]	B101199	2.03	10.0	07/28/14



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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	RPD Limit	Notes
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Batch B101199 - SW-846 3540C

Blank (B101199-BLK1)						Prepared: 07/28/14 Analyzed: 07/29/14				
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	0.961		mg/Kg	1.00		96.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.928		mg/Kg	1.00		92.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.800		mg/Kg	1.00		80.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.844		mg/Kg	1.00		84.4	30-150			

LCS (B101199-BS1)						Prepared: 07/28/14 Analyzed: 07/29/14				
Aroclor-1016	0.22	0.10	mg/Kg	0.250		87.5	40-140			
Aroclor-1016 [2C]	0.23	0.10	mg/Kg	0.250		90.1	40-140			
Aroclor-1260	0.23	0.10	mg/Kg	0.250		93.1	40-140			
Aroclor-1260 [2C]	0.23	0.10	mg/Kg	0.250		93.2	40-140			
Surrogate: Decachlorobiphenyl	0.956		mg/Kg	1.00		95.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.886		mg/Kg	1.00		88.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.817		mg/Kg	1.00		81.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.857		mg/Kg	1.00		85.7	30-150			

LCS Dup (B101199-BSD1)						Prepared: 07/28/14 Analyzed: 07/29/14				
Aroclor-1016	0.22	0.10	mg/Kg	0.250		88.8	40-140	1.51	30	
Aroclor-1016 [2C]	0.23	0.10	mg/Kg	0.250		90.9	40-140	0.870	30	
Aroclor-1260	0.23	0.10	mg/Kg	0.250		90.9	40-140	2.43	30	
Aroclor-1260 [2C]	0.23	0.10	mg/Kg	0.250		93.7	40-140	0.507	30	
Surrogate: Decachlorobiphenyl	0.917		mg/Kg	1.00		91.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.853		mg/Kg	1.00		85.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.835		mg/Kg	1.00		83.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.857		mg/Kg	1.00		85.7	30-150			



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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

C072717

Lab Sample ID: 14G1234-11 Date(s) Analyzed: 07/29/2014 07/29/2014

Date(s) Analyzed: 07/29/2014 07/29/2014

Instrument ID (1): **1234567890** Instrument ID (2): **9876543210**

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.098	
	2	0.00	0.00	0.00	0.10	2.2



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS

SW-846 8082A

Lab Sample ID: B101199-BS1 Date(s) Analyzed: 07/29/2014 07/29/2014

Date(s) Analyzed: 07/29/2014 07/29/2014

Instrument ID (1): **1234567890** Instrument ID (2): **9876543210**

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	0.22	
	2	0.00	0.00	0.00	0.23	5
Aroclor-1260	1	0.00	0.00	0.00	0.23	
	2	0.00	0.00	0.00	0.23	1



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS Dup

SW-846 8082A

Lab Sample ID: B101199-BSD1 Date(s) Analyzed: 07/29/2014 07/29/2014

Date(s) Analyzed: 07/29/2014 07/29/2014

Instrument ID (1): **1234567890** Instrument ID (2): **9876543210**

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	0.22	
	2	0.00	0.00	0.00	0.23	4
Aroclor-1260	1	0.00	0.00	0.00	0.23	
	2	0.00	0.00	0.00	0.23	1



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FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
- † Wide recovery limits established for difficult compound.
- ‡ Wide RPD limits established for difficult compound.
- # Data exceeded client recommended or regulatory level

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.



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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	06/30/2015
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2015
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2015
RI	Rhode Island Department of Health	LAO00112	12/30/2014
NC	North Carolina Div. of Water Quality	652	12/31/2014
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2015
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2014
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2014



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CHAIN OF CUSTODY RECORD

14G1234

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Company Name: AMC Environmental		Telephone: 203-378-5020		ANALYSIS REQUESTED		# of Containers	
Address: P.O. Box 423 Stratford, CT 06615		Project # _____				** Preservation	
Attention: Jason Pringle		Client PO# _____				*** Container Code	
Project Location: Osborn School Sampled By: J. Pringle / B. Graham		DATA DELIVERY (check all that apply)				Dissolved Metals	
		<input type="checkbox"/> FAX <input checked="" type="checkbox"/> EMAIL <input type="checkbox"/> WEBSITE				<input type="checkbox"/> Field Filtered <input type="checkbox"/> Lab to Filter	
		Email: results@amcenviron.com					
Project Proposal Provided? (for billing purposes) <input type="checkbox"/> yes _____ proposal date		Format: <input checked="" type="checkbox"/> PDF <input type="checkbox"/> EXCEL <input type="checkbox"/> GIS <input type="checkbox"/> OTHER					
Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection	Beginning Date/Time	Ending Date/Time	Composite Grab	* Matrix Code	Conc. Code
01	C022202 / Rm 119 Brick Mortar	Soxhlet	7/27/14		✓	✓	
02	C022204 / Rm 119 Brick				✓	✓	
03	C022205 / Rm 119 Brick				✓	✓	
04	C022210 / Rm 119 CMU-M				✓	✓	
05	C022214 / Rm 120 Brick Mortar				✓	✓	
06	C022212 / Rm 120 Brick				✓	✓	
07	C022213 / Rm 120 Brick				✓	✓	
08	C022214 / Rm 120 CMU-M				✓	✓	
09	C022215 / Rm 121 Brick Mortar				✓	✓	
10	C022216 / Rm 121 Brick				✓	✓	
Comments:							
<p>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</p>							
Relinquished by: (signature)		Date/Time: 7/28/14	Turnaround [†] : 7-Day	Detection Limit Requirements		Is your project MCP or RCP?	
Received by: (signature)		Date/Time: 7/28/14	<input type="checkbox"/> 7-Day <input checked="" type="checkbox"/> 10-Day <input type="checkbox"/> Other _____	Massachusetts: _____		<input type="checkbox"/> MCP Form Required <input type="checkbox"/> RCP Form Required <input type="checkbox"/> MA State DW Form Required PWSID # _____	
Relinquished by: (signature)		Date/Time: 7/28/14	<input checked="" type="checkbox"/> 24-Hr <input type="checkbox"/> 48-Hr <input type="checkbox"/> 72-Hr <input type="checkbox"/> 4-Day	Connecticut: <1PPM		<input type="checkbox"/> GW = Groundwater <input type="checkbox"/> WW = Wastewater <input type="checkbox"/> DW = Drinking Water <input type="checkbox"/> A = air <input type="checkbox"/> S = soil/solid <input type="checkbox"/> SL = sludge <input type="checkbox"/> O = other _____	
Reopened by: (signature)		Date/Time: 7/28/14	Require lab approval	Other: _____			

AT TURNAROUND TIME STARTS AT 9:00 AM. 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



NELAC & AIHA Certified
WBEDBE Certified



CHAIN OF CUSTODY RECORD

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East longmeadow, MA 01028

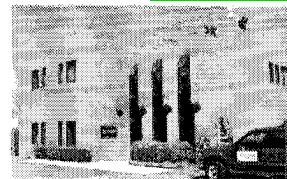
Page 4 of 4

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 IF IT IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

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Sample Receipt Checklist

CLIENT NAME: AMC Environmental RECEIVED BY: CC DATE: 7.28.14

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

2) Does the chain agree with the samples?

If not, explain:

3) Are all the samples in good condition?

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 5

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:

19

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	<u>12c</u>
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 _____	Time and Date Frozen:
Doc# 277	# Bisulfate _____	# DI Water _____	
Rev. 4 August 2013	# Thiosulfate _____	Unpreserved	

Page 2 of 2

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>
	T/F/NA	
1) The cooler's custody seal, if present, is intact.	NA	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
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.	T	
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: CC

Date/Time:

7.28.14 1615



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August 16, 2014

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: 14H0613

Enclosed are results of analyses for samples received by the laboratory on August 14, 2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Lisa A. Worthington". The signature is fluid and cursive, with "Lisa" on the first line and "A. Worthington" on the second line.

Lisa A. Worthington
Project Manager

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

REPORT DATE: 8/16/2014

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 14H0613

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
C0813-01	14H0613-01	Concrete		SW-846 8082A	
C0813-02	14H0613-02	Concrete		SW-846 8082A	
C0813-03	14H0613-03	Concrete		SW-846 8082A	
C0813-04	14H0613-04	Concrete		SW-846 8082A	
C0813-05	14H0613-05	Concrete		SW-846 8082A	
C0813-06	14H0613-06	Concrete		SW-846 8082A	
C0813-07	14H0613-07	Concrete		SW-846 8082A	
C0813-08	14H0613-08	Concrete		SW-846 8082A	
C0813-09	14H0613-09	Concrete		SW-846 8082A	
C0813-10	14H0613-10	Concrete		SW-846 8082A	
C0813-11	14H0613-11	Concrete		SW-846 8082A	
C0813-12	14H0613-12	Concrete		SW-846 8082A	
C0813-13	14H0613-13	Concrete		SW-846 8082A	
C0813-14	14H0613-14	Concrete		SW-846 8082A	
C0813-15	14H0613-15	Concrete		SW-846 8082A	
C0813-16	14H0613-16	Concrete		SW-846 8082A	
C0813-17	14H0613-17	Concrete		SW-846 8082A	
C0813-18	14H0613-18	Concrete		SW-846 8082A	
C0813-19	14H0613-19	Concrete		SW-846 8082A	
C0813-20	14H0613-20	Concrete		SW-846 8082A	



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CASE NARRATIVE SUMMARY

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

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 "Daren J. Damboragian".

Daren J. Damboragian
Laboratory Manager



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

Project Location: Osborn School

Sample Description:

Work Order: 14H0613

Date Received: 8/14/2014

Field Sample #: C0813-01

Sampled: 7/13/2014 00:00

Sample ID: 14H0613-01

Sample Matrix: Concrete

Polychlorinated 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	1		SW-846 8082A	8/14/14	8/15/14 14:13	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 14:13	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 14:13	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 14:13	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 14:13	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 14:13	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 14:13	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 14:13	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 14:13	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	93.7	30-150							8/15/14 14:13
Decachlorobiphenyl [2]	86.9	30-150							8/15/14 14:13
Tetrachloro-m-xylene [1]	81.9	30-150							8/15/14 14:13
Tetrachloro-m-xylene [2]	67.0	30-150							8/15/14 14:13



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Project Location: Osborn School

Sample Description:

Work Order: 14H0613

Date Received: 8/14/2014

Field Sample #: C0813-02

Sampled: 7/13/2014 00:00

Sample ID: 14H0613-02

Sample Matrix: Concrete

Polychlorinated 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	1		SW-846 8082A	8/14/14	8/15/14 18:43	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:43	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:43	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:43	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:43	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:43	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:43	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:43	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:43	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	66.5	30-150							8/15/14 18:43
Decachlorobiphenyl [2]	62.1	30-150							8/15/14 18:43
Tetrachloro-m-xylene [1]	61.7	30-150							8/15/14 18:43
Tetrachloro-m-xylene [2]	60.1	30-150							8/15/14 18:43



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Project Location: Osborn School

Sample Description:

Work Order: 14H0613

Date Received: 8/14/2014

Field Sample #: C0813-03

Sampled: 7/13/2014 00:00

Sample ID: 14H0613-03

Sample Matrix: Concrete

Polychlorinated 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	1		SW-846 8082A	8/14/14	8/15/14 14:38	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 14:38	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 14:38	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 14:38	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 14:38	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 14:38	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 14:38	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 14:38	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 14:38	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	72.1	30-150							8/15/14 14:38
Decachlorobiphenyl [2]	67.2	30-150							8/15/14 14:38
Tetrachloro-m-xylene [1]	64.8	30-150							8/15/14 14:38
Tetrachloro-m-xylene [2]	53.0	30-150							8/15/14 14:38



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Project Location: Osborn School

Sample Description:

Work Order: 14H0613

Date Received: 8/14/2014

Field Sample #: C0813-04

Sampled: 7/13/2014 00:00

Sample ID: 14H0613-04

Sample Matrix: Concrete

Polychlorinated 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	1		SW-846 8082A	8/14/14	8/15/14 18:56	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:56	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:56	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:56	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:56	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:56	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:56	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:56	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:56	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	72.5	30-150							8/15/14 18:56
Decachlorobiphenyl [2]	68.4	30-150							8/15/14 18:56
Tetrachloro-m-xylene [1]	69.9	30-150							8/15/14 18:56
Tetrachloro-m-xylene [2]	68.9	30-150							8/15/14 18:56



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

Project Location: Osborn School

Sample Description:

Work Order: 14H0613

Date Received: 8/14/2014

Sampled: 7/13/2014 00:00

Field Sample #: C0813-05

Sample ID: 14H0613-05

Sample Matrix: Concrete

Polychlorinated 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	1		SW-846 8082A	8/14/14	8/15/14 19:09	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:09	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:09	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:09	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:09	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:09	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:09	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:09	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:09	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	91.0	30-150							8/15/14 19:09
Decachlorobiphenyl [2]	85.9	30-150							8/15/14 19:09
Tetrachloro-m-xylene [1]	82.4	30-150							8/15/14 19:09
Tetrachloro-m-xylene [2]	81.5	30-150							8/15/14 19:09



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

Project Location: Osborn School

Sample Description:

Work Order: 14H0613

Date Received: 8/14/2014

Sampled: 7/13/2014 00:00

Field Sample #: C0813-06

Sample ID: 14H0613-06

Sample Matrix: Concrete

Polychlorinated 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	1		SW-846 8082A	8/14/14	8/15/14 19:22	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:22	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:22	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:22	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:22	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:22	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:22	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:22	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:22	KAL
Surrogates		% Recovery	Recovery Limits	Flag/Qual					
Decachlorobiphenyl [1]		87.5	30-150					8/15/14 19:22	
Decachlorobiphenyl [2]		83.5	30-150					8/15/14 19:22	
Tetrachloro-m-xylene [1]		76.8	30-150					8/15/14 19:22	
Tetrachloro-m-xylene [2]		75.3	30-150					8/15/14 19:22	



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

Project Location: Osborn School

Sample Description:

Work Order: 14H0613

Date Received: 8/14/2014

Sampled: 7/13/2014 00:00

Field Sample #: C0813-07

Sample ID: 14H0613-07

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:35	KAL
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:35	KAL
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:35	KAL
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:35	KAL
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:35	KAL
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:35	KAL
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:35	KAL
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:35	KAL
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:35	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	84.0	30-150							8/15/14 19:35
Decachlorobiphenyl [2]	80.2	30-150							8/15/14 19:35
Tetrachloro-m-xylene [1]	80.5	30-150							8/15/14 19:35
Tetrachloro-m-xylene [2]	79.3	30-150							8/15/14 19:35



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

Project Location: Osborn School

Sample Description:

Work Order: 14H0613

Date Received: 8/14/2014

Sampled: 7/13/2014 00:00

Field Sample #: C0813-08

Sample ID: 14H0613-08

Sample Matrix: Concrete

Polychlorinated 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	1		SW-846 8082A	8/14/14	8/15/14 19:48	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:48	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:48	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:48	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:48	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:48	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:48	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:48	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:48	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	50.7	30-150							8/15/14 19:48
Decachlorobiphenyl [2]	47.7	30-150							8/15/14 19:48
Tetrachloro-m-xylene [1]	47.8	30-150							8/15/14 19:48
Tetrachloro-m-xylene [2]	47.2	30-150							8/15/14 19:48



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

Project Location: Osborn School

Sample Description:

Work Order: 14H0613

Date Received: 8/14/2014

Sampled: 7/13/2014 00:00

Field Sample #: C0813-09

Sample ID: 14H0613-09

Sample Matrix: Concrete

Polychlorinated 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	1		SW-846 8082A	8/14/14	8/15/14 20:01	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:01	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:01	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:01	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:01	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:01	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:01	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:01	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:01	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	76.1	30-150							8/15/14 20:01
Decachlorobiphenyl [2]	72.6	30-150							8/15/14 20:01
Tetrachloro-m-xylene [1]	76.6	30-150							8/15/14 20:01
Tetrachloro-m-xylene [2]	75.4	30-150							8/15/14 20:01



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

Project Location: Osborn School

Sample Description:

Work Order: 14H0613

Date Received: 8/14/2014

Sampled: 7/13/2014 00:00

Field Sample #: C0813-10

Sample ID: 14H0613-10

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/15/14	8/16/14 11:06	JMB
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/15/14	8/16/14 11:06	JMB
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/15/14	8/16/14 11:06	JMB
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/15/14	8/16/14 11:06	JMB
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/15/14	8/16/14 11:06	JMB
Aroclor-1254 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/15/14	8/16/14 11:06	JMB
Aroclor-1260 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/15/14	8/16/14 11:06	JMB
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/15/14	8/16/14 11:06	JMB
Aroclor-1268 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/15/14	8/16/14 11:06	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	98.1	30-150							8/16/14 11:06
Decachlorobiphenyl [2]	94.3	30-150							8/16/14 11:06
Tetrachloro-m-xylene [1]	83.2	30-150							8/16/14 11:06
Tetrachloro-m-xylene [2]	68.1	30-150							8/16/14 11:06



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

Project Location: Osborn School

Sample Description:

Work Order: 14H0613

Date Received: 8/14/2014

Sampled: 7/13/2014 00:00

Field Sample #: C0813-11

Sample ID: 14H0613-11

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:02	KAL
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:02	KAL
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:02	KAL
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:02	KAL
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:02	KAL
Aroclor-1254 [2]	0.37	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:02	KAL
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:02	KAL
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:02	KAL
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:02	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	83.0	30-150							8/15/14 17:02
Decachlorobiphenyl [2]	78.1	30-150							8/15/14 17:02
Tetrachloro-m-xylene [1]	71.2	30-150							8/15/14 17:02
Tetrachloro-m-xylene [2]	58.4	30-150							8/15/14 17:02



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

Project Location: Osborn School

Sample Description:

Work Order: 14H0613

Date Received: 8/14/2014

Sampled: 7/13/2014 00:00

Field Sample #: C0813-12

Sample ID: 14H0613-12

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:15	KAL
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:15	KAL
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:15	KAL
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:15	KAL
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:15	KAL
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:15	KAL
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:15	KAL
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:15	KAL
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:15	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	77.7	30-150							8/15/14 17:15
Decachlorobiphenyl [2]	73.9	30-150							8/15/14 17:15
Tetrachloro-m-xylene [1]	65.8	30-150							8/15/14 17:15
Tetrachloro-m-xylene [2]	53.8	30-150							8/15/14 17:15



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

Project Location: Osborn School

Sample Description:

Work Order: 14H0613

Date Received: 8/14/2014

Field Sample #: C0813-13

Sampled: 7/13/2014 00:00

Sample ID: 14H0613-13

Sample Matrix: Concrete

Polychlorinated 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	1		SW-846 8082A	8/14/14	8/15/14 17:27	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:27	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:27	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:27	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:27	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:27	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:27	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:27	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:27	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	89.9	30-150							8/15/14 17:27
Decachlorobiphenyl [2]	83.3	30-150							8/15/14 17:27
Tetrachloro-m-xylene [1]	80.0	30-150							8/15/14 17:27
Tetrachloro-m-xylene [2]	65.0	30-150							8/15/14 17:27



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

Project Location: Osborn School

Sample Description:

Work Order: 14H0613

Date Received: 8/14/2014

Sampled: 7/13/2014 00:00

Field Sample #: C0813-14

Sample ID: 14H0613-14

Sample Matrix: Concrete

Polychlorinated 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	1		SW-846 8082A	8/14/14	8/15/14 17:39	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:39	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:39	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:39	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:39	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:39	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:39	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:39	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:39	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	81.1	30-150							8/15/14 17:39
Decachlorobiphenyl [2]	75.8	30-150							8/15/14 17:39
Tetrachloro-m-xylene [1]	69.1	30-150							8/15/14 17:39
Tetrachloro-m-xylene [2]	56.4	30-150							8/15/14 17:39



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

Project Location: Osborn School

Sample Description:

Work Order: 14H0613

Date Received: 8/14/2014

Sampled: 7/13/2014 00:00

Field Sample #: C0813-15

Sample ID: 14H0613-15

Sample Matrix: Concrete

Polychlorinated 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	1		SW-846 8082A	8/14/14	8/15/14 17:52	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:52	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:52	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:52	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:52	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:52	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:52	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:52	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:52	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	81.0	30-150							8/15/14 17:52
Decachlorobiphenyl [2]	76.4	30-150							8/15/14 17:52
Tetrachloro-m-xylene [1]	74.2	30-150							8/15/14 17:52
Tetrachloro-m-xylene [2]	60.5	30-150							8/15/14 17:52



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

Project Location: Osborn School

Sample Description:

Work Order: 14H0613

Date Received: 8/14/2014

Sampled: 7/13/2014 00:00

Field Sample #: C0813-16

Sample ID: 14H0613-16

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:04	KAL
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:04	KAL
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:04	KAL
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:04	KAL
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:04	KAL
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:04	KAL
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:04	KAL
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:04	KAL
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:04	KAL
Surrogates		% Recovery	Recovery Limits	Flag/Qual					
Decachlorobiphenyl [1]		71.6	30-150					8/15/14 18:04	
Decachlorobiphenyl [2]		66.9	30-150					8/15/14 18:04	
Tetrachloro-m-xylene [1]		59.6	30-150					8/15/14 18:04	
Tetrachloro-m-xylene [2]		48.9	30-150					8/15/14 18:04	



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Project Location: Osborn School

Sample Description:

Work Order: 14H0613

Date Received: 8/14/2014

Sampled: 7/13/2014 00:00

Field Sample #: C0813-17

Sample ID: 14H0613-17

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:16	KAL
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:16	KAL
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:16	KAL
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:16	KAL
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:16	KAL
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:16	KAL
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:16	KAL
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:16	KAL
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:16	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	97.2	30-150							8/15/14 18:16
Decachlorobiphenyl [2]	91.4	30-150							8/15/14 18:16
Tetrachloro-m-xylene [1]	83.4	30-150							8/15/14 18:16
Tetrachloro-m-xylene [2]	67.8	30-150							8/15/14 18:16



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Project Location: Osborn School

Sample Description:

Work Order: 14H0613

Date Received: 8/14/2014

Sampled: 7/13/2014 00:00

Field Sample #: C0813-18

Sample ID: 14H0613-18

Sample Matrix: Concrete

Polychlorinated 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	1		SW-846 8082A	8/14/14	8/15/14 18:29	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:29	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:29	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:29	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:29	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:29	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:29	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:29	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:29	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	94.8	30-150							8/15/14 18:29
Decachlorobiphenyl [2]	89.3	30-150							8/15/14 18:29
Tetrachloro-m-xylene [1]	84.7	30-150							8/15/14 18:29
Tetrachloro-m-xylene [2]	68.8	30-150							8/15/14 18:29



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Project Location: Osborn School

Sample Description:

Work Order: 14H0613

Date Received: 8/14/2014

Sampled: 7/13/2014 00:00

Field Sample #: C0813-19

Sample ID: 14H0613-19

Sample Matrix: Concrete

Polychlorinated 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	1		SW-846 8082A	8/14/14	8/15/14 18:41	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:41	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:41	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:41	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:41	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:41	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:41	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:41	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:41	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	59.9	30-150							8/15/14 18:41
Decachlorobiphenyl [2]	56.6	30-150							8/15/14 18:41
Tetrachloro-m-xylene [1]	52.2	30-150							8/15/14 18:41
Tetrachloro-m-xylene [2]	43.2	30-150							8/15/14 18:41



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Project Location: Osborn School

Sample Description:

Work Order: 14H0613

Date Received: 8/14/2014

Sampled: 7/13/2014 00:00

Field Sample #: C0813-20

Sample ID: 14H0613-20

Sample Matrix: Concrete

Polychlorinated 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	1		SW-846 8082A	8/14/14	8/15/14 18:53	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:53	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:53	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:53	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:53	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:53	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:53	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:53	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:53	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	101	30-150							8/15/14 18:53
Decachlorobiphenyl [2]	94.8	30-150							8/15/14 18:53
Tetrachloro-m-xylene [1]	90.6	30-150							8/15/14 18:53
Tetrachloro-m-xylene [2]	73.4	30-150							8/15/14 18:53



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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
14H0613-01 [C0813-01]	B102641	2.00	10.0	08/14/14
14H0613-02 [C0813-02]	B102641	2.00	10.0	08/14/14
14H0613-03 [C0813-03]	B102641	2.00	10.0	08/14/14
14H0613-04 [C0813-04]	B102641	2.00	10.0	08/14/14
14H0613-05 [C0813-05]	B102641	2.00	10.0	08/14/14
14H0613-06 [C0813-06]	B102641	2.00	10.0	08/14/14
14H0613-07 [C0813-07]	B102641	2.10	10.0	08/14/14
14H0613-08 [C0813-08]	B102641	2.00	10.0	08/14/14
14H0613-09 [C0813-09]	B102641	2.00	10.0	08/14/14
14H0613-11 [C0813-11]	B102641	2.10	10.0	08/14/14
14H0613-12 [C0813-12]	B102641	2.10	10.0	08/14/14
14H0613-13 [C0813-13]	B102641	2.00	10.0	08/14/14
14H0613-14 [C0813-14]	B102641	2.00	10.0	08/14/14
14H0613-15 [C0813-15]	B102641	2.00	10.0	08/14/14
14H0613-16 [C0813-16]	B102641	2.10	10.0	08/14/14
14H0613-17 [C0813-17]	B102641	2.10	10.0	08/14/14
14H0613-18 [C0813-18]	B102641	2.00	10.0	08/14/14
14H0613-19 [C0813-19]	B102641	2.00	10.0	08/14/14
14H0613-20 [C0813-20]	B102641	2.00	10.0	08/14/14

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
14H0613-10RE1 [C0813-10]	B102775	1.08	5.00	08/15/14



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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	RPD Limit	Notes
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Batch B102641 - SW-846 3540C

Blank (B102641-BLK1)										Prepared: 08/14/14 Analyzed: 08/15/14
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	0.528		mg/Kg	1.00		52.8		30-150		
Surrogate: Decachlorobiphenyl [2C]	0.493		mg/Kg	1.00		49.3		30-150		
Surrogate: Tetrachloro-m-xylene	0.520		mg/Kg	1.00		52.0		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.428		mg/Kg	1.00		42.8		30-150		

LCS (B102641-BS1)										Prepared: 08/14/14 Analyzed: 08/15/14
Aroclor-1016	0.23	0.10	mg/Kg	0.250		90.2		40-140		
Aroclor-1016 [2C]	0.23	0.10	mg/Kg	0.250		91.8		40-140		
Aroclor-1260	0.23	0.10	mg/Kg	0.250		92.5		40-140		
Aroclor-1260 [2C]	0.25	0.10	mg/Kg	0.250		99.4		40-140		
Surrogate: Decachlorobiphenyl	0.933		mg/Kg	1.00		93.3		30-150		
Surrogate: Decachlorobiphenyl [2C]	0.868		mg/Kg	1.00		86.8		30-150		
Surrogate: Tetrachloro-m-xylene	0.859		mg/Kg	1.00		85.9		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.702		mg/Kg	1.00		70.2		30-150		

LCS Dup (B102641-BSD1)										Prepared: 08/14/14 Analyzed: 08/15/14
Aroclor-1016	0.18	0.10	mg/Kg	0.250		74.0		40-140	19.8	30
Aroclor-1016 [2C]	0.19	0.10	mg/Kg	0.250		75.9		40-140	18.9	30
Aroclor-1260	0.20	0.10	mg/Kg	0.250		78.5		40-140	16.3	30
Aroclor-1260 [2C]	0.20	0.10	mg/Kg	0.250		80.0		40-140	21.7	30
Surrogate: Decachlorobiphenyl	0.768		mg/Kg	1.00		76.8		30-150		
Surrogate: Decachlorobiphenyl [2C]	0.713		mg/Kg	1.00		71.3		30-150		
Surrogate: Tetrachloro-m-xylene	0.690		mg/Kg	1.00		69.0		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.566		mg/Kg	1.00		56.6		30-150		



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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch B102775 - SW-846 3540C

Blank (B102775-BLK1)						Prepared: 08/15/14 Analyzed: 08/16/14				
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	0.899		mg/Kg	1.00		89.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.849		mg/Kg	1.00		84.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.770		mg/Kg	1.00		77.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.630		mg/Kg	1.00		63.0	30-150			

LCS (B102775-BS1)						Prepared: 08/15/14 Analyzed: 08/16/14				
Aroclor-1016	0.15	0.10	mg/Kg	0.250		60.7	40-140			
Aroclor-1016 [2C]	0.15	0.10	mg/Kg	0.250		61.2	40-140			
Aroclor-1260	0.16	0.10	mg/Kg	0.250		66.0	40-140			
Aroclor-1260 [2C]	0.19	0.10	mg/Kg	0.250		74.0	40-140			
Surrogate: Decachlorobiphenyl	0.695		mg/Kg	1.00		69.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.663		mg/Kg	1.00		66.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.587		mg/Kg	1.00		58.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.485		mg/Kg	1.00		48.5	30-150			

LCS Dup (B102775-BSD1)						Prepared: 08/15/14 Analyzed: 08/16/14				
Aroclor-1016	0.18	0.10	mg/Kg	0.250		73.6	40-140	19.2	30	
Aroclor-1016 [2C]	0.18	0.10	mg/Kg	0.250		74.0	40-140	18.8	30	
Aroclor-1260	0.19	0.10	mg/Kg	0.250		76.6	40-140	14.9	30	
Aroclor-1260 [2C]	0.21	0.10	mg/Kg	0.250		84.2	40-140	12.9	30	
Surrogate: Decachlorobiphenyl	0.794		mg/Kg	1.00		79.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.754		mg/Kg	1.00		75.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.652		mg/Kg	1.00		65.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.537		mg/Kg	1.00		53.7	30-150			



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

C0813-11

Lab Sample ID: 14H0613-11 Date(s) Analyzed: 08/15/2014 08/15/2014

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	0.00	0.00	0.34	
	2	0.00	0.00	0.00	0.37	9.3



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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

SW-846 8082A

LCS

Lab Sample ID: B102641-BS1 Date(s) Analyzed: 08/15/2014 08/15/2014

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	0.23	
	2	0.00	0.00	0.00	0.23	2
Aroclor-1260	1	0.00	0.00	0.00	0.23	
	2	0.00	0.00	0.00	0.25	8



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS Dup

SW-846 8082A

Lab Sample ID: B102641-BSD1 Date(s) Analyzed: 08/15/2014 08/15/2014

Date(s) Analyzed: 08/15/2014 08/15/2014

Instrument ID (1): **1234567890** Instrument ID (2): **9876543210**

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	0.18	
	2	0.00	0.00	0.00	0.19	3
Aroclor-1260	1	0.00	0.00	0.00	0.20	
	2	0.00	0.00	0.00	0.20	2



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS

SW-846 8082A

Lab Sample ID: B102775-BS1 Date(s) Analyzed: 08/16/2014 08/16/2014

Date(s) Analyzed: 08/16/2014 08/16/2014

Instrument ID (1): **1234567890** Instrument ID (2): **9876543210**

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	0.15	
	2	0.00	0.00	0.00	0.15	1
Aroclor-1260	1	0.00	0.00	0.00	0.16	
	2	0.00	0.00	0.00	0.19	14



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS Dup

SW-846 8082A

Lab Sample ID: B102775-BSD1 Date(s) Analyzed: 08/16/2014 08/16/2014

Date(s) Analyzed: 08/16/2014 08/16/2014

Instrument ID (1): **1234567890** Instrument ID (2): **9876543210**

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	0.18	
	2	0.00	0.00	0.00	0.18	2
Aroclor-1260	1	0.00	0.00	0.00	0.19	
	2	0.00	0.00	0.00	0.21	9



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FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
- † Wide recovery limits established for difficult compound.
- ‡ Wide RPD limits established for difficult compound.
- # Data exceeded client recommended or regulatory level

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.



