Fairfield Public Schools Fairfield, CT 06825

TO:

Dr. David Title and Members of the Board of Education

FROM:

Salvatore Morabito

DATE:

September 25, 2012

RE:

Osborn Hill Window Replacement Project Testing

Additional PCB Testing Results

This letter is to notify you that the Fairfield Public School District has received the laboratory results for the additional Polychlorinated Biphenyl (PCB) testing conducted at Osborn Hill School on August 27 through September 12, 2012. The additional testing was performed to confirm the effectiveness of the specialized cleaning in room 107, room 108 and of educational materials removed from the Library Media Center (LMC). In addition, testing was conducted on exterior soils and on additional materials/spaces within the LMC/gym corridor/toilet room containment areas.

The results of these additional tests (previously reported verbally to Central Office staff) were used to determine that rooms107 and 108 were safe for re-occupancy and that the materials removed from the LMC were safe for use. Our testing company (AMC Environmental) has notified both the CT DEEP and the US EPA of its findings.

The analytical results that were attached to the AMC Report will be posted on the Fairfield Public Schools' website.

If you have any questions or concerns regarding these PCB test results or the upcoming clean-up, please feel free to contact me at (203) 255-7363.

Thank you.

c:

Meg Brown Central Office Administration Sands Cleary



September 21, 2012

Mr. Sal Morabito
Fairfield Public Schools
501 Kings Highway East
Fairfield, CT 06824

RE: PCB Air and Bulk Sampling at Osborne Hill Elementary School in Fairfield, CT

Dear Mr. Morabito:

INTRODUCTION

Following the previously published sample data for Osborn Hill School, AMC returned to the school to assess the identified areas of concern. In this assessment, additional air, bulk, and wipe samples were obtained from within the remaining containments and classrooms which have yet to achieve acceptable testing results.

Wipes and bulk samples were obtained from the library/reading-room/hall containment and the boys/girls bathroom containment. Samples were collected from the suspended ceiling grid and above.

Also, air samples were collected from within the two kindergarten classrooms (107 and 108) following specialized cleaning activities.

BACKGROUND

Following the failed air and wipe samples from within the remaining two containments, Indoor Air Technologies (IAT) returned to OHS to repeat final cleaning efforts within the designated areas. Specialized cleaning procedures were implemented throughout the work areas from floor to ceiling. IAT also cleaned off numerous books from within the library and placed them into containers to wait wipe testing. After further sampling and analysis, the data suggests that the reason for the failed air tests in these areas may be contributed to the ceiling tiles being crossed contaminated during the course of the duct cleaning activities. As air is pulled from the room by the air scrubbers, the settled PCB's within and above the acoustical ceiling has the potential to be released into the surrounding environment inside the containment. In addition, there is potential for contamination from unidentified breeches within the ductwork from the adjacent "contaminated" gymnasium and its associated ductwork that travels through the library area. An evaluation of the shared wall between the two areas (gym & library) as well as the duct work was performed prior to the initial duct cleaning activities and was found to be acceptable. The section of the gymnasium ductwork that travels through the library did not appear to have any breeches within the system.

AMC Environmental, LLC

Phone; 203.378.5020 Fax: 203.375,7344 Email; amc@amcenviro.com

> P.O Box 423 Stratford, CT

Osborne Hill School September 21, 2012 Page 2 of 8

In the lower wing of the school where the kindergarten classrooms are present, several sets of air samples have been collected throughout the last several weeks to document the levels of PCB's within the air. Specifically in the kindergarten (lower) wing rooms 107 and 108, data collected continued to display concentrations that exceeded the EPA recommended level of 100 ng/m3 of air threshold. Therefore a cleaning effort was organized and employed that consisted of specialized cleaning procedures. The efforts included the cleaning of all surfaces and objects within the room using HEPA vacuuming and wet wiping methods using approved cleaning solvents. During the cleaning, the area was isolated and was performed under a negative air enclosure. Work was done on the weekend when no children were present.

A summary of the sampling and results obtained within the school is explained in more detail in the section below.

SAMPLING AND RESULTS

Air Samples

Air samples were obtained within the school on August 27, 30 and September 12, 2012.

