

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

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", is written over a light gray rectangular background.

Daren J. Damboragian
Laboratory Manager

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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:

Flow Controller ID:

Sample Type:

Air Volume L: 1800

Work Order: 14H0405

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	0.00056	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

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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		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
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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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		Flag/Qual	Dilution	Date/Time		Analyst
	Results	RL			Analyzed		
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

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

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

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.

Certifications

AIHA

Total Polychlorinated biphenyls

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

14140405

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

Sampled By: B. Graham

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*

Date Time Date Time Minutes Sampled L / Min. Liters or M³

8/9/14 360 1800

8/9/14 362 1810

8/9/14

TO10A/EPA 680 Homolog

ANALYSIS REQUESTED

REQUESTED

"Hg

PLEASE fill out completely, sign, date and retain the yellow copy for your record.

Summa canisters and flow controllers must be returned within 14 days of receipt or rental fees will apply.

Summa canisters will be retained for a minimum of 14 days after sampling date prior to cleaning.

Summa Canister ID

Flow Controller ID

Laboratory Comments:

CLIENT COMMENTS:

Relinquished by: (signature)

Date/Time:

Turnaround **

☐ 7-Day

☐ 10-Day

☐ Other

RUSH *

☐ *24-Hr ☐ *48-Hr ☒ *72-Hr ☐ *4-Day

*Approval Required

Special Requirements

Regulations:

Data Enhancement/RCP? ☐ Y ☐ N

Enhanced Data Package ☐ Y ☐ N

(Surcharge Applies)

Required Detection Limits: <50 ng/m³ total PCBs

Other:

*Matrix Code:

SG = SOIL GAS

IA = INDOOR AIR

AMB = AMBIENT

SS = SUB SLAB

D = DUP

BL = BLANK

O = other

**Media Codes:

S = Summa can

T = Tedlar bag

P = PUF

T = tube

F = filter

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.

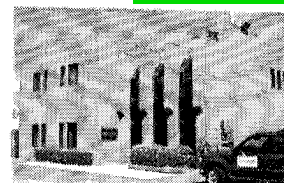
AIHA, NELAP & WBE/DBE Certified

SHIPERS SIGNATURE X										OFFICE - WHITE		DELIVERY - YELLOW		SHIPPER - PINK			
UNLESS A GREATER VALUE IS DECLARED HEREIN THE SHIPPER AGREES AND DECLARES THAT THE VALUE OF THE PROPERTY IS THE ACTUAL VALUE OR IS THE RELEASED VALUE TO THE EXTENT OF EXCEEDING THE GREATER OF \$100.00 PER SHIPMENT OR FIFTY CENTS PER POUND										VALUE DOLLARS ONLY		DESCRIPTION OF CONTENTS		NO OF PIECES		WEIGHT	
THIS IS TO CERTIFY THAT THE ABOVE NAMED ARTICLES ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.										RECEIVED IN GOOD ORDER		NO. INITIALS		DATE		TIME	
SHIPPER'S SIGNATURE X										OFFICE - WHITE		DELIVERY - YELLOW		SHIPPER - PINK			
PICKUP FROM										DELIVERY TO		CONTROL NUMBER		DATE			
PICKUP DRIVER										DELIVERY DRIVER		ROOM/FL		CHARGE			
TIME ARR										TIME DEP		EXCLUSIVE		MULTIPLE			
DETENTION TIME INITIALS										RETURN		SPECIAL INSTRUCTIONS		ROOM/FL		CHARGE	
INS.										X-STOP		O.P.T.		WGT		DELIVERY SERVICE	
TOTAL CHARGE										OTHER CHARGE		01 - ICC		02 - PUC		03 - DOT	
												04 - ICC CONTRACT		05 - PUC		06 - DOT	

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East Longmeadow, MA. 01028
P: 413-525-2332
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Sample Receipt Checklist

CLIENT NAME: Amc RECEIVED BY: MT DATE: 8/9/14

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 Rich Date 8/9/14 Time 9:30

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	
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 RFS

07-24-2014-9

080714-01

07-24-2014-10

40 mL vials: # HCl _____ # Methanol _____

Doc# 277

Bisulfate _____ # DI Water _____

Rev. 4 August 2013

Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

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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	Any False statement will be brought to the attention of Client		Comment
	Answer (True/False)		
	T/F/NA		
1) The cooler's custody seal, if present, is intact.	T		
2) The cooler or samples do not appear to have been compromised or tampered with.	T		
3) Samples were received on ice.	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		

Doc #277 Rev. 4 August 2013

Who notified of False statements?

Log-In Technician Initials:

Date/Time:

Date/Time:

MJ 8/9/14 9:30