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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	06/30/2015
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2015
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2015
RI	Rhode Island Department of Health	LAO00112	12/30/2014
NC	North Carolina Div. of Water Quality	652	12/31/2014
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2015
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2014
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2014



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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 4 of 6

Company Name: AMC Environmental		Telephone: 203-378-5020		# of Containers	
Address: P.O. Box 423		Project #		** Preservation	
Stratford, CT 06615		Client PO#		*** Container Code	
Attention: Jason Pringle		DATA DELIVERY (check all that apply)		Dissolved Metals	
Project Location: Osborn School		○ FAX ○ EMAIL ○ WEBSITE		○ Field Filtered	
Sampled By: B. Graham		Format: ○ PDF ○ EXCEL ○ GIS		○ Lab to Filter	
Project Proposal Provided? (for billing purposes) ○ Yes _____ proposal date _____		Fax #: _____			
Email: results@amcenviron.com		Soxhlet 8082A			
Con-Test Lab ID (laboratory use only)		Collection			
01 C0813-01	Paint Hallway CMU	Beginning Date/Time	Ending Date/Time	Composite Grab	*Matrix Code Conc Code
02 C0813-02	CMU			✓	✓
03 C0813-03	CMU-M			✓	✓
04 C0813-04	CMU			✓	✓
05 C0813-05	CMU - M			✓	✓
06 C0813-06	CMU			✓	✓
07 C0813-07	CMU - M			✓	✓
08 C0813-08	CMU - M			✓	✓
09 C0813-09	CMU - M			✓	✓
10 C0813-10	CMU - M			✓	✓
Comments:					
<p>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</p>					
Relinquished by: (signature)		Date/Time: 8/14/14	Turnaround [†] <input type="checkbox"/> 7-Day	Detection Limit Requirements	
Received by: (signature)		Date/Time: 0936	<input checked="" type="checkbox"/> 10-Day <input type="checkbox"/> Other _____	Massachusetts:	
Relinquished by: (signature)		Date/Time:	<input checked="" type="checkbox"/> 24-Hr <input checked="" type="checkbox"/> 48-Hr <input checked="" type="checkbox"/> 72-Hr <input checked="" type="checkbox"/> 4-Day	<input type="radio"/> MCP Form Required <input type="radio"/> RCP Form Required <input type="radio"/> MA State DW Form Required PWISID # _____ <small>ACCREDITED BY THE AMERICAN SOCIETY FOR QUALITY</small> <small>ACCREDITED BY THE AMERICAN SOCIETY FOR QUALITY</small>	
Received by: (signature)		Date/Time:	[†] Require lab approval Other: _____	<small>ACCREDITED BY THE AMERICAN SOCIETY FOR QUALITY</small> <small>ACCREDITED BY THE AMERICAN SOCIETY FOR QUALITY</small>	

† 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



ACCREDITED BY THE AMERICAN SOCIETY FOR QUALITY



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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 2 of 6

Company Name: AMC Environmental		Telephone: 203-378-5020		# of Containers							
Address: P.O. Box 423 Stratford, CT 06615		Project # _____		** Preservation							
Attention: Jason Pringle		Client PO# _____		*** Container Code							
Project Location: Osborn School		DATA DELIVERY (check all that apply)		Dissolved Metals							
Sampled By: B. Graham		O FAX O EMAIL O WEBSITE		O Field Filtered							
Project Proposal Provided? (for billing purposes) O yes _____ proposal date		O OTHER		O Lab to Filter							
		Format: O PDF O EXCEL O GIS O "Enhanced Data Package"									
		Email: results@amcenviron.com									
Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection	Beginning Date/Time	Ending Date/Time	Composite	Grab	* Matrix Code	Core Code	Soxhlet	8082A	
11 COS13 - 11	Pait Hallway CMU		8/13/14			✓	✓	✓			
12 - 12	CMU - M					✓	✓	✓			
13 - 13	CMU					✓	✓	✓			
14 - 14	CMU-M					✓	✓	✓			
15 - 15	CMU					✓	✓	✓			
16 - 16	CMU - M					✓	✓	✓			
17 - 17	CMU					✓	✓	✓			
18 - 18	CMU - M					✓	✓	✓			
19 - 19	CMU					✓	✓	✓			
20 - 20	CMU - M					✓	✓	✓			
Comments:											
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											
Relinquished by: (signature)		Date/Time: 8/14/14		Turnaround [†]		Detection Limit Requirements		Is your project MCP or RCP ?			
Received by: (signature)		Date/Time: 8/14/14 0936		7-Day		Massachusetts:		<input type="radio"/> MCP Form Required <input type="radio"/> RCP Form Required <input type="radio"/> MA State DW Form Required PWSID # _____			
Relinquished by: (signature)		Date/Time: <input checked="" type="checkbox"/> 10-Day <input checked="" type="checkbox"/> Other _____		Connecticut: <1PPM				<input type="checkbox"/> GW = groundwater <input type="checkbox"/> WW = wastewater <input type="checkbox"/> DW = drinking water A = air S = soil/solid SL = sludge O = other			
Received by: (signature)		Date/Time: <input type="checkbox"/> 124-Hr <input checked="" type="checkbox"/> 48-Hr <input type="checkbox"/> 72-Hr <input type="checkbox"/> 14-Day		RUSH [†]				NELAC & AIHA Certified WBE/DBE Certified			
† Require lab approval Other: _____											

THE 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


780124462359

 Ship (P/U) date
Wed 8/13/2014 5:09 pm

CHA US


 Actual delivery
Thur 8/14/2014 9:36 am

MA US

Delivered

Signed for by G COLLINS



Let us tell you when your shipment arrives. Sign up for delivery notifications

Travel History

Date/Time	Activity	Location
- 8/14/2014 - Thursday		
9:36 am	Delivered	MA
8:09 am	On FedEx vehicle for delivery	WINDSOR LOCKS, CT
7:19 am	At local FedEx facility	WINDSOR LOCKS, CT
6:03 am	At destination sort facility	EAST GRANBY, CT
4:27 am	Departed FedEx location	INDIANAPOLIS, IN
12:18 am	Arrived at FedEx location	INDIANAPOLIS, IN
- 8/13/2014 - Wednesday		
9:43 pm	Left FedEx origin facility	PINEVILLE, NC
5:09 pm	Picked up Tendered at FedEx Office	CHARLOTTE, NC

Local Scan Time

Shipment Facts

Tracking number	780124462359	Service	FedEx Priority Overnight
Master tracking number	805046296225	Dimensions	26x14x15 in.
Delivered To	Receptionist/Front Desk	Total pieces	3
Total shipment weight	98 lbs / 44.45 kgs	Packaging	Your Packaging
Special handling section	Deliver Weekday		

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Page 1 of 2



Sample Receipt Checklist

CLIENT NAME: AMC EnvironmentalRECEIVED BY: CLDATE: 8.14.141) Was the chain(s) of custody relinquished and signed? Yes No No CoC Included

2) Does the chain agree with the samples?

If not, explain:

3) Are all the samples in good condition?

If not, explain:

 Yes No

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/ATemperature °C by Temp blank _____ Temperature °C by Temp gun 3.5°

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:

19Permission 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/A9) Do all samples have the proper Base pH: Yes No N/A10) 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	<u>20C</u>
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 _____ Time and Date Frozen:

Doc# 277 # Bisulfate _____ # DI Water _____

Rev. 4 August 2013 # Thiosulfate _____ Unpreserved

Page 2 of 2
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>
	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.	T	
4) Cooler Temperature is acceptable.	T	
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.	T	
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?

Doc #277 Rev. 4 August 2013

Log-In Technician Initials:

Date/Time:

Date/Time: 8.14.14 0936



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

August 16, 2014

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: 14H0614

Enclosed are results of analyses for samples received by the laboratory on August 14, 2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Lisa A. Worthington". The signature is fluid and cursive, with "Lisa" on top and "A. Worthington" stacked below it.

Lisa A. Worthington
Project Manager

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

REPORT DATE: 8/16/2014

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 14H0614

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
C0813-21	14H0614-01	Concrete		SW-846 8082A	
C0813-22	14H0614-02	Concrete		SW-846 8082A	
C0813-23	14H0614-03	Concrete		SW-846 8082A	
C0813-24	14H0614-04	Concrete		SW-846 8082A	
C0813-25	14H0614-05	Concrete		SW-846 8082A	
C0813-26	14H0614-06	Concrete		SW-846 8082A	
C0813-27	14H0614-07	Concrete		SW-846 8082A	
C0813-28	14H0614-08	Concrete		SW-846 8082A	
C0813-29	14H0614-09	Concrete		SW-846 8082A	
C0813-30	14H0614-10	Concrete		SW-846 8082A	
C0813-31	14H0614-11	Concrete		SW-846 8082A	
C0813-32	14H0614-12	Concrete		SW-846 8082A	
C0813-33	14H0614-13	Concrete		SW-846 8082A	
C0813-34	14H0614-14	Concrete		SW-846 8082A	
C0813-35	14H0614-15	Concrete		SW-846 8082A	
C0813-36	14H0614-16	Concrete		SW-846 8082A	
C0813-37	14H0614-17	Concrete		SW-846 8082A	
C0813-38	14H0614-18	Concrete		SW-846 8082A	
C0813-39	14H0614-19	Concrete		SW-846 8082A	
C0813-40	14H0614-20	Concrete		SW-846 8082A	



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CASE NARRATIVE SUMMARY

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

SW-846 8082A

Qualifications:

O-03

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

Analyte & Samples(s) Qualified:

Aroclor-1254

14H0614-10[C0813-30]

Aroclor-1254 [2C]

14H0614-10[C0813-30]

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 "Daren J. Damboragian".

Daren J. Damboragian
Laboratory Manager



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

Project Location: Osborn School

Sample Description:

Work Order: 14H0614

Date Received: 8/14/2014

Sampled: 8/13/2014 00:00

Field Sample #: C0813-21

Sample ID: 14H0614-01

Sample Matrix: Concrete

Polychlorinated 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	8/14/14	8/15/14 18:34	KAL
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:34	KAL
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:34	KAL
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:34	KAL
Aroclor-1248 [1]	0.13	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:34	KAL
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:34	KAL
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:34	KAL
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:34	KAL
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:34	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	97.2	30-150							8/15/14 18:34
Decachlorobiphenyl [2]	95.7	30-150							8/15/14 18:34
Tetrachloro-m-xylene [1]	92.8	30-150							8/15/14 18:34
Tetrachloro-m-xylene [2]	101	30-150							8/15/14 18:34



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Project Location: Osborn School

Sample Description:

Work Order: 14H0614

Date Received: 8/14/2014

Field Sample #: C0813-22

Sampled: 8/13/2014 00:00

Sample ID: 14H0614-02

Sample Matrix: Concrete

Polychlorinated 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	1		SW-846 8082A	8/14/14	8/15/14 18:46	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:46	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:46	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:46	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:46	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:46	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:46	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:46	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:46	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	98.7	30-150							8/15/14 18:46
Decachlorobiphenyl [2]	98.4	30-150							8/15/14 18:46
Tetrachloro-m-xylene [1]	94.2	30-150							8/15/14 18:46
Tetrachloro-m-xylene [2]	100	30-150							8/15/14 18:46



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Project Location: Osborn School

Sample Description:

Work Order: 14H0614

Date Received: 8/14/2014

Sampled: 8/13/2014 00:00

Field Sample #: C0813-23

Sample ID: 14H0614-03

Sample Matrix: Concrete

Polychlorinated 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	1		SW-846 8082A	8/14/14	8/15/14 18:58	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:58	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:58	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:58	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:58	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:58	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:58	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:58	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 18:58	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	95.6	30-150							8/15/14 18:58
Decachlorobiphenyl [2]	95.7	30-150							8/15/14 18:58
Tetrachloro-m-xylene [1]	89.8	30-150							8/15/14 18:58
Tetrachloro-m-xylene [2]	98.0	30-150							8/15/14 18:58



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Project Location: Osborn School

Sample Description:

Work Order: 14H0614

Date Received: 8/14/2014

Sampled: 8/13/2014 00:00

Field Sample #: C0813-24

Sample ID: 14H0614-04

Sample Matrix: Concrete

Polychlorinated 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	1		SW-846 8082A	8/14/14	8/15/14 19:11	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:11	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:11	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:11	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:11	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:11	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:11	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:11	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:11	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	100	30-150							8/15/14 19:11
Decachlorobiphenyl [2]	96.6	30-150							8/15/14 19:11
Tetrachloro-m-xylene [1]	89.9	30-150							8/15/14 19:11
Tetrachloro-m-xylene [2]	96.7	30-150							8/15/14 19:11



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Project Location: Osborn School

Sample Description:

Work Order: 14H0614

Date Received: 8/14/2014

Sampled: 8/13/2014 00:00

Field Sample #: C0813-25

Sample ID: 14H0614-05

Sample Matrix: Concrete

Polychlorinated 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	1		SW-846 8082A	8/14/14	8/15/14 19:23	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:23	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:23	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:23	KAL
Aroclor-1248 [2]	0.12	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:23	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:23	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:23	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:23	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:23	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	79.7	30-150							8/15/14 19:23
Decachlorobiphenyl [2]	75.8	30-150							8/15/14 19:23
Tetrachloro-m-xylene [1]	77.6	30-150							8/15/14 19:23
Tetrachloro-m-xylene [2]	80.9	30-150							8/15/14 19:23



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Project Location: Osborn School

Sample Description:

Work Order: 14H0614

Date Received: 8/14/2014

Sampled: 8/13/2014 00:00

Field Sample #: C0813-26

Sample ID: 14H0614-06

Sample Matrix: Concrete

Polychlorinated 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	1		SW-846 8082A	8/14/14	8/15/14 19:35	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:35	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:35	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:35	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:35	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:35	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:35	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:35	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:35	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	99.4	30-150							8/15/14 19:35
Decachlorobiphenyl [2]	95.9	30-150							8/15/14 19:35
Tetrachloro-m-xylene [1]	97.3	30-150							8/15/14 19:35
Tetrachloro-m-xylene [2]	103	30-150							8/15/14 19:35



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Project Location: Osborn School

Sample Description:

Work Order: 14H0614

Date Received: 8/14/2014

Sampled: 8/13/2014 00:00

Field Sample #: C0813-27

Sample ID: 14H0614-07

Sample Matrix: Concrete

Polychlorinated 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	8/14/14	8/15/14 19:48	KAL
Aroclor-1221 [1]	ND	0.20	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:48	KAL
Aroclor-1232 [1]	ND	0.20	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:48	KAL
Aroclor-1242 [1]	ND	0.20	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:48	KAL
Aroclor-1248 [1]	ND	0.20	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:48	KAL
Aroclor-1254 [1]	ND	0.20	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:48	KAL
Aroclor-1260 [1]	ND	0.20	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:48	KAL
Aroclor-1262 [1]	ND	0.20	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:48	KAL
Aroclor-1268 [1]	ND	0.20	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 19:48	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	85.4	30-150							8/15/14 19:48
Decachlorobiphenyl [2]	82.6	30-150							8/15/14 19:48
Tetrachloro-m-xylene [1]	65.2	30-150							8/15/14 19:48
Tetrachloro-m-xylene [2]	68.9	30-150							8/15/14 19:48



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Project Location: Osborn School

Sample Description:

Work Order: 14H0614

Date Received: 8/14/2014

Field Sample #: C0813-28

Sampled: 8/13/2014 00:00

Sample ID: 14H0614-08

Sample Matrix: Concrete

Polychlorinated 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	8/14/14	8/15/14 20:00	KAL
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:00	KAL
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:00	KAL
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:00	KAL
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:00	KAL
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:00	KAL
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:00	KAL
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:00	KAL
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:00	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	98.5	30-150							8/15/14 20:00
Decachlorobiphenyl [2]	93.8	30-150							8/15/14 20:00
Tetrachloro-m-xylene [1]	94.4	30-150							8/15/14 20:00
Tetrachloro-m-xylene [2]	100	30-150							8/15/14 20:00



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Project Location: Osborn School

Sample Description:

Work Order: 14H0614

Date Received: 8/14/2014

Sampled: 8/13/2014 00:00

Field Sample #: C0813-29

Sample ID: 14H0614-09

Sample Matrix: Concrete

Polychlorinated 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	1		SW-846 8082A	8/14/14	8/15/14 20:12	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:12	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:12	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:12	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:12	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:12	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:12	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:12	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:12	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	91.8	30-150							8/15/14 20:12
Decachlorobiphenyl [2]	88.1	30-150							8/15/14 20:12
Tetrachloro-m-xylene [1]	88.5	30-150							8/15/14 20:12
Tetrachloro-m-xylene [2]	94.6	30-150							8/15/14 20:12



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Project Location: Osborn School

Sample Description:

Work Order: 14H0614

Date Received: 8/14/2014

Sampled: 8/13/2014 00:00

Field Sample #: C0813-30

Sample ID: 14H0614-10

Sample Matrix: Concrete

Polychlorinated 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	1		SW-846 8082A	8/14/14	8/15/14 20:25	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:25	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:25	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:25	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:25	KAL
Aroclor-1254 [1]	0.10	0.10	mg/Kg	1	O-03	SW-846 8082A	8/14/14	8/15/14 20:25	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:25	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:25	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:25	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	102	30-150							8/15/14 20:25
Decachlorobiphenyl [2]	97.5	30-150							8/15/14 20:25
Tetrachloro-m-xylene [1]	91.5	30-150							8/15/14 20:25
Tetrachloro-m-xylene [2]	97.0	30-150							8/15/14 20:25



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Project Location: Osborn School

Sample Description:

Work Order: 14H0614

Date Received: 8/14/2014

Sampled: 8/13/2014 00:00

Field Sample #: C0813-31

Sample ID: 14H0614-11

Sample Matrix: Concrete

Polychlorinated 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	1		SW-846 8082A	8/14/14	8/15/14 21:02	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 21:02	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 21:02	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 21:02	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 21:02	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 21:02	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 21:02	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 21:02	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 21:02	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	97.7	30-150							8/15/14 21:02
Decachlorobiphenyl [2]	97.8	30-150							8/15/14 21:02
Tetrachloro-m-xylene [1]	88.2	30-150							8/15/14 21:02
Tetrachloro-m-xylene [2]	99.4	30-150							8/15/14 21:02



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Project Location: Osborn School

Sample Description:

Work Order: 14H0614

Date Received: 8/14/2014

Field Sample #: C0813-32

Sampled: 8/13/2014 00:00

Sample ID: 14H0614-12

Sample Matrix: Concrete

Polychlorinated 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	1		SW-846 8082A	8/14/14	8/15/14 21:14	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 21:14	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 21:14	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 21:14	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 21:14	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 21:14	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 21:14	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 21:14	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 21:14	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	95.2	30-150							8/15/14 21:14
Decachlorobiphenyl [2]	97.9	30-150							8/15/14 21:14
Tetrachloro-m-xylene [1]	93.9	30-150							8/15/14 21:14
Tetrachloro-m-xylene [2]	101	30-150							8/15/14 21:14



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Project Location: Osborn School

Sample Description:

Work Order: 14H0614

Date Received: 8/14/2014

Sampled: 8/13/2014 00:00

Field Sample #: C0813-33

Sample ID: 14H0614-13

Sample Matrix: Concrete

Polychlorinated 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	8/14/14	8/15/14 21:21	KAL
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 21:21	KAL
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 21:21	KAL
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 21:21	KAL
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 21:21	KAL
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 21:21	KAL
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 21:21	KAL
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 21:21	KAL
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 21:21	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	106	30-150							8/15/14 21:21
Decachlorobiphenyl [2]	100	30-150							8/15/14 21:21
Tetrachloro-m-xylene [1]	92.7	30-150							8/15/14 21:21
Tetrachloro-m-xylene [2]	75.0	30-150							8/15/14 21:21



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

Project Location: Osborn School

Sample Description:

Work Order: 14H0614

Date Received: 8/14/2014

Sampled: 8/13/2014 00:00

Field Sample #: C0813-34

Sample ID: 14H0614-14

Sample Matrix: Concrete

Polychlorinated 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	8/14/14	8/15/14 21:33	KAL
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 21:33	KAL
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 21:33	KAL
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 21:33	KAL
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 21:33	KAL
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 21:33	KAL
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 21:33	KAL
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 21:33	KAL
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 21:33	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	108	30-150							8/15/14 21:33
Decachlorobiphenyl [2]	102	30-150							8/15/14 21:33
Tetrachloro-m-xylene [1]	89.8	30-150							8/15/14 21:33
Tetrachloro-m-xylene [2]	73.1	30-150							8/15/14 21:33



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Project Location: Osborn School

Sample Description:

Work Order: 14H0614

Date Received: 8/14/2014

Sampled: 8/13/2014 00:00

Field Sample #: C0813-35

Sample ID: 14H0614-15

Sample Matrix: Concrete

Polychlorinated 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	8/14/14	8/15/14 20:07	KAL
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:07	KAL
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:07	KAL
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:07	KAL
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:07	KAL
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:07	KAL
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:07	KAL
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:07	KAL
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:07	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	104	30-150							8/15/14 20:07
Decachlorobiphenyl [2]	97.1	30-150							8/15/14 20:07
Tetrachloro-m-xylene [1]	92.7	30-150							8/15/14 20:07
Tetrachloro-m-xylene [2]	75.1	30-150							8/15/14 20:07



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Project Location: Osborn School

Sample Description:

Work Order: 14H0614

Date Received: 8/14/2014

Sampled: 8/13/2014 00:00

Field Sample #: C0813-36

Sample ID: 14H0614-16

Sample Matrix: Concrete

Polychlorinated 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	8/14/14	8/15/14 20:19	KAL
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:19	KAL
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:19	KAL
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:19	KAL
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:19	KAL
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:19	KAL
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:19	KAL
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:19	KAL
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:19	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	103	30-150							8/15/14 20:19
Decachlorobiphenyl [2]	96.4	30-150							8/15/14 20:19
Tetrachloro-m-xylene [1]	91.2	30-150							8/15/14 20:19
Tetrachloro-m-xylene [2]	73.8	30-150							8/15/14 20:19



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Project Location: Osborn School

Sample Description:

Work Order: 14H0614

Date Received: 8/14/2014

Sampled: 8/13/2014 00:00

Field Sample #: C0813-37

Sample ID: 14H0614-17

Sample Matrix: Concrete

Polychlorinated 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	8/14/14	8/15/14 20:32	KAL
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:32	KAL
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:32	KAL
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:32	KAL
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:32	KAL
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:32	KAL
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:32	KAL
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:32	KAL
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:32	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	101	30-150							8/15/14 20:32
Decachlorobiphenyl [2]	95.1	30-150							8/15/14 20:32
Tetrachloro-m-xylene [1]	88.8	30-150							8/15/14 20:32
Tetrachloro-m-xylene [2]	72.1	30-150							8/15/14 20:32



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Project Location: Osborn School

Sample Description:

Work Order: 14H0614

Date Received: 8/14/2014

Sampled: 8/13/2014 00:00

Field Sample #: C0813-38

Sample ID: 14H0614-18

Sample Matrix: Concrete

Polychlorinated 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	8/14/14	8/15/14 20:44	KAL
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:44	KAL
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:44	KAL
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:44	KAL
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:44	KAL
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:44	KAL
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:44	KAL
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:44	KAL
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:44	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	105	30-150							8/15/14 20:44
Decachlorobiphenyl [2]	99.2	30-150							8/15/14 20:44
Tetrachloro-m-xylene [1]	91.0	30-150							8/15/14 20:44
Tetrachloro-m-xylene [2]	74.0	30-150							8/15/14 20:44



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Project Location: Osborn School

Sample Description:

Work Order: 14H0614

Date Received: 8/14/2014

Field Sample #: C0813-39

Sampled: 8/13/2014 00:00

Sample ID: 14H0614-19

Sample Matrix: Concrete

Polychlorinated 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	1		SW-846 8082A	8/14/14	8/15/14 20:56	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:56	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:56	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:56	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:56	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:56	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:56	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:56	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 20:56	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	103	30-150							8/15/14 20:56
Decachlorobiphenyl [2]	97.0	30-150							8/15/14 20:56
Tetrachloro-m-xylene [1]	89.6	30-150							8/15/14 20:56
Tetrachloro-m-xylene [2]	73.1	30-150							8/15/14 20:56



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Project Location: Osborn School

Sample Description:

Work Order: 14H0614

Date Received: 8/14/2014

Sampled: 8/13/2014 00:00

Field Sample #: C0813-40

Sample ID: 14H0614-20

Sample Matrix: Concrete

Polychlorinated 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	1		SW-846 8082A	8/14/14	8/15/14 21:09	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 21:09	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 21:09	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 21:09	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 21:09	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 21:09	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 21:09	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 21:09	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 21:09	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	103	30-150							8/15/14 21:09
Decachlorobiphenyl [2]	97.9	30-150							8/15/14 21:09
Tetrachloro-m-xylene [1]	91.7	30-150							8/15/14 21:09
Tetrachloro-m-xylene [2]	74.4	30-150							8/15/14 21:09

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
14H0614-01 [C0813-21]	B102642	2.02	10.0	08/14/14
14H0614-02 [C0813-22]	B102642	2.01	10.0	08/14/14
14H0614-03 [C0813-23]	B102642	2.00	10.0	08/14/14
14H0614-04 [C0813-24]	B102642	2.00	10.0	08/14/14
14H0614-05 [C0813-25]	B102642	2.01	10.0	08/14/14
14H0614-06 [C0813-26]	B102642	2.01	10.0	08/14/14
14H0614-07 [C0813-27]	B102642	1.00	10.0	08/14/14
14H0614-08 [C0813-28]	B102642	2.02	10.0	08/14/14
14H0614-09 [C0813-29]	B102642	2.01	10.0	08/14/14
14H0614-10 [C0813-30]	B102642	2.01	10.0	08/14/14
14H0614-11 [C0813-31]	B102642	2.00	10.0	08/14/14
14H0614-12 [C0813-32]	B102642	2.00	10.0	08/14/14
14H0614-13 [C0813-33]	B102642	2.04	10.0	08/14/14
14H0614-14 [C0813-34]	B102642	2.04	10.0	08/14/14
14H0614-15 [C0813-35]	B102642	2.05	10.0	08/14/14
14H0614-16 [C0813-36]	B102642	2.02	10.0	08/14/14
14H0614-17 [C0813-37]	B102642	2.02	10.0	08/14/14
14H0614-18 [C0813-38]	B102642	2.02	10.0	08/14/14
14H0614-19 [C0813-39]	B102642	2.01	10.0	08/14/14
14H0614-20 [C0813-40]	B102642	2.01	10.0	08/14/14

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	RPD Limit	Notes
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Batch B102642 - SW-846 3540C

Blank (B102642-BLK1)					Prepared: 08/14/14 Analyzed: 08/15/14					
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	0.736	mg/Kg	1.00		73.6	30-150				
Surrogate: Decachlorobiphenyl [2C]	0.731	mg/Kg	1.00		73.1	30-150				
Surrogate: Tetrachloro-m-xylene	0.303	mg/Kg	1.00		30.3	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	0.317	mg/Kg	1.00		31.7	30-150				

LCS (B102642-BS1)					Prepared: 08/14/14 Analyzed: 08/15/14					
Aroclor-1016	0.21	0.10	mg/Kg	0.250		84.9	40-140			
Aroclor-1016 [2C]	0.21	0.10	mg/Kg	0.250		83.0	40-140			
Aroclor-1260	0.21	0.10	mg/Kg	0.250		83.8	40-140			
Aroclor-1260 [2C]	0.21	0.10	mg/Kg	0.250		83.9	40-140			
Surrogate: Decachlorobiphenyl	0.761	mg/Kg	1.00		76.1	30-150				
Surrogate: Decachlorobiphenyl [2C]	0.750	mg/Kg	1.00		75.0	30-150				
Surrogate: Tetrachloro-m-xylene	0.754	mg/Kg	1.00		75.4	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	0.818	mg/Kg	1.00		81.8	30-150				

LCS Dup (B102642-BSD1)					Prepared: 08/14/14 Analyzed: 08/15/14					
Aroclor-1016	0.23	0.10	mg/Kg	0.250		93.0	40-140	9.05	30	
Aroclor-1016 [2C]	0.24	0.10	mg/Kg	0.250		96.2	40-140	14.7	30	
Aroclor-1260	0.23	0.10	mg/Kg	0.250		92.4	40-140	9.73	30	
Aroclor-1260 [2C]	0.24	0.10	mg/Kg	0.250		95.5	40-140	13.0	30	
Surrogate: Decachlorobiphenyl	0.879	mg/Kg	1.00		87.9	30-150				
Surrogate: Decachlorobiphenyl [2C]	0.865	mg/Kg	1.00		86.5	30-150				
Surrogate: Tetrachloro-m-xylene	0.856	mg/Kg	1.00		85.6	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	0.931	mg/Kg	1.00		93.1	30-150				

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QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

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

Batch B102642 - SW-846 3540C

Matrix Spike (B102642-MS1)		Source: 14H0614-06		Prepared: 08/14/14 Analyzed: 08/15/14					
Aroclor-1016	0.25	0.10	mg/Kg	0.249	0.0	100	40-140		
Aroclor-1016 [2C]	0.25	0.10	mg/Kg	0.249	0.0	101	40-140		
Aroclor-1260	0.23	0.10	mg/Kg	0.249	0.0	92.9	40-140		
Aroclor-1260 [2C]	0.24	0.10	mg/Kg	0.249	0.0	96.5	40-140		
Surrogate: Decachlorobiphenyl	0.859		mg/Kg	0.995		86.3	30-150		
Surrogate: Decachlorobiphenyl [2C]	0.853		mg/Kg	0.995		85.7	30-150		
Surrogate: Tetrachloro-m-xylene	0.803		mg/Kg	0.995		80.8	30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.872		mg/Kg	0.995		87.6	30-150		
Matrix Spike Dup (B102642-MSD1)		Source: 14H0614-06		Prepared: 08/14/14 Analyzed: 08/15/14					
Aroclor-1016	0.29	0.10	mg/Kg	0.250	0.0	114	40-140	13.9	50
Aroclor-1016 [2C]	0.30	0.10	mg/Kg	0.250	0.0	120	40-140	17.4	50
Aroclor-1260	0.26	0.10	mg/Kg	0.250	0.0	103	40-140	11.0	50
Aroclor-1260 [2C]	0.27	0.10	mg/Kg	0.250	0.0	106	40-140	10.2	50
Surrogate: Decachlorobiphenyl	0.966		mg/Kg	1.00		96.6	30-150		
Surrogate: Decachlorobiphenyl [2C]	0.957		mg/Kg	1.00		95.7	30-150		
Surrogate: Tetrachloro-m-xylene	0.955		mg/Kg	1.00		95.5	30-150		
Surrogate: Tetrachloro-m-xylene [2C]	1.02		mg/Kg	1.00		102	30-150		



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

C0813-21

Lab Sample ID: 14H0614-01 Date(s) Analyzed: 08/15/2014 08/15/2014

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-1248	1	0.00	0.00	0.00	0.13	
	2	0.00	0.00	0.00	0.12	4.9



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

C0813-25

SW-846 8082A

Lab Sample ID: 14H0614-05 Date(s) Analyzed: 08/15/2014 08/15/2014

Date(s) Analyzed: 08/15/2014 08/15/2014

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-1248	1	0.00	0.00	0.00	0.11	
	2	0.00	0.00	0.00	0.12	7.8



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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

SW-846 8082A

LCS

Lab Sample ID: B102642-BS1 Date(s) Analyzed: 08/15/2014 08/15/2014

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	0.21	
	2	0.00	0.00	0.00	0.21	1
Aroclor-1260	1	0.00	0.00	0.00	0.21	
	2	0.00	0.00	0.00	0.21	0



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS Dup

SW-846 8082A

Lab Sample ID: B102642-BSD1 Date(s) Analyzed: 08/15/2014 08/15/2014

Date(s) Analyzed: 08/15/2014 08/15/2014

Instrument ID (1): **1234567890** Instrument ID (2): **9876543210**

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	0.23	
	2	0.00	0.00	0.00	0.24	3
Aroclor-1260	1	0.00	0.00	0.00	0.23	
	2	0.00	0.00	0.00	0.24	4



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike

Lab Sample ID: B102642-MS1 Date(s) Analyzed: 08/15/2014 08/15/2014

Date(s) Analyzed: 08/15/2014 08/15/2014

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	0.25	
	2	0.00	0.00	0.00	0.25	0
Aroclor-1260	1	0.00	0.00	0.00	0.23	
	2	0.00	0.00	0.00	0.24	4



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

Matrix Spike Dup

SW-846 8082A

Lab Sample ID: B102642-MSD1 Date(s) Analyzed: 08/15/2014 08/15/2014

Date(s) Analyzed: 08/15/2014 08/15/2014

Instrument ID (1): **1234567890** Instrument ID (2): **9876543210**

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	0.29	
	2	0.00	0.00	0.00	0.30	5
Aroclor-1260	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.27	5

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FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
 - † Wide recovery limits established for difficult compound.
 - ‡ Wide RPD limits established for difficult compound.
 - # Data exceeded client recommended or regulatory level
- Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
- No results have been blank subtracted unless specified in the case narrative section.
- O-03 Sample contains two incompletely resolved aroclors. Aroclor with the closest matching pattern is reported.