All air samples obtained from within the remaining two containments continue to be unacceptable, despite repeated attempts to clean the areas. Samples ranged between 500 and 5,000 ng/m3 of air. Below is a table outlining the sample details.

•	8/27/2	2 <u>012</u>	<u>8/30</u>	<u>/12</u>
<u>Location</u>	Sample #	Result ng/m³	Sample#	Result
Library/Gym Hall	C-01	760	The Control of the Co	TEATH VE
Library	C-02	590	C-03*	5000
Girls Bath	C-04	1300		

^{*} Air sample obtained above the ceiling.

Two sets of air samples were collected from within the kindergarten rooms 107 and 108 during this last assessment. One set was obtained prior to the rooms being cleaned and another set was obtained following the cleaning efforts. Following the specialized cleaning, the air samples collected on September 12, 2012 document acceptable levels of PCB's in air for children under the age of 6 years old.

	<u>8/30/</u>	12	9/12/	12
Location	Sample #	Result	Sample#	Result ng/m³
Room 107	C-01	130	C-01	5.9
Room 108	C-02	170	C-02	22

Wipe Samples

PCB dust wipes were obtained from several locations on and above the suspended ceiling within the library, main hall, reading room and boys and girls bathroom. A number of the wipes collected documented un-acceptable levels of PCB dust still to be present on surfaces within the containment. The wipes were obtained above ceiling tiles, the suspended ceiling track and the outside of metal ductwork.

Sample Number	Location	Results ug/m³
	August 30, 2012 Wipe Samples	100 mg/m
C-01	Library above ceiling on pipe	10 ug/wipe
C-02	Library above ceiling on grid	3.6 ug/wipe
C-03	Library above ceiling on duct	1.6 ug/wipe
C-04	Library above ceiling on ceiling tile	7.1 ug/wipe
C-05	Library above ceiling on grid	2.3 ug/wipe
	September 6, 2012	949 (252 PM 20 3) (444 F (65. 2) (67. 3)
	Wipe Samples	
C-01	Girl's bath above ceiling	0.57 ug/wipe
C-02	Boy's bath above ceiling	0.79 ug/wipe
C-03	Reading room above ceiling	0.42 ug/wipe
C-04	Computer room above ceiling	4.3 ug/wipe
C-05	Gym hall above ceiling	174 ug/wipe
C-06	Book storage above ceiling	3.4 ug/wipe

Samples documented in bold exceed the EPA recommended levels for PCB's in dust.

Representative wipe samples were obtained from several books that were requested to be removed from the containment. Samples were collected both on the covers and inside the books. The results of these wipes document no detection of PCB's on or within the books.

Sample Number	Location 1991	Results ug/m³
	September 11, 2012 Wipe Samples	
P-01	Book Cover – Marco Polo	ND
P-02	Inside Book – Welcome to Kindergarten	ND
P-03	Book Cover – Thidwick Moose	ND
P-04	Book Cover – Boo in the Sky	ND
P-05	Inside Book – Dear Mrs. Larue	ND
P-06	Book Cover – The Keeping Quilt	ND
P-07	Book Cover – How to Steal a Dog	ND
P-08	Inside Book – Puppy Love	ND
P-09	Book Cover – Stanley Flat Again	ND
P-10	Book Cover – Johnny Boo	ND

Sample Numbe		Results ug/m³
	September 11, 2012	uym -
P-11	Wipe Samples – continued Book Cover – Secret Agent 3	ND ND
P-12	Book Cover – Biscuit Wants to Play	ND
P-13	Inside Book – Worlds End	ND ND
P-14	CD Cover	ND
P-15	Power Strip	ND ND

Bulk Samples

As previously discussed, several bulk samples of ceiling tile were obtained from within the containments. The reason for sampling the ceiling tile was to identify if PCB's were present within the ceiling tile itself. The results of the ceiling tile obtained from various locations within the containments document a range of concentrations in each area. AMC believes that the presence of PCB's within the ceiling tile and plenum above is playing a role in the un-acceptable air concentrations documented within the rooms inside containment.

