

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, appearing to read "Lisa Worthington", is displayed on a light gray rectangular background.

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	

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", is written over a light gray rectangular background.

Daren J. Damboragian
Laboratory Manager

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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:

Flow Controller ID:
Sample Type:
Air Volume L: 1800

Work Order: 14H0069

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time Analyzed	Analyst
	Results	RL		Results	RL			
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		ug/m3		Spike Level	Source	%REC	%REC	RPD	RPD	Flag/Qual
	Results	RL	Results	RL	Total µg	Result	%REC	Limits	RPD	Limit	

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-BSD1) 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.

Certifications

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

[illegible]



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 ►

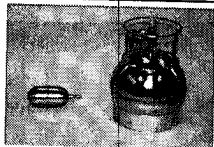
Travel History

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

AIR Only Receipt Checklist

CLIENT NAME: Amc RECEIVED BY: PB 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:

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) PUFs	1	
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:

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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)		Comment
	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.	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		

Doc #278 Rev. 4 January 2014

Who notified of False statements?

Log-In Technician Initials: PB

Date/Time:

Date/Time: 8-2-14