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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	06/30/2015
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2015
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2015
RI	Rhode Island Department of Health	LAO00112	12/30/2014
NC	North Carolina Div. of Water Quality	652	12/31/2014
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2015
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2014
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2014

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ANALYTICAL LABORATORY

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CHAIN OF CUSTODY RECORD

14H0614

39 Spruce Street
East Longmeadow, MA 01028

Page 3 of 6

Company Name: AMC Environmental		Address: P.O. Box 423 Stratford, CT 06615		Telephone: 203-378-5020		# of Containers ** Preservation	
Attention: Jason Pringle		Project #: _____		ANALYSIS REQUESTED		***Container Code	
Project Location: Osborn School		Client PO# _____		DATA DELIVERY (check all that apply)		Dissolved Metals ○ Field Filtered ○ Lab to Filter	
Sampled By: B. Graham		Email: results@amcenviron.com		Format: ○ PDF ○ EXCEL ○ GIS ○ OTHER ○ "Enhanced Data Package"		***Cont. Code: A=Amber G=glass P=plastic ST=sterile V=vial S=summa can T=tedlar bag O=Other	
Con-Test Lab ID (laboratory use only)		Client Sample ID / Description		Beginning Date/Time		Ending Date/Time	
01	C0813 - 21	Paint-Hallway CMU	8/13/14	8/13/14	Grab	Composite	Matrix Conc. Code
02	- 22	CMU					
03	- 23	CMU					
04	- 24	CMU-M					
05	- 25	CMU					
06	- 26	CMU-M					
07	- 27	CMU					
08	- 28	CMU-M					
09	- 29	CMU-M					
10	- 30	CMU-M					
Comments: _____							
Relinquished by: (signature) <i>Contest</i>		Date/Time:	Turnaround ^{††} Massachusetts:	Detection Limit Requirements		Is your project MCP or RCP?	
Received by: (signature) <i>Contest</i>		Date/Time:	□ 7-Day	<input type="radio"/> MCP Form Required <input type="radio"/> RCP Form Required <input type="radio"/> MA State DW Form Required PWSID # _____		*Matrix Code: GW = groundwater WW = wastewater DW = drinking water A = air S = soil/solid SL = sludge O = other _____	
Relinquished by: (signature) <i>RUSH</i>		Date/Time:	<input type="checkbox"/> 10-Day <input checked="" type="checkbox"/> Other _____ RUSH[†] <input type="checkbox"/> 124-Hr <input checked="" type="checkbox"/> 48-Hr <input type="checkbox"/> 72-Hr <input type="checkbox"/> 4-Day	Connecticut: ≤1PPM			
Received by: (signature)		Date/Time:	□ Require lab approval	Other: _____			

^{††} 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

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

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



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ANALYTICAL LABORATORY

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 4 of 6

14H0614

Company Name: AMC Environmental		Address: P.O. Box 423		Telephone: 203-378-5020	
Attention: Jason Pringle		Project #		# of Containers	
Project Location: Osborn School		Client PO#		**Preservation	
Sampled By: B. Graham		DATA DELIVERY (check all that apply)		***Container Code	
Project Proposal Provided? (for billing purposes) <input type="radio"/> yes <input checked="" type="radio"/> no proposal date		<input type="radio"/> FAX <input checked="" type="radio"/> EMAIL <input type="checkbox"/> WEBSITE <input type="radio"/> OTHER <input type="radio"/> Enhanced Data Package		***Cont. Code: A=amber glass G=glass P=plastic ST=sterile V=vial S=summa can T=tedlar bag O=Other	
Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection	Beginning Date/Time	Ending Date/Time	Composite
11 C0813 - 31	Paint Hallway CMU	Soxhlet	8/13/14		Grab
12 - 32	CMU-M				Matrix Code Conc Conc
13 - 33	CMU				
14 - 34	CMU-M				
15 - 35	CMU				
16 - 36	CMU-M				
17 - 37	CMU				
18 - 38	CMU-M				
19 - 39	CMU				
20 - 40	CMU-M				
Comments:					
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					
Relinquished by: (signature) 	Date/Time: 8/14/14	TumaroundTM	Detection Limit Requirements		Is your project MCP or RCP?
Received by: (signature) 	Date/Time: 3.5° 8/14/14 0936	7-Day	Massachusetts:		<input type="radio"/> MCP Form Required <input type="radio"/> RCP Form Required <input type="radio"/> MA State DW Form Required PWSID #
Relinquished by: (signature)	Date/Time:	<input type="checkbox"/> 10-Day <input checked="" type="checkbox"/> Other _____	Connecticut: <1PPM <input type="checkbox"/> 124-Hr <input checked="" type="checkbox"/> 148-Hr <input type="checkbox"/> 172-Hr <input type="checkbox"/> 4-Day		*Matrix Code: GW = groundwater WW = wastewater DW = drinking water A = air S = soil/solid SL = sludge O = other _____
Received by: (signature)	Date/Time:	<input type="checkbox"/> Require lab approval <input type="checkbox"/> Other _____			

IS INCORRECT, 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 PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT




780124462359

 Consignment
 Wed 8/13/2014 5:09 pm

CHA - US


Delivered
Received by FedEx Office

 Final delivery
Thur 8/14/2014 9:36 am

MA - US

3 Piece shipment

Let us tell you when your shipment arrives. Sign up for delivery notifications

Travel History

Date/Time	Activity	Location
~ 8/14/2014	Thursday	
9:36 am	Delivered	MA
8:09 am	On FedEx x vehicle for delivery	WINDSOR LOCKS, CT
7:19 am	At local FedEx x facility	WINDSOR LOCKS, CT
6:03 am	At destination sort facility	EAST GRANBY, CT
4:27 am	Departed FedEx location	INDIANAPOLIS, IN
12:13 am	Arrived at FedEx location	INDIANAPOLIS, IN
~ 8/13/2014	Wednesday	
9:43 pm	Left FedEx origin facility	PINEVILLE, NC
6:09 pm	Picked up Customer's 3 FedEx packages	CHARLOTTE, NC

Local Scan Time

Shipment Facts

Tracking number	780124462359	Service	FedEx Priority Overnight
Master tracking number	805046296226	Dimensions	26x14x15 in
Delivered To	Receptionist/Front Desk	Total pieces	3
Total shipment weight	98 lbs / 44.45 kgs	Packaging	Your Packaging
Special handling section	Deliver Weekday		

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East Longmeadow, MA. 01028
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Page 1 of 2



Sample Receipt Checklist

CLIENT NAME: AMC EnvironmentalRECEIVED BY: LLDATE: 8.14.14

1) Was the chain(s) of custody relinquished and signed?

Yes 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

3.5°

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:

19

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/A9) Do all samples have the proper Base pH: Yes No N/A10) 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	<u>200</u>
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 _____ Time and Date Frozen:

Doc# 277

Bisulfate _____ # DI Water _____

Rev. 4 August 2013

Thiosulfate _____ Unpreserved _____

Page 2 of 2
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>
	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.	T	
4) Cooler Temperature is acceptable.	T	
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.	T	
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: CC

Date/Time:

Date/Time: 8.14.14 0936



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

July 30, 2014

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: 14G1233

Enclosed are results of analyses for samples received by the laboratory on July 28, 2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Lisa A. Worthington". The signature is fluid and cursive, with "Lisa" and "Worthington" being the most distinct parts.

Lisa A. Worthington
Project Manager

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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: 7/30/2014

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 14G1233

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
W072701	14G1233-01	Wipe	rm 124 ext. poly wall	SW-846 8082A	
W072702	14G1233-02	Wipe	rm 124 int. poly wall	SW-846 8082A	
W072703	14G1233-03	Wipe	rm 123 ext. poly wall	SW-846 8082A	
W072704	14G1233-04	Wipe	rm 123 int. poly wall	SW-846 8082A	
W072705	14G1233-05	Wipe	rm 122 ext. poly	SW-846 8082A	
W072706	14G1233-06	Wipe	rm 122 int. poly wall	SW-846 8082A	
W072707	14G1233-07	Wipe	rm 119 ext. poly wall	SW-846 8082A	
W072708	14G1233-08	Wipe	rm 119 int. poly floor	SW-846 8082A	
W072709	14G1233-09	Wipe	rm 120 ext. poly wall	SW-846 8082A	
W072710	14G1233-10	Wipe	rm 120 int. poly wall	SW-846 8082A	
W072711	14G1233-11	Wipe	rm 121 ext. poly wall	SW-846 8082A	
W072712	14G1233-12	Wipe	rm 121 int. poly wall	SW-846 8082A	
W072713	14G1233-13	Wipe	blank	SW-846 8082A	
W072714	14G1233-14	Wipe	blank	SW-846 8082A	
C072701	14G1233-15	Product/Solid	rm 124 brick mortat	SW-846 8082A	
C072702	14G1233-16	Product/Solid	rm 124 CMU	SW-846 8082A	
C072703	14G1233-17	Product/Solid	rm 123 brick	SW-846 8082A	
C072704	14G1233-18	Product/Solid	rm 123 CMU	SW-846 8082A	
C072705	14G1233-19	Product/Solid	rm 122 brick	SW-846 8082A	
C072706	14G1233-20	Product/Solid	rm 122 CMU-M	SW-846 8082A	



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CASE NARRATIVE SUMMARY

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

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 "m. erickson".

Michael A. Erickson
Laboratory Director



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

Project Location: Osborn School

Sample Description: rm 124 ext. poly wall

Work Order: 14G1233

Date Received: 7/28/2014

Sampled: 7/27/2014 00:00

Field Sample #: W072701

Sample ID: 14G1233-01

Sample Matrix: Wipe

Polychlorinated 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	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 10:57	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 10:57	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 10:57	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 10:57	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 10:57	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 10:57	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 10:57	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 10:57	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 10:57	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	83.5	30-150							7/30/14 10:57
Decachlorobiphenyl [2]	76.1	30-150							7/30/14 10:57
Tetrachloro-m-xylene [1]	86.9	30-150							7/30/14 10:57
Tetrachloro-m-xylene [2]	85.3	30-150							7/30/14 10:57



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

Project Location: Osborn School

Sample Description: rm 124 int. poly wall

Work Order: 14G1233

Date Received: 7/28/2014

Sampled: 7/27/2014 00:00

Field Sample #: W072702

Sample ID: 14G1233-02

Sample Matrix: Wipe

Polychlorinated 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	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:10	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:10	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:10	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:10	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:10	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:10	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:10	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:10	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:10	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	86.7	30-150							7/30/14 11:10
Decachlorobiphenyl [2]	81.5	30-150							7/30/14 11:10
Tetrachloro-m-xylene [1]	90.1	30-150							7/30/14 11:10
Tetrachloro-m-xylene [2]	87.6	30-150							7/30/14 11:10



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

Project Location: Osborn School

Sample Description: rm 123 ext. poly wall

Work Order: 14G1233

Date Received: 7/28/2014

Sampled: 7/27/2014 00:00

Field Sample #: W072703

Sample ID: 14G1233-03

Sample Matrix: Wipe

Polychlorinated 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	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:23	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:23	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:23	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:23	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:23	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:23	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:23	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:23	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:23	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	80.8	30-150							7/30/14 11:23
Decachlorobiphenyl [2]	75.3	30-150							7/30/14 11:23
Tetrachloro-m-xylene [1]	83.2	30-150							7/30/14 11:23
Tetrachloro-m-xylene [2]	80.5	30-150							7/30/14 11:23



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

Project Location: Osborn School

Sample Description: rm 123 int. poly wall

Work Order: 14G1233

Date Received: 7/28/2014

Sampled: 7/27/2014 00:00

Field Sample #: W072704

Sample ID: 14G1233-04

Sample Matrix: Wipe

Polychlorinated 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	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:36	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:36	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:36	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:36	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:36	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:36	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:36	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:36	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:36	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	82.7	30-150							7/30/14 11:36
Decachlorobiphenyl [2]	78.3	30-150							7/30/14 11:36
Tetrachloro-m-xylene [1]	85.1	30-150							7/30/14 11:36
Tetrachloro-m-xylene [2]	84.3	30-150							7/30/14 11:36



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

Project Location: Osborn School

Sample Description: rm 122 ext. poly

Work Order: 14G1233

Date Received: 7/28/2014

Sampled: 7/27/2014 00:00

Field Sample #: W072705

Sample ID: 14G1233-05

Sample Matrix: Wipe

Polychlorinated 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	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:49	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:49	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:49	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:49	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:49	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:49	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:49	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:49	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:49	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	83.5	30-150					7/30/14 11:49		
Decachlorobiphenyl [2]	78.2	30-150					7/30/14 11:49		
Tetrachloro-m-xylene [1]	87.0	30-150					7/30/14 11:49		
Tetrachloro-m-xylene [2]	84.9	30-150					7/30/14 11:49		



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

Project Location: Osborn School

Sample Description: rm 122 int. poly wall

Work Order: 14G1233

Date Received: 7/28/2014

Sampled: 7/27/2014 00:00

Field Sample #: W072706

Sample ID: 14G1233-06

Sample Matrix: Wipe

Polychlorinated 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	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 12:02	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 12:02	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 12:02	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 12:02	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 12:02	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 12:02	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 12:02	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 12:02	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 12:02	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	81.8	30-150							7/30/14 12:02
Decachlorobiphenyl [2]	77.3	30-150							7/30/14 12:02
Tetrachloro-m-xylene [1]	88.1	30-150							7/30/14 12:02
Tetrachloro-m-xylene [2]	85.6	30-150							7/30/14 12:02



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

Project Location: Osborn School

Sample Description: rm 119 ext. poly wall

Work Order: 14G1233

Date Received: 7/28/2014

Sampled: 7/27/2014 00:00

Field Sample #: W072707

Sample ID: 14G1233-07

Sample Matrix: Wipe

Polychlorinated 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	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 10:32	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 10:32	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 10:32	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 10:32	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 10:32	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 10:32	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 10:32	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 10:32	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 10:32	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	101	30-150							7/30/14 10:32
Decachlorobiphenyl [2]	91.6	30-150							7/30/14 10:32
Tetrachloro-m-xylene [1]	89.4	30-150							7/30/14 10:32
Tetrachloro-m-xylene [2]	73.6	30-150							7/30/14 10:32



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

Project Location: Osborn School

Sample Description: rm 119 int. poly floor

Work Order: 14G1233

Date Received: 7/28/2014

Sampled: 7/27/2014 00:00

Field Sample #: W072708

Sample ID: 14G1233-08

Sample Matrix: Wipe

Polychlorinated 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	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 10:44	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 10:44	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 10:44	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 10:44	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 10:44	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 10:44	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 10:44	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 10:44	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 10:44	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	99.7	30-150							7/30/14 10:44
Decachlorobiphenyl [2]	90.9	30-150							7/30/14 10:44
Tetrachloro-m-xylene [1]	84.6	30-150							7/30/14 10:44
Tetrachloro-m-xylene [2]	69.7	30-150							7/30/14 10:44



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

Project Location: Osborn School

Sample Description: rm 120 ext. poly wall

Work Order: 14G1233

Date Received: 7/28/2014

Sampled: 7/27/2014 00:00

Field Sample #: W072709

Sample ID: 14G1233-09

Sample Matrix: Wipe

Polychlorinated 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	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 10:56	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 10:56	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 10:56	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 10:56	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 10:56	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 10:56	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 10:56	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 10:56	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 10:56	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	103	30-150							7/30/14 10:56
Decachlorobiphenyl [2]	97.2	30-150							7/30/14 10:56
Tetrachloro-m-xylene [1]	87.5	30-150							7/30/14 10:56
Tetrachloro-m-xylene [2]	72.7	30-150							7/30/14 10:56



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

Project Location: Osborn School

Sample Description: rm 120 int. poly wall

Work Order: 14G1233

Date Received: 7/28/2014

Sampled: 7/27/2014 00:00

Field Sample #: W072710

Sample ID: 14G1233-10

Sample Matrix: Wipe

Polychlorinated 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	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:09	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:09	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:09	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:09	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:09	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:09	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:09	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:09	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:09	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	97.0	30-150							7/30/14 11:09
Decachlorobiphenyl [2]	88.4	30-150							7/30/14 11:09
Tetrachloro-m-xylene [1]	81.6	30-150							7/30/14 11:09
Tetrachloro-m-xylene [2]	67.6	30-150							7/30/14 11:09



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

Project Location: Osborn School

Sample Description: rm 121 ext. poly wall

Work Order: 14G1233

Date Received: 7/28/2014

Sampled: 7/27/2014 00:00

Field Sample #: W072711

Sample ID: 14G1233-11

Sample Matrix: Wipe

Polychlorinated 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	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:21	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:21	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:21	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:21	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:21	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:21	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:21	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:21	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:21	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	101	30-150							7/30/14 11:21
Decachlorobiphenyl [2]	92.2	30-150							7/30/14 11:21
Tetrachloro-m-xylene [1]	84.7	30-150							7/30/14 11:21
Tetrachloro-m-xylene [2]	70.6	30-150							7/30/14 11:21



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

Project Location: Osborn School

Sample Description: rm 121 int. poly wall

Work Order: 14G1233

Date Received: 7/28/2014

Sampled: 7/27/2014 00:00

Field Sample #: W072712**Sample ID:** 14G1233-12

Sample Matrix: Wipe

Polychlorinated 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	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:33	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:33	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:33	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:33	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:33	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:33	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:33	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:33	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:33	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	96.9	30-150							7/30/14 11:33
Decachlorobiphenyl [2]	88.1	30-150							7/30/14 11:33
Tetrachloro-m-xylene [1]	85.9	30-150							7/30/14 11:33
Tetrachloro-m-xylene [2]	72.1	30-150							7/30/14 11:33



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

Project Location: Osborn School

Sample Description: blank

Work Order: 14G1233

Date Received: 7/28/2014

Sampled: 7/27/2014 00:00

Field Sample #: W072713

Sample ID: 14G1233-13

Sample Matrix: Wipe

Polychlorinated 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	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:46	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:46	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:46	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:46	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:46	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:46	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:46	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:46	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:46	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	105	30-150							7/30/14 11:46
Decachlorobiphenyl [2]	95.3	30-150							7/30/14 11:46
Tetrachloro-m-xylene [1]	88.7	30-150							7/30/14 11:46
Tetrachloro-m-xylene [2]	74.3	30-150							7/30/14 11:46



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

Project Location: Osborn School

Sample Description: blank

Work Order: 14G1233

Date Received: 7/28/2014

Field Sample #: W072714

Sampled: 7/27/2014 00:00

Sample ID: 14G1233-14

Sample Matrix: Wipe

Polychlorinated 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	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:58	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:58	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:58	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:58	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:58	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:58	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:58	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:58	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/28/14	7/30/14 11:58	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	99.3	30-150							7/30/14 11:58
Decachlorobiphenyl [2]	90.2	30-150							7/30/14 11:58
Tetrachloro-m-xylene [1]	88.3	30-150							7/30/14 11:58
Tetrachloro-m-xylene [2]	73.6	30-150							7/30/14 11:58



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

Project Location: Osborn School

Sample Description: rm 124 brick mortar

Work Order: 14G1233

Date Received: 7/28/2014

Sampled: 7/27/2014 00:00

Field Sample #: C072701

Sample ID: 14G1233-15

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	7/28/14	7/29/14 17:00	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:00	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:00	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:00	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:00	JMB
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:00	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:00	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:00	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:00	JMB
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	91.5	30-150							7/29/14 17:00
Decachlorobiphenyl [2]	85.3	30-150							7/29/14 17:00
Tetrachloro-m-xylene [1]	77.0	30-150							7/29/14 17:00
Tetrachloro-m-xylene [2]	86.2	30-150							7/29/14 17:00



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Project Location: Osborn School

Sample Description: rm 124 CMU

Work Order: 14G1233

Date Received: 7/28/2014

Sampled: 7/27/2014 00:00

Field Sample #: C072702

Sample ID: 14G1233-16

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:12	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:12	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:12	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:12	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:12	JMB
Aroclor-1254 [2]	0.20	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:12	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:12	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:12	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:12	JMB
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	94.2		30-150					7/29/14 17:12	
Decachlorobiphenyl [2]	88.6		30-150					7/29/14 17:12	
Tetrachloro-m-xylene [1]	78.1		30-150					7/29/14 17:12	
Tetrachloro-m-xylene [2]	83.2		30-150					7/29/14 17:12	



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Project Location: Osborn School

Sample Description: rm 123 brick

Work Order: 14G1233

Date Received: 7/28/2014

Sampled: 7/27/2014 00:00

Field Sample #: C072703

Sample ID: 14G1233-17

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	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:24	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:24	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:24	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:24	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:24	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:24	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:24	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:24	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:24	JMB
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	92.6	30-150							7/29/14 17:24
Decachlorobiphenyl [2]	89.5	30-150							7/29/14 17:24
Tetrachloro-m-xylene [1]	82.0	30-150							7/29/14 17:24
Tetrachloro-m-xylene [2]	86.0	30-150							7/29/14 17:24



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Project Location: Osborn School

Sample Description: rm 123 CMU

Work Order: 14G1233

Date Received: 7/28/2014

Sampled: 7/27/2014 00:00

Field Sample #: C072704

Sample ID: 14G1233-18

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	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:37	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:37	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:37	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:37	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:37	JMB
Aroclor-1254 [2]	0.13	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:37	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:37	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:37	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:37	JMB
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	95.9	30-150							7/29/14 17:37
Decachlorobiphenyl [2]	92.1	30-150							7/29/14 17:37
Tetrachloro-m-xylene [1]	84.8	30-150							7/29/14 17:37
Tetrachloro-m-xylene [2]	86.8	30-150							7/29/14 17:37



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

Project Location: Osborn School

Sample Description: rm 122 brick

Work Order: 14G1233

Date Received: 7/28/2014

Sampled: 7/27/2014 00:00

Field Sample #: C072705

Sample ID: 14G1233-19

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	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:49	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:49	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:49	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:49	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:49	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:49	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:49	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:49	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 17:49	JMB
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	91.4	30-150							7/29/14 17:49
Decachlorobiphenyl [2]	87.9	30-150							7/29/14 17:49
Tetrachloro-m-xylene [1]	84.5	30-150							7/29/14 17:49
Tetrachloro-m-xylene [2]	87.9	30-150							7/29/14 17:49



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Project Location: Osborn School

Sample Description: rm 122 CMU-M

Work Order: 14G1233

Date Received: 7/28/2014

Sampled: 7/27/2014 00:00

Field Sample #: C072706

Sample ID: 14G1233-20

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	7/28/14	7/29/14 18:02	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 18:02	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 18:02	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 18:02	JMB
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 18:02	JMB
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 18:02	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 18:02	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 18:02	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/28/14	7/29/14 18:02	JMB
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	84.5	30-150							7/29/14 18:02
Decachlorobiphenyl [2]	78.6	30-150							7/29/14 18:02
Tetrachloro-m-xylene [1]	72.6	30-150							7/29/14 18:02
Tetrachloro-m-xylene [2]	78.1	30-150							7/29/14 18:02



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
14G1233-15 [C072701]	B101199	2.06	10.0	07/28/14
14G1233-16 [C072702]	B101199	2.00	10.0	07/28/14
14G1233-17 [C072703]	B101199	2.01	10.0	07/28/14
14G1233-18 [C072704]	B101199	2.00	10.0	07/28/14
14G1233-19 [C072705]	B101199	2.01	10.0	07/28/14
14G1233-20 [C072706]	B101199	2.02	10.0	07/28/14

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

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
14G1233-01 [W072701]	B101215	1.00	10.0	07/28/14
14G1233-02 [W072702]	B101215	1.00	10.0	07/28/14
14G1233-03 [W072703]	B101215	1.00	10.0	07/28/14
14G1233-04 [W072704]	B101215	1.00	10.0	07/28/14
14G1233-05 [W072705]	B101215	1.00	10.0	07/28/14
14G1233-06 [W072706]	B101215	1.00	10.0	07/28/14
14G1233-07 [W072707]	B101215	1.00	10.0	07/28/14
14G1233-08 [W072708]	B101215	1.00	10.0	07/28/14
14G1233-09 [W072709]	B101215	1.00	10.0	07/28/14
14G1233-10 [W072710]	B101215	1.00	10.0	07/28/14
14G1233-11 [W072711]	B101215	1.00	10.0	07/28/14
14G1233-12 [W072712]	B101215	1.00	10.0	07/28/14
14G1233-13 [W072713]	B101215	1.00	10.0	07/28/14
14G1233-14 [W072714]	B101215	1.00	10.0	07/28/14

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	RPD Limit	Notes
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Batch B101199 - SW-846 3540C**Blank (B101199-BLK1)**

Prepared: 07/28/14 Analyzed: 07/29/14

Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	0.961		mg/Kg	1.00		96.1		30-150		
Surrogate: Decachlorobiphenyl [2C]	0.928		mg/Kg	1.00		92.8		30-150		
Surrogate: Tetrachloro-m-xylene	0.800		mg/Kg	1.00		80.0		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.844		mg/Kg	1.00		84.4		30-150		

LCS (B101199-BS1)

Prepared: 07/28/14 Analyzed: 07/29/14

Aroclor-1016	0.22	0.10	mg/Kg	0.250		87.5		40-140		
Aroclor-1016 [2C]	0.23	0.10	mg/Kg	0.250		90.1		40-140		
Aroclor-1260	0.23	0.10	mg/Kg	0.250		93.1		40-140		
Aroclor-1260 [2C]	0.23	0.10	mg/Kg	0.250		93.2		40-140		
Surrogate: Decachlorobiphenyl	0.956		mg/Kg	1.00		95.6		30-150		
Surrogate: Decachlorobiphenyl [2C]	0.886		mg/Kg	1.00		88.6		30-150		
Surrogate: Tetrachloro-m-xylene	0.817		mg/Kg	1.00		81.7		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.857		mg/Kg	1.00		85.7		30-150		

LCS Dup (B101199-BSD1)

Prepared: 07/28/14 Analyzed: 07/29/14

Aroclor-1016	0.22	0.10	mg/Kg	0.250		88.8		40-140	1.51	30
Aroclor-1016 [2C]	0.23	0.10	mg/Kg	0.250		90.9		40-140	0.870	30
Aroclor-1260	0.23	0.10	mg/Kg	0.250		90.9		40-140	2.43	30
Aroclor-1260 [2C]	0.23	0.10	mg/Kg	0.250		93.7		40-140	0.507	30
Surrogate: Decachlorobiphenyl	0.917		mg/Kg	1.00		91.7		30-150		
Surrogate: Decachlorobiphenyl [2C]	0.853		mg/Kg	1.00		85.3		30-150		
Surrogate: Tetrachloro-m-xylene	0.835		mg/Kg	1.00		83.5		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.857		mg/Kg	1.00		85.7		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	RPD Limit	Notes
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Batch B101215 - SW-846 3540C

Blank (B101215-BLK1)										Prepared: 07/28/14 Analyzed: 07/30/14
Aroclor-1016	ND	0.20	µg/Wipe							
Aroclor-1016 [2C]	ND	0.20	µg/Wipe							
Aroclor-1221	ND	0.20	µg/Wipe							
Aroclor-1221 [2C]	ND	0.20	µg/Wipe							
Aroclor-1232	ND	0.20	µg/Wipe							
Aroclor-1232 [2C]	ND	0.20	µg/Wipe							
Aroclor-1242	ND	0.20	µg/Wipe							
Aroclor-1242 [2C]	ND	0.20	µg/Wipe							
Aroclor-1248	ND	0.20	µg/Wipe							
Aroclor-1248 [2C]	ND	0.20	µg/Wipe							
Aroclor-1254	ND	0.20	µg/Wipe							
Aroclor-1254 [2C]	ND	0.20	µg/Wipe							
Aroclor-1260	ND	0.20	µg/Wipe							
Aroclor-1260 [2C]	ND	0.20	µg/Wipe							
Aroclor-1262	ND	0.20	µg/Wipe							
Aroclor-1262 [2C]	ND	0.20	µg/Wipe							
Aroclor-1268	ND	0.20	µg/Wipe							
Aroclor-1268 [2C]	ND	0.20	µg/Wipe							
Surrogate: Decachlorobiphenyl	1.69		µg/Wipe	2.00		84.6		30-150		
Surrogate: Decachlorobiphenyl [2C]	1.57		µg/Wipe	2.00		78.5		30-150		
Surrogate: Tetrachloro-m-xylene	1.75		µg/Wipe	2.00		87.6		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	1.70		µg/Wipe	2.00		85.1		30-150		

LCS (B101215-BS1)										Prepared: 07/28/14 Analyzed: 07/30/14
Aroclor-1016	0.53	0.20	µg/Wipe	0.500		106		40-140		
Aroclor-1016 [2C]	0.51	0.20	µg/Wipe	0.500		101		40-140		
Aroclor-1260	0.56	0.20	µg/Wipe	0.500		112		40-140		
Aroclor-1260 [2C]	0.51	0.20	µg/Wipe	0.500		101		40-140		
Surrogate: Decachlorobiphenyl	1.79		µg/Wipe	2.00		89.4		30-150		
Surrogate: Decachlorobiphenyl [2C]	1.69		µg/Wipe	2.00		84.7		30-150		
Surrogate: Tetrachloro-m-xylene	1.83		µg/Wipe	2.00		91.5		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	1.79		µg/Wipe	2.00		89.4		30-150		

LCS Dup (B101215-BSD1)										Prepared: 07/28/14 Analyzed: 07/30/14
Aroclor-1016	0.48	0.20	µg/Wipe	0.500		95.9		40-140	9.57	30
Aroclor-1016 [2C]	0.47	0.20	µg/Wipe	0.500		93.9		40-140	7.77	30
Aroclor-1260	0.49	0.20	µg/Wipe	0.500		98.5		40-140	12.5	30
Aroclor-1260 [2C]	0.47	0.20	µg/Wipe	0.500		93.9		40-140	7.63	30
Surrogate: Decachlorobiphenyl	1.73		µg/Wipe	2.00		86.4		30-150		
Surrogate: Decachlorobiphenyl [2C]	1.62		µg/Wipe	2.00		81.0		30-150		
Surrogate: Tetrachloro-m-xylene	1.78		µg/Wipe	2.00		88.8		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	1.76		µg/Wipe	2.00		88.2		30-150		



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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

C072702

Lab Sample ID: 14G1233-16 Date(s) Analyzed: 07/29/2014 07/29/2014

Date(s) Analyzed: 07/29/2014 07/29/2014

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	0.00	0.00	0.17	
	2	0.00	0.00	0.00	0.20	15.6



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

C072704

SW-846 8082A

Lab Sample ID: 14G1233-18 Date(s) Analyzed: 07/29/2014 07/29/2014

Date(s) Analyzed: 07/29/2014 07/29/2014

Instrument ID (1): **1** Instrument ID (2): **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	0.00	0.00	0.12	
	2	0.00	0.00	0.00	0.13	5.5



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS

SW-846 8082A

Lab Sample ID: B101199-BS1 Date(s) Analyzed: 07/29/2014 07/29/2014

Date(s) Analyzed: 07/29/2014 07/29/2014

Instrument ID (1): **1234567890** Instrument ID (2): **9876543210**

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	0.22	
	2	0.00	0.00	0.00	0.23	5
Aroclor-1260	1	0.00	0.00	0.00	0.23	
	2	0.00	0.00	0.00	0.23	1



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS Dup

SW-846 8082A

Lab Sample ID: B101199-BSD1 Date(s) Analyzed: 07/29/2014 07/29/2014

Date(s) Analyzed: 07/29/2014 07/29/2014

Instrument ID (1): **1234567890** Instrument ID (2): **9876543210**

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	0.22	
	2	0.00	0.00	0.00	0.23	4
Aroclor-1260	1	0.00	0.00	0.00	0.23	
	2	0.00	0.00	0.00	0.23	1



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS

SW-846 8082A

Lab Sample ID: B101215-BS1 Date(s) Analyzed: 07/30/2014 07/30/2014

Date(s) Analyzed: 07/30/2014 07/30/2014

Instrument ID (1): **1234567890** Instrument ID (2): **9876543210**

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	0.53	
	2	0.00	0.00	0.00	0.51	3
Aroclor-1260	1	0.00	0.00	0.00	0.56	
	2	0.00	0.00	0.00	0.51	9



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS Dup

SW-846 8082A

Lab Sample ID: B101215-BSD1 Date(s) Analyzed: 07/30/2014 07/30/2014

Date(s) Analyzed: 07/30/2014 07/30/2014

Instrument ID (1): **1234567890** Instrument ID (2): **9876543210**

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	0.48	
	2	0.00	0.00	0.00	0.47	2
Aroclor-1260	1	0.00	0.00	0.00	0.49	
	2	0.00	0.00	0.00	0.47	5



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FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
- † Wide recovery limits established for difficult compound.
- ‡ Wide RPD limits established for difficult compound.
- # Data exceeded client recommended or regulatory level

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.