Sample Number	Location 1 1991	Results mg/Kg
	September 12, 2012 Bulk Samples	Andrew Commence of the Commenc
C-01	Library Ceiling Tile	40 mg/kg
C-02	Library Ceiling Tile	39 mg/kg
C-03	Library Ceiling Tile	37 mg/kg
C-04	Library Ceiling Tile	55 mg/kg
C-05 ·	Hallway Ceiling Tile	11 mg/kg
C-06	Hallway Ceiling Tile	12 mg/kg
C-07	Hallway Ceiling Tile	17 mg/kg
C-08	Reading Room Ceiling Tile	4.0 mg/kg
C-09	Reading Room Ceiling Tile	4.6 mg/kg
C-10	Girls Bath Ceiling Tile	8.3 mg/kg
C-11	Girls Bath Ceiling Tile	10 mg/kg

Samples in bold document levels that exceed the State and Federal guidelines of 1 mg/kg (ppm).

CONCLUSION

The samples obtained during this final clearance sampling inspection document variable results and concerns. The majority of the samples illustrate un-acceptable levels of PCB concentrations within the containments. Based off of the results during this phase of testing, AMC believes that accumulated PCB containing dust within and above the ceiling tiles is adversely affecting the airborne levels that have been documented within these areas. AMC recommends removing all ceiling tile from the work area and disposing of it as a PCB remediation waste. Furthermore, the work areas (within

Osborne Hill School September 21, 2012 Page 5 of 8

containment) will need to be re-cleaned, with focus on the area above the suspended ceiling. Additionally, a more aggressive assessment of potential breeches in the shared wall between the gym and library/hall containment should be conducted. Lastly, the gymnasium ductwork that travels within the library should be cleaned while the area is still under containment so that the library, once cleaned, will not need to be reincorporated into a work area in the future when a decision is made with what to do with the gym.

With respect to the kindergarten wing, the two rooms (107 & 108) are now considered to be below the 100 ng/m³ threshold that EPA recommends. Therefore these rooms will be considered acceptable based on EPA's recommended levels. Ongoing surveillance and monitoring will be carried out to ensure these levels are maintained throughout the year.

Very truly yours,

Richard Onofrio

Environmental Consultant

Hickord Onefins

RO:so

Enclosure

Osborne Hill School September 21, 2012 Page 6 of 8

<u>Laboratory Results – PCB Air Samples</u>

August 30, 2012

Accounts Payable AMC Environmental, LLC PO Box 423 Stratford, CT 06615

Project Location: Osborn Hill School

Client Job Number: Project Number: [none]

Laboratory Work Order Number: 12H0891

Lua Wasslengton

Enclosed are results of analyses for samples received by the laboratory on August 28, 2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa A. Worthington Project Manager



AMC Environmental, LLC

PO Box 423 Stratford, CT 06615 ATTN: Accounts Payable

REPORT DATE: 8/30/2012

PURCHASE ORDER NUMBER:

PROJECT NUMBER:

[none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER:

12H0891

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 School

FIELD SAMPLE#	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB	
Air-01	12H0891-01	Indoor air	Gym Hall	TO-10A/EPA 680 Modified		
Air-02	12H0891-02	Indoor air	Library	TO-10A/EPA 680 Modified		
Air-04	12H0891-04	Indoor air	Girls Bath	TO-10A/EPA 680 Modified		



CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality con	trol objectives unless listed below or otherwise qualified in this	report.
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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.

Daren J. Damboragian Laboratory Manager



ANALYTICAL RESULTS

Work Order: 12H0891

Project Location: Osborn Hill School

Date Received: 8/28/2012 Field Sample #: Air-01

Sample ID: 12H0891-01 Sample Matrix: Indoor air Sampled: 8/27/2012 16:00 Sample Description/Location: Gym Hall

Sub Description/Location:

Flow Controller ID: Sample Type:

Air Volume L: 1235

TO-10A/EPA 680 Modified

	Tota	ıl µg		ug	/m3		Date/Time	
Analyte	Results	RL	Flag	Results	RL	Dilution	Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00081	1	8/29/12 12:11	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00081	1	8/29/12 12:11	CJM
Trichlorobiphenyls	0.0082	0.0010		0.0066	0.00081	1	8/29/12 12:11	CJM
Tetrachlorobiphenyls	0.22	0.0020		0.18	0.0016	1	8/29/12 12:11	CJM
Pentachlorobiphenyls	0.56	0.0020		0.45	0.0016	1	8/29/12 12:11	CJM
dexachlorobiphenyls	0.15	0.0020		0.12	0.0016	1	8/29/12 12:11	CJM
Heptachlorobiphenyls	0.0076	0.0030		0.0061	0,0024	1	8/29/12 12:11	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0024	I	8/29/12 12:11	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.004	1	8/29/12 12:11	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.004	1	8/29/12 12:11	CJM
Total Polychlorinated biphenyls	0.94		·	0.76		1	8/29/12 12:11	CJM
Surrogates	% Recor	very		% RE	C Limits			
Fetrachloro-m-xylene		85.2		50	-125		8/29/12 12:11	



ANALYTICAL RESULTS

Work Order: 12H0891

Project Location: Osborn Hill School

Date Received: 8/28/2012 Field Sample #: Air-02 Sample ID: 12H0891-02

Sample Matrix: Indoor air Sampled: 8/27/2012 16:00 Sample Description/Location: Library

Sub Description/Location:

Flow Controller ID: Sample Type:

Air Volume L: 1235

		TO-10A/E	PA 680 Mod	ified					
	Tota	Total µg		ug/m3			Date/Time		
Analyte	Results	RL	Flag	Results	RL	Dilution	Analyzed	Analyst	
Monochlorobiphenyls	ND	0.0010		ND	0.00081	1	8/29/12 12:46	CJM	
Dichlorobiphenyls	ND	0.0010		ND	0.00081	1	8/29/12 12:46	CJM	
Trichlorobiphenyls	0.0084	0.0010		0.0068	0.00081	I	8/29/12 12:46	CJM	
Tetrachlorobiphenyls	0.20	0.0020		0.16	0.0016	Ī	8/29/12 12:46	CJM	
Pentachlorobiphenyls	0.43	0.0020		0.35	0.0016	1	8/29/12 12:46	CJM	
Hexachlorobiphenyls	0.099	0.0020		0.080	0.0016	1	8/29/12 12:46	CJM	
Heptachlorobiphenyls	ND	0.0030		ND	0.0024	Ĩ	8/29/12 12:46	CJM	
Octachlorobiphenyls	ND	0.0030		ND	0.0024	Ĩ	8/29/12 12:46	CJM	
Nonachlorobiphenyls	ND	0.0050		ND	0.004	1	8/29/12 12:46	CJM	
Decachlorobiphenyl	ND	0.0050		ND	0.004	1	8/29/12 12:46	CJM	
Total Polychlorinated biphenyls	0.73			0.59		Ī	8/29/12 12:46	CJM	
Surrogates	% Reco	very		% RE	C Limits				
Tetrachloro-m-xylene		88.7		50)-125		8/29/12 12:46		

Tetrachloro-m-xylene 50-125 8/29/12 12:46 88.7



ANALYTICAL RESULTS

Project Location: Osborn Hill School

Date Received: 8/28/2012 Field Sample #: Air-04 Sample Description/Location: Girls Bath

Sub Description/Location:

Work Order: 12H0891

Sample ID: 12H0891-04

Sample Matrix: Indoor air Sampled: 8/27/2012 16:00

Flow Controller ID: Sample Type: Air Volume L: 1225

TO-10A/EPA 680 Modified

	Tota	ıl μg		ug	/m3		Date/Time	
Analyte	Results	RL	Flag	Results	RL	Dilution	Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00082	1	8/29/12 13:20	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00082	1	8/29/12 13:20	CJM
Trichlorobiphenyls	0.019	0.0010		0.015	0.00082	Ī	8/29/12 13:20	CJM
Tetrachlorobiphenyls	0.44	0.0020		0.36	0.0016	Ī	8/29/12 13:20	CJM
Pentachlorobiphenyls	0.91	0.0020		0.74	0.0016	1	8/29/12 13:20	CJM
Hexachlorobiphenyls	0.18	0.0020		0.15	0.0016	Ī	8/29/12 13:20	CJM
Heptachlorobiphenyls	0.0066	0.0030		0.0054	0.0024	1	8/29/12 13:20	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0024	1	8/29/12 13:20	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0041	. 1	8/29/12 13:20	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0041	Í	8/29/12 13:20	CJM
Total Polychlorinated biphenyls	1.6			1.3	Aprillian and America	1	8/29/12 13:20	CJM
Surrogates	% Reco	very		% RE	C Limits			
7		92.0		61	125		9/20/12 12:20	



