

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, appearing to read "Lisa Worthington", is written 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: 8/19/2014

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	

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 Kopycinski", with a stylized, cursive script.

Tod E. Kopycinski
Laboratory Director

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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							
Decachlorobiphenyl [2]	75.8	30-150							
Tetrachloro-m-xylene [1]	74.5	30-150							
Tetrachloro-m-xylene [2]	82.0	30-150							

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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 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			

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

LCS

Lab Sample ID: B102767-BS1 Date(s) Analyzed: 08/18/2014 08/18/2014

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	0.45	
	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**

SW-846 8082A

LCS Dup

Lab Sample ID: B102767-BSD1 Date(s) Analyzed: 08/18/2014 08/18/2014

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	0.47	
	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.

CERTIFICATIONS**Certified Analyses included in this Report**

Analyte	Certifications
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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
ANALYTICAL LABORATORY

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

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
Stratford, CT 06615

Project #

Client PO#

Attention: Jason Pringle

DATA DELIVERY (check all that apply)
☐ FAX ☒ EMAIL ☐ WEBSITE

Project Location: Osborn School

Fax #

Sampled By: B. Graham

Email: results@amcenviro.com

Project Proposal Provided? (for billing purposes)
☐ Yes ☐ No (proposal date)

Format:

Collection

☐ PDF ☐ EXCEL ☐ GIS
☐ OTHER
☐ "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)

Beginning Date/Time

Ending Date/Time

Composite

Grab

*Matrix Code

Conc. Code

Soxhlet 8082A

W0814-01

Main Hallway Metal

8/14/14

8/14/14

W0814-02

Behind Love Base

8/14/14

8/14/14

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East Longmeadow, MA. 01028
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Sample Receipt Checklist

CLIENT NAME: AMC Env RECEIVED BY: CEC DATE: 8/15/14

- 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 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: 14

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>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 _____

Bisulfate _____ # DI Water _____

Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Doc# 277

Rev. 4 August 2013

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.	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.	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		

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Who notified of False statements?

Log-In Technician Initials:

CEC

Date/Time:

Date/Time:

8/15/14 0945