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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	06/30/2015
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2015
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2015
RI	Rhode Island Department of Health	LAO00112	12/30/2014
NC	North Carolina Div. of Water Quality	652	12/31/2014
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2015
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2014
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2014



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CHAIN OF CUSTODY RECORD

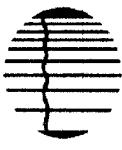
39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 4

Company Name: AMC Environmental		Telephone: 203-378-5020		ANALYSIS REQUESTED		# of Containers	
Address: P.O. Box 423 Stratford, CT 06615		Project # _____				** Preservation	
Attention: Jason Pringle		Client PO# _____				*** Container Code	
Project Location: <u>Oxbow School</u>		DATA DELIVERY (check all that apply)				Dissolved Metals	
Sampled By: <u>J. Pringle / B. Granson</u>		O FAX O EMAIL O WEBSITE				O Field Filtered	
Project Proposal Provided? (for billing purposes) O yes _____ proposal date		Format: O PDF O EXCEL O GIS O OTHER _____				O Lab to Filter	
Con-Test Lab ID (laboratory use only)		Collection		Soxhlet 8082A			
01	W072701/ ^{Rm 124} Ext. Poly Wall	Beginning Date/Time	Ending Date/Time	Composite Grab	* Matrix Code	Conc Data	
02	W072702/ ^{Rm 24} Poly wall	7/27/14		✓	✓		
03	W072703/ ^{Rm 123} Ext Poly Wall	7/27/14		✓	✓		
04	W072704/ ^{Rm 122} Int Poly Wall	7/27/14		✓	✓		
05	W072705/ ^{Rm 122} Ext Poly	7/27/14		✓	✓		
06	W072706/ ^{Rm 122} Int Poly Wall	7/27/14		✓	✓		
07	W072707/ ^{Rm 120} Poly Wall	7/27/14		✓	✓		
08	W072708/ ^{Rm 120} Int Poly Wall	7/27/14		✓	✓		
09	W072709/ ^{Rm 120} Ext Poly Wall	7/27/14		✓	✓		
10	W072710/ ^{Rm 120} Int Poly Wall	7/27/14		✓	✓		
Comments:							
<p>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</p>							
Relinquished by: <u>John R. Racine</u>		Date/Time: <u>7/27/14</u>	Turnaround [†] : <input type="checkbox"/> 7-Day	Detection Limit Requirements	Is your project MCP or RCP?		
Received by: <u>John R. Racine</u>		Date/Time: <u>7/28/14</u>	<input type="checkbox"/> 10-Day <input checked="" type="checkbox"/> Other <u>RUSH[†]</u>	Massachusetts: Connecticut: <1PPM	<input type="radio"/> MCP Form Required <input type="radio"/> RCP Form Required <input type="radio"/> MA State DW Form Required PWSID# _____		
Relinquished by: <u>John R. Racine</u>		Date/Time: <u>7/28/14</u>	<input type="checkbox"/> 124-Hr <input checked="" type="checkbox"/> 148-Hr <input type="checkbox"/> 72-Hr <input type="checkbox"/> 4-Day	Other:	A = air S = soil/solid SL = sludge O = other		
<p>ACREDITED IN ACCORDANCE WITH NELAC AND AIHA STANDARDS</p> <p>NELAC & AIHA Certified WBE/DBE Certified</p>							

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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Email: info@contestlabs.com
www.contestlabs.com

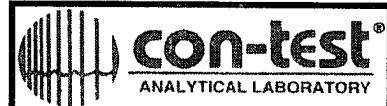
CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

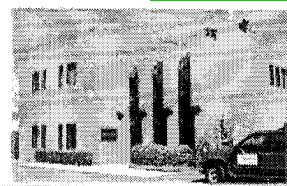
Page 2 of 4

Company Name: AMC Environmental	Address: P.O. Box 423 Stratford, CT 06615	Telephone: 203-378-5020	Project #: _____	ANALYSIS REQUESTED					
Attention: Jason Pringle	Sampled By: J. Pringle / B. Graham	Client PO# _____	DATA DELIVERY (check all that apply)	Dissolved Metals					
Project Location: Osborn School		Fax # _____	<input type="checkbox"/> FAX <input type="checkbox"/> EMAIL <input type="checkbox"/> WEBSITE	<input type="checkbox"/> Field Filtered					
Comments: Project Proposal Provided? (for billing purposes) <input type="radio"/> yes _____		Email: results@amcenviron.com	<input type="checkbox"/> PDF <input type="checkbox"/> EXCEL <input type="checkbox"/> GIS <input type="checkbox"/> OTHER	<input type="checkbox"/> Lab to Filter					
Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	* Matrix Code	Core Date	Soxhlet	8082A
11	1072711/Exterior Wall	7/27/14				✓			
12	W022712/For Poly Wall					✓			
13	W072713/Blank					✓			
14	W072714/Blank					✓			
15	C072701/Rm 123					✓			
16	C072702/Rm 124					✓			
17	C072703/Rm 123					✓			
18	C072704/Rm 123					✓			
19	C072705/Rm 122					✓			
20	C072706/Rm 122					✓			
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									
Relinquished by (signature) <i>John R. Roent</i>	Date/Time: 7/28/14	Turnaround [†] : 7-Day	Detection Limit Requirements		Is your project MCP or RCP?				
Received by (signature) <i>John R. Roent</i>	Date/Time: 7/28/14	<input type="checkbox"/> 10-Day <input checked="" type="checkbox"/> Other _____	Massachusetts: <input type="checkbox"/> MCP Form Required <input type="checkbox"/> RCP Form Required <input type="checkbox"/> MA State DW Form Required PWSID# _____		*Matrix Code: GW = groundwater WW = wastewater DW = drinking water A = air S = soil/solid SL = sludge <input type="checkbox"/> other _____				
Relinquished by (signature) <i>John R. Roent</i>	Date/Time: 7/28/14	<input checked="" type="checkbox"/> RUSH [†] 12-Hr 148-Hr	Connecticut: <1PPM						
Received by (signature) <i>John R. Roent</i>	Date/Time: 7/28/14	<input type="checkbox"/> 172-Hr <input type="checkbox"/> 4-Day							
* 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									

39 Spruce St.
East Longmeadow, MA. 01028
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F: 413-525-6405
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Page 1 of 2



Sample Receipt Checklist

CLIENT NAME: AMC EnvironmentalRECEIVED BY: CCDATE: 7.28.141) Was the chain(s) of custody relinquished and signed? Yes No No CoC Included2) 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/ATemperature °C by Temp blank _____ Temperature °C by Temp gun 5°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: 19

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/A9) Do all samples have the proper Base pH: Yes No N/A10) 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	<u>14wipes, 16C</u>
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 _____	Time and Date Frozen:
Doc# 277 # Bisulfate _____	# DI Water _____	
Rev. 4 August 2013 # Thiosulfate _____	Unpreserved	

Page 2 of 2

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>
	T/F/NA	
1) The cooler's custody seal, if present, is intact.	M	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
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.	T	
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?

Doc #277 Rev. 4 August 2013

Log-In Technician Initials: CC

Date/Time:

Date/Time: 7-28-14 1615



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

August 1, 2014

Sandy Owen
AMC Environmental, LLC
PO Box 423
Stratford, CT 06615

Project Location: Osborn School
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 14G1375

Enclosed are results of analyses for samples received by the laboratory on July 30, 2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Lisa A. Worthington". The signature is fluid and cursive, with "Lisa" on top and "A. Worthington" stacked below it.

Lisa A. Worthington
Project Manager

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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: Sandy Owen

REPORT DATE: 8/1/2014

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 14G1375

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
W0730-01	14G1375-01	Wipe	rm 116 ext. poly	SW-846 8082A	
W0730-02	14G1375-02	Wipe	rm 116 int. poly	SW-846 8082A	
W0730-03	14G1375-03	Wipe	rm 117 ext. poly	SW-846 8082A	
W0730-04	14G1375-04	Wipe	rm 117 int. poly	SW-846 8082A	
W0730-05	14G1375-05	Wipe	rm 118 ext. poly	SW-846 8082A	
W0730-06	14G1375-06	Wipe	rm 118 int. poly	SW-846 8082A	
C0730-01	14G1375-07	Product/Solid	rm 116 brick	SW-846 8082A	
C0730-02	14G1375-08	Product/Solid	rm 116 CMU	SW-846 8082A	
C0730-03	14G1375-09	Product/Solid	rm 117 brick mortar	SW-846 8082A	
C0730-04	14G1375-10	Product/Solid	rm 117 CMU-M	SW-846 8082A	
C0730-05	14G1375-11	Product/Solid	rm 118 brick	SW-846 8082A	
C0730-06	14G1375-12	Product/Solid	rm 118 CMU	SW-846 8082A	
C0730-07	14G1375-13	Product/Solid	hallway CMU	SW-846 8082A	
C0730-08	14G1375-14	Product/Solid	hallway CMU w/paint	SW-846 8082A	
C0730-09	14G1375-15	Product/Solid	hallway skin coat	SW-846 8082A	
C0730-10	14G1375-16	Product/Solid	hallway slab	SW-846 8082A	



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CASE NARRATIVE SUMMARY

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

SW-846 8082A

Qualifications:

O-04

Sample fingerprint does not match standard exactly. Sample was quantitated against the closest matching standard.

Analyte & Samples(s) Qualified:

Aroclor-1254

14G1375-08[C0730-02]

Aroclor-1254 [2C]

14G1375-08[C0730-02]

O-27

Elevated reporting limit due to sample matrix interference. Multiple extract clean-up procedures were performed on this sample, but they did not sufficiently remove the interference to meet the requested reporting limit.

Analyte & Samples(s) Qualified:

14G1375-15[C0730-09]

S-02

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl

14G1375-15[C0730-09]

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 "Michael A. Erickson".

Michael A. Erickson
Laboratory Director



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

Project Location: Osborn School

Sample Description: rm 116 ext. poly

Work Order: 14G1375

Date Received: 7/30/2014

Field Sample #: W0730-01

Sampled: 7/30/2014 00:00

Sample ID: 14G1375-01

Sample Matrix: Wipe

Polychlorinated 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	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 11:41	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 11:41	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 11:41	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 11:41	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 11:41	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 11:41	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 11:41	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 11:41	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 11:41	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	98.1	30-150							8/1/14 11:41
Decachlorobiphenyl [2]	91.0	30-150							8/1/14 11:41
Tetrachloro-m-xylene [1]	81.7	30-150							8/1/14 11:41
Tetrachloro-m-xylene [2]	82.1	30-150							8/1/14 11:41



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

Project Location: Osborn School

Sample Description: rm 116 int. poly

Work Order: 14G1375

Date Received: 7/30/2014

Field Sample #: W0730-02

Sampled: 7/30/2014 00:00

Sample ID: 14G1375-02

Sample Matrix: Wipe

Polychlorinated 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	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 11:54	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 11:54	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 11:54	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 11:54	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 11:54	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 11:54	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 11:54	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 11:54	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 11:54	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	93.7	30-150							8/1/14 11:54
Decachlorobiphenyl [2]	87.6	30-150							8/1/14 11:54
Tetrachloro-m-xylene [1]	75.0	30-150							8/1/14 11:54
Tetrachloro-m-xylene [2]	74.8	30-150							8/1/14 11:54



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

Project Location: Osborn School

Sample Description: rm 117 ext. poly

Work Order: 14G1375

Date Received: 7/30/2014

Field Sample #: W0730-03

Sampled: 7/30/2014 00:00

Sample ID: 14G1375-03

Sample Matrix: Wipe

Polychlorinated 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	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 12:07	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 12:07	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 12:07	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 12:07	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 12:07	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 12:07	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 12:07	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 12:07	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 12:07	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	99.9	30-150							8/1/14 12:07
Decachlorobiphenyl [2]	93.7	30-150							8/1/14 12:07
Tetrachloro-m-xylene [1]	86.3	30-150							8/1/14 12:07
Tetrachloro-m-xylene [2]	86.8	30-150							8/1/14 12:07



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

Project Location: Osborn School

Sample Description: rm 117 int. poly

Work Order: 14G1375

Date Received: 7/30/2014

Field Sample #: W0730-04

Sampled: 7/30/2014 00:00

Sample ID: 14G1375-04Sample Matrix: Wipe**Polychlorinated 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	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 12:19	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 12:19	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 12:19	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 12:19	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 12:19	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 12:19	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 12:19	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 12:19	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 12:19	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	106	30-150							8/1/14 12:19
Decachlorobiphenyl [2]	99.6	30-150							8/1/14 12:19
Tetrachloro-m-xylene [1]	91.3	30-150							8/1/14 12:19
Tetrachloro-m-xylene [2]	92.4	30-150							8/1/14 12:19



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

Project Location: Osborn School

Sample Description: rm 118 ext. poly

Work Order: 14G1375

Date Received: 7/30/2014

Field Sample #: W0730-05

Sampled: 7/30/2014 00:00

Sample ID: 14G1375-05

Sample Matrix: Wipe

Polychlorinated 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	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 12:32	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 12:32	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 12:32	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 12:32	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 12:32	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 12:32	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 12:32	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 12:32	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 12:32	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	99.6	30-150							8/1/14 12:32
Decachlorobiphenyl [2]	93.2	30-150							8/1/14 12:32
Tetrachloro-m-xylene [1]	88.8	30-150							8/1/14 12:32
Tetrachloro-m-xylene [2]	89.5	30-150							8/1/14 12:32



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Project Location: Osborn School

Sample Description: rm 118 int. poly

Work Order: 14G1375

Date Received: 7/30/2014

Field Sample #: W0730-06

Sampled: 7/30/2014 00:00

Sample ID: 14G1375-06

Sample Matrix: Wipe

Polychlorinated 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	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 12:45	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 12:45	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 12:45	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 12:45	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 12:45	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 12:45	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 12:45	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 12:45	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/30/14	8/1/14 12:45	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	103	30-150							8/1/14 12:45
Decachlorobiphenyl [2]	96.2	30-150							8/1/14 12:45
Tetrachloro-m-xylene [1]	89.5	30-150							8/1/14 12:45
Tetrachloro-m-xylene [2]	90.1	30-150							8/1/14 12:45



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

Project Location: Osborn School

Sample Description: rm 116 brick

Work Order: 14G1375

Date Received: 7/30/2014

Field Sample #: C0730-01

Sampled: 7/30/2014 00:00

Sample ID: 14G1375-07

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	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 19:48	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 19:48	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 19:48	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 19:48	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 19:48	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 19:48	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 19:48	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 19:48	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 19:48	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	74.1	30-150							7/31/14 19:48
Decachlorobiphenyl [2]	70.9	30-150							7/31/14 19:48
Tetrachloro-m-xylene [1]	86.2	30-150							7/31/14 19:48
Tetrachloro-m-xylene [2]	84.6	30-150							7/31/14 19:48



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

Project Location: Osborn School

Sample Description: rm 116 CMU

Work Order: 14G1375

Date Received: 7/30/2014

Field Sample #: C0730-02

Sampled: 7/30/2014 00:00

Sample ID: 14G1375-08

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	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:01	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:01	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:01	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:01	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:01	KAL
Aroclor-1254 [2]	0.11	0.10	mg/Kg	1	O-04	SW-846 8082A	7/30/14	7/31/14 20:01	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:01	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:01	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:01	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	81.8	30-150						7/31/14 20:01	
Decachlorobiphenyl [2]	78.7	30-150						7/31/14 20:01	
Tetrachloro-m-xylene [1]	87.2	30-150						7/31/14 20:01	
Tetrachloro-m-xylene [2]	85.6	30-150						7/31/14 20:01	



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

Project Location: Osborn School

Sample Description: rm 117 brick mortar

Work Order: 14G1375

Date Received: 7/30/2014

Field Sample #: C0730-03

Sampled: 7/30/2014 00:00

Sample ID: 14G1375-09

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:14	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:14	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:14	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:14	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:14	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:14	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:14	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:14	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:14	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	63.8	30-150							7/31/14 20:14
Decachlorobiphenyl [2]	61.0	30-150							7/31/14 20:14
Tetrachloro-m-xylene [1]	74.6	30-150							7/31/14 20:14
Tetrachloro-m-xylene [2]	73.1	30-150							7/31/14 20:14



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

Project Location: Osborn School

Sample Description: rm 117 CMU-M

Work Order: 14G1375

Date Received: 7/30/2014

Field Sample #: C0730-04

Sampled: 7/30/2014 00:00

Sample ID: 14G1375-10

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:27	KAL
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:27	KAL
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:27	KAL
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:27	KAL
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:27	KAL
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:27	KAL
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:27	KAL
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:27	KAL
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:27	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	69.0	30-150							7/31/14 20:27
Decachlorobiphenyl [2]	66.0	30-150							7/31/14 20:27
Tetrachloro-m-xylene [1]	80.0	30-150							7/31/14 20:27
Tetrachloro-m-xylene [2]	78.5	30-150							7/31/14 20:27



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

Project Location: Osborn School

Sample Description: rm 118 brick

Work Order: 14G1375

Date Received: 7/30/2014

Field Sample #: C0730-05

Sampled: 7/30/2014 00:00

Sample ID: 14G1375-11

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:40	KAL
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:40	KAL
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:40	KAL
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:40	KAL
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:40	KAL
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:40	KAL
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:40	KAL
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:40	KAL
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:40	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	70.9	30-150							7/31/14 20:40
Decachlorobiphenyl [2]	67.8	30-150							7/31/14 20:40
Tetrachloro-m-xylene [1]	75.9	30-150							7/31/14 20:40
Tetrachloro-m-xylene [2]	74.3	30-150							7/31/14 20:40



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

Project Location: Osborn School

Sample Description: rm 118 CMU

Work Order: 14G1375

Date Received: 7/30/2014

Sampled: 7/30/2014 00:00

Field Sample #: C0730-06

Sample ID: 14G1375-12

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:53	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:53	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:53	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:53	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:53	KAL
Aroclor-1254 [2]	0.11	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:53	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:53	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:53	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 20:53	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	82.3	30-150							7/31/14 20:53
Decachlorobiphenyl [2]	79.1	30-150							7/31/14 20:53
Tetrachloro-m-xylene [1]	88.3	30-150							7/31/14 20:53
Tetrachloro-m-xylene [2]	86.3	30-150							7/31/14 20:53



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

Project Location: Osborn School

Sample Description: hallway CMU

Work Order: 14G1375

Date Received: 7/30/2014

Field Sample #: C0730-07

Sampled: 7/30/2014 00:00

Sample ID: 14G1375-13

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.19	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 21:06	KAL
Aroclor-1221 [1]	ND	0.19	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 21:06	KAL
Aroclor-1232 [1]	ND	0.19	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 21:06	KAL
Aroclor-1242 [1]	ND	0.19	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 21:06	KAL
Aroclor-1248 [1]	ND	0.19	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 21:06	KAL
Aroclor-1254 [1]	ND	0.19	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 21:06	KAL
Aroclor-1260 [1]	ND	0.19	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 21:06	KAL
Aroclor-1262 [1]	ND	0.19	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 21:06	KAL
Aroclor-1268 [1]	ND	0.19	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 21:06	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	68.7	30-150							7/31/14 21:06
Decachlorobiphenyl [2]	65.4	30-150							7/31/14 21:06
Tetrachloro-m-xylene [1]	75.8	30-150							7/31/14 21:06
Tetrachloro-m-xylene [2]	74.2	30-150							7/31/14 21:06



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

Project Location: Osborn School

Sample Description: hallway CMU w/paint

Work Order: 14G1375

Date Received: 7/30/2014

Sampled: 7/30/2014 00:00

Field Sample #: C0730-08

Sample ID: 14G1375-14

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	mg/Kg	1		SW-846 8082A	7/30/14	8/1/14 14:08	KAL
Aroclor-1221 [1]	ND	0.20	mg/Kg	1		SW-846 8082A	7/30/14	8/1/14 14:08	KAL
Aroclor-1232 [1]	ND	0.20	mg/Kg	1		SW-846 8082A	7/30/14	8/1/14 14:08	KAL
Aroclor-1242 [1]	ND	0.20	mg/Kg	1		SW-846 8082A	7/30/14	8/1/14 14:08	KAL
Aroclor-1248 [1]	ND	0.20	mg/Kg	1		SW-846 8082A	7/30/14	8/1/14 14:08	KAL
Aroclor-1254 [1]	ND	0.20	mg/Kg	1		SW-846 8082A	7/30/14	8/1/14 14:08	KAL
Aroclor-1260 [1]	ND	0.20	mg/Kg	1		SW-846 8082A	7/30/14	8/1/14 14:08	KAL
Aroclor-1262 [1]	ND	0.20	mg/Kg	1		SW-846 8082A	7/30/14	8/1/14 14:08	KAL
Aroclor-1268 [1]	ND	0.20	mg/Kg	1		SW-846 8082A	7/30/14	8/1/14 14:08	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	84.4	30-150							8/1/14 14:08
Decachlorobiphenyl [2]	76.3	30-150							8/1/14 14:08
Tetrachloro-m-xylene [1]	76.9	30-150							8/1/14 14:08
Tetrachloro-m-xylene [2]	62.8	30-150							8/1/14 14:08



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

Project Location: Osborn School

Sample Description: hallway skin coat

Work Order: 14G1375

Date Received: 7/30/2014

Sampled: 7/30/2014 00:00

Field Sample #: C0730-09

Sample ID: 14G1375-15

Sample Matrix: Product/Solid

Sample Flags: O-27

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	7/30/14	8/1/14 14:45	KAL
Aroclor-1221 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	7/30/14	8/1/14 14:45	KAL
Aroclor-1232 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	7/30/14	8/1/14 14:45	KAL
Aroclor-1242 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	7/30/14	8/1/14 14:45	KAL
Aroclor-1248 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	7/30/14	8/1/14 14:45	KAL
Aroclor-1254 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	7/30/14	8/1/14 14:45	KAL
Aroclor-1260 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	7/30/14	8/1/14 14:45	KAL
Aroclor-1262 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	7/30/14	8/1/14 14:45	KAL
Aroclor-1268 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	7/30/14	8/1/14 14:45	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	239 *	30-150			S-02			8/1/14 14:45	
Decachlorobiphenyl [2]	95.5	30-150						8/1/14 14:45	
Tetrachloro-m-xylene [1]	84.8	30-150						8/1/14 14:45	
Tetrachloro-m-xylene [2]	73.2	30-150						8/1/14 14:45	



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

Project Location: Osborn School

Sample Description: hallway slab

Work Order: 14G1375

Date Received: 7/30/2014

Field Sample #: C0730-10

Sampled: 7/30/2014 00:00

Sample ID: 14G1375-16

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 21:58	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 21:58	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 21:58	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 21:58	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 21:58	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 21:58	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 21:58	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 21:58	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/30/14	7/31/14 21:58	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	84.0	30-150							7/31/14 21:58
Decachlorobiphenyl [2]	90.1	30-150							7/31/14 21:58
Tetrachloro-m-xylene [1]	90.8	30-150							7/31/14 21:58
Tetrachloro-m-xylene [2]	88.0	30-150							7/31/14 21:58



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
14G1375-07 [C0730-01]	B101410	2.01	10.0	07/30/14
14G1375-08 [C0730-02]	B101410	2.00	10.0	07/30/14
14G1375-09 [C0730-03]	B101410	2.00	10.0	07/30/14
14G1375-10 [C0730-04]	B101410	2.03	10.0	07/30/14
14G1375-11 [C0730-05]	B101410	2.04	10.0	07/30/14
14G1375-12 [C0730-06]	B101410	2.00	10.0	07/30/14
14G1375-13 [C0730-07]	B101410	1.03	10.0	07/30/14
14G1375-14 [C0730-08]	B101410	1.00	10.0	07/30/14
14G1375-15 [C0730-09]	B101410	2.04	10.0	07/30/14
14G1375-16 [C0730-10]	B101410	2.00	10.0	07/30/14

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

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
14G1375-01 [W0730-01]	B101432	1.00	10.0	07/30/14
14G1375-02 [W0730-02]	B101432	1.00	10.0	07/30/14
14G1375-03 [W0730-03]	B101432	1.00	10.0	07/30/14
14G1375-04 [W0730-04]	B101432	1.00	10.0	07/30/14
14G1375-05 [W0730-05]	B101432	1.00	10.0	07/30/14
14G1375-06 [W0730-06]	B101432	1.00	10.0	07/30/14



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	RPD Limit	Notes
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Batch B101410 - SW-846 3540C

Blank (B101410-BLK1)										Prepared: 07/30/14 Analyzed: 07/31/14
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	0.623		mg/Kg	1.00		62.3		30-150		
Surrogate: Decachlorobiphenyl [2C]	0.597		mg/Kg	1.00		59.7		30-150		
Surrogate: Tetrachloro-m-xylene	0.730		mg/Kg	1.00		73.0		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.729		mg/Kg	1.00		72.9		30-150		

LCS (B101410-BS1)										Prepared: 07/30/14 Analyzed: 07/31/14
Aroclor-1016	0.20	0.10	mg/Kg	0.250		80.2		40-140		
Aroclor-1016 [2C]	0.18	0.10	mg/Kg	0.250		74.0		40-140		
Aroclor-1260	0.17	0.10	mg/Kg	0.250		67.8		40-140		
Aroclor-1260 [2C]	0.17	0.10	mg/Kg	0.250		68.5		40-140		
Surrogate: Decachlorobiphenyl	0.556		mg/Kg	1.00		55.6		30-150		
Surrogate: Decachlorobiphenyl [2C]	0.536		mg/Kg	1.00		53.6		30-150		
Surrogate: Tetrachloro-m-xylene	0.709		mg/Kg	1.00		70.9		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.696		mg/Kg	1.00		69.6		30-150		

LCS Dup (B101410-BSD1)										Prepared: 07/30/14 Analyzed: 07/31/14
Aroclor-1016	0.25	0.10	mg/Kg	0.250		99.4		40-140	21.4	30
Aroclor-1016 [2C]	0.23	0.10	mg/Kg	0.250		93.0		40-140	22.7	30
Aroclor-1260	0.21	0.10	mg/Kg	0.250		85.3		40-140	22.8	30
Aroclor-1260 [2C]	0.21	0.10	mg/Kg	0.250		84.5		40-140	20.8	30
Surrogate: Decachlorobiphenyl	0.708		mg/Kg	1.00		70.8		30-150		
Surrogate: Decachlorobiphenyl [2C]	0.681		mg/Kg	1.00		68.1		30-150		
Surrogate: Tetrachloro-m-xylene	0.855		mg/Kg	1.00		85.5		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.845		mg/Kg	1.00		84.5		30-150		



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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

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

Batch B101432 - SW-846 3540C

Blank (B101432-BLK1)										Prepared: 07/30/14 Analyzed: 08/01/14
Aroclor-1016	ND	0.20	µg/Wipe							
Aroclor-1016 [2C]	ND	0.20	µg/Wipe							
Aroclor-1221	ND	0.20	µg/Wipe							
Aroclor-1221 [2C]	ND	0.20	µg/Wipe							
Aroclor-1232	ND	0.20	µg/Wipe							
Aroclor-1232 [2C]	ND	0.20	µg/Wipe							
Aroclor-1242	ND	0.20	µg/Wipe							
Aroclor-1242 [2C]	ND	0.20	µg/Wipe							
Aroclor-1248	ND	0.20	µg/Wipe							
Aroclor-1248 [2C]	ND	0.20	µg/Wipe							
Aroclor-1254	ND	0.20	µg/Wipe							
Aroclor-1254 [2C]	ND	0.20	µg/Wipe							
Aroclor-1260	ND	0.20	µg/Wipe							
Aroclor-1260 [2C]	ND	0.20	µg/Wipe							
Aroclor-1262	ND	0.20	µg/Wipe							
Aroclor-1262 [2C]	ND	0.20	µg/Wipe							
Aroclor-1268	ND	0.20	µg/Wipe							
Aroclor-1268 [2C]	ND	0.20	µg/Wipe							
Surrogate: Decachlorobiphenyl	2.05		µg/Wipe	2.00		103		30-150		
Surrogate: Decachlorobiphenyl [2C]	1.95		µg/Wipe	2.00		97.4		30-150		
Surrogate: Tetrachloro-m-xylene	1.80		µg/Wipe	2.00		90.0		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	1.81		µg/Wipe	2.00		90.6		30-150		

LCS (B101432-BS1)										Prepared: 07/30/14 Analyzed: 08/01/14
Aroclor-1016	0.51	0.20	µg/Wipe	0.500		102		40-140		
Aroclor-1016 [2C]	0.49	0.20	µg/Wipe	0.500		98.9		40-140		
Aroclor-1260	0.49	0.20	µg/Wipe	0.500		98.8		40-140		
Aroclor-1260 [2C]	0.45	0.20	µg/Wipe	0.500		89.2		40-140		
Surrogate: Decachlorobiphenyl	1.99		µg/Wipe	2.00		99.3		30-150		
Surrogate: Decachlorobiphenyl [2C]	1.87		µg/Wipe	2.00		93.6		30-150		
Surrogate: Tetrachloro-m-xylene	1.71		µg/Wipe	2.00		85.3		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	1.72		µg/Wipe	2.00		85.9		30-150		

LCS Dup (B101432-BSD1)										Prepared: 07/30/14 Analyzed: 08/01/14
Aroclor-1016	0.57	0.20	µg/Wipe	0.500		114		40-140	11.3	30
Aroclor-1016 [2C]	0.50	0.20	µg/Wipe	0.500		99.5		40-140	0.647	30
Aroclor-1260	0.51	0.20	µg/Wipe	0.500		101		40-140	2.60	30
Aroclor-1260 [2C]	0.47	0.20	µg/Wipe	0.500		94.4		40-140	5.62	30
Surrogate: Decachlorobiphenyl	2.05		µg/Wipe	2.00		103		30-150		
Surrogate: Decachlorobiphenyl [2C]	1.91		µg/Wipe	2.00		95.7		30-150		
Surrogate: Tetrachloro-m-xylene	1.86		µg/Wipe	2.00		92.9		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	1.88		µg/Wipe	2.00		93.9		30-150		



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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

Lab Sample ID: B101410-BS1 Date(s) Analyzed: 07/31/2014 07/31/2014

Date(s) Analyzed: 07/31/2014 07/31/2014

Instrument ID (1): **1234567890** Instrument ID (2): **9876543210**

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	0.20	
	2	0.00	0.00	0.00	0.18	11
Aroclor-1260	1	0.00	0.00	0.00	0.17	
	2	0.00	0.00	0.00	0.17	1



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS Dup

SW-846 8082A

Lab Sample ID: B101410-BSD1 Date(s) Analyzed: 07/31/2014 07/31/2014

Date(s) Analyzed: 07/31/2014 07/31/2014

Instrument ID (1): **1** Instrument ID (2): **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	0.25	
	2	0.00	0.00	0.00	0.23	8
Aroclor-1260	1	0.00	0.00	0.00	0.21	
	2	0.00	0.00	0.00	0.21	1



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS

SW-846 8082A

Lab Sample ID: B101432-BS1 Date(s) Analyzed: 08/01/2014 08/01/2014

Date(s) Analyzed: 08/01/2014 08/01/2014

Instrument ID (1): **1234567890** Instrument ID (2): **9876543210**

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	0.51	
	2	0.00	0.00	0.00	0.49	4
Aroclor-1260	1	0.00	0.00	0.00	0.49	
	2	0.00	0.00	0.00	0.45	9



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS Dup

SW-846 8082A

Lab Sample ID: B101432-BSD1 Date(s) Analyzed: 08/01/2014 08/01/2014

Date(s) Analyzed: 08/01/2014 08/01/2014

Instrument ID (1): **1234567890** Instrument ID (2): **9876543210**

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	0.57	
	2	0.00	0.00	0.00	0.50	13
Aroclor-1260	1	0.00	0.00	0.00	0.51	
	2	0.00	0.00	0.00	0.47	8

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.
- O-04 Sample fingerprint does not match standard exactly. Sample was quantitated against the closest matching standard.
- O-27 Elevated reporting limit due to sample matrix interference. Multiple extract clean-up procedures were performed on this sample, but they did not sufficiently remove the interference to meet the requested reporting limit.
- S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.