Sample Extraction Data

Prep Method: SW-846 3540C-TO-10A/EPA 680 Modified

Lab Number [Field ID]	Batch	Initial [Cartridge	Final [mL]	Date
12H0891-01 [Air-01]	B057767	1.00	1.00	08/28/12
12H0891-02 [Air-02]	B057767	1,00	1.00	08/28/12
12H0891-04 [Air-04]	B057767	1,00	1.00	08/28/12



QUALITY CONTROL

PCB Homologues by GC/MS with Soxhlet Extraction - Quality Control

Analyte	Tota Results	lμg RL	ug/m3 Results	RL	Spike Level Total µg	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch B057767 - SW-846 3540C	results	ND.	Toodito	IXL3	roun μg						
		-			Prepared: 08/	28/12 Analy	zed: 08/29/1	2			
Blank (B057767-BLK1) Monochlorobiphenyls	ND	0.0010			1/ 1 0 0/			7 <u>25)</u>			
Dichlorobiphenyls	ND	0.0010									
Trichlorobiphenyls	ND	0.0010									
Tetrachlorobiphenyls	ND	0.0010									
Pentachlorobiphenyls	ND	0.0020									
Hexachlorobiphenyls	ND	0.0020									
Heptachlorobiphenyls	ND	0.0020									
Octachlorobiphenyls	ND	0.0030									
Nonachlorobiphenyls	ND	0.0050									
Decachlorobiphenyl	ND	0.0050									
Total Polychlorinated biphenyls	0.0										
Surrogate: Tetrachloro-m-xylene	0.170				0,200		85.2	50-125			
And the control of th					Prepared: 08/	28/12 Analy					
LCS (B057767-BS1) Monochlorobiphenyls	0.11	0.0010			0.200		52.7	40-140			
	0.11	0.0010			0.200		52.1	40-140			
Dichlorobiphenyls Frichlorobiphenyls	0.10	0.0010			0.200		53.8	40-140			
Fetrachlorobiphenyls	0.11	0.0010			0.400		55.9	40-140			
Pentachlorobiphenyls	0.22	0.0020			0.400		54.9	40-140			
Hexachlorobiphenyls	0.21	0.0020			0.400		53.2	40-140			
Heptachlorobiphenyls	0.32	0.0020			0.600		53.8	40-140			
Octachlorobiphenyls	0.32	0.0030			0.600		53.0	40-140			
Nonachlorobiphenyls	0.58	0.0050			1.00		58.1	40-140			
Decachlorobiphenyl	0.58	0.0050			1.00		57.6	40-140			
Surrogate: Tetrachloro-m-xylene	0.122	0.0000			0.200		61.2	50-125		41	
	VI. 42				Prepared: 08/	28/12 Apals					
LCS Dup (B057767-BSD1)	0.17	0.0010	9		0.200		85.8	40-140	47.7	50	
Monochlorobiphenyls	0.17	0.0010			0.200		83.0	40-140	47.7	50	
Dichlorobiphenyls Trichlorobiphenyls	0.17	0.0010			0.200		82.6	40-140	43.7	50	
Fetrachlorobiphenyls	0.17	0.0010			0.400		84.5	40-140	40.7	50	
i	0.34	0.0020			0.400		85.9	40-140	44.0	50	
Pentachlorobiphenyls Hexachlorobiphenyls	0.34	0.0020			0.400		83.2	40-140	44.0	50	
Teptachlorobiphenyls	0.50	0.0020			0.600		83.7	40-140	43.5	50	
Detachlorobiphenyls	0.30	0.0030			0.600		82.4	40-140	43.4	50	
Octaentorobiphenyls Nonachlorobiphenyls	0.49	0.0050			1.00		92.0	40-140	45.4	50	
							91.6				
Decachlorobiphenyl	0.92	0.0050			1.00		91.0	40-140	45.6	50	



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.



