

July 31, 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: 14G1252

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, 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: Sandy Owen

REPORT DATE: 7/31/2014

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 14G1252

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
A072601-Rm122	14G1252-01	Air		TO-10A/EPA 680 Modified	
A072602-Rm119	14G1252-02	Air		TO-10A/EPA 680 Modified	
A072603-Blank	14G1252-03	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 "M. Erickson", is displayed on a light gray rectangular background.

Michael A. Erickson
Laboratory Director

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ANALYTICAL RESULTS

Project Location: Osborn School
Date Received: 7/28/2014
Field Sample #: A072601-Rm122
Sample ID: 14G1252-01
Sample Matrix: Air
Sampled: 7/27/2014 00:00

Sample Description/Location:
Sub Description/Location:

Flow Controller ID:
Sample Type:
Air Volume L: 1830

Work Order: 14G1252

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Monochlorobiphenyls	ND	0.0010		ND	0.00055	1	7/30/14	16:56	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00055	1	7/30/14	16:56	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00055	1	7/30/14	16:56	CJM
Tetrachlorobiphenyls	0.010	0.0020		0.0057	0.0011	1	7/30/14	16:56	CJM
Pentachlorobiphenyls	0.021	0.0020		0.012	0.0011	1	7/30/14	16:56	CJM
Hexachlorobiphenyls	0.0038	0.0020		0.0021	0.0011	1	7/30/14	16:56	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0016	1	7/30/14	16:56	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0016	1	7/30/14	16:56	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0027	1	7/30/14	16:56	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0027	1	7/30/14	16:56	CJM
Total Polychlorinated biphenyls	0.036			0.019		1	7/30/14	16:56	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	52.4	50-125	7/30/14 16:56

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ANALYTICAL RESULTS

Project Location: Osborn School
Date Received: 7/28/2014
Field Sample #: A072602-Rm119
Sample ID: 14G1252-02
Sample Matrix: Air
Sampled: 7/27/2014 00:00

Sample Description/Location:
Sub Description/Location:

Flow Controller ID:
Sample Type:
Air Volume L: 1825

Work Order: 14G1252

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Monochlorobiphenyls	ND	0.0010		ND	0.00055	1	7/30/14 17:26		CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00055	1	7/30/14 17:26		CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00055	1	7/30/14 17:26		CJM
Tetrachlorobiphenyls	0.054	0.0020		0.029	0.0011	1	7/30/14 17:26		CJM
Pentachlorobiphenyls	0.13	0.0020		0.069	0.0011	1	7/30/14 17:26		CJM
Hexachlorobiphenyls	0.031	0.0020		0.017	0.0011	1	7/30/14 17:26		CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0016	1	7/30/14 17:26		CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0016	1	7/30/14 17:26		CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0027	1	7/30/14 17:26		CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0027	1	7/30/14 17:26		CJM
Total Polychlorinated biphenyls	0.21			0.11		1	7/30/14 17:26		CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	64.9	50-125	7/30/14 17:26

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ANALYTICAL RESULTS

Project Location: Osborn School
Date Received: 7/28/2014
Field Sample #: A072603-Blank
Sample ID: 14G1252-03
Sample Matrix: Air
Sampled: 7/27/2014 00:00

Sample Description/Location:
Sub Description/Location:

Flow Controller ID:
Sample Type:

Work Order: 14G1252

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	Dilution	Date/Time		Analyst
	Results	RL			Analyzed		
Monochlorobiphenyls	ND	0.0010		1	7/30/14 17:56		CJM
Dichlorobiphenyls	ND	0.0010		1	7/30/14 17:56		CJM
Trichlorobiphenyls	ND	0.0010		1	7/30/14 17:56		CJM
Tetrachlorobiphenyls	ND	0.0020		1	7/30/14 17:56		CJM
Pentachlorobiphenyls	ND	0.0020		1	7/30/14 17:56		CJM
Hexachlorobiphenyls	ND	0.0020		1	7/30/14 17:56		CJM
Heptachlorobiphenyls	ND	0.0030		1	7/30/14 17:56		CJM
Octachlorobiphenyls	ND	0.0030		1	7/30/14 17:56		CJM
Nonachlorobiphenyls	ND	0.0050		1	7/30/14 17:56		CJM
Decachlorobiphenyl	ND	0.0050		1	7/30/14 17:56		CJM
Total Polychlorinated biphenyls	0.0			1	7/30/14 17:56		CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	71.2	50-125	7/30/14 17:56

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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
14G1252-01 [A072601-Rm122]	B101224	1.00	1.00	07/29/14
14G1252-02 [A072602-Rm119]	B101224	1.00	1.00	07/29/14
14G1252-03 [A072603-Blank]	B101224	1.00	1.00	07/29/14