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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	06/30/2015
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2015
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2015
RI	Rhode Island Department of Health	LAO00112	12/30/2014
NC	North Carolina Div. of Water Quality	652	12/31/2014
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2015
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2014
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2014



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ANALYTICAL LABORATORY Fax: 413-525-6405
Email: info@contestlabs.com
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CHAIN OF CUSTODY RECORD

39 Spruce Street
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HC-1375

ANALYSIS REQUESTED									
Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection	Beginning Date/Time	Ending Date/Time	Composite	Grab	*Matrix Code	Unit Code	Soxhlet
1 V0730-01	Rm 116 Ext. Poly	7/30/14					✓		8082A
2 V0730-02	Rm 116 Int. Poly								
3 V0730-03	Rm 117 Ext. Poly						✓		
4 V0730-04	Rm 117 Int. Poly						✓		
5 V0730-05	Rm 118 Ext. Poly						✓		
6 V0730-06	Rm 118 Int. Poly						✓		
7 C0730-01	Rm 116 Brick						✓		
8 C0730-02	Rm 116 CMU						✓		
9 C0730-03	Rm 117 Brick Mortar						✓		
10 C0730-04	Rm 117 CMU - M						✓		
Comments:									
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									
Relinquished by: <u>Signature</u> Date/Time: <u>7/30/14</u> Turnaround <u>10-Day</u> Detection Limit Requirements Received by: <u>Signature</u> Date/Time: <u>7/30/14</u> Massacusetts: _____ Relinquished by: <u>Signature</u> Date/Time: <u>7/30/14</u> Other: _____ Received by: <u>Signature</u> Date/Time: <u>7/30/14</u> Connecticut: <u><1PPM</u> Received by: <u>Signature</u> Date/Time: <u>7/30/14</u> Other: _____									
*Matrix Code: GW = groundwater WW = wastewater DW = drinking water A = air S = soil/solid SL = sludge O = other _____									
ACCREDITED IN ACCORDANCE WITH THE NELAC NELAC & AIHA Certified AIHA WBE/DBE Certified									

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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CHAIN OF CUSTODY RECORD

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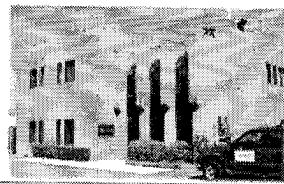
Page 2 of 2

Company Name: AMC Environmental		Address: P.O. Box 423 Stratford, CT 06615		Telephone: 203-378-5020		Project #: 8082A		ANALYSIS REQUESTED	
Attention: Jason Pringle		Project Location: Osgood School		Sampled By: B Graham		Client PO#		# of Containers	
Project Proposal Provided? (for billing purposes)		O yes _____ proposal date		Format:		DATA DELIVERY (check all that apply)		** Preservation	
				Email: results@amcenviron.com		O FAX O EMAIL O WEBSITE		*** Container Code	
				O PDF O EXCEL O GIS		O OTHER		Dissolved Metals	
				O "Enhanced Data Package"				O Field Filtered O Lab to Filter	
Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	* Matrix Code	Conc. Units	Soxhlet	
11 C0730-05	Rm 116 Bric k	7/30/14		/	/	✓			
12 C0730-06	Rm 116 CMU			/	/	✓			
13 C0730-07	Hallway CMU			/	/	✓			
14 C0730-08	Hallway CMU/paint			/	/	✓			
15 C0730-09	Hallway Skin Coat			/	/	✓			
16 C0730-10	Hallway Slab			/	/	✓			
Comments:									
<p>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</p>									
Relinquished by: (signature) <u>15</u> Date/Time: <u>7/30/14</u>		Turnaround [†] : <input type="checkbox"/> 7-Day <input checked="" type="checkbox"/> 10-Day <input type="checkbox"/> Other _____		Detection Limit Requirements		Is your project MCP or RCP ?			
Received by: (signature) <u>15</u> Date/Time: <u>7/30/14</u>		Massachusetts: <input type="checkbox"/> MCP Form Required <input type="checkbox"/> RCP Form Required <input type="checkbox"/> MA State DW Form Required PWSID # _____							
Relinquished by: (signature) <u>15</u> Date/Time: <u>7/30/14</u>		Connecticut: <1PPM <input type="checkbox"/> 124-Hr <input checked="" type="checkbox"/> 48-Hr <input type="checkbox"/> 72-Hr <input type="checkbox"/> 4-Day							
Received by: (signature) <u>15</u> Date/Time: <u>7/30/14</u>		Other: <input type="checkbox"/> Require lab approval <input type="checkbox"/> Other: _____							
<p>[†] 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.</p> <p>PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT</p>									
<p>ACREDITED IN ACCORDANCE WITH NELAC AND AIHA STANDARDS NELAC & AIHA Certified WBE/DBE Certified</p>									

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Page 1 of 2



Sample Receipt Checklist

CLIENT NAME: AMC,RECEIVED BY: BLFDATE: 7/30/14

- 1) Was the chain(s) of custody relinquished and signed? Yes No No CoC Included
- 2) Does the chain agree with the samples?
If not, explain:
- 3) Are all the samples in good condition?
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 4.4°C

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

Who was notified _____ Date _____ Time _____

- 6) Are there any RUSN or SHORT HOLDING TIME samples? Yes No

Who was notified _____ Date _____ Time _____

- 7) Location where samples are stored:

19

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	<u>10</u>
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 _____ Time and Date Frozen:

Doc# 277

Bisulfate _____ # DI Water _____

Rev. 4 August 2013

Thiosulfate _____ Unpreserved _____

Page 2 of 2
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>
	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.	T	
4) Cooler Temperature is acceptable.	T	
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 7/30/14 1617



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August 13, 2014

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: 14H0423

Enclosed are results of analyses for samples received by the laboratory on August 11, 2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Lisa A. Worthington".

Lisa A. Worthington
Project Manager

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

REPORT DATE: 8/13/2014

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 14H0423

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
C0810-01	14H0423-01	Product/Solid	Main Hallway Concrete Slab	SW-846 8082A	
C0810-02	14H0423-02	Product/Solid	Main Hallway Concrete Slab	SW-846 8082A	
C0810-03	14H0423-03	Product/Solid	Main Hallway Concrete Slab	SW-846 8082A	
C0810-04	14H0423-04	Product/Solid	Main Hallway Concrete Slab	SW-846 8082A	
C0810-05	14H0423-05	Product/Solid	Main Hallway Concrete Slab	SW-846 8082A	
C0810-06	14H0423-06	Product/Solid	Main Hallway Concrete Slab	SW-846 8082A	
C0810-07	14H0423-07	Product/Solid	Main Hallway Concrete Slab	SW-846 8082A	
C0810-08	14H0423-08	Product/Solid	Main Hallway Concrete Slab	SW-846 8082A	
C0810-09	14H0423-09	Product/Solid	Main Hallway Concrete Slab	SW-846 8082A	
C0810-10	14H0423-10	Product/Solid	Main Hallway Concrete Slab	SW-846 8082A	
C0810-11	14H0423-11	Product/Solid	Main Hallway Concrete Slab	SW-846 8082A	
C0810-12	14H0423-12	Product/Solid	Main Hallway Concrete Slab	SW-846 8082A	
C0810-13	14H0423-13	Product/Solid	Main Hallway Concrete Slab	SW-846 8082A	
C0810-14	14H0423-14	Product/Solid	Main Hallway Concrete Slab	SW-846 8082A	
C0810-15	14H0423-15	Product/Solid	Main Hallway Concrete Slab	SW-846 8082A	
C0810-16	14H0423-16	Product/Solid	Main Hallway Concrete Slab	SW-846 8082A	
C0810-17	14H0423-17	Product/Solid	Main Hallway Concrete Slab	SW-846 8082A	
C0810-18	14H0423-18	Product/Solid	Main Hallway Concrete Slab	SW-846 8082A	
C0810-19	14H0423-19	Product/Solid	Main Hallway Concrete Slab	SW-846 8082A	
C0810-20	14H0423-20	Product/Solid	Main Hallway Concrete Slab	SW-846 8082A	
C0810-21	14H0423-21	Product/Solid	Main Hallway Concrete Slab	SW-846 8082A	
C0810-22	14H0423-22	Product/Solid	Main Hallway Concrete Slab	SW-846 8082A	
C0810-23	14H0423-23	Product/Solid	Main Hallway Concrete Slab	SW-846 8082A	
C0810-24	14H0423-24	Product/Solid	Main Hallway Concrete Slab	SW-846 8082A	
C0810-25	14H0423-25	Product/Solid	Main Hallway Concrete Slab	SW-846 8082A	
W0810-01	14H0423-26	Wipe	Main Hallway Poly	SW-846 8082A	
W0810-02	14H0423-27	Wipe	Main Hallway Poly	SW-846 8082A	
W0810-03	14H0423-28	Wipe	Main Hallway Metal Behind Base	SW-846 8082A	
W0810-04	14H0423-29	Wipe	Main Hallway Metal Behind Base	SW-846 8082A	
W0810-05	14H0423-30	Wipe	Main Hallway Metal Behind Base	SW-846 8082A	
W0810-06	14H0423-31	Wipe	Main Hallway Metal Behind Base	SW-846 8082A	
W0810-07	14H0423-32	Wipe	Main Hallway Metal Behind Base	SW-846 8082A	
W0810-08	14H0423-33	Wipe	Main Hallway Metal Behind Base	SW-846 8082A	
W0810-09	14H0423-34	Wipe	Main Hallway Metal Behind Base	SW-846 8082A	
W0810-10	14H0423-35	Wipe	Main Hallway Metal Behind Base	SW-846 8082A	



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CASE NARRATIVE SUMMARY

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

SW-846 8082A

Qualifications:

O-03

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

Analyte & Samples(s) Qualified:

Aroclor-1254

14H0423-25[C0810-25], 14H0423-29[W0810-04]

Aroclor-1254 [2C]

14H0423-25[C0810-25], 14H0423-29[W0810-04]

O-27

Elevated reporting limit due to sample matrix interference. Multiple extract clean-up procedures were performed on this sample, but they did not sufficiently remove the interference to meet the requested reporting limit.

Analyte & Samples(s) Qualified:

14H0423-24[C0810-24]

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

14H0423-24[C0810-24]

Decachlorobiphenyl [2C]

14H0423-24[C0810-24]

Tetrachloro-m-xylene

14H0423-24[C0810-24]

Tetrachloro-m-xylene [2C]

14H0423-24[C0810-24]

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. Kopyscinski
Air Lab Director



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

Project Location: Osborn School

Sample Description: Main Hallway Concrete Slab

Work Order: 14H0423

Date Received: 8/11/2014

Sampled: 8/10/2014 00:00

Field Sample #: C0810-01

Sample ID: 14H0423-01

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	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 16:54	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 16:54	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 16:54	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 16:54	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 16:54	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 16:54	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 16:54	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 16:54	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 16:54	MJC
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	104	30-150							8/12/14 16:54
Decachlorobiphenyl [2]	104	30-150							8/12/14 16:54
Tetrachloro-m-xylene [1]	93.2	30-150							8/12/14 16:54
Tetrachloro-m-xylene [2]	101	30-150							8/12/14 16:54



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Project Location: Osborn School

Sample Description: Main Hallway Concrete Slab

Work Order: 14H0423

Date Received: 8/11/2014

Field Sample #: C0810-02

Sampled: 8/10/2014 00:00

Sample ID: 14H0423-02

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	8/11/14	8/12/14 17:11	MJC
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 17:11	MJC
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 17:11	MJC
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 17:11	MJC
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 17:11	MJC
Aroclor-1254 [1]	0.26	0.097	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 17:11	MJC
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 17:11	MJC
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 17:11	MJC
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 17:11	MJC
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	102	30-150							8/12/14 17:11
Decachlorobiphenyl [2]	101	30-150							8/12/14 17:11
Tetrachloro-m-xylene [1]	88.5	30-150							8/12/14 17:11
Tetrachloro-m-xylene [2]	95.7	30-150							8/12/14 17:11



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Project Location: Osborn School

Sample Description: Main Hallway Concrete Slab

Work Order: 14H0423

Date Received: 8/11/2014

Sampled: 8/10/2014 00:00

Field Sample #: C0810-03

Sample ID: 14H0423-03

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	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 17:41	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 17:41	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 17:41	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 17:41	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 17:41	MJC
Aroclor-1254 [1]	0.13	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 17:41	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 17:41	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 17:41	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 17:41	MJC
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	106		30-150					8/12/14 17:41	
Decachlorobiphenyl [2]	107		30-150					8/12/14 17:41	
Tetrachloro-m-xylene [1]	93.0		30-150					8/12/14 17:41	
Tetrachloro-m-xylene [2]	101		30-150					8/12/14 17:41	



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Project Location: Osborn School

Sample Description: Main Hallway Concrete Slab

Work Order: 14H0423

Date Received: 8/11/2014

Field Sample #: C0810-04

Sampled: 8/10/2014 00:00

Sample ID: 14H0423-04

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	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 17:58	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 17:58	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 17:58	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 17:58	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 17:58	MJC
Aroclor-1254 [1]	0.54	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 17:58	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 17:58	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 17:58	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 17:58	MJC
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	95.2	30-150						8/12/14 17:58	
Decachlorobiphenyl [2]	94.2	30-150						8/12/14 17:58	
Tetrachloro-m-xylene [1]	89.4	30-150						8/12/14 17:58	
Tetrachloro-m-xylene [2]	95.6	30-150						8/12/14 17:58	



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Project Location: Osborn School

Sample Description: Main Hallway Concrete Slab

Work Order: 14H0423

Date Received: 8/11/2014

Field Sample #: C0810-05

Sampled: 8/10/2014 00:00

Sample ID: 14H0423-05

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	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 18:16	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 18:16	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 18:16	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 18:16	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 18:16	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 18:16	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 18:16	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 18:16	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 18:16	MJC
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	103	30-150						8/12/14 18:16	
Decachlorobiphenyl [2]	102	30-150						8/12/14 18:16	
Tetrachloro-m-xylene [1]	87.8	30-150						8/12/14 18:16	
Tetrachloro-m-xylene [2]	96.2	30-150						8/12/14 18:16	



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Project Location: Osborn School

Sample Description: Main Hallway Concrete Slab

Work Order: 14H0423

Date Received: 8/11/2014

Sampled: 8/10/2014 00:00

Field Sample #: C0810-06

Sample ID: 14H0423-06

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	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 18:33	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 18:33	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 18:33	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 18:33	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 18:33	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 18:33	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 18:33	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 18:33	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 18:33	MJC
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	111	30-150							8/12/14 18:33
Decachlorobiphenyl [2]	110	30-150							8/12/14 18:33
Tetrachloro-m-xylene [1]	93.2	30-150							8/12/14 18:33
Tetrachloro-m-xylene [2]	103	30-150							8/12/14 18:33



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Project Location: Osborn School

Sample Description: Main Hallway Concrete Slab

Work Order: 14H0423

Date Received: 8/11/2014

Field Sample #: C0810-07

Sampled: 8/10/2014 00:00

Sample ID: 14H0423-07

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	0.097	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 18:50	MJC
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 18:50	MJC
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 18:50	MJC
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 18:50	MJC
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 18:50	MJC
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 18:50	MJC
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 18:50	MJC
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 18:50	MJC
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 18:50	MJC
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	113	30-150							8/12/14 18:50
Decachlorobiphenyl [2]	113	30-150							8/12/14 18:50
Tetrachloro-m-xylene [1]	94.7	30-150							8/12/14 18:50
Tetrachloro-m-xylene [2]	105	30-150							8/12/14 18:50



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Project Location: Osborn School

Sample Description: Main Hallway Concrete Slab

Work Order: 14H0423

Date Received: 8/11/2014

Field Sample #: C0810-08

Sampled: 8/10/2014 00:00

Sample ID: 14H0423-08

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	0.097	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 19:08	MJC
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 19:08	MJC
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 19:08	MJC
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 19:08	MJC
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 19:08	MJC
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 19:08	MJC
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 19:08	MJC
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 19:08	MJC
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 19:08	MJC
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	118	30-150							8/12/14 19:08
Decachlorobiphenyl [2]	117	30-150							8/12/14 19:08
Tetrachloro-m-xylene [1]	99.2	30-150							8/12/14 19:08
Tetrachloro-m-xylene [2]	108	30-150							8/12/14 19:08



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Project Location: Osborn School

Sample Description: Main Hallway Concrete Slab

Work Order: 14H0423

Date Received: 8/11/2014

Sampled: 8/10/2014 00:00

Field Sample #: C0810-09

Sample ID: 14H0423-09

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 19:55	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 19:55	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 19:55	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 19:55	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 19:55	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 19:55	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 19:55	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 19:55	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 19:55	MJC
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	126	30-150							8/12/14 19:55
Decachlorobiphenyl [2]	126	30-150							8/12/14 19:55
Tetrachloro-m-xylene [1]	104	30-150							8/12/14 19:55
Tetrachloro-m-xylene [2]	116	30-150							8/12/14 19:55



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Project Location: Osborn School

Sample Description: Main Hallway Concrete Slab

Work Order: 14H0423

Date Received: 8/11/2014

Field Sample #: C0810-10

Sampled: 8/10/2014 00:00

Sample ID: 14H0423-10

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 20:12	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 20:12	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 20:12	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 20:12	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 20:12	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 20:12	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 20:12	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 20:12	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 20:12	MJC
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	107	30-150							8/12/14 20:12
Decachlorobiphenyl [2]	109	30-150							8/12/14 20:12
Tetrachloro-m-xylene [1]	91.4	30-150							8/12/14 20:12
Tetrachloro-m-xylene [2]	99.8	30-150							8/12/14 20:12



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Project Location: Osborn School

Sample Description: Main Hallway Concrete Slab

Work Order: 14H0423

Date Received: 8/11/2014

Sampled: 8/10/2014 00:00

Field Sample #: C0810-11

Sample ID: 14H0423-11

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 20:30	MJC
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 20:30	MJC
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 20:30	MJC
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 20:30	MJC
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 20:30	MJC
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 20:30	MJC
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 20:30	MJC
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 20:30	MJC
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 20:30	MJC
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	109	30-150							8/12/14 20:30
Decachlorobiphenyl [2]	109	30-150							8/12/14 20:30
Tetrachloro-m-xylene [1]	94.7	30-150							8/12/14 20:30
Tetrachloro-m-xylene [2]	102	30-150							8/12/14 20:30



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Project Location: Osborn School

Sample Description: Main Hallway Concrete Slab

Work Order: 14H0423

Date Received: 8/11/2014

Field Sample #: C0810-12

Sampled: 8/10/2014 00:00

Sample ID: 14H0423-12

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 20:47	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 20:47	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 20:47	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 20:47	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 20:47	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 20:47	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 20:47	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 20:47	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 20:47	MJC
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	64.1	30-150							8/12/14 20:47
Decachlorobiphenyl [2]	63.8	30-150							8/12/14 20:47
Tetrachloro-m-xylene [1]	56.1	30-150							8/12/14 20:47
Tetrachloro-m-xylene [2]	62.2	30-150							8/12/14 20:47



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Project Location: Osborn School

Sample Description: Main Hallway Concrete Slab

Work Order: 14H0423

Date Received: 8/11/2014

Field Sample #: C0810-13

Sampled: 8/10/2014 00:00

Sample ID: 14H0423-13

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 21:05	MJC
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 21:05	MJC
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 21:05	MJC
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 21:05	MJC
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 21:05	MJC
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 21:05	MJC
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 21:05	MJC
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 21:05	MJC
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 21:05	MJC
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	95.0	30-150							8/12/14 21:05
Decachlorobiphenyl [2]	95.1	30-150							8/12/14 21:05
Tetrachloro-m-xylene [1]	79.5	30-150							8/12/14 21:05
Tetrachloro-m-xylene [2]	88.2	30-150							8/12/14 21:05



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Project Location: Osborn School

Sample Description: Main Hallway Concrete Slab

Work Order: 14H0423

Date Received: 8/11/2014

Field Sample #: C0810-14

Sampled: 8/10/2014 00:00

Sample ID: 14H0423-14

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 21:22	MJC
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 21:22	MJC
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 21:22	MJC
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 21:22	MJC
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 21:22	MJC
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 21:22	MJC
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 21:22	MJC
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 21:22	MJC
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 21:22	MJC
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	84.8	30-150							8/12/14 21:22
Decachlorobiphenyl [2]	84.0	30-150							8/12/14 21:22
Tetrachloro-m-xylene [1]	72.1	30-150							8/12/14 21:22
Tetrachloro-m-xylene [2]	77.1	30-150							8/12/14 21:22



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Project Location: Osborn School

Sample Description: Main Hallway Concrete Slab

Work Order: 14H0423

Date Received: 8/11/2014

Field Sample #: C0810-15

Sampled: 8/10/2014 00:00

Sample ID: 14H0423-15

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	8/11/14	8/12/14 21:39	MJC
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 21:39	MJC
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 21:39	MJC
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 21:39	MJC
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 21:39	MJC
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 21:39	MJC
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 21:39	MJC
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 21:39	MJC
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 21:39	MJC
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	110	30-150							8/12/14 21:39
Decachlorobiphenyl [2]	112	30-150							8/12/14 21:39
Tetrachloro-m-xylene [1]	89.3	30-150							8/12/14 21:39
Tetrachloro-m-xylene [2]	102	30-150							8/12/14 21:39



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Project Location: Osborn School

Sample Description: Main Hallway Concrete Slab

Work Order: 14H0423

Date Received: 8/11/2014

Field Sample #: C0810-16

Sampled: 8/10/2014 00:00

Sample ID: 14H0423-16

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 21:57	MJC
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 21:57	MJC
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 21:57	MJC
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 21:57	MJC
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 21:57	MJC
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 21:57	MJC
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 21:57	MJC
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 21:57	MJC
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 21:57	MJC
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	108	30-150							8/12/14 21:57
Decachlorobiphenyl [2]	110	30-150							8/12/14 21:57
Tetrachloro-m-xylene [1]	90.8	30-150							8/12/14 21:57
Tetrachloro-m-xylene [2]	100	30-150							8/12/14 21:57



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Project Location: Osborn School

Sample Description: Main Hallway Concrete Slab

Work Order: 14H0423

Date Received: 8/11/2014

Field Sample #: C0810-17

Sampled: 8/10/2014 00:00

Sample ID: 14H0423-17

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	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 22:14	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 22:14	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 22:14	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 22:14	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 22:14	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 22:14	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 22:14	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 22:14	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 22:14	MJC
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	108	30-150							8/12/14 22:14
Decachlorobiphenyl [2]	109	30-150							8/12/14 22:14
Tetrachloro-m-xylene [1]	90.3	30-150							8/12/14 22:14
Tetrachloro-m-xylene [2]	102	30-150							8/12/14 22:14



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Project Location: Osborn School

Sample Description: Main Hallway Concrete Slab

Work Order: 14H0423

Date Received: 8/11/2014

Field Sample #: C0810-18

Sampled: 8/10/2014 00:00

Sample ID: 14H0423-18

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	8/11/14	8/12/14 22:31	MJC
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 22:31	MJC
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 22:31	MJC
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 22:31	MJC
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 22:31	MJC
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 22:31	MJC
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 22:31	MJC
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 22:31	MJC
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 22:31	MJC
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	103	30-150							8/12/14 22:31
Decachlorobiphenyl [2]	103	30-150							8/12/14 22:31
Tetrachloro-m-xylene [1]	86.0	30-150							8/12/14 22:31
Tetrachloro-m-xylene [2]	95.9	30-150							8/12/14 22:31



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Project Location: Osborn School

Sample Description: Main Hallway Concrete Slab

Work Order: 14H0423

Date Received: 8/11/2014

Field Sample #: C0810-19

Sampled: 8/10/2014 00:00

Sample ID: 14H0423-19

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	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 22:49	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 22:49	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 22:49	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 22:49	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 22:49	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 22:49	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 22:49	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 22:49	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 22:49	MJC
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	117	30-150							8/12/14 22:49
Decachlorobiphenyl [2]	117	30-150							8/12/14 22:49
Tetrachloro-m-xylene [1]	94.6	30-150							8/12/14 22:49
Tetrachloro-m-xylene [2]	107	30-150							8/12/14 22:49



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Project Location: Osborn School

Sample Description: Main Hallway Concrete Slab

Work Order: 14H0423

Date Received: 8/11/2014

Field Sample #: C0810-20

Sampled: 8/10/2014 00:00

Sample ID: 14H0423-20

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	8/11/14	8/12/14 23:06	MJC
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 23:06	MJC
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 23:06	MJC
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 23:06	MJC
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 23:06	MJC
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 23:06	MJC
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 23:06	MJC
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 23:06	MJC
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 23:06	MJC
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	108	30-150							8/12/14 23:06
Decachlorobiphenyl [2]	107	30-150							8/12/14 23:06
Tetrachloro-m-xylene [1]	92.7	30-150							8/12/14 23:06
Tetrachloro-m-xylene [2]	99.7	30-150							8/12/14 23:06



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Project Location: Osborn School

Sample Description: Main Hallway Concrete Slab

Work Order: 14H0423

Date Received: 8/11/2014

Sampled: 8/10/2014 00:00

Field Sample #: C0810-21

Sample ID: 14H0423-21

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 12:15	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 12:15	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 12:15	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 12:15	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 12:15	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 12:15	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 12:15	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 12:15	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 12:15	JMB
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	120	30-150							8/12/14 12:15
Decachlorobiphenyl [2]	111	30-150							8/12/14 12:15
Tetrachloro-m-xylene [1]	108	30-150							8/12/14 12:15
Tetrachloro-m-xylene [2]	111	30-150							8/12/14 12:15



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Project Location: Osborn School

Sample Description: Main Hallway Concrete Slab

Work Order: 14H0423

Date Received: 8/11/2014

Field Sample #: C0810-22

Sampled: 8/10/2014 00:00

Sample ID: 14H0423-22

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	8/11/14	8/12/14 12:27	JMB
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 12:27	JMB
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 12:27	JMB
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 12:27	JMB
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 12:27	JMB
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 12:27	JMB
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 12:27	JMB
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 12:27	JMB
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 12:27	JMB
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	99.0	30-150							8/12/14 12:27
Decachlorobiphenyl [2]	92.1	30-150							8/12/14 12:27
Tetrachloro-m-xylene [1]	87.3	30-150							8/12/14 12:27
Tetrachloro-m-xylene [2]	88.7	30-150							8/12/14 12:27



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Project Location: Osborn School

Sample Description: Main Hallway Concrete Slab

Work Order: 14H0423

Date Received: 8/11/2014

Field Sample #: C0810-23

Sampled: 8/10/2014 00:00

Sample ID: 14H0423-23

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	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 12:40	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 12:40	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 12:40	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 12:40	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 12:40	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 12:40	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 12:40	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 12:40	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 12:40	JMB
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	113	30-150							8/12/14 12:40
Decachlorobiphenyl [2]	106	30-150							8/12/14 12:40
Tetrachloro-m-xylene [1]	99.8	30-150							8/12/14 12:40
Tetrachloro-m-xylene [2]	103	30-150							8/12/14 12:40



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Project Location: Osborn School

Sample Description: Main Hallway Concrete Slab

Work Order: 14H0423

Date Received: 8/11/2014

Field Sample #: C0810-24

Sampled: 8/10/2014 00:00

Sample ID: 14H0423-24

Sample Matrix: Product/Solid

Sample Flags: O-27

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	99	mg/Kg	1000		SW-846 8082A	8/11/14	8/12/14 13:49	JMB
Aroclor-1221 [1]	ND	99	mg/Kg	1000		SW-846 8082A	8/11/14	8/12/14 13:49	JMB
Aroclor-1232 [1]	ND	99	mg/Kg	1000		SW-846 8082A	8/11/14	8/12/14 13:49	JMB
Aroclor-1242 [1]	ND	99	mg/Kg	1000		SW-846 8082A	8/11/14	8/12/14 13:49	JMB
Aroclor-1248 [1]	ND	99	mg/Kg	1000		SW-846 8082A	8/11/14	8/12/14 13:49	JMB
Aroclor-1254 [1]	ND	99	mg/Kg	1000		SW-846 8082A	8/11/14	8/12/14 13:49	JMB
Aroclor-1260 [1]	ND	99	mg/Kg	1000		SW-846 8082A	8/11/14	8/12/14 13:49	JMB
Aroclor-1262 [1]	ND	99	mg/Kg	1000		SW-846 8082A	8/11/14	8/12/14 13:49	JMB
Aroclor-1268 [1]	ND	99	mg/Kg	1000		SW-846 8082A	8/11/14	8/12/14 13:49	JMB
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	*		30-150		S-01			8/12/14 13:49	
Decachlorobiphenyl [2]	*		30-150		S-01			8/12/14 13:49	
Tetrachloro-m-xylene [1]	*		30-150		S-01			8/12/14 13:49	
Tetrachloro-m-xylene [2]	*		30-150		S-01			8/12/14 13:49	



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Project Location: Osborn School

Sample Description: Main Hallway Concrete Slab

Work Order: 14H0423

Date Received: 8/11/2014

Field Sample #: C0810-25

Sampled: 8/10/2014 00:00

Sample ID: 14H0423-25

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	8/11/14	8/12/14 13:31	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 13:31	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 13:31	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 13:31	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 13:31	JMB
Aroclor-1254 [1]	0.26	0.098	mg/Kg	1	O-03	SW-846 8082A	8/11/14	8/12/14 13:31	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 13:31	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 13:31	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/11/14	8/12/14 13:31	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	106	30-150							8/12/14 13:31
Decachlorobiphenyl [2]	101	30-150							8/12/14 13:31
Tetrachloro-m-xylene [1]	91.8	30-150							8/12/14 13:31
Tetrachloro-m-xylene [2]	94.1	30-150							8/12/14 13:31



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Project Location: Osborn School

Sample Description: Main Hallway Poly

Work Order: 14H0423

Date Received: 8/11/2014

Field Sample #: W0810-01

Sampled: 8/10/2014 00:00

Sample ID: 14H0423-26

Sample Matrix: Wipe

Polychlorinated 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	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 17:29	MJC
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 17:29	MJC
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 17:29	MJC
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 17:29	MJC
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 17:29	MJC
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 17:29	MJC
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 17:29	MJC
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 17:29	MJC
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 17:29	MJC
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	89.5	30-150							8/12/14 17:29
Decachlorobiphenyl [2]	88.5	30-150							8/12/14 17:29
Tetrachloro-m-xylene [1]	56.1	30-150							8/12/14 17:29
Tetrachloro-m-xylene [2]	59.9	30-150							8/12/14 17:29



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Project Location: Osborn School

Sample Description: Main Hallway Poly

Work Order: 14H0423

Date Received: 8/11/2014

Field Sample #: W0810-02

Sampled: 8/10/2014 00:00

Sample ID: 14H0423-27

Sample Matrix: Wipe

Polychlorinated 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	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:01	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:01	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:01	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:01	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:01	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:01	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:01	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:01	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:01	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	102	30-150							8/12/14 14:01
Decachlorobiphenyl [2]	100	30-150							8/12/14 14:01
Tetrachloro-m-xylene [1]	84.9	30-150							8/12/14 14:01
Tetrachloro-m-xylene [2]	95.3	30-150							8/12/14 14:01



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Project Location: Osborn School

Sample Description: Main Hallway Metal Behind Base

Work Order: 14H0423

Date Received: 8/11/2014

Sampled: 8/10/2014 00:00

Field Sample #: W0810-03

Sample ID: 14H0423-28

Sample Matrix: Wipe

Polychlorinated 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	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:14	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:14	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:14	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:14	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:14	KAL
Aroclor-1254 [1]	0.25	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:14	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:14	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:14	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:14	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	99.0	30-150							8/12/14 14:14
Decachlorobiphenyl [2]	96.7	30-150							8/12/14 14:14
Tetrachloro-m-xylene [1]	80.0	30-150							8/12/14 14:14
Tetrachloro-m-xylene [2]	92.8	30-150							8/12/14 14:14



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Project Location: Osborn School