CERTIFICATIONS

Certified Analyses included in this Report

Analyte

Certifications

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	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2013
СТ	Connecticut Department of Publile Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2013
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2013
RI	Rhode Island Department of Health	LAO00112	12/30/2012
NC	North Carolina Div. of Water Quality	652	12/31/2012
NJ	New Jersey DEP	MA007 NELAP	06/30/2013
FL	Florida Department of Health	E871027 NELAP	06/30/2013
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2013
WA	State of Washington Department of Ecology	C2065	02/23/2013
ME	State of Maine	2011028	06/9/2013
VA	Commonwealth of Virginia	1381	12/14/2012

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ANALYTICAL LABORATORY	con-test

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8/28/12 12:10	Date/Time:	878 17 17	Date/Tirbe: 12 10	19/18/19	Date/Fire: 45	8.27.12 8	Date/Time: ,49						· ·		04	03	02	10	Lab#				**						•		www.contestlabs.com	Email: info@contestlabs.com	Fax: 413-525-6405	Phone: 413-525-2332
*Approval Required	□ *72-H □ *4-Day	□ *24-HF 148-Hr	* HSUB		. 10-Day	☐ 7-Day	Turnaround **								n 55 "	1153 4	1153 4	1153 4	Time Time	art	Date Sampled	Format: D EXCEL	Email:	Fax #:	DFAX DEMAIL DWEBSITE	DATA DELIV		Oliont DO #	Project #	Telephone:(s.com	· .	AIR SAMPLE CHAIN OF CUSTOD
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		Required Detection Limits:	(Surchage Applies)	Enhanced Data Package	Data Enhancement/RCP?	ns:	Special			CLIENT COMME					•	W	2	٣	L/Min. or	Flow Rate	ONLY USE WHEN USING	O GIS KEY			E CLIENT						~	_	RD)F CUST
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O = other	BL = E	D=DUP	SS =	AMB=	IA= F	SG= S	*Matri																						ESTE	ANALYSIS			NDOW, N	
her	BL = BLANK	등	SS = SUB SLAB	AMB=AMBIENT	IA= INDOOR AIR	SG= SOIL GAS	*Matrix Code:		•		-	-							6 -			. 0							<u> </u>	<u></u>	- I		1A 0102	
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INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT. "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 AIHA, NELAC & WBE/DBE Certified

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

www.contestlabs.com





Sample Receipt Checklist

CLIENT NAME: AMC EN		/ED BY:	DATE: 8/28/12
1) Was the chain(s) of custody relin	quished and signed?	Yes No	No CoC Included
2) Does the chain agree with the sa If not, explain:	-	Yes No	
Are all the samples in good cond If not, explain:	lition?	Yes No	
4) How were the samples received:			
On Ice Direct from Samp	oling Ambien	t 🔲 In Cooler(s)	N
Were the samples received in Temp	erature Compliance of (2	• •	
Temperature °C by Temp blank	Temper	rature °C by Temp gun	5,1°C
5) Are there Dissolved samples for	the lab to filter?	Yes No	
Who was notified		me	
6) Are there any RUSH or SHORT H		Yes No	
Who was notifiedWL		۱	
			contract samples? Yes No
7) Location where samples are stored:		11	· ·
, and the state of	Login	! i	ly) if not already approved
9		Client Signature:	
8) Do all samples have the proper A	Acid pH: Yes No (N		· · · · · · · · · · · · · · · · · · ·
Do all samples have the proper E	Base pH: Yes No / N	/A)	
10) Was the PC notified of any discr	epancies with the CoC v	s the samples: Yes	No N/A
Con	tainers received	d at Con-Test	
	# of containers		# of containers
1 Liter Amber		8 oz amber/clear ja	ar
500 mL Amber		4 oz amber/clear ja	ar
250 mL Amber (8oz amber)		2 oz amber/clear ja	ar
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tub	
250 mL plastic		Plastic Bag / Ziplo	C
40 mL Vial - type listed below		PM 2.5 / PM 10	
Colisure / bacteria bottle Dissolved Oxygen bottle		PUF Cartridge	
Encore		SOC Kit TO-17 Tubes	
Flashpoint bottle		Non-ConTest Conta	inor
Perchlorate Kit		Other glass jar	11101
Other		Other	
Laboratory Comments:	to initial	Onto	
40 mL vials: # HCI	# Methanol		Time and Date Frozen:
Kura is disability tagagagagagaga			
Doc# 277 # Bisulfate	# DI Water		



