

February 13, 2015

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

Project Location: Osborn Hill - Gymnasium
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 15B0294

Enclosed are results of analyses for samples received by the laboratory on February 10, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "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: 2/13/2015

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15B0294

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

PROJECT LOCATION: Osborn Hill - Gymnasium

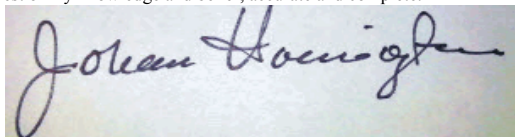
FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
PCB-01 - blank	15B0294-01	Air		TO-10A/EPA 680 Modified	
PCB-02 - Side B	15B0294-02	Air		TO-10A/EPA 680 Modified	
PCB-03 - Side B (Duplicate)	15B0294-03	Air		TO-10A/EPA 680 Modified	
PCB-04 - Side D	15B0294-04	Air		TO-10A/EPA 680 Modified	

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 "Johanna K. Harrington", is written over a light blue horizontal line.

Johanna K. Harrington

Manager, Laboratory Reporting

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ANALYTICAL RESULTS

Project Location: Osborn Hill - Gymnasium

Date Received: 2/10/2015

Field Sample #: PCB-01 - blank

Sample ID: 15B0294-01

Sample Matrix: Air

Sampled: 2/8/2015 14:00

Sample Description/Location:

Sub Description/Location:

Flow Controller ID:

Sample Type:

Work Order: 15B0294

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	Dilution	Date/Time		Analyst
	Results	RL			Analyzed		
Monochlorobiphenyls	ND	0.0010		1	2/12/15 23:29		CJM
Dichlorobiphenyls	ND	0.0010		1	2/12/15 23:29		CJM
Trichlorobiphenyls	ND	0.0010		1	2/12/15 23:29		CJM
Tetrachlorobiphenyls	ND	0.0020		1	2/12/15 23:29		CJM
Pentachlorobiphenyls	ND	0.0020		1	2/12/15 23:29		CJM
Hexachlorobiphenyls	ND	0.0020		1	2/12/15 23:29		CJM
Heptachlorobiphenyls	ND	0.0030		1	2/12/15 23:29		CJM
Octachlorobiphenyls	ND	0.0030		1	2/12/15 23:29		CJM
Nonachlorobiphenyls	ND	0.0050		1	2/12/15 23:29		CJM
Decachlorobiphenyl	ND	0.0050		1	2/12/15 23:29		CJM
Total Polychlorinated biphenyls	0.0			1	2/12/15 23:29		CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	75.0	50-125	2/12/15 23:29

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ANALYTICAL RESULTS

Project Location: Osborn Hill - Gymnasium

Date Received: 2/10/2015

Field Sample #: PCB-02 - Side B

Sample ID: 15B0294-02

Sample Matrix: Air

Sampled: 2/8/2015 14:00

Sample Description/Location:

Sub Description/Location:

Work Order: 15B0294

Flow Controller ID:

Sample Type:

Air Volume L: 1810

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		
	Results	RL		Results	RL		Analyzed	Analyst	
Monochlorobiphenyls	ND	0.0010		ND	0.00055	1	2/12/15	16:02	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00055	1	2/12/15	16:02	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00055	1	2/12/15	16:02	CJM
Tetrachlorobiphenyls	ND	0.0020		ND	0.0011	1	2/12/15	16:02	CJM
Pentachlorobiphenyls	0.0041	0.0020		0.0023	0.0011	1	2/12/15	16:02	CJM
Hexachlorobiphenyls	ND	0.0020		ND	0.0011	1	2/12/15	16:02	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0017	1	2/12/15	16:02	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0017	1	2/12/15	16:02	CJM
Nonachlorobiphenyls	0.0054	0.0050		0.003	0.0028	1	2/12/15	16:02	CJM
Decachlorobiphenyl	0.016	0.0050		0.0091	0.0028	1	2/12/15	16:02	CJM
Total Polychlorinated biphenyls	0.026			0.014		1	2/12/15	16:02	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	74.0	50-125	2/12/15 16:02

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ANALYTICAL RESULTS

Project Location: Osborn Hill - Gymnasium

Date Received: 2/10/2015

Field Sample #: PCB-03 - Side B (Duplicate)

Sample ID: 15B0294-03

Sample Matrix: Air

Sampled: 2/8/2015 14:00

Sample Description/Location:

Sub Description/Location:

Work Order: 15B0294

Flow Controller ID:

Sample Type:

Air Volume L: 1810

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		
	Results	RL		Results	RL		Analyzed	Analyst	
Monochlorobiphenyls	ND	0.0010		ND	0.00055	1	2/12/15	18:02	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00055	1	2/12/15	18:02	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00055	1	2/12/15	18:02	CJM
Tetrachlorobiphenyls	ND	0.0020		ND	0.0011	1	2/12/15	18:02	CJM
Pentachlorobiphenyls	0.0042	0.0020		0.0023	0.0011	1	2/12/15	18:02	CJM
Hexachlorobiphenyls	ND	0.0020		ND	0.0011	1	2/12/15	18:02	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0017	1	2/12/15	18:02	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0017	1	2/12/15	18:02	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0028	1	2/12/15	18:02	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0028	1	2/12/15	18:02	CJM
Total Polychlorinated biphenyls	0.0042			0.0023		1	2/12/15	18:02	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	73.0	50-125	2/12/15 18:02