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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 B101224 - SW-846 3540C

Blank (B101224-BLK2)

Prepared: 07/29/14 Analyzed: 07/30/14

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 0.144 0.200 71.8 50-125

LCS (B101224-BS1)

Prepared: 07/29/14 Analyzed: 07/30/14

Monochlorobiphenyls	0.13	0.0010	0.200	65.5	40-140
Dichlorobiphenyls	0.13	0.0010	0.200	64.5	40-140
Trichlorobiphenyls	0.13	0.0010	0.200	64.7	40-140
Tetrachlorobiphenyls	0.26	0.0020	0.400	65.8	40-140
Pentachlorobiphenyls	0.29	0.0020	0.400	71.3	40-140
Hexachlorobiphenyls	0.28	0.0020	0.400	69.4	40-140
Heptachlorobiphenyls	0.42	0.0030	0.600	69.6	40-140
Octachlorobiphenyls	0.42	0.0030	0.600	69.6	40-140
Nonachlorobiphenyls	0.74	0.0050	1.00	73.6	40-140
Decachlorobiphenyl	0.72	0.0050	1.00	72.3	40-140

Surrogate: Tetrachloro-m-xylene 0.144 0.200 72.2 50-125

LCS Dup (B101224-BSD1)

Prepared: 07/29/14 Analyzed: 07/30/14

Monochlorobiphenyls	0.13	0.0010	0.200	65.9	40-140	0.566	50
Dichlorobiphenyls	0.14	0.0010	0.200	70.2	40-140	8.49	50
Trichlorobiphenyls	0.14	0.0010	0.200	72.2	40-140	11.0	50
Tetrachlorobiphenyls	0.30	0.0020	0.400	75.1	40-140	13.2	50
Pentachlorobiphenyls	0.33	0.0020	0.400	82.8	40-140	14.9	50
Hexachlorobiphenyls	0.33	0.0020	0.400	81.5	40-140	16.1	50
Heptachlorobiphenyls	0.49	0.0030	0.600	81.8	40-140	16.1	50
Octachlorobiphenyls	0.49	0.0030	0.600	81.6	40-140	15.8	50
Nonachlorobiphenyls	0.88	0.0050	1.00	87.7	40-140	17.5	50
Decachlorobiphenyl	0.85	0.0050	1.00	85.1	40-140	16.4	50

Surrogate: Tetrachloro-m-xylene 0.133 0.200 66.6 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

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

RECORD

14-1052

39 SPRUCE ST
EAST LONGMEADOW, MA 01028

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DOC#284
Rev. July 2010

Company Name: AMC Environmental

Address: P.O. Box 423

Stratford, CT 06615

Attention: Jason Pringle

Project Location:

Osborn School / Stratford, CT

Sampled By:

Proposal Provided? (For Billing purposes)

☐ Yes ☐ No

Telephone: (203) 378-5020
Project #
Client PO #

DATA DELIVERY (check one):

☐ FAX ☐ EMAIL ☐ WEBSITE CLIENT

Fax #:

Email:

Format: ☐ EXCEL☐ PDF☐ GIS KEY☐ OTHER

Date Sampled

ONLY USE WHEN USING PUMPS

Start Stop

Total

Flow Rate

Volume

Matrix Code*

Field ID

Sample Description

Date

Time

Minutes

M³/Min. or L / Min.Liters or M³

Matrix Code*

01 A072709-Lm112

7/27/14

5.0

1830

✓

02 A072702-Lm119

7/27/14

5.0

1825

✓

03 A072703-Blank

7/27/14

—

—

✓

Laboratory Comments:

CLIENT COMMENTS:

Relinquished by (signature)

Date/Time:

Turnaround **

Regulations:

Special Requirements

*Matrix Code:

**Media Codes:

Received by (signature)

Date/Time:

7-Day

Data Enhancement/RCP?

Y

N

N

Relinquished by (signature)

Date/Time:

10-Day

Enhanced Data Package

Y

N

N

Received by (signature)

Date/Time:

RUSH *

Required Detection Limits:

<50 ng/m³ total PCBs

Other:

BL = BLANK

O = other

SG = SOIL GAS

IA = INDOOR AIR

AMB = AMBIENT

SS = SUB SLAB

D = DUP

C = cassette

O = 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.

AIHA, NELAP & WBE/DBE Certified



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AIR Only Receipt Checklist

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

CLIENT NAME: AMC Environmental RECEIVED BY: CC DATE: 7-28-14

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	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:

LOT #'s:

07-24-2010-1, 07-24-2010-2, 07-24-2010-3

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.	T		
3) Samples were received on ice.	T		
4) Cooler Temperature is acceptable.	T		
5) Cooler Temperature is recorded.	T → 5°C		
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		