September 4, 2012

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: 12H1080

Lua Warrengton

Enclosed are results of analyses for samples received by the laboratory on August 31, 2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa A. Worthington Project Manager



AMC Environmental, LLC PO Box 423 Stratford, CT 06615 ATTN: Sandy Owen REPORT DATE: 9/4/2012

PURCHASE ORDER NUMBER:

PROJECT NUMBER:

[none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER:

12H1080

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	
8039 Air 01	12H1080-01	Air	Rm 107	TO-10A/EPA 680 Modified		
8039 Air 02	12H1080-02	Air	Rm 108	TO-10A/EPA 680 Modified		
8039 Air 03	12H1080-03	Air	Library Above Ceiling Tile	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.

TO-10A/EPA 680 Modified

Qualifications:

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Monochlorobiphenyls

12H1080-01[8039 Air 01], 12H1080-02[8039 Air 02], 12H1080-03[8039 Air 03]

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.

Michael A. Erickson Laboratory Director

m Culu



ANALYTICAL RESULTS

Project Location: Osborn School Date Received: 8/31/2012 Sample Description/Location: Rm 107

Sub Description/Location:

Work Order: 12H1080

Field Sample #: 8039 Air 01 Sample ID: 12H1080-01

Sample 1D: 12H1000-01
Sample Matrix: Air
Sampled: 8/30/2012 08:03

Flow Controller ID: Sample Type: Air Volume L: 1225

TO-10A/EPA 680 Modified

	Tota	ıl µg		ug/	/m3		Date/Time			
Analyte	Results	RL	Flag	Results	RL	Dilution	Analyzed	Analyst		
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00082	Ī	9/1/12 12:08	CJM		
Dichlorobiphenyls	ND	0.0010		ND	0.00082	1	9/1/12 12:08	CJM		
Trichlorobiphenyls	ND	0.0010		ND	0.00082	1	9/1/12 12:08	CJM		
Tetrachlorobiphenyls	0.056	0.0020		0.046	0.0016	1	9/1/12 12:08	CJM		
Pentachlorobiphenyls	0.085	0.0020		0.069	0.0016	1	9/1/12 12:08	CJM		
Hexachlorobiphenyls	0.013	0.0020		0.011	0.0016	1	9/1/12 12:08	CJM		
Heptachlorobiphenyls	ND	0.0030		ND	0.0024	1	9/1/12 12:08	CJM		
Octachlorobiphenyls	ND	0.0030		ND	0.0024	1	9/1/12 12:08	CJM		
Nonachlorobiphenyls	ND	0.0050		ND	0.0041	1	9/1/12 12:08	CJM		
Decachlorobiphenyl	ND	0.0050		ND	0.0041	1	9/1/12 12:08	CJM		
Total Polychlorinated biphenyls	0.15			0.13		1	9/1/12 12:08	CJM		
Surrogates	% Reco	very		% RE	C Limits					
Tetrachloro-m-xylene		106		50)-125		9/1/12 12:08			



ANALYTICAL RESULTS

Project Location: Osborn School Date Received: 8/31/2012 Field Sample #: 8039 Air 02 Sample Description/Location: Rm 108 Sub Description/Location:

Work Order: 12H1080

Field Sample #: 8039 Air 02 Sample ID: 12H1080-02

Sample Matrix: Air Sampled: 8/30/2012 08:00 Flow Controller ID: Sample Type: Air Volume L: 1210