Sample Description: Main Hallway Metal Behind Base

Work Order: 14H0423

Date Received: 8/11/2014

Field Sample #: W0810-04

Sampled: 8/10/2014 00:00

Sample ID: 14H0423-29

Sample Matrix: Wipe

Polychlorinated 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	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:26	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:26	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:26	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:26	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:26	KAL
Aroclor-1254 [1]	1.5	0.20	µg/Wipe	1	O-03	SW-846 8082A	8/11/14	8/12/14 14:26	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:26	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:26	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:26	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	102	30-150					8/12/14 14:26		
Decachlorobiphenyl [2]	103	30-150					8/12/14 14:26		
Tetrachloro-m-xylene [1]	90.3	30-150					8/12/14 14:26		
Tetrachloro-m-xylene [2]	99.7	30-150					8/12/14 14:26		



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Project Location: Osborn School

Sample Description: Main Hallway Metal Behind Base

Work Order: 14H0423

Date Received: 8/11/2014

Field Sample #: W0810-05

Sampled: 8/10/2014 00:00

Sample ID: 14H0423-30

Sample Matrix: Wipe

Polychlorinated 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	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:38	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:38	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:38	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:38	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:38	KAL
Aroclor-1254 [1]	0.68	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:38	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:38	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:38	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:38	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	101	30-150							8/12/14 14:38
Decachlorobiphenyl [2]	101	30-150							8/12/14 14:38
Tetrachloro-m-xylene [1]	82.5	30-150							8/12/14 14:38
Tetrachloro-m-xylene [2]	90.3	30-150							8/12/14 14:38



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

Project Location: Osborn School

Sample Description: Main Hallway Metal Behind Base

Work Order: 14H0423

Date Received: 8/11/2014

Sampled: 8/10/2014 00:00

Field Sample #: W0810-06

Sample ID: 14H0423-31

Sample Matrix: Wipe

Polychlorinated 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	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:51	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:51	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:51	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:51	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:51	KAL
Aroclor-1254 [1]	0.32	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:51	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:51	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:51	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 14:51	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	99.4	30-150							8/12/14 14:51
Decachlorobiphenyl [2]	100	30-150							8/12/14 14:51
Tetrachloro-m-xylene [1]	83.4	30-150							8/12/14 14:51
Tetrachloro-m-xylene [2]	92.4	30-150							8/12/14 14:51



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

Project Location: Osborn School

Sample Description: Main Hallway Metal Behind Base

Work Order: 14H0423

Date Received: 8/11/2014

Field Sample #: W0810-07

Sampled: 8/10/2014 00:00

Sample ID: 14H0423-32

Sample Matrix: Wipe

Polychlorinated 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	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 15:03	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 15:03	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 15:03	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 15:03	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 15:03	KAL
Aroclor-1254 [1]	0.32	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 15:03	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 15:03	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 15:03	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 15:03	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	88.9	30-150							8/12/14 15:03
Decachlorobiphenyl [2]	94.3	30-150							8/12/14 15:03
Tetrachloro-m-xylene [1]	79.7	30-150							8/12/14 15:03
Tetrachloro-m-xylene [2]	88.2	30-150							8/12/14 15:03



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Project Location: Osborn School

Sample Description: Main Hallway Metal Behind Base

Work Order: 14H0423

Date Received: 8/11/2014

Sampled: 8/10/2014 00:00

Field Sample #: W0810-08

Sample ID: 14H0423-33

Sample Matrix: Wipe

Polychlorinated 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	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 15:15	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 15:15	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 15:15	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 15:15	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 15:15	KAL
Aroclor-1254 [1]	0.28	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 15:15	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 15:15	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 15:15	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 15:15	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	91.8	30-150							8/12/14 15:15
Decachlorobiphenyl [2]	98.7	30-150							8/12/14 15:15
Tetrachloro-m-xylene [1]	80.0	30-150							8/12/14 15:15
Tetrachloro-m-xylene [2]	87.6	30-150							8/12/14 15:15



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

Project Location: Osborn School

Sample Description: Main Hallway Metal Behind Base

Work Order: 14H0423

Date Received: 8/11/2014

Field Sample #: W0810-09

Sampled: 8/10/2014 00:00

Sample ID: 14H0423-34

Sample Matrix: Wipe

Polychlorinated 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	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 15:28	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 15:28	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 15:28	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 15:28	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 15:28	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 15:28	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 15:28	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 15:28	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 15:28	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	90.7	30-150							8/12/14 15:28
Decachlorobiphenyl [2]	95.3	30-150							8/12/14 15:28
Tetrachloro-m-xylene [1]	83.4	30-150							8/12/14 15:28
Tetrachloro-m-xylene [2]	88.7	30-150							8/12/14 15:28



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Project Location: Osborn School

Sample Description: Main Hallway Metal Behind Base

Work Order: 14H0423

Date Received: 8/11/2014

Sampled: 8/10/2014 00:00

Field Sample #: W0810-10

Sample ID: 14H0423-35

Sample Matrix: Wipe

Polychlorinated 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	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 15:40	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 15:40	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 15:40	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 15:40	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 15:40	KAL
Aroclor-1254 [1]	0.38	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 15:40	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 15:40	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 15:40	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/14	8/12/14 15:40	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	95.2	30-150							8/12/14 15:40
Decachlorobiphenyl [2]	101	30-150							8/12/14 15:40
Tetrachloro-m-xylene [1]	89.3	30-150							8/12/14 15:40
Tetrachloro-m-xylene [2]	96.6	30-150							8/12/14 15:40

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Sample Extraction Data
Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
14H0423-01 [C0810-01]	B102303	2.01	10.0	08/11/14
14H0423-02 [C0810-02]	B102303	2.07	10.0	08/11/14
14H0423-03 [C0810-03]	B102303	2.01	10.0	08/11/14
14H0423-04 [C0810-04]	B102303	2.00	10.0	08/11/14
14H0423-05 [C0810-05]	B102303	2.00	10.0	08/11/14
14H0423-06 [C0810-06]	B102303	2.01	10.0	08/11/14
14H0423-07 [C0810-07]	B102303	2.07	10.0	08/11/14
14H0423-08 [C0810-08]	B102303	2.06	10.0	08/11/14
14H0423-09 [C0810-09]	B102303	2.00	10.0	08/11/14
14H0423-10 [C0810-10]	B102303	2.01	10.0	08/11/14
14H0423-11 [C0810-11]	B102303	2.08	10.0	08/11/14
14H0423-12 [C0810-12]	B102303	2.01	10.0	08/11/14
14H0423-13 [C0810-13]	B102303	2.07	10.0	08/11/14
14H0423-14 [C0810-14]	B102303	2.02	10.0	08/11/14
14H0423-15 [C0810-15]	B102303	2.02	10.0	08/11/14
14H0423-16 [C0810-16]	B102303	2.02	10.0	08/11/14
14H0423-17 [C0810-17]	B102303	2.00	10.0	08/11/14
14H0423-18 [C0810-18]	B102303	2.08	10.0	08/11/14
14H0423-19 [C0810-19]	B102303	2.00	10.0	08/11/14
14H0423-20 [C0810-20]	B102303	2.08	10.0	08/11/14

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
14H0423-21 [C0810-21]	B102306	1.87	10.0	08/11/14
14H0423-22 [C0810-22]	B102306	2.08	10.0	08/11/14
14H0423-23 [C0810-23]	B102306	2.00	10.0	08/11/14
14H0423-24 [C0810-24]	B102306	2.02	10.0	08/11/14
14H0423-25 [C0810-25]	B102306	2.04	10.0	08/11/14

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

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
14H0423-26 [W0810-01]	B102289	1.00	10.0	08/11/14
14H0423-27 [W0810-02]	B102289	1.00	10.0	08/11/14
14H0423-28 [W0810-03]	B102289	1.00	10.0	08/11/14
14H0423-29 [W0810-04]	B102289	1.00	10.0	08/11/14
14H0423-30 [W0810-05]	B102289	1.00	10.0	08/11/14
14H0423-31 [W0810-06]	B102289	1.00	10.0	08/11/14
14H0423-32 [W0810-07]	B102289	1.00	10.0	08/11/14
14H0423-33 [W0810-08]	B102289	1.00	10.0	08/11/14
14H0423-34 [W0810-09]	B102289	1.00	10.0	08/11/14
14H0423-35 [W0810-10]	B102289	1.00	10.0	08/11/14

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	RPD Limit	Notes
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Batch B102289 - SW-846 3540C

Blank (B102289-BLK1)					Prepared: 08/11/14 Analyzed: 08/12/14					
Aroclor-1016	ND	0.20	µg/Wipe							
Aroclor-1016 [2C]	ND	0.20	µg/Wipe							
Aroclor-1221	ND	0.20	µg/Wipe							
Aroclor-1221 [2C]	ND	0.20	µg/Wipe							
Aroclor-1232	ND	0.20	µg/Wipe							
Aroclor-1232 [2C]	ND	0.20	µg/Wipe							
Aroclor-1242	ND	0.20	µg/Wipe							
Aroclor-1242 [2C]	ND	0.20	µg/Wipe							
Aroclor-1248	ND	0.20	µg/Wipe							
Aroclor-1248 [2C]	ND	0.20	µg/Wipe							
Aroclor-1254	ND	0.20	µg/Wipe							
Aroclor-1254 [2C]	ND	0.20	µg/Wipe							
Aroclor-1260	ND	0.20	µg/Wipe							
Aroclor-1260 [2C]	ND	0.20	µg/Wipe							
Aroclor-1262	ND	0.20	µg/Wipe							
Aroclor-1262 [2C]	ND	0.20	µg/Wipe							
Aroclor-1268	ND	0.20	µg/Wipe							
Aroclor-1268 [2C]	ND	0.20	µg/Wipe							
Surrogate: Decachlorobiphenyl	2.01		µg/Wipe	2.00		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.02		µg/Wipe	2.00		101	30-150			
Surrogate: Tetrachloro-m-xylene	1.70		µg/Wipe	2.00		85.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.86		µg/Wipe	2.00		92.9	30-150			

LCS (B102289-BS1)					Prepared: 08/11/14 Analyzed: 08/12/14					
Aroclor-1016	0.53	0.20	µg/Wipe	0.500		107	40-140			
Aroclor-1016 [2C]	0.51	0.20	µg/Wipe	0.500		101	40-140			
Aroclor-1260	0.54	0.20	µg/Wipe	0.500		108	40-140			
Aroclor-1260 [2C]	0.51	0.20	µg/Wipe	0.500		102	40-140			
Surrogate: Decachlorobiphenyl	2.04		µg/Wipe	2.00		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.04		µg/Wipe	2.00		102	30-150			
Surrogate: Tetrachloro-m-xylene	1.77		µg/Wipe	2.00		88.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.96		µg/Wipe	2.00		98.2	30-150			

LCS Dup (B102289-BSD1)					Prepared: 08/11/14 Analyzed: 08/12/14					
Aroclor-1016	0.53	0.20	µg/Wipe	0.500		107	40-140	0.425	30	
Aroclor-1016 [2C]	0.52	0.20	µg/Wipe	0.500		103	40-140	1.76	30	
Aroclor-1260	0.55	0.20	µg/Wipe	0.500		110	40-140	1.97	30	
Aroclor-1260 [2C]	0.51	0.20	µg/Wipe	0.500		103	40-140	0.513	30	
Surrogate: Decachlorobiphenyl	2.00		µg/Wipe	2.00		99.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.04		µg/Wipe	2.00		102	30-150			
Surrogate: Tetrachloro-m-xylene	1.68		µg/Wipe	2.00		83.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.90		µg/Wipe	2.00		95.0	30-150			



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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch B102303 - SW-846 3540C

Blank (B102303-BLK1)										Prepared: 08/11/14 Analyzed: 08/12/14
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	0.938		mg/Kg	1.00		93.8		30-150		
Surrogate: Decachlorobiphenyl [2C]	0.940		mg/Kg	1.00		94.0		30-150		
Surrogate: Tetrachloro-m-xylene	0.853		mg/Kg	1.00		85.3		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.901		mg/Kg	1.00		90.1		30-150		

LCS (B102303-BS1)										Prepared: 08/11/14 Analyzed: 08/12/14
Aroclor-1016	0.28	0.10	mg/Kg	0.250		112		40-140		
Aroclor-1016 [2C]	0.25	0.10	mg/Kg	0.250		98.8		40-140		
Aroclor-1260	0.27	0.10	mg/Kg	0.250		109		40-140		
Aroclor-1260 [2C]	0.25	0.10	mg/Kg	0.250		100		40-140		
Surrogate: Decachlorobiphenyl	1.02		mg/Kg	1.00		102		30-150		
Surrogate: Decachlorobiphenyl [2C]	1.01		mg/Kg	1.00		101		30-150		
Surrogate: Tetrachloro-m-xylene	0.881		mg/Kg	1.00		88.1		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.929		mg/Kg	1.00		92.9		30-150		

LCS Dup (B102303-BSD1)										Prepared: 08/11/14 Analyzed: 08/12/14
Aroclor-1016	0.28	0.10	mg/Kg	0.250		112		40-140	0.715	30
Aroclor-1016 [2C]	0.25	0.10	mg/Kg	0.250		101		40-140	2.42	30
Aroclor-1260	0.27	0.10	mg/Kg	0.250		109		40-140	0.177	30
Aroclor-1260 [2C]	0.25	0.10	mg/Kg	0.250		100		40-140	0.220	30
Surrogate: Decachlorobiphenyl	0.961		mg/Kg	1.00		96.1		30-150		
Surrogate: Decachlorobiphenyl [2C]	0.960		mg/Kg	1.00		96.0		30-150		
Surrogate: Tetrachloro-m-xylene	0.877		mg/Kg	1.00		87.7		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.929		mg/Kg	1.00		92.9		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	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	---------	-----------	-------

Batch B102306 - SW-846 3540C

Blank (B102306-BLK1)										Prepared: 08/11/14 Analyzed: 08/12/14
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	0.963		mg/Kg	1.00		96.3		30-150		
Surrogate: Decachlorobiphenyl [2C]	0.894		mg/Kg	1.00		89.4		30-150		
Surrogate: Tetrachloro-m-xylene	0.886		mg/Kg	1.00		88.6		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.899		mg/Kg	1.00		89.9		30-150		

LCS (B102306-BS1)										Prepared: 08/11/14 Analyzed: 08/12/14
Aroclor-1016	0.27	0.10	mg/Kg	0.250		108		40-140		
Aroclor-1016 [2C]	0.25	0.10	mg/Kg	0.250		98.1		40-140		
Aroclor-1260	0.26	0.10	mg/Kg	0.250		104		40-140		
Aroclor-1260 [2C]	0.25	0.10	mg/Kg	0.250		99.0		40-140		
Surrogate: Decachlorobiphenyl	1.04		mg/Kg	1.00		104		30-150		
Surrogate: Decachlorobiphenyl [2C]	0.967		mg/Kg	1.00		96.7		30-150		
Surrogate: Tetrachloro-m-xylene	0.930		mg/Kg	1.00		93.0		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.945		mg/Kg	1.00		94.5		30-150		

LCS Dup (B102306-BSD1)										Prepared: 08/11/14 Analyzed: 08/12/14
Aroclor-1016	0.27	0.10	mg/Kg	0.250		109		40-140	1.39	30
Aroclor-1016 [2C]	0.25	0.10	mg/Kg	0.250		100		40-140	2.21	30
Aroclor-1260	0.26	0.10	mg/Kg	0.250		105		40-140	0.966	30
Aroclor-1260 [2C]	0.25	0.10	mg/Kg	0.250		100		40-140	1.37	30
Surrogate: Decachlorobiphenyl	1.06		mg/Kg	1.00		106		30-150		
Surrogate: Decachlorobiphenyl [2C]	0.991		mg/Kg	1.00		99.1		30-150		
Surrogate: Tetrachloro-m-xylene	0.978		mg/Kg	1.00		97.8		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	1.00		mg/Kg	1.00		100		30-150		



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

C0810-02

Lab Sample ID: 14H0423-02 Date(s) Analyzed: 08/12/2014 08/12/2014

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	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.22	15.9



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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

C0810-03

SW-846 8082A

Lab Sample ID: 14H0423-03 Date(s) Analyzed: 08/12/2014 08/12/2014

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	0.00	0.00	0.13	
	2	0.00	0.00	0.00	0.12	4.9



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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

C0810-04

SW-846 8082A

Lab Sample ID: 14H0423-04 Date(s) Analyzed: 08/12/2014 08/12/2014

Date(s) Analyzed: 08/12/2014 08/12/2014

Instrument ID (1): **1234567890** Instrument ID (2): **9876543210**

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.54	
	2	0.00	0.00	0.00	0.52	4.0



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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

SW-846 8082A

C0810-25

Lab Sample ID: 14H0423-25 Date(s) Analyzed: 08/12/2014 08/12/2014

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	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.24	9.5



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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

W0810-04

SW-846 8082A

Lab Sample ID: 14H0423-29 Date(s) Analyzed: 08/12/2014 08/12/2014

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	0.00	0.00	1.5	
	2	0.00	0.00	0.00	1.4	6.2



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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

SW-846 8082A

W0810-05

Lab Sample ID: 14H0423-30 Date(s) Analyzed: 08/12/2014 08/12/2014

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	0.00	0.00	0.68	
	2	0.00	0.00	0.00	0.63	7.9



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

W0810-06

SW-846 8082A

Lab Sample ID: 14H0423-31 Date(s) Analyzed: 08/12/2014 08/12/2014

Date(s) Analyzed: 08/12/2014 08/12/2014

Instrument ID (1): **1** Instrument ID (2): **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	0.00	0.00	0.32	
	2	0.00	0.00	0.00	0.30	7.7



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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

W0810-07

SW-846 8082A

Lab Sample ID: 14H0423-32 Date(s) Analyzed: 08/12/2014 08/12/2014

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	0.00	0.00	0.32	
	2	0.00	0.00	0.00	0.27	18.2



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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

SW-846 8082A

W0810-08

Lab Sample ID: 14H0423-33 Date(s) Analyzed: 08/12/2014 08/12/2014

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	0.00	0.00	0.28	
	2	0.00	0.00	0.00	0.25	12.0



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

W0810-10

SW-846 8082A

Lab Sample ID: 14H0423-35 Date(s) Analyzed: 08/12/2014 08/12/2014

Date(s) Analyzed: 08/12/2014 08/12/2014

Instrument ID (1): **1234567890** Instrument ID (2): **9876543210**

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.38	
	2	0.00	0.00	0.00	0.37	2.9



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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

SW-846 8082A

LCS

Lab Sample ID: B102289-BS1 Date(s) Analyzed: 08/12/2014 08/12/2014

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	0.53	
	2	0.00	0.00	0.00	0.51	4
Aroclor-1260	1	0.00	0.00	0.00	0.54	
	2	0.00	0.00	0.00	0.51	6



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS Dup

SW-846 8082A

Lab Sample ID: B102289-BSD1 Date(s) Analyzed: 08/12/2014 08/12/2014

Date(s) Analyzed: 08/12/2014 08/12/2014

Instrument ID (1): **1234567890** Instrument ID (2): **9876543210**

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	0.53	
	2	0.00	0.00	0.00	0.52	3
Aroclor-1260	1	0.00	0.00	0.00	0.55	
	2	0.00	0.00	0.00	0.51	7



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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

SW-846 8082A

LCS

Lab Sample ID: B102303-BS1 Date(s) Analyzed: 08/12/2014 08/12/2014

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	0.28	
	2	0.00	0.00	0.00	0.25	11
Aroclor-1260	1	0.00	0.00	0.00	0.27	
	2	0.00	0.00	0.00	0.25	8



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS Dup

SW-846 8082A

Lab Sample ID: B102303-BSD1 Date(s) Analyzed: 08/12/2014 08/12/2014

Date(s) Analyzed: 08/12/2014 08/12/2014

Instrument ID (1): **1234567890** Instrument ID (2): **9876543210**

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	0.28	
	2	0.00	0.00	0.00	0.25	12
Aroclor-1260	1	0.00	0.00	0.00	0.27	
	2	0.00	0.00	0.00	0.25	8



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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

SW-846 8082A

LCS

Lab Sample ID: B102306-BS1 Date(s) Analyzed: 08/12/2014 08/12/2014

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	0.27	
	2	0.00	0.00	0.00	0.25	7
Aroclor-1260	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.25	4



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS Dup

SW-846 8082A

Lab Sample ID: B102306-BSD1 Date(s) Analyzed: 08/12/2014 08/12/2014

Date(s) Analyzed: 08/12/2014 08/12/2014

Instrument ID (1): **1234567890** Instrument ID (2): **9876543210**

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	0.27	
	2	0.00	0.00	0.00	0.25	9
Aroclor-1260	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.25	5



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FLAG/QUALIFIER SUMMARY

* QC result is outside of established limits.

† Wide recovery limits established for difficult compound.

‡ Wide RPD limits established for difficult compound.

Data exceeded client recommended or regulatory level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

O-03 Sample contains two incompletely resolved aroclors. Aroclor with the closest matching pattern is reported.

O-27 Elevated reporting limit due to sample matrix interference. Multiple extract clean-up procedures were performed on this sample, but they did not sufficiently remove the interference to meet the requested reporting limit.

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.



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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Product/Solid	
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	06/30/2015
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2015
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2015
RI	Rhode Island Department of Health	LAO00112	12/30/2014
NC	North Carolina Div. of Water Quality	652	12/31/2014
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2015
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2014
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2014



CHAIN OF CUSTODY RECORD

39 Spruce Street
East longmeadow, MA 01028

Page 1 of 4

Company Name: AMC Environmental		Telephone: 203-378-5020	
Address: P.O. Box 423		Project # _____	
Attention: Jason Pringle		Client PO# _____	
Project Location: Osborn School		DATA DELIVERY (check all that apply)	
Sampled By: B. Graham		<input type="checkbox"/> FAX	<input checked="" type="checkbox"/> EMAIL
		<input type="checkbox"/> Fax # _____	<input type="checkbox"/> WEBSITE _____
Project Proposal Provided? (for billing purposes)		<input type="checkbox"/> Format: PDF	<input type="checkbox"/> EXCEL
<input type="radio"/> yes <input type="radio"/> no proposal date _____		<input type="checkbox"/> OTHER	<input type="checkbox"/> "Enhanced Data Package"
Con-Test Lab ID		Client Sample ID / Description	
COS10-01		Main Hallway Concrete	
COS10-02		Slab	
COS10-03			
COS10-04			
COS10-05			
COS10-06			
COS10-07			
COS10-08			
COS10-09			
COS10-10			
Comments:			
Relinquished by: (signature) _____		Date/Time: 8/11/14	Tumaround ^{††}
Received by: (signature) _____		<input type="checkbox"/> 7-Day	Detection Limit Requirements
Relinquished by: (signature) _____		<input type="checkbox"/> 10-Day	Is your project MCP or RCP?
Received by: (signature) _____		<input checked="" type="checkbox"/> Other _____	<input type="checkbox"/> MCP Form Required
		RUSH [†]	<input type="checkbox"/> RCP Form Required
		Date/Time: □ 124-Hr <input checked="" type="checkbox"/> 48-Hr	<input type="checkbox"/> MA State DW Form Required
		□ 72-Hr <input type="checkbox"/> 14-Day	PWSID# _____
		Require lab approval	Other: _____
		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	
		*****Cont. Code: A=amber glass G=glass P=plastic ST=sterile V=vial S=summary can T=telder bag O=Other	
		**Preservation: I = Iced H = HCl M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium bisulfate X = Na hydroxide T = Na thiosulfate O = Other	
		*Matrix Code: GW=groundwater WW=wastewater DW=drinking water A = air S = soil/solid SL = sludge O = other	

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

**TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS
IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT**

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT



CHAIN OF CUSTODY RECORD

39 Spruce Street
East longmeadow, MA 01022

Page 2 of 4

TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONNAIRES INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

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

CHAIN OF CUSTODY RECORD

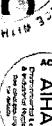
39 Spruce Street
East Longmeadow, MA 01028

Page 3 of 4

Company Name: AMC Environmental		Address: P.O. Box 423 Stratford, CT 06615	Telephone: 203-378-5020	Project #: 14H0423	ANALYSIS REQUESTED	# of Containers					
Attention: Jason Pringle		Project Location: Osborn School	Client PO#:			**Preservation					
Sampled By: B Graham		DATA DELIVERY (check all that apply)	Format:			***Container Code					
Project Proposal Provided? (for billing purposes) <input type="radio"/> yes _____ proposal date		<input type="checkbox"/> FAX <input type="checkbox"/> EMAIL <input type="checkbox"/> WEBSITE	<input type="checkbox"/> PDF <input type="checkbox"/> EXCEL <input type="checkbox"/> GIS <input type="checkbox"/> OTHER			Dissolved Metals <input type="checkbox"/> Field Filtered <input type="checkbox"/> Lab to Filter					
Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection	Beginning Date/Time	Ending Date/Time	Composite	*Matrix Code	Grab Code	Code Bag	Soxhlet	8082A	**Cont. Code:
C0810-21-21	Main Hallway Concrete	Soxhlet	8/10/14								A=amber glass
C0810-22-22	Slab	Soxhlet									G=glass
C0810-23-23		Soxhlet									P=plastic
C0810-24-24		Soxhlet									ST=sterile
C0810-25-25		Soxhlet									V=vial
W0810-01-26	Main Hallway Poly	Soxhlet									S=summary can
W0810-02-27		Soxhlet									T=tedlar bag
W0810-03-28	Main Hallway Metal	Soxhlet									O=Other
W0810-04-29	Behind Love Base	Soxhlet									
W0810-05-30		Soxhlet									
Comments:											
<p>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</p>											
Relinquished by: (signature) 0830 4/11/14		Turnaround ^{††}	Detection Limit Requirements		Is your project MCP or RCP ?						
Received by: (signature) 0830 8/11/14		Massachusetts: _____			<input type="radio"/> MCP Form Required <input type="radio"/> RCP Form Required <input type="radio"/> MA State DW Form Required PWSID# _____						
Refurbished by: (signature)		Date/Time: <input type="checkbox"/> Other _____	Connecticut: <1PPM		*Matrix Code: GW=groundwater WW=wastewater DW=drinking water A = air S = soil/solid SL = sludge O = other _____						
Received by: (signature)		Date/Time: <input type="checkbox"/> 124-Hr <input type="checkbox"/> 148-Hr <input type="checkbox"/> 72-Hr <input type="checkbox"/> 4-Day	Connecticut: <1PPM								
<small>[†] Require lab approval</small>											

† 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



NELAC & AIHA Certified

WBE/DBE Certified

con-test
ANALYTICAL LABORATORY

Phone: 413-525-2332

CHAIN OF CUSTODY RECORD

39 Spruce Street
East longmeadow, MA 01028

Page 4 of 4

Company Name: AMC Environmental		Telephone: 203-378-5020																									
Address: P.O. Box 423 Stratford, CT 06615		Project #																									
Attention: Jason Pringle		Client PO#																									
Project Location: Osborn School		DATA DELIVERY (check all that apply)																									
Sampled By: B. Graham		<input type="checkbox"/> FAX	<input checked="" type="checkbox"/> EMAIL																								
Project Proposal Provided? (for billing purposes) <input type="radio"/> yes <input type="radio"/> no proposal date		<input type="checkbox"/> WEBSITE																									
		Email: results@amcenviro.com																									
		Format: <input checked="" type="radio"/> PDF <input type="radio"/> EXCEL <input type="radio"/> OGIS <input type="radio"/> OTHER <input type="radio"/> "Enhanced Data Package"																									
Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection																									
W0810-06-31	Main Hallway Behind Cove Base	Beginning Date/Time	Ending Date/Time																								
W0810-07-32		Composite	Grab																								
W0810-08-33		Code	Matrix																								
W0810-09-34		Gum Code	Sample																								
W0810-10-35			Soxhlet																								
			8082A																								
<table border="1"> <thead> <tr> <th>Comments:</th> <th colspan="3">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</th> </tr> </thead> <tbody> <tr> <td>Relinquished by: (signature)</td> <td>Date/Time: 0830 8/11/14</td> <td>L Turnaround</td> <td>Detection Limit Requirements</td> </tr> <tr> <td>Received by: (signature)</td> <td>Date/Time: 0830 8/11/14</td> <td>7-Day</td> <td>Massachusetts:</td> </tr> <tr> <td>Retained by: (signature)</td> <td>Date/Time: RUSH[†]</td> <td>10-Day Other</td> <td>Connecticut: <1PPM</td> </tr> <tr> <td>Received by: (signature)</td> <td>Date/Time: 124-Hr <input checked="" type="checkbox"/> 48-Hr □ 72-Hr <input type="checkbox"/> 4-Day</td> <td>Other:</td> <td></td> </tr> <tr> <td colspan="4">Require lab approval</td> </tr> </tbody> </table>				Comments:	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			Relinquished by: (signature)	Date/Time: 0830 8/11/14	L Turnaround	Detection Limit Requirements	Received by: (signature)	Date/Time: 0830 8/11/14	7-Day	Massachusetts:	Retained by: (signature)	Date/Time: RUSH [†]	10-Day Other	Connecticut: <1PPM	Received by: (signature)	Date/Time: 124-Hr <input checked="" type="checkbox"/> 48-Hr □ 72-Hr <input type="checkbox"/> 4-Day	Other:		Require lab approval			
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Require lab approval																											
<p align="center">ANALYSIS REQUESTED</p> <p align="center">Is your project MCP or RCP?</p> <p align="center"> <input type="radio"/> MCP Form Required <input type="radio"/> RCP Form Required <input type="radio"/> MA State DW Form Required PWSID: _____ <input type="radio"/> Other: _____ </p> <p align="center"> *Matrix Code: GW=groundwater WW=wastewater DW=drinking water A = air S = soil/solid SL = sludge O = other: _____ </p>																											

**TT TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS
IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT**

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East Longmeadow, MA. 01028
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www.contestlabs.com



Page 1 of 2



Sample Receipt Checklist

CLIENT NAME: AMCRECEIVED BY: CFCDATE: 8/11/14

- 1) Was the chain(s) of custody relinquished and signed? Yes No No CoC Included
- 2) Does the chain agree with the samples?
If not, explain:
- 3) Are all the samples in good condition?
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 5.8°

- 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: 19

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	<u>35</u>
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 _____	Time and Date Frozen:
Doc# 277	# Bisulfate _____	# DI Water _____	
Rev. 4 August 2013	# Thiosulfate _____	Unpreserved	

Page 2 of 2

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>
	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.	T	
4) Cooler Temperature is acceptable.	T	
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.	NA	
17) No headspace sample bottles are completely filled.	NA	
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:

CEC

8/11/14

0830



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

August 16, 2014

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: 14H0616

Enclosed are results of analyses for samples received by the laboratory on August 14, 2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Lisa A. Worthington". The signature is fluid and cursive, with "Lisa" on the first line and "A. Worthington" on the second line.

Lisa A. Worthington
Project Manager

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

REPORT DATE: 8/16/2014

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 14H0616

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
W0813-01	14H0616-01	Wipe		SW-846 8082A	
W0813-2	14H0616-02	Wipe		SW-846 8082A	
C0813-41	14H0616-03	Concrete		SW-846 8082A	
C0813-42	14H0616-04	Concrete		SW-846 8082A	
W0813-03	14H0616-05	Wipe		SW-846 8082A	
W0813-04	14H0616-06	Wipe		SW-846 8082A	
C0813-43	14H0616-07	Concrete		SW-846 8082A	
C0813-44	14H0616-08	Concrete		SW-846 8082A	



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CASE NARRATIVE SUMMARY

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

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 "Daren J. Damboragian".