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ANALYTICAL RESULTS

Project Location: Osborn Hill - Gymnasium

Date Received: 2/10/2015

Field Sample #: PCB-04 - Side D

Sample ID: 15B0294-04

Sample Matrix: Air

Sampled: 2/8/2015 14:00

Sample Description/Location:

Sub Description/Location:

Work Order: 15B0294

Flow Controller ID:

Sample Type:

Air Volume L: 1815

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	0.00055	1	2/12/15 18:31	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00055	1	2/12/15 18:31	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00055	1	2/12/15 18:31	CJM
Tetrachlorobiphenyls	ND	0.0020		ND	0.0011	1	2/12/15 18:31	CJM
Pentachlorobiphenyls	ND	0.0020		ND	0.0011	1	2/12/15 18:31	CJM
Hexachlorobiphenyls	ND	0.0020		ND	0.0011	1	2/12/15 18:31	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0017	1	2/12/15 18:31	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0017	1	2/12/15 18:31	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0028	1	2/12/15 18:31	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0028	1	2/12/15 18:31	CJM
Total Polychlorinated biphenyls	0.0			0		1	2/12/15 18:31	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	56.2	50-125	2/12/15 18:31

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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
15B0294-01 [PCB-01 - blank]	B115151	1.00	1.00	02/11/15
15B0294-02 [PCB-02 - Side B]	B115151	1.00	1.00	02/11/15
15B0294-03 [PCB-03 - Side B (Duplicate)]	B115151	1.00	1.00	02/11/15
15B0294-04 [PCB-04 - Side D]	B115151	1.00	1.00	02/11/15

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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 B115151 - SW-846 3540C

Blank (B115151-BLK1)

Prepared: 02/11/15 Analyzed: 02/12/15

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 0.136 0.200 68.2 50-125

LCS (B115151-BS1)

Prepared: 02/11/15 Analyzed: 02/12/15

Monochlorobiphenyls	0.13	0.0010	0.200	64.0	40-140
Dichlorobiphenyls	0.14	0.0010	0.200	68.3	40-140
Trichlorobiphenyls	0.14	0.0010	0.200	71.5	40-140
Tetrachlorobiphenyls	0.30	0.0020	0.400	74.0	40-140
Pentachlorobiphenyls	0.31	0.0020	0.400	77.8	40-140
Hexachlorobiphenyls	0.30	0.0020	0.400	75.4	40-140
Heptachlorobiphenyls	0.46	0.0030	0.600	76.6	40-140
Octachlorobiphenyls	0.47	0.0030	0.600	78.3	40-140
Nonachlorobiphenyls	0.86	0.0050	1.00	86.1	40-140
Decachlorobiphenyl	0.77	0.0050	1.00	77.0	40-140

Surrogate: Tetrachloro-m-xylene 0.142 0.200 71.1 50-125

LCS Dup (B115151-BSD1)

Prepared: 02/11/15 Analyzed: 02/12/15

Monochlorobiphenyls	0.12	0.0010	0.200	62.2	40-140	2.88	50
Dichlorobiphenyls	0.14	0.0010	0.200	70.8	40-140	3.67	50
Trichlorobiphenyls	0.15	0.0010	0.200	76.7	40-140	6.91	50
Tetrachlorobiphenyls	0.31	0.0020	0.400	78.3	40-140	5.58	50
Pentachlorobiphenyls	0.35	0.0020	0.400	86.6	40-140	10.7	50
Hexachlorobiphenyls	0.34	0.0020	0.400	83.8	40-140	10.5	50
Heptachlorobiphenyls	0.51	0.0030	0.600	85.1	40-140	10.4	50
Octachlorobiphenyls	0.52	0.0030	0.600	85.9	40-140	9.27	50
Nonachlorobiphenyls	0.94	0.0050	1.00	93.5	40-140	8.27	50
Decachlorobiphenyl	0.82	0.0050	1.00	82.3	40-140	6.71	50

Surrogate: Tetrachloro-m-xylene 0.135 0.200 67.3 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

Certified Analyses included in this Report

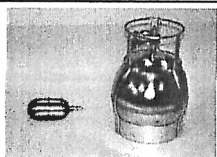
Analyte	Certifications
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TO-10A/EPA 680 Modified in Air

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	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
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	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015



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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 ENV. RECEIVED BY: KKm DATE: 2/10/15

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	<u>4</u>	
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:

122414-02 -05
-19 -16

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 coolers'/boxes' 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.	F		
9) Samples are received within Holding Time.	T		
10) Sample containers have legible labels.	T		
11) Containers/media are not broken or leaking and valves and caps are closed tightly.	T		
12) Sample collection date/times are provided.	T		
13) Appropriate sample/media containers are used.	T		
14) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	T		
15) Trip blanks provided if applicable.	T		

Who notified of False statements?

Date/Time:

Doc #278 Rev. 5 October 2014

Log-In Technician Initials:

Date/Time:

KKM

2/10/15
15:00