Daren J. Damboragian
Laboratory Manager



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

Project Location: Osborn School

Sample Description:

Work Order: 14H0616

Date Received: 8/14/2014

Field Sample #: W0813-01

Sampled: 8/13/2014 00:00

Sample ID: 14H0616-01

Sample Matrix: Wipe

Polychlorinated 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	µg/Wipe	1		SW-846 8082A	8/14/14	8/15/14 21:18	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/14/14	8/15/14 21:18	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/14/14	8/15/14 21:18	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/14/14	8/15/14 21:18	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/14/14	8/15/14 21:18	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/14/14	8/15/14 21:18	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/14/14	8/15/14 21:18	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/14/14	8/15/14 21:18	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/14/14	8/15/14 21:18	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	82.9	30-150							8/15/14 21:18
Decachlorobiphenyl [2]	80.7	30-150							8/15/14 21:18
Tetrachloro-m-xylene [1]	75.4	30-150							8/15/14 21:18
Tetrachloro-m-xylene [2]	75.2	30-150							8/15/14 21:18



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Project Location: Osborn School

Sample Description:

Work Order: 14H0616

Date Received: 8/14/2014

Field Sample #: W0813-2

Sampled: 8/13/2014 00:00

Sample ID: 14H0616-02

Sample Matrix: Wipe

Polychlorinated 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	µg/Wipe	1		SW-846 8082A	8/14/14	8/15/14 21:31	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/14/14	8/15/14 21:31	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/14/14	8/15/14 21:31	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/14/14	8/15/14 21:31	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/14/14	8/15/14 21:31	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/14/14	8/15/14 21:31	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/14/14	8/15/14 21:31	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/14/14	8/15/14 21:31	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/14/14	8/15/14 21:31	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	95.6	30-150							8/15/14 21:31
Decachlorobiphenyl [2]	94.7	30-150							8/15/14 21:31
Tetrachloro-m-xylene [1]	85.1	30-150							8/15/14 21:31
Tetrachloro-m-xylene [2]	86.0	30-150							8/15/14 21:31



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Project Location: Osborn School

Sample Description:

Work Order: 14H0616

Date Received: 8/14/2014

Sampled: 8/13/2014 00:00

Field Sample #: C0813-41

Sample ID: 14H0616-03

Sample Matrix: Concrete

Polychlorinated 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	1		SW-846 8082A	8/14/14	8/15/14 16:43	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 16:43	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 16:43	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 16:43	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 16:43	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 16:43	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 16:43	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 16:43	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 16:43	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	94.1	30-150							8/15/14 16:43
Decachlorobiphenyl [2]	94.4	30-150							8/15/14 16:43
Tetrachloro-m-xylene [1]	88.5	30-150							8/15/14 16:43
Tetrachloro-m-xylene [2]	97.1	30-150							8/15/14 16:43



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Project Location: Osborn School

Sample Description:

Work Order: 14H0616

Date Received: 8/14/2014

Field Sample #: C0813-42

Sampled: 8/13/2014 00:00

Sample ID: 14H0616-04

Sample Matrix: Concrete

Polychlorinated 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	8/14/14	8/15/14 16:55	KAL
Aroclor-1221 [1]	ND	0.20	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 16:55	KAL
Aroclor-1232 [1]	ND	0.20	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 16:55	KAL
Aroclor-1242 [1]	ND	0.20	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 16:55	KAL
Aroclor-1248 [1]	ND	0.20	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 16:55	KAL
Aroclor-1254 [1]	ND	0.20	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 16:55	KAL
Aroclor-1260 [1]	ND	0.20	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 16:55	KAL
Aroclor-1262 [1]	ND	0.20	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 16:55	KAL
Aroclor-1268 [1]	ND	0.20	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 16:55	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	97.5	30-150							8/15/14 16:55
Decachlorobiphenyl [2]	93.4	30-150							8/15/14 16:55
Tetrachloro-m-xylene [1]	90.8	30-150							8/15/14 16:55
Tetrachloro-m-xylene [2]	98.9	30-150							8/15/14 16:55



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Project Location: Osborn School

Sample Description:

Work Order: 14H0616

Date Received: 8/14/2014

Sampled: 8/13/2014 00:00

Field Sample #: W0813-03

Sample ID: 14H0616-05

Sample Matrix: Wipe

Polychlorinated 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	µg/Wipe	1		SW-846 8082A	8/14/14	8/15/14 21:44	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/14/14	8/15/14 21:44	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/14/14	8/15/14 21:44	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/14/14	8/15/14 21:44	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/14/14	8/15/14 21:44	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/14/14	8/15/14 21:44	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/14/14	8/15/14 21:44	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/14/14	8/15/14 21:44	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/14/14	8/15/14 21:44	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	92.2	30-150							8/15/14 21:44
Decachlorobiphenyl [2]	90.5	30-150							8/15/14 21:44
Tetrachloro-m-xylene [1]	80.3	30-150							8/15/14 21:44
Tetrachloro-m-xylene [2]	80.7	30-150							8/15/14 21:44



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

Project Location: Osborn School

Sample Description:

Work Order: 14H0616

Date Received: 8/14/2014

Field Sample #: W0813-04

Sampled: 8/13/2014 00:00

Sample ID: 14H0616-06

Sample Matrix: Wipe

Polychlorinated 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	µg/Wipe	1		SW-846 8082A	8/14/14	8/15/14 21:57	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/14/14	8/15/14 21:57	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/14/14	8/15/14 21:57	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/14/14	8/15/14 21:57	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/14/14	8/15/14 21:57	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/14/14	8/15/14 21:57	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/14/14	8/15/14 21:57	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/14/14	8/15/14 21:57	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/14/14	8/15/14 21:57	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	86.7	30-150							8/15/14 21:57
Decachlorobiphenyl [2]	85.8	30-150							8/15/14 21:57
Tetrachloro-m-xylene [1]	81.0	30-150							8/15/14 21:57
Tetrachloro-m-xylene [2]	80.6	30-150							8/15/14 21:57



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

Project Location: Osborn School

Sample Description:

Work Order: 14H0616

Date Received: 8/14/2014

Sampled: 8/13/2014 00:00

Field Sample #: C0813-43

Sample ID: 14H0616-07

Sample Matrix: Concrete

Polychlorinated 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	1		SW-846 8082A	8/14/14	8/15/14 17:08	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:08	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:08	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:08	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:08	KAL
Aroclor-1254 [2]	0.60	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:08	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:08	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:08	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:08	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	87.3	30-150							8/15/14 17:08
Decachlorobiphenyl [2]	86.4	30-150							8/15/14 17:08
Tetrachloro-m-xylene [1]	84.0	30-150							8/15/14 17:08
Tetrachloro-m-xylene [2]	93.6	30-150							8/15/14 17:08



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Project Location: Osborn School

Sample Description:

Work Order: 14H0616

Date Received: 8/14/2014

Sampled: 8/13/2014 00:00

Field Sample #: C0813-44

Sample ID: 14H0616-08

Sample Matrix: Concrete

Polychlorinated 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	8/14/14	8/15/14 17:20	KAL
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:20	KAL
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:20	KAL
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:20	KAL
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:20	KAL
Aroclor-1254 [1]	0.86	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:20	KAL
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:20	KAL
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:20	KAL
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/14/14	8/15/14 17:20	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	87.6	30-150							8/15/14 17:20
Decachlorobiphenyl [2]	87.1	30-150							8/15/14 17:20
Tetrachloro-m-xylene [1]	82.8	30-150							8/15/14 17:20
Tetrachloro-m-xylene [2]	92.1	30-150							8/15/14 17:20



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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
14H0616-03 [C0813-41]	B102643	2.01	10.0	08/14/14
14H0616-04 [C0813-42]	B102643	1.00	10.0	08/14/14
14H0616-07 [C0813-43]	B102643	2.01	10.0	08/14/14
14H0616-08 [C0813-44]	B102643	2.03	10.0	08/14/14

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

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
14H0616-01 [W0813-01]	B102674	1.00	10.0	08/14/14
14H0616-02 [W0813-2]	B102674	1.00	10.0	08/14/14
14H0616-05 [W0813-03]	B102674	1.00	10.0	08/14/14
14H0616-06 [W0813-04]	B102674	1.00	10.0	08/14/14



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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	RPD Limit	Notes
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Batch B102643 - SW-846 3540C

Blank (B102643-BLK1)

Prepared: 08/14/14 Analyzed: 08/15/14

Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	0.890		mg/Kg	1.00		89.0		30-150		
Surrogate: Decachlorobiphenyl [2C]	0.881		mg/Kg	1.00		88.1		30-150		
Surrogate: Tetrachloro-m-xylene	0.865		mg/Kg	1.00		86.5		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.929		mg/Kg	1.00		92.9		30-150		

LCS (B102643-BS1)

Prepared: 08/14/14 Analyzed: 08/15/14

Aroclor-1016	0.27	0.10	mg/Kg	0.250		107		40-140		
Aroclor-1016 [2C]	0.26	0.10	mg/Kg	0.250		104		40-140		
Aroclor-1260	0.24	0.10	mg/Kg	0.250		94.8		40-140		
Aroclor-1260 [2C]	0.25	0.10	mg/Kg	0.250		99.3		40-140		
Surrogate: Decachlorobiphenyl	0.949		mg/Kg	1.00		94.9		30-150		
Surrogate: Decachlorobiphenyl [2C]	0.944		mg/Kg	1.00		94.4		30-150		
Surrogate: Tetrachloro-m-xylene	0.892		mg/Kg	1.00		89.2		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.985		mg/Kg	1.00		98.5		30-150		

LCS Dup (B102643-BSD1)

Prepared: 08/14/14 Analyzed: 08/15/14

Aroclor-1016	0.28	0.10	mg/Kg	0.250		112		40-140	4.19	30
Aroclor-1016 [2C]	0.28	0.10	mg/Kg	0.250		111		40-140	6.66	30
Aroclor-1260	0.24	0.10	mg/Kg	0.250		95.7		40-140	0.896	30
Aroclor-1260 [2C]	0.26	0.10	mg/Kg	0.250		105		40-140	5.73	30
Surrogate: Decachlorobiphenyl	0.923		mg/Kg	1.00		92.3		30-150		
Surrogate: Decachlorobiphenyl [2C]	0.963		mg/Kg	1.00		96.3		30-150		
Surrogate: Tetrachloro-m-xylene	0.939		mg/Kg	1.00		93.9		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	1.03		mg/Kg	1.00		103		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	RPD Limit	Notes
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Batch B102674 - SW-846 3540C

Blank (B102674-BLK1)

Prepared: 08/14/14 Analyzed: 08/15/14

Aroclor-1016	ND	0.20	µg/Wipe							
Aroclor-1016 [2C]	ND	0.20	µg/Wipe							
Aroclor-1221	ND	0.20	µg/Wipe							
Aroclor-1221 [2C]	ND	0.20	µg/Wipe							
Aroclor-1232	ND	0.20	µg/Wipe							
Aroclor-1232 [2C]	ND	0.20	µg/Wipe							
Aroclor-1242	ND	0.20	µg/Wipe							
Aroclor-1242 [2C]	ND	0.20	µg/Wipe							
Aroclor-1248	ND	0.20	µg/Wipe							
Aroclor-1248 [2C]	ND	0.20	µg/Wipe							
Aroclor-1254	ND	0.20	µg/Wipe							
Aroclor-1254 [2C]	ND	0.20	µg/Wipe							
Aroclor-1260	ND	0.20	µg/Wipe							
Aroclor-1260 [2C]	ND	0.20	µg/Wipe							
Aroclor-1262	ND	0.20	µg/Wipe							
Aroclor-1262 [2C]	ND	0.20	µg/Wipe							
Aroclor-1268	ND	0.20	µg/Wipe							
Aroclor-1268 [2C]	ND	0.20	µg/Wipe							
Surrogate: Decachlorobiphenyl	1.79		µg/Wipe	2.00		89.6		30-150		
Surrogate: Decachlorobiphenyl [2C]	1.81		µg/Wipe	2.00		90.3		30-150		
Surrogate: Tetrachloro-m-xylene	1.77		µg/Wipe	2.00		88.5		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	1.75		µg/Wipe	2.00		87.6		30-150		

LCS (B102674-BS1)

Prepared: 08/14/14 Analyzed: 08/15/14

Aroclor-1016	0.51	0.20	µg/Wipe	0.500		102		40-140		
Aroclor-1016 [2C]	0.43	0.20	µg/Wipe	0.500		85.5		40-140		
Aroclor-1260	0.44	0.20	µg/Wipe	0.500		88.3		40-140		
Aroclor-1260 [2C]	0.43	0.20	µg/Wipe	0.500		86.0		40-140		
Surrogate: Decachlorobiphenyl	1.73		µg/Wipe	2.00		86.5		30-150		
Surrogate: Decachlorobiphenyl [2C]	1.73		µg/Wipe	2.00		86.6		30-150		
Surrogate: Tetrachloro-m-xylene	1.65		µg/Wipe	2.00		82.6		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	1.67		µg/Wipe	2.00		83.6		30-150		

LCS Dup (B102674-BSD1)

Prepared: 08/14/14 Analyzed: 08/15/14

Aroclor-1016	0.53	0.20	µg/Wipe	0.500		106		40-140	3.92	30
Aroclor-1016 [2C]	0.42	0.20	µg/Wipe	0.500		85.0		40-140	0.641	30
Aroclor-1260	0.43	0.20	µg/Wipe	0.500		86.4		40-140	2.12	30
Aroclor-1260 [2C]	0.42	0.20	µg/Wipe	0.500		84.6		40-140	1.60	30
Surrogate: Decachlorobiphenyl	1.59		µg/Wipe	2.00		79.6		30-150		
Surrogate: Decachlorobiphenyl [2C]	1.62		µg/Wipe	2.00		81.0		30-150		
Surrogate: Tetrachloro-m-xylene	1.53		µg/Wipe	2.00		76.5		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	1.52		µg/Wipe	2.00		76.2		30-150		



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

C0813-43

Lab Sample ID: 14H0616-07 Date(s) Analyzed: 08/15/2014 08/15/2014

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	0.00	0.00	0.58	
	2	0.00	0.00	0.00	0.60	3.4



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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

SW-846 8082A

C0813-44

Lab Sample ID: 14H0616-08 Date(s) Analyzed: 08/15/2014 08/15/2014

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	0.00	0.00	0.86	
	2	0.00	0.00	0.00	0.86	0.5



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS

SW-846 8082A

Lab Sample ID: B102643-BS1 Date(s) Analyzed: 08/15/2014 08/15/2014

Date(s) Analyzed: 08/15/2014 08/15/2014

Instrument ID (1): **1** Instrument ID (2): **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	0.27	
	2	0.00	0.00	0.00	0.26	3
Aroclor-1260	1	0.00	0.00	0.00	0.24	
	2	0.00	0.00	0.00	0.25	5



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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

SW-846 8082A

Lab Sample ID: B102643-BSD1 Date(s) Analyzed: 08/15/2014 08/15/2014

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	0.28	
	2	0.00	0.00	0.00	0.28	0
Aroclor-1260	1	0.00	0.00	0.00	0.24	
	2	0.00	0.00	0.00	0.26	8



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS

SW-846 8082A

Lab Sample ID: B102674-BS1 Date(s) Analyzed: 08/15/2014 08/15/2014

Date(s) Analyzed: 08/15/2014 08/15/2014

Instrument ID (1): **1** Instrument ID (2): **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	0.51	
	2	0.00	0.00	0.00	0.43	17
Aroclor-1260	1	0.00	0.00	0.00	0.44	
	2	0.00	0.00	0.00	0.43	3



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS Dup

SW-846 8082A

Lab Sample ID: B102674-BSD1 Date(s) Analyzed: 08/15/2014 08/15/2014

Date(s) Analyzed: 08/15/2014 08/15/2014

Instrument ID (1): **1** Instrument ID (2): **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	0.53	
	2	0.00	0.00	0.00	0.42	23
Aroclor-1260	1	0.00	0.00	0.00	0.43	
	2	0.00	0.00	0.00	0.42	3



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FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
- † Wide recovery limits established for difficult compound.
- ‡ Wide RPD limits established for difficult compound.
- # Data exceeded client recommended or regulatory level

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.



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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	06/30/2015
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2015
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2015
RI	Rhode Island Department of Health	LAO00112	12/30/2014
NC	North Carolina Div. of Water Quality	652	12/31/2014
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2015
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2014
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2014



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CHAIN OF CUSTODY RECORD

39 Spruce Street
East longmeadow, MA 01028

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**TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS
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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CHAIN OF CUSTODY RECORD

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East Longmeadow, MA 01028

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Company Name: AMC Environmental		Address: P.O. Box 423 Stratford, CT 06615		Telephone: 203-378-5020	Project #	DATA DELIVERY (check all that apply)	
Attention: Jason Pringle		Project Location: Osborn School		Client PO#	<input type="radio"/> FAX <input type="radio"/> EMAIL <input type="radio"/> WEBSITE		
Sampled By: B. Graham				Email:	results@amcenviron.com		
Project Proposal Provided? (for billing purposes) <input type="radio"/> yes _____ proposal date				Format:	<input type="radio"/> PDF <input type="radio"/> EXCEL <input type="radio"/> GIS <input type="radio"/> OTHER		
				Collection	Soxhlet 8082A		
Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix	Conc Code
03 CO813 - 41	Hallway 9/5/19 CMU	8/13/14		✓		✓	
04 CO813 - 42	CMU - M	8/13/14		✓		✓	
05 X/0813-03	Poly	8/13/14		✓		✓	
06 W/0813-04	Poly	8/13/14		✓		✓	
07 CO813 - 43	Gym Office CMU	8/13/14		✓		✓	
08 CO813 - 44	Gym Office CMU	8/13/14		✓		✓	
Comments:							
<p>Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:</p> <p>H - High; M - Medium; L - Low; C - Clear; U - Unknown</p>							
Relinquished by: (signature)	Date/Time:	Turnaround[†]	Detection Limit Requirements	Is your project MCP or RCP?			
<i>[Signature]</i>	<input type="checkbox"/> 7-Day	Massachusetts:		<input type="radio"/> MCP Form Required	<input type="radio"/> RCP Form Required	<input type="radio"/> MA State DW Form Required	PWSID # _____
Received by: (signature)	Date/Time:	<input type="checkbox"/> 10-Day		<input type="radio"/> Other _____	<input type="checkbox"/> Connecticut <1PPM	<input type="checkbox"/> DW = drinking water	A = air
Relinquished by: (signature)	Date/Time:	<input checked="" type="checkbox"/> RUSH [†]		<input type="checkbox"/> 124-Hr <input type="checkbox"/> 48-Hr	<input type="checkbox"/> 12-Hr <input type="checkbox"/> 4-Day	<input type="checkbox"/> S = soil/solid	SL = sludge
Received by: (signature)	Date/Time:	<input type="checkbox"/> Other		<input type="checkbox"/> Other	<input type="checkbox"/> Other	<input type="checkbox"/> Other	O = other _____
<p>[†] 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.</p> <p>PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT</p>							


780124462359

 Last update
Wed 8/13/2014 5:09 pm

CHA - US


Delivered
(See add for full delivery history)

 Actual delivery
Thur 8/14/2014 9:36 am

MA - US

3 Piece shipment

Let us tell you when your shipment arrives. Sign up for delivery notifications

Travel History

Date/Time	Activity	Location
8/14/2014	Thursday	
9:36 am	Delivered	MA
8:09 am	On FedEx x vehicle for delivery	WINDSOR LOGIC, CT
7:49 am	At local FedEx facility	WINDSOR LOGIC, CT
6:03 am	At destination sort facility	EAST GRAND RAPIDS, MI
4:27 am	Departed FedEx location	INDIANAPOLIS, IN
12:18 am	Arrived at FedEx location	INDIANAPOLIS, IN
8/13/2014	Wednesday	
9:43 pm	Left FedEx origin facility	PINEVILLE, NC
5:09 pm	Picked up	CHARLOTTE, NC

Local Scan Time

Shipment Facts

Tracking number	780124462359	Service	FedEx Priority Overnight
Master tracking number	805046206226	Dimensions	26x14x15 in
Delivered To	Receptionist/Front Desk	Total pieces	3
Total shipment weight	98 lbs / 44.45 kgs	Packaging	Your Packaging
Special handling section	Deliver Weeklyday		

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



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Sample Receipt Checklist

CLIENT NAME: AMC Environmental

RECEIVED BY: (initials)

DATE: 8.14.14

- 1) Was the chain(s) of custody relinquished and signed? Yes No No CoC Included
- 2) Does the chain agree with the samples?
If not, explain: _____
- 3) Are all the samples in good condition?
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 _____ 3.5°

- 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:
- 19

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	80
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 _____ Time and Date Frozen:

Doc# 277

Bisulfate _____ # DI Water _____

Rev. 4 August 2013

Thiosulfate _____ Unpreserved

Page 2 of 2
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>
	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.	T	
4) Cooler Temperature is acceptable.	T	
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.	T	
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: CC

Date/Time:

Date/Time: 8.14.14 0936



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

August 11, 2014

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: 14H0404

Enclosed are results of analyses for samples received by the laboratory on August 9, 2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Lisa A. Worthington". The signature is fluid and cursive, with "Lisa" on the first line and "A. Worthington" on the second line.

Lisa A. Worthington
Project Manager

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

REPORT DATE: 8/11/2014

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 14H0404

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
C0809-01	14H0404-01	Product/Solid	Hallway O/S 119 Slab	SW-846 8082A	
C0809-02	14H0404-02	Product/Solid	Hallway O/S 119 Slab	SW-846 8082A	
C0809-03	14H0404-03	Product/Solid	Hallway O/S 119 Slab	SW-846 8082A	
C0809-04	14H0404-04	Product/Solid	Hallway O/S 119 Slab	SW-846 8082A	
C0809-05	14H0404-05	Product/Solid	Hallway O/S 119 CMU	SW-846 8082A	
C0809-06	14H0404-06	Product/Solid	Hallway O/S 119 CMU-M	SW-846 8082A	
C0809-07	14H0404-07	Caulk	Doorframe O/S 119 Caulk	SW-846 8082A	
W0809-01	14H0404-08	Wipe	Hallway O/S 119 Poly Wall	SW-846 8082A	
W0809-02	14H0404-09	Wipe	Hallway O/S 119 Poly Wall	SW-846 8082A	
W0809-03	14H0404-10	Product/Solid	Dumster Waste Sample	SW-846 8082A	



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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:

S-12

Surrogate recovery is outside of control limits on confirmatory column, but within control limits on primary column. Data validation is not affected.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl

14H0404-03[C0809-03]

Decachlorobiphenyl [2C]

14H0404-03[C0809-03], 14H0404-04[C0809-04]

Tetrachloro-m-xylene [2C]

14H0404-03[C0809-03], 14H0404-04[C0809-04], 14H0404-01[C0809-01]

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 "Daren J. Damboragian".

Daren J. Damboragian
Laboratory Manager



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

Project Location: Osborn School

Sample Description: Hallway O/S 119 Slab

Work Order: 14H0404

Date Received: 8/9/2014

Field Sample #: C0809-01

Sampled: 8/9/2014 00:00

Sample ID: 14H0404-01

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	0.10	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 12:26	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 12:26	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 12:26	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 12:26	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 12:26	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 12:26	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 12:26	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 12:26	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 12:26	MJC
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	32.9	30-150					8/10/14 12:26		
Decachlorobiphenyl [2]	30.3	30-150					8/10/14 12:26		
Tetrachloro-m-xylene [1]	32.1	30-150					8/10/14 12:26		
Tetrachloro-m-xylene [2]	26.6 * 	30-150		S-12			8/10/14 12:26		



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Project Location: Osborn School

Sample Description: Hallway O/S 119 Slab

Work Order: 14H0404

Date Received: 8/9/2014

Field Sample #: C0809-02

Sampled: 8/9/2014 00:00

Sample ID: 14H0404-02

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 12:38	MJC
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 12:38	MJC
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 12:38	MJC
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 12:38	MJC
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 12:38	MJC
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 12:38	MJC
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 12:38	MJC
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 12:38	MJC
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 12:38	MJC
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	87.4	30-150							8/10/14 12:38
Decachlorobiphenyl [2]	79.7	30-150							8/10/14 12:38
Tetrachloro-m-xylene [1]	78.6	30-150							8/10/14 12:38
Tetrachloro-m-xylene [2]	63.3	30-150							8/10/14 12:38



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Project Location: Osborn School

Sample Description: Hallway O/S 119 Slab

Work Order: 14H0404

Date Received: 8/9/2014

Field Sample #: C0809-03

Sampled: 8/9/2014 00:00

Sample ID: 14H0404-03

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 [2]	ND	0.10	mg/Kg	1		SW-846 8082A	8/9/14	8/11/14 10:40	MJC
Aroclor-1221 [2]	ND	0.10	mg/Kg	1		SW-846 8082A	8/9/14	8/11/14 10:40	MJC
Aroclor-1232 [2]	ND	0.10	mg/Kg	1		SW-846 8082A	8/9/14	8/11/14 10:40	MJC
Aroclor-1242 [2]	ND	0.10	mg/Kg	1		SW-846 8082A	8/9/14	8/11/14 10:40	MJC
Aroclor-1248 [2]	ND	0.10	mg/Kg	1		SW-846 8082A	8/9/14	8/11/14 10:40	MJC
Aroclor-1254 [2]	ND	0.10	mg/Kg	1		SW-846 8082A	8/9/14	8/11/14 10:40	MJC
Aroclor-1260 [2]	ND	0.10	mg/Kg	1		SW-846 8082A	8/9/14	8/11/14 10:40	MJC
Aroclor-1262 [2]	ND	0.10	mg/Kg	1		SW-846 8082A	8/9/14	8/11/14 10:40	MJC
Aroclor-1268 [2]	ND	0.10	mg/Kg	1		SW-846 8082A	8/9/14	8/11/14 10:40	MJC
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	27.1 *	30-150		S-12			8/11/14 10:40		
Decachlorobiphenyl [2]	35.1	30-150					8/11/14 10:40		
Tetrachloro-m-xylene [1]	33.4	30-150					8/11/14 10:40		
Tetrachloro-m-xylene [2]	36.1	30-150					8/11/14 10:40		



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Project Location: Osborn School

Sample Description: Hallway O/S 119 Slab

Work Order: 14H0404

Date Received: 8/9/2014

Field Sample #: C0809-04

Sampled: 8/9/2014 00:00

Sample ID: 14H0404-04

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	8/9/14	8/10/14 13:03	MJC
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 13:03	MJC
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 13:03	MJC
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 13:03	MJC
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 13:03	MJC
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 13:03	MJC
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 13:03	MJC
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 13:03	MJC
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 13:03	MJC
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	31.5	30-150							8/10/14 13:03
Decachlorobiphenyl [2]	28.9 *	30-150		S-12					8/10/14 13:03
Tetrachloro-m-xylene [1]	30.3	30-150							8/10/14 13:03
Tetrachloro-m-xylene [2]	25.2 *	30-150		S-12					8/10/14 13:03



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

Project Location: Osborn School

Sample Description: Hallway O/S 119 CMU

Work Order: 14H0404

Date Received: 8/9/2014

Field Sample #: C0809-05

Sampled: 8/9/2014 00:00

Sample ID: 14H0404-05

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	0.10	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 13:15	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 13:15	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 13:15	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 13:15	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 13:15	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 13:15	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 13:15	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 13:15	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 13:15	MJC
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	54.0	30-150							8/10/14 13:15
Decachlorobiphenyl [2]	49.3	30-150							8/10/14 13:15
Tetrachloro-m-xylene [1]	48.5	30-150							8/10/14 13:15
Tetrachloro-m-xylene [2]	39.5	30-150							8/10/14 13:15



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Project Location: Osborn School

Sample Description: Hallway O/S 119 CMU-M

Work Order: 14H0404

Date Received: 8/9/2014

Field Sample #: C0809-06

Sampled: 8/9/2014 00:00

Sample ID: 14H0404-06

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	0.099	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 13:27	MJC
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 13:27	MJC
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 13:27	MJC
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 13:27	MJC
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 13:27	MJC
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 13:27	MJC
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 13:27	MJC
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 13:27	MJC
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/9/14	8/10/14 13:27	MJC
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	95.4	30-150							8/10/14 13:27
Decachlorobiphenyl [2]	86.5	30-150							8/10/14 13:27
Tetrachloro-m-xylene [1]	83.9	30-150							8/10/14 13:27
Tetrachloro-m-xylene [2]	67.8	30-150							8/10/14 13:27



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

Project Location: Osborn School

Sample Description: Doorframe O/S 119 Caulk

Work Order: 14H0404

Date Received: 8/9/2014

Field Sample #: C0809-07

Sampled: 8/9/2014 00:00

Sample ID: 14H0404-07

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	8/9/14	8/11/14 9:47	MJC
Aroclor-1221 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	8/9/14	8/11/14 9:47	MJC
Aroclor-1232 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	8/9/14	8/11/14 9:47	MJC
Aroclor-1242 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	8/9/14	8/11/14 9:47	MJC
Aroclor-1248 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	8/9/14	8/11/14 9:47	MJC
Aroclor-1254 [2]	8.6	0.77	mg/Kg	4		SW-846 8082A	8/9/14	8/11/14 9:47	MJC
Aroclor-1260 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	8/9/14	8/11/14 9:47	MJC
Aroclor-1262 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	8/9/14	8/11/14 9:47	MJC
Aroclor-1268 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	8/9/14	8/11/14 9:47	MJC
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	90.7		30-150					8/11/14 9:47	
Decachlorobiphenyl [2]	102		30-150					8/11/14 9:47	
Tetrachloro-m-xylene [1]	92.3		30-150					8/11/14 9:47	
Tetrachloro-m-xylene [2]	108		30-150					8/11/14 9:47	



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

Project Location: Osborn School

Sample Description: Hallway O/S 119 Poly Wall

Work Order: 14H0404

Date Received: 8/9/2014

Field Sample #: W0809-01

Sampled: 8/9/2014 00:00

Sample ID: 14H0404-08

Sample Matrix: Wipe

Polychlorinated 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	µg/Wipe	1		SW-846 8082A	8/9/14	8/10/14 13:47	MJC
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/9/14	8/10/14 13:47	MJC
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/9/14	8/10/14 13:47	MJC
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/9/14	8/10/14 13:47	MJC
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/9/14	8/10/14 13:47	MJC
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/9/14	8/10/14 13:47	MJC
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/9/14	8/10/14 13:47	MJC
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/9/14	8/10/14 13:47	MJC
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/9/14	8/10/14 13:47	MJC
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	98.3	30-150							8/10/14 13:47
Decachlorobiphenyl [2]	91.9	30-150							8/10/14 13:47
Tetrachloro-m-xylene [1]	85.6	30-150							8/10/14 13:47
Tetrachloro-m-xylene [2]	86.6	30-150							8/10/14 13:47



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

Project Location: Osborn School

Sample Description: Hallway O/S 119 Poly Wall

Work Order: 14H0404

Date Received: 8/9/2014

Field Sample #: W0809-02

Sampled: 8/9/2014 00:00

Sample ID: 14H0404-09

Sample Matrix: Wipe

Polychlorinated 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	µg/Wipe	1		SW-846 8082A	8/9/14	8/10/14 13:59	MJC
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/9/14	8/10/14 13:59	MJC
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/9/14	8/10/14 13:59	MJC
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/9/14	8/10/14 13:59	MJC
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/9/14	8/10/14 13:59	MJC
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/9/14	8/10/14 13:59	MJC
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/9/14	8/10/14 13:59	MJC
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/9/14	8/10/14 13:59	MJC
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/9/14	8/10/14 13:59	MJC
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	96.4	30-150							8/10/14 13:59
Decachlorobiphenyl [2]	89.9	30-150							8/10/14 13:59
Tetrachloro-m-xylene [1]	85.8	30-150							8/10/14 13:59
Tetrachloro-m-xylene [2]	86.8	30-150							8/10/14 13:59



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

Project Location: Osborn School

Sample Description: Dumster Waste Sample

Work Order: 14H0404

Date Received: 8/9/2014

Field Sample #: W0809-03

Sampled: 8/9/2014 00:00

Sample ID: 14H0404-10

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/9/14	8/11/14 10:53	MJC
Aroclor-1221 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/9/14	8/11/14 10:53	MJC
Aroclor-1232 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/9/14	8/11/14 10:53	MJC
Aroclor-1242 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/9/14	8/11/14 10:53	MJC
Aroclor-1248 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/9/14	8/11/14 10:53	MJC
Aroclor-1254 [2]	3.1	1.0	mg/Kg	10		SW-846 8082A	8/9/14	8/11/14 10:53	MJC
Aroclor-1260 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/9/14	8/11/14 10:53	MJC
Aroclor-1262 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/9/14	8/11/14 10:53	MJC
Aroclor-1268 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/9/14	8/11/14 10:53	MJC
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	41.1	30-150							8/11/14 10:53
Decachlorobiphenyl [2]	45.9	30-150							8/11/14 10:53
Tetrachloro-m-xylene [1]	41.7	30-150							8/11/14 10:53
Tetrachloro-m-xylene [2]	44.4	30-150							8/11/14 10:53



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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
14H0404-07 [C0809-07]	B102235	0.518	10.0	08/09/14

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
14H0404-01 [C0809-01]	B102233	2.00	10.0	08/09/14
14H0404-02 [C0809-02]	B102233	2.02	10.0	08/09/14
14H0404-03 [C0809-03]	B102233	2.00	10.0	08/09/14
14H0404-04 [C0809-04]	B102233	2.03	10.0	08/09/14
14H0404-05 [C0809-05]	B102233	2.01	10.0	08/09/14
14H0404-06 [C0809-06]	B102233	2.02	10.0	08/09/14
14H0404-10 [W0809-03]	B102233	2.01	10.0	08/09/14

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

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
14H0404-08 [W0809-01]	B102241	1.00	10.0	08/09/14
14H0404-09 [W0809-02]	B102241	1.00	10.0	08/09/14



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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	RPD Limit	Notes
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Batch B102233 - SW-846 3540C

Blank (B102233-BLK1)	Prepared: 08/09/14 Analyzed: 08/10/14					
Aroclor-1016	ND	0.10	mg/Kg			
Aroclor-1016 [2C]	ND	0.10	mg/Kg			
Aroclor-1221	ND	0.10	mg/Kg			
Aroclor-1221 [2C]	ND	0.10	mg/Kg			
Aroclor-1232	ND	0.10	mg/Kg			
Aroclor-1232 [2C]	ND	0.10	mg/Kg			
Aroclor-1242	ND	0.10	mg/Kg			
Aroclor-1242 [2C]	ND	0.10	mg/Kg			
Aroclor-1248	ND	0.10	mg/Kg			
Aroclor-1248 [2C]	ND	0.10	mg/Kg			
Aroclor-1254	ND	0.10	mg/Kg			
Aroclor-1254 [2C]	ND	0.10	mg/Kg			
Aroclor-1260	ND	0.10	mg/Kg			
Aroclor-1260 [2C]	ND	0.10	mg/Kg			
Aroclor-1262	ND	0.10	mg/Kg			
Aroclor-1262 [2C]	ND	0.10	mg/Kg			
Aroclor-1268	ND	0.10	mg/Kg			
Aroclor-1268 [2C]	ND	0.10	mg/Kg			
Surrogate: Decachlorobiphenyl	0.897		mg/Kg	1.00	89.7	30-150
Surrogate: Decachlorobiphenyl [2C]	0.816		mg/Kg	1.00	81.6	30-150
Surrogate: Tetrachloro-m-xylene	0.779		mg/Kg	1.00	77.9	30-150
Surrogate: Tetrachloro-m-xylene [2C]	0.637		mg/Kg	1.00	63.7	30-150

LCS (B102233-BS1)	Prepared: 08/09/14 Analyzed: 08/10/14					
Aroclor-1016	0.21	0.10	mg/Kg	0.250	85.7	40-140
Aroclor-1016 [2C]	0.21	0.10	mg/Kg	0.250	85.1	40-140
Aroclor-1260	0.23	0.10	mg/Kg	0.250	91.0	40-140
Aroclor-1260 [2C]	0.23	0.10	mg/Kg	0.250	93.2	40-140
Surrogate: Decachlorobiphenyl	0.955		mg/Kg	1.00	95.5	30-150
Surrogate: Decachlorobiphenyl [2C]	0.874		mg/Kg	1.00	87.4	30-150
Surrogate: Tetrachloro-m-xylene	0.834		mg/Kg	1.00	83.4	30-150
Surrogate: Tetrachloro-m-xylene [2C]	0.683		mg/Kg	1.00	68.3	30-150

LCS Dup (B102233-BSD1)	Prepared: 08/09/14 Analyzed: 08/10/14					
Aroclor-1016	0.21	0.10	mg/Kg	0.250	84.1	40-140
Aroclor-1016 [2C]	0.20	0.10	mg/Kg	0.250	81.5	40-140
Aroclor-1260	0.23	0.10	mg/Kg	0.250	90.8	40-140
Aroclor-1260 [2C]	0.24	0.10	mg/Kg	0.250	94.8	40-140
Surrogate: Decachlorobiphenyl	0.923		mg/Kg	1.00	92.3	30-150
Surrogate: Decachlorobiphenyl [2C]	0.844		mg/Kg	1.00	84.4	30-150
Surrogate: Tetrachloro-m-xylene	0.800		mg/Kg	1.00	80.0	30-150
Surrogate: Tetrachloro-m-xylene [2C]	0.648		mg/Kg	1.00	64.8	30-150

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QUALITY CONTROL**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch B102235 - SW-846 3540C

Blank (B102235-BLK1)					Prepared: 08/09/14 Analyzed: 08/11/14					
Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	3.57		mg/Kg	4.00		89.4		30-150		
Surrogate: Decachlorobiphenyl [2C]	3.87		mg/Kg	4.00		96.6		30-150		
Surrogate: Tetrachloro-m-xylene	3.91		mg/Kg	4.00		97.7		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	4.12		mg/Kg	4.00		103		30-150		
LCS (B102235-BS1)					Prepared: 08/09/14 Analyzed: 08/11/14					
Aroclor-1016	3.6	0.20	mg/Kg	4.00		89.8		40-140		
Aroclor-1016 [2C]	3.4	0.20	mg/Kg	4.00		84.5		40-140		
Aroclor-1260	3.2	0.20	mg/Kg	4.00		79.6		40-140		
Aroclor-1260 [2C]	3.1	0.20	mg/Kg	4.00		78.4		40-140		
Surrogate: Decachlorobiphenyl	3.35		mg/Kg	4.00		83.8		30-150		
Surrogate: Decachlorobiphenyl [2C]	3.60		mg/Kg	4.00		90.0		30-150		
Surrogate: Tetrachloro-m-xylene	4.02		mg/Kg	4.00		101		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	4.23		mg/Kg	4.00		106		30-150		
LCS Dup (B102235-BSD1)					Prepared: 08/09/14 Analyzed: 08/11/14					
Aroclor-1016	3.2	0.20	mg/Kg	4.00		81.0		40-140	10.3	30
Aroclor-1016 [2C]	3.0	0.20	mg/Kg	4.00		76.2		40-140	10.4	30
Aroclor-1260	3.1	0.20	mg/Kg	4.00		77.3		40-140	2.96	30
Aroclor-1260 [2C]	3.0	0.20	mg/Kg	4.00		76.2		40-140	2.81	30
Surrogate: Decachlorobiphenyl	3.16		mg/Kg	4.00		79.1		30-150		
Surrogate: Decachlorobiphenyl [2C]	3.38		mg/Kg	4.00		84.5		30-150		
Surrogate: Tetrachloro-m-xylene	3.36		mg/Kg	4.00		84.0		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	3.51		mg/Kg	4.00		87.8		30-150		

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QUALITY CONTROL**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch B102241 - SW-846 3540C

Blank (B102241-BLK1)										Prepared: 08/09/14 Analyzed: 08/10/14
Aroclor-1016	ND	0.20	µg/Wipe							
Aroclor-1016 [2C]	ND	0.20	µg/Wipe							
Aroclor-1221	ND	0.20	µg/Wipe							
Aroclor-1221 [2C]	ND	0.20	µg/Wipe							
Aroclor-1232	ND	0.20	µg/Wipe							
Aroclor-1232 [2C]	ND	0.20	µg/Wipe							
Aroclor-1242	ND	0.20	µg/Wipe							
Aroclor-1242 [2C]	ND	0.20	µg/Wipe							
Aroclor-1248	ND	0.20	µg/Wipe							
Aroclor-1248 [2C]	ND	0.20	µg/Wipe							
Aroclor-1254	ND	0.20	µg/Wipe							
Aroclor-1254 [2C]	ND	0.20	µg/Wipe							
Aroclor-1260	ND	0.20	µg/Wipe							
Aroclor-1260 [2C]	ND	0.20	µg/Wipe							
Aroclor-1262	ND	0.20	µg/Wipe							
Aroclor-1262 [2C]	ND	0.20	µg/Wipe							
Aroclor-1268	ND	0.20	µg/Wipe							
Aroclor-1268 [2C]	ND	0.20	µg/Wipe							
Surrogate: Decachlorobiphenyl	1.81		µg/Wipe	2.00		90.5		30-150		
Surrogate: Decachlorobiphenyl [2C]	1.71		µg/Wipe	2.00		85.4		30-150		
Surrogate: Tetrachloro-m-xylene	1.60		µg/Wipe	2.00		80.1		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	1.61		µg/Wipe	2.00		80.6		30-150		

LCS (B102241-BS1)										Prepared: 08/09/14 Analyzed: 08/10/14
Aroclor-1016	0.48	0.20	µg/Wipe	0.500		95.4		40-140		
Aroclor-1016 [2C]	0.42	0.20	µg/Wipe	0.500		84.7		40-140		
Aroclor-1260	0.46	0.20	µg/Wipe	0.500		92.6		40-140		
Aroclor-1260 [2C]	0.42	0.20	µg/Wipe	0.500		84.5		40-140		
Surrogate: Decachlorobiphenyl	1.94		µg/Wipe	2.00		96.9		30-150		
Surrogate: Decachlorobiphenyl [2C]	1.83		µg/Wipe	2.00		91.4		30-150		
Surrogate: Tetrachloro-m-xylene	1.69		µg/Wipe	2.00		84.4		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	1.71		µg/Wipe	2.00		85.4		30-150		

LCS Dup (B102241-BSD1)										Prepared: 08/09/14 Analyzed: 08/10/14
Aroclor-1016	0.49	0.20	µg/Wipe	0.500		97.4		40-140	2.10	30
Aroclor-1016 [2C]	0.43	0.20	µg/Wipe	0.500		86.1		40-140	1.60	30
Aroclor-1260	0.46	0.20	µg/Wipe	0.500		91.8		40-140	0.837	30
Aroclor-1260 [2C]	0.42	0.20	µg/Wipe	0.500		84.0		40-140	0.584	30
Surrogate: Decachlorobiphenyl	1.87		µg/Wipe	2.00		93.6		30-150		
Surrogate: Decachlorobiphenyl [2C]	1.77		µg/Wipe	2.00		88.5		30-150		
Surrogate: Tetrachloro-m-xylene	1.67		µg/Wipe	2.00		83.5		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	1.69		µg/Wipe	2.00		84.4		30-150		



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

C0809-07

Lab Sample ID: 14H0404-07 Date(s) Analyzed: 08/11/2014 08/11/2014

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	0.00	0.00	7.3	
	2	0.00	0.00	0.00	8.6	16.6



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

W0809-03

SW-846 8082A

Lab Sample ID: 14H0404-10 Date(s) Analyzed: 08/11/2014 08/11/2014

Date(s) Analyzed: 08/11/2014 08/11/2014

Instrument ID (1): **1234567890** Instrument ID (2): **9876543210**

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	3.0	
	2	0.00	0.00	0.00	3.1	4.3



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B102233-BS1 Date(s) Analyzed: 08/10/2014 08/10/2014

Date(s) Analyzed: 08/10/2014 08/10/2014

Instrument ID (1): **1234567890** Instrument ID (2): **9876543210**

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	0.21	
	2	0.00	0.00	0.00	0.21	2
Aroclor-1260	1	0.00	0.00	0.00	0.23	
	2	0.00	0.00	0.00	0.23	1



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS Dup

SW-846 8082A

Lab Sample ID: B102233-BSD1 Date(s) Analyzed: 08/10/2014 08/10/2014

Date(s) Analyzed: 08/10/2014 08/10/2014

Instrument ID (1): **1** Instrument ID (2): **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	0.21	
	2	0.00	0.00	0.00	0.20	5
Aroclor-1260	1	0.00	0.00	0.00	0.23	
	2	0.00	0.00	0.00	0.24	6



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS

SW-846 8082A

Lab Sample ID: B102235-BS1 Date(s) Analyzed: 08/11/2014 08/11/2014

Date(s) Analyzed: 08/11/2014 08/11/2014

Instrument ID (1): **1234567890** Instrument ID (2): **9876543210**

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	3.6	
	2	0.00	0.00	0.00	3.4	5
Aroclor-1260	1	0.00	0.00	0.00	3.2	
	2	0.00	0.00	0.00	3.1	3



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS Dup

SW-846 8082A

Lab Sample ID: B102235-BSD1 Date(s) Analyzed: 08/11/2014 08/11/2014

Date(s) Analyzed: 08/11/2014 08/11/2014

Instrument ID (1): **1234567890** Instrument ID (2): **9876543210**

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	3.2	
	2	0.00	0.00	0.00	3.0	8
Aroclor-1260	1	0.00	0.00	0.00	3.1	
	2	0.00	0.00	0.00	3.0	3



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS

SW-846 8082A

Lab Sample ID: B102241-BS1 Date(s) Analyzed: 08/10/2014 08/10/2014

Date(s) Analyzed: 08/10/2014 08/10/2014

Instrument ID (1): **1234567890** Instrument ID (2): **9876543210**

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	0.48	
	2	0.00	0.00	0.00	0.42	13
Aroclor-1260	1	0.00	0.00	0.00	0.46	
	2	0.00	0.00	0.00	0.42	10



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS Dup

SW-846 8082A

Lab Sample ID: B102241-BSD1 Date(s) Analyzed: 08/10/2014 08/10/2014

Date(s) Analyzed: 08/10/2014 08/10/2014

Instrument ID (1): **1234567890** Instrument ID (2): **9876543210**

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	0.49	
	2	0.00	0.00	0.00	0.43	12
Aroclor-1260	1	0.00	0.00	0.00	0.46	
	2	0.00	0.00	0.00	0.42	9



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FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
 - † Wide recovery limits established for difficult compound.
 - ‡ Wide RPD limits established for difficult compound.
 - # Data exceeded client recommended or regulatory level
- 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-12 Surrogate recovery is outside of control limits on confirmatory column, but within control limits on primary column. Data validation is not affected.



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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	06/30/2015
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2015
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2015
RI	Rhode Island Department of Health	LAO00112	12/30/2014
NC	North Carolina Div. of Water Quality	652	12/31/2014
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2015
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2014
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2014



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

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 2

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Company Name: AMC Environmental		Address: P.O. Box 423	Telephone: 203-378-5020	Project #	# of Containers						
Attention: Jason Pringle		Client PO#	***Container Code								
Project Location: <u>O</u> School		DATA DELIVERY (check all that apply)	Dissolved Metals								
Sampled By: <u>B. Graham</u>		<input type="checkbox"/> FAX <input checked="" type="checkbox"/> EMAIL <input type="checkbox"/> WEBSITE	<input type="checkbox"/> Field Filtered <input type="checkbox"/> Lab to Filter								
Project Proposal Provided? (for billing purposes)		<input type="checkbox"/> yes _____ proposal date	Format:	***Cont. Code:							
		<input type="checkbox"/> Enhanced Data Package	<input checked="" type="checkbox"/> PDF <input type="checkbox"/> EXCEL <input type="checkbox"/> OGIS	<input type="checkbox"/> A=Amber glass <input type="checkbox"/> G=Glass <input type="checkbox"/> P=Plastic <input type="checkbox"/> ST=sterile <input type="checkbox"/> V=vial							
		Collection	Beginning Date/Time	Ending Date/Time	Composite	Grab Code	Matrix Conc. Code	Soxhlet	8082A	ANALYSIS REQUESTED	
01	C0809 - 01	Hallway 0/s 119 Slab	8/9/14	8/9/14	/	/	/			I = Iced	
02	C0809 - 02		8/9/14	8/9/14	/	/	/			H = HCl	
03	C0809 - 03		8/9/14	8/9/14	/	/	/			M = Methanol	
04	C0809 - 04		8/9/14	8/9/14	/	/	/			N = Nitric Acid	
05	C0809 - 05	Hallway 0/s 119 CMU	8/9/14	8/9/14	/	/	/			S = Sulfuric Acid	
06	C0809 - 06	Hallway 0/s 119 CMU-N	8/9/14	8/9/14	/	/	/			B = Sodium bisulfate	
07	C0809 - 07	Hallway 0/s 119 Cauk	8/9/14	8/9/14	/	/	/			X = Na hydroxide	
08	V0809 - 01	Hallway 0/s 119 PolyWall	8/9/14	8/9/14	/	/	/			T = Na thiosulfate	
09	V0809 - 02	Hallway 0/s 119 Polywall	8/9/14	8/9/14	/	/	/			O = Other	
Comments:											
<p>Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conec. Code Box:</p> <p>H - High; M - Medium; L - Low; C - Clean; U - Unknown</p>											
Relandished by: (signature)		Date/Time: <u>8/9/14</u>	Turnaround	Detection Limit Requirements	Is your project MCP or RCP?						
Received by: (signature)		<input type="checkbox"/> 7-Day	<input type="checkbox"/> 10-Day	<input type="checkbox"/> Massachusetts:	<input type="checkbox"/> MCP Form Required	<input type="checkbox"/> RCP Form Required	<input type="checkbox"/> MA State DW Form Required	PWSID #			
Relinquished by: (signature)		Date/Time:	<input checked="" type="checkbox"/> Other	Connecticut:	<input type="checkbox"/> <1PPM	<input type="checkbox"/>	<input type="checkbox"/>				
Received by: (signature)		Date/Time:	<input type="checkbox"/> 24-Hr	<input type="checkbox"/> 48-Hr	<input type="checkbox"/> 72-Hr	<input type="checkbox"/> 4-Day	<input type="checkbox"/> Require lab approval	Other:			
<p>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.</p> <p>PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT</p>											





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

CHAIN OF CUSTODY RECORD

39 Spruce Street
East longmeadow, MA 01028

Company Name: AMC Environmental		Telephone: 203-378-5020	
Address: P.O. Box 423		Project #	
Stratford, CT 06615		Client PO#	
Attention: Jason Pringle		Project Location: Osborn School	
Sampled By: BGraham		Project Proposal Provided? (for billing purposes)	
<input type="radio"/> yes _____ proposal date			
ANALYSIS REQUESTED			
Con-Test Lab ID <i>w/0609-03</i>	Client Sample ID / Description <i>Dumpster Wash Sample</i>	Collection Beginning Date/Time <i>8/1/14</i>	Ending Date/Time Composite Grab Lot# *Matrix Conc Code Soxhlet 8082A
<input checked="" type="checkbox"/> "Enhanced Data Package" <input type="checkbox"/> "FAX" <input checked="" type="checkbox"/> "EMAIL" <input type="checkbox"/> "WEBSITE" Email: results@amcenviron.com Format: <input checked="" type="checkbox"/> PDF <input type="checkbox"/> EXCEL <input type="checkbox"/> OGS <input type="checkbox"/> OTHER			
DATA DELIVERY (check all that apply) <input checked="" type="checkbox"/> FAX # <input checked="" type="checkbox"/> EMAIL <input type="checkbox"/> WEBSITE Email: results@amcenviron.com Format: <input checked="" type="checkbox"/> PDF <input type="checkbox"/> EXCEL <input type="checkbox"/> OGS <input type="checkbox"/> OTHER			
***Cont. Code: <input checked="" type="checkbox"/> A=Amber glass <input checked="" type="checkbox"/> G=glass <input checked="" type="checkbox"/> P=plastic <input checked="" type="checkbox"/> ST=sterile <input checked="" type="checkbox"/> V=vial <input checked="" type="checkbox"/> S=summa can <input checked="" type="checkbox"/> T=tederal bag <input checked="" type="checkbox"/> O=Other			
**Preservation <input checked="" type="checkbox"/> I=Iced <input checked="" type="checkbox"/> H=HCl <input checked="" type="checkbox"/> M=Methanol <input checked="" type="checkbox"/> N=Nitric Acid <input checked="" type="checkbox"/> S=Sulfuric Acid <input checked="" type="checkbox"/> B=Sodium bisulfate <input checked="" type="checkbox"/> X=Na hydroxide <input checked="" type="checkbox"/> T=Na thiosulfate <input checked="" type="checkbox"/> O=Other			
Comments: <p>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 </p>			
Relinquished by: (signature) <i>J. H.</i>	Date/Time: <i>8/6/14</i>	Tumaround ^{††} 7-Day	Detection Limit Requirements
Received by: (signature) <i>B. Graham</i>	Date/Time: <i>8/19/14 5:60</i>	10-Day	Massachusetts: _____
Relinquished by: (signature) <i>J. H.</i>	Date/Time: <i>9/30</i>	Other _____	Is your project MCP or RCP?
Received by: (signature)	Date/Time:	RUSH [†]	<input checked="" type="radio"/> MCP Form Required <input type="radio"/> RCP Form Required <input type="radio"/> MA State DW Form Required PWSID # _____
<small>† Require lab approval Offer:</small>			
<small>TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN OF CUSTODY. THIS FORM IS FOR INFORMATION ONLY.</small>			

IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY THE STUDENT.

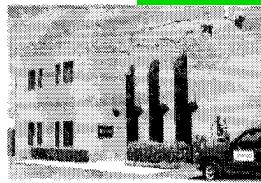
... ALL QUESTIONS ARE ANSWERED BY OUR CLIENT

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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Page 1 of 2



Sample Receipt Checklist

CLIENT NAME: AMC Environmental RECEIVED BY: MJ DATE: 8/19/14

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 5.6 °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: 19 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	<u>8</u>
1 Liter Plastic		Plastic Bag / Ziploc	<u>+ 2 MJ</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 _____	Time and Date Frozen:
Doc# 277 # Bisulfate _____	# DI Water _____	
Rev. 4 August 2013 # Thiosulfate _____	Unpreserved _____	

Page 2 of 2
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>
	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.	T	
4) Cooler Temperature is acceptable.	T	
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.	T	
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:

MJ

8/9/14

9:30



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August 19, 2014

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: 14H0686

Enclosed are results of analyses for samples received by the laboratory on August 15, 2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Lisa A. Worthington". The signature is fluid and cursive, with "Lisa" and "Worthington" being the most distinct parts.

Lisa A. Worthington
Project Manager

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

REPORT DATE: 8/19/2014

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 14H0686

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
W0814-01	14H0686-01	Wipe		SW-846 8082A	
W0814-02	14H0686-02	Wipe		SW-846 8082A	



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CASE NARRATIVE SUMMARY

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

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 "Tod E. Kopyscinski".

Tod E. Kopyscinski
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: 14H0686

Date Received: 8/15/2014

Sampled: 8/14/2014 00:00

Field Sample #: W0814-01

Sample ID: 14H0686-01

Sample Matrix: Wipe

Polychlorinated 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	µg/Wipe	1		SW-846 8082A	8/15/14	8/18/14 13:46	MJC
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/15/14	8/18/14 13:46	MJC
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/15/14	8/18/14 13:46	MJC
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/15/14	8/18/14 13:46	MJC
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/15/14	8/18/14 13:46	MJC
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/15/14	8/18/14 13:46	MJC
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/15/14	8/18/14 13:46	MJC
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/15/14	8/18/14 13:46	MJC
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/15/14	8/18/14 13:46	MJC
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	81.3	30-150							8/18/14 13:46
Decachlorobiphenyl [2]	75.8	30-150							8/18/14 13:46
Tetrachloro-m-xylene [1]	74.5	30-150							8/18/14 13:46
Tetrachloro-m-xylene [2]	82.0	30-150							8/18/14 13:46



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Project Location: Osborn School

Sample Description:

Work Order: 14H0686

Date Received: 8/15/2014

Field Sample #: W0814-02

Sampled: 8/14/2014 00:00

Sample ID: 14H0686-02

Sample Matrix: Wipe

Polychlorinated 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	µg/Wipe	1		SW-846 8082A	8/15/14	8/18/14 13:58	MJC
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/15/14	8/18/14 13:58	MJC
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/15/14	8/18/14 13:58	MJC
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/15/14	8/18/14 13:58	MJC
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/15/14	8/18/14 13:58	MJC
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/15/14	8/18/14 13:58	MJC
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/15/14	8/18/14 13:58	MJC
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/15/14	8/18/14 13:58	MJC
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/15/14	8/18/14 13:58	MJC
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	78.3	30-150							8/18/14 13:58
Decachlorobiphenyl [2]	89.2	30-150							8/18/14 13:58
Tetrachloro-m-xylene [1]	87.8	30-150							8/18/14 13:58
Tetrachloro-m-xylene [2]	96.2	30-150							8/18/14 13:58



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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
14H0686-01 [W0814-01]	B102767	1.00	10.0	08/15/14
14H0686-02 [W0814-02]	B102767	1.00	10.0	08/15/14



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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	RPD Limit	Notes
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Batch B102767 - SW-846 3540C

Blank (B102767-BLK1)					Prepared: 08/15/14 Analyzed: 08/18/14					
Aroclor-1016	ND	0.20	µg/Wipe							
Aroclor-1016 [2C]	ND	0.20	µg/Wipe							
Aroclor-1221	ND	0.20	µg/Wipe							
Aroclor-1221 [2C]	ND	0.20	µg/Wipe							
Aroclor-1232	ND	0.20	µg/Wipe							
Aroclor-1232 [2C]	ND	0.20	µg/Wipe							
Aroclor-1242	ND	0.20	µg/Wipe							
Aroclor-1242 [2C]	ND	0.20	µg/Wipe							
Aroclor-1248	ND	0.20	µg/Wipe							
Aroclor-1248 [2C]	ND	0.20	µg/Wipe							
Aroclor-1254	ND	0.20	µg/Wipe							
Aroclor-1254 [2C]	ND	0.20	µg/Wipe							
Aroclor-1260	ND	0.20	µg/Wipe							
Aroclor-1260 [2C]	ND	0.20	µg/Wipe							
Aroclor-1262	ND	0.20	µg/Wipe							
Aroclor-1262 [2C]	ND	0.20	µg/Wipe							
Aroclor-1268	ND	0.20	µg/Wipe							
Aroclor-1268 [2C]	ND	0.20	µg/Wipe							
Surrogate: Decachlorobiphenyl	1.76		µg/Wipe	2.00		87.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.61		µg/Wipe	2.00		80.6	30-150			
Surrogate: Tetrachloro-m-xylene	1.55		µg/Wipe	2.00		77.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.72		µg/Wipe	2.00		85.8	30-150			

LCS (B102767-BS1)					Prepared: 08/15/14 Analyzed: 08/18/14					
Aroclor-1016	0.45	0.20	µg/Wipe	0.500		89.0	40-140			
Aroclor-1016 [2C]	0.45	0.20	µg/Wipe	0.500		90.7	40-140			
Aroclor-1260	0.42	0.20	µg/Wipe	0.500		84.6	40-140			
Aroclor-1260 [2C]	0.43	0.20	µg/Wipe	0.500		86.8	40-140			
Surrogate: Decachlorobiphenyl	1.72		µg/Wipe	2.00		86.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.63		µg/Wipe	2.00		81.7	30-150			
Surrogate: Tetrachloro-m-xylene	1.63		µg/Wipe	2.00		81.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.76		µg/Wipe	2.00		88.1	30-150			

LCS Dup (B102767-BSD1)					Prepared: 08/15/14 Analyzed: 08/18/14					
Aroclor-1016	0.47	0.20	µg/Wipe	0.500		93.6	40-140	5.00	30	
Aroclor-1016 [2C]	0.50	0.20	µg/Wipe	0.500		99.2	40-140	8.92	30	
Aroclor-1260	0.46	0.20	µg/Wipe	0.500		91.6	40-140	7.90	30	
Aroclor-1260 [2C]	0.45	0.20	µg/Wipe	0.500		89.5	40-140	3.10	30	
Surrogate: Decachlorobiphenyl	1.83		µg/Wipe	2.00		91.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.76		µg/Wipe	2.00		88.0	30-150			
Surrogate: Tetrachloro-m-xylene	1.72		µg/Wipe	2.00		86.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.89		µg/Wipe	2.00		94.3	30-150			



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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

Lab Sample ID: B102767-BS1 Date(s) Analyzed: 08/18/2014 08/18/2014

Date(s) Analyzed: 08/18/2014 08/18/2014

Instrument ID (1): **1234567890** Instrument ID (2): **9876543210**

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	0.45	
	2	0.00	0.00	0.00	0.45	1
Aroclor-1260	1	0.00	0.00	0.00	0.42	
	2	0.00	0.00	0.00	0.43	2



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS Dup

SW-846 8082A

Lab Sample ID: B102767-BSD1 Date(s) Analyzed: 08/18/2014 08/18/2014

Date(s) Analyzed: 08/18/2014 08/18/2014

Instrument ID (1): **1234567890** Instrument ID (2): **9876543210**

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	0.47	
	2	0.00	0.00	0.00	0.50	7
Aroclor-1260	1	0.00	0.00	0.00	0.46	
	2	0.00	0.00	0.00	0.45	2



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FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
- † Wide recovery limits established for difficult compound.
- ‡ Wide RPD limits established for difficult compound.
- # Data exceeded client recommended or regulatory level

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.



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CERTIFICATIONS

Certified Analyses included in this Report

Analyte

Certifications

No certified Analyses included in this Report

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	06/30/2015
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2015
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2015
RI	Rhode Island Department of Health	LAO00112	12/30/2014
NC	North Carolina Div. of Water Quality	652	12/31/2014
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2015
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2014
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2014



con-test

Phone: 413-525-2332

CHAIN OF CUSTODY RECORD

39 Spruce Street
East longmeadow, MA 01028

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Company Name: AMC Environmental		Telephone: 203-378-5020	
Address:	P.O. Box 423	Project #	
Attention:	Jason Pringle	Client PO#	
Project Location:	Osborn School	DATA DELIVERY (check all that apply)	
Sampled By:	B. Graham	<input type="checkbox"/> FAX	<input checked="" type="checkbox"/> EMAIL
Project Proposal Provided? (for billing purposes) <input type="radio"/> yes _____ <input type="radio"/> no _____ proposal date		<input type="checkbox"/> WEBSITE	<input type="checkbox"/> OTHER
Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection	"Enhanced Data Package"
W0814-01	Main Hallway Metal	Beginning Date/Time	Ending Date/Time
W0814-02	Behind Covehouse	Composite	Grab
		Code	Code
		Matrix Conc Code	Conc Code
		Soxhlet	8082A
		<i>[Handwritten Signature]</i>	
Comments:	<p>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</p>		
Relinquished by (signature)	Date/Time:	Turnaround [†]	Detection Limit Requirements
<i>[Signature]</i>	8/15/14	7-Day	Is your project MCP or RCP?
Received by (signature)	Date/Time:	10-Day	<input type="radio"/> MCP Form Required
<i>[Signature]</i>	8/15/14	Other _____	<input type="radio"/> RCP Form Required
Retained by (signature)	Date/Time:	RUSH [†]	<input type="radio"/> MA State DW Form Required PWSID # _____
Received by: (signature)	Date/Time:	<input type="checkbox"/> 12-Hr <input checked="" type="checkbox"/> 48-Hr <input type="checkbox"/> 72-Hr <input type="checkbox"/> 4-Day [†] Require lab approval Other: _____	
ANALYSIS REQUESTED Detected in All Acc. NELAC AIHA NELAC & AIHA Certified WBE/DBE Certified			
		# of Containers	
		** Preservation	
		*** Container Code	
		Dissolved Metals	
		<input type="radio"/> Field Filtered	
		<input type="radio"/> Lab to Filter	
		*** Cont. Code:	
		A=amber glass	
		G=glass	
		P=plastic	
		ST=sterile	
		V=vial	
		S=summary can	
		T=tedder bag	
		O=Other	
		**Preservation	
		I=Iced	
		H=HCL	
		M=Methanol	
		N=Nitric Acid	
		S=Sulfuric Acid	
		B=Sodium bisulfate	
		X=Na hydroxide	
		T=Na thiosulfate	
		O=Other _____	
		*Matrix Code:	
		GW=groundwater	
		WW=wastewater	
		DW=drinking water	
		A=air	
		S=soil/solid	
		SL=sludge	
		O=other _____	

IS 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



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Sample Receipt Checklist

CLIENT NAME: AMC EnvRECEIVED BY: CFCDATE: 8/15/141) Was the chain(s) of custody relinquished and signed? Yes No No CoC Included

2) Does the chain agree with the samples?

If not, explain:

 Yes No

3) Are all the samples in good condition?

If not, explain:

 Yes No

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 3.8

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: 19Permission 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/A9) Do all samples have the proper Base pH: Yes No N/A10) 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	<u>2</u>
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 _____ Time and Date Frozen: _____

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Bisulfate: _____ # DI Water: _____

Rev. 4 August 2013

Thiosulfate: _____ Unpreserved

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Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

Question	Answer (True/False) T/F/NA	Comment
1) The cooler's custody seal, if present, is intact.	N/A	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
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.	N/A	
14) Sample collection date/times are provided.	T	
15) Appropriate sample containers are used.	T	
16) Proper collection media used.	N/A	
17) No headspace sample bottles are completely filled.	N/A	
18) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	N/A	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	N/A	
21) Samples do not require splitting or compositing.	T	

Who notified of False statements?

Date/Time:

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Log-In Technician Initials:

Date/Time:

CEC

8/15/14 0945

Laboratory Results – PCB Wipe Samples