TO-10A/EPA 680 Modified

	Tota	ıl μg		ug	/m3		Date/Time	
Analyte	Results	RL	Flag	Results	RL	Dilution	Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00083	1	9/1/12 12:42	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	9/1/12 12:42	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00083	1	9/1/12 12:42	CJM
Tetrachlorobiphenyls	0.070	0.0020		0.057	0.0017	1	9/1/12 12:42	CJM
Pentachlorobiphenyls	0.11	0.0020		0.094	0.0017	1	9/1/12 12:42	CJM
Hexachlorobiphenyls	0.019	0.0020		0.016	0.0017	Ĭ	9/1/12 12:42	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	9/1/12 12:42	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	9/1/12 12:42	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0041	1	9/1/12 12:42	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0041	1	9/1/12 12:42	CJM
Total Polychlorinated biphenyls	0.20			0.17		1	9/1/12 12:42	CJM
Surrogates	% Reco	very		% RE	C Limits			
Tetrachloro-m-xylene		89.2		50)-125		9/1/12 12:42	



ANALYTICAL RESULTS

Project Location: Osborn School Date Received: 8/31/2012 Field Sample #: 8039 Air 03

Sample Description/Location: Library Above Ceiling Tile Sub Description/Location:

Work Order: 12H1080

Sample ID: 12H1080-03

Sample Matrix: Air Sampled: 8/30/2012 08:10 Flow Controller ID: Sample Type: Air Volume L: 1240

TO-10A/EPA 680 Modified

	Tota	Total μg			m3		Date/Time			
Analyte	Results	RL	Flag	Results	RL	Dilution	Analyzed	Analyst		
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00081	1	9/1/12 13:16	CJM		
Dichlorobiphenyls	ND	0.0010		ND	0.00081	1	9/1/12 13:16	CJM		
Trichlorobiphenyls	0.060	0.0010		0.048	0.00081	1	9/1/12 13:16	CJM		
Tetrachlorobiphenyls	1.5	0.0020		1.2	0.0016	1	9/1/12 13:16	CJM		
Pentachlorobiphenyls	3.6	0.0020		2.9	0.0016	1	9/1/12 13:16	CJM		
Hexachlorobiphenyls	0.93	0.0020		0.75	0.0016	1	9/1/12 13:16	CJM		
Heptachlorobiphenyls	0.045	0.0030		0.037	0.0024	1	9/1/12 13:16	CJM		
Octachlorobiphenyls	ND	0.0030		ND	0.0024	1	9/1/12 13:16	CJM		
Nonachlorobiphenyls	ND	0.0050		ND	0.004	1	9/1/12 13:16	CJM		
Decachlorobiphenyl	ND	0.0050		ND	0.004	1	9/1/12 13:16	CJM		
Total Polychlorinated biphenyls	6.2			5.0		1	9/1/12 13:16	CJM		

% Recovery % REC Limits Surrogates

9/1/12 13:16 Tetrachloro-m-xylene 100 50-125



Sample Extraction Data

Prep Method: SW-846 3540C-TO-10A/EPA 680 Modified

Lab Number [Field ID]	Batch	Initial [Cartridge	Final [mL]	Date	
12H1080-01 [8039 Air 01]	B058009	1.00	1.00	08/31/12	
12H1080-02 [8039 Air 02]	B058009	1.00	1.00	08/31/12	
12H1080-03 [8039 Air 03]	B058009	1.00	1.00	08/31/12	



QUALITY CONTROL

PCB Homologues by GC/MS with Soxhlet Extraction - Quality Control

Analyte		al µg	ug/r		Spike Level	Source	0/DEC	%REC	DDL	RPD	Ele ~
Analyte	Results	RL	Results	RL	Total µg	Result	%REC	Limits	RPD	Limit	Flag
Batch B058009 - SW-846 3540C											
Blank (B058009-BLK1)					Prepared: 08/	/31/12 Analy	yzed: 09/01/	2			
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	0.176				0.200		87.9	50-125			
LCS (B058009-BS1)					Prepared: 08/	/31/12 Analy	yzed: 09/01/	2			
Monochlorobiphenyls	0.17	0.0010			0.200		84.7	40-140			
Dichlorobiphenyls	0,20	0.0010			0.200		98.6	40-140			
Trichlorobiphenyls	0.20	0.0010			0.200		102	40-140			
Tetrachlorobiphenyls	0.42	0.0020			0.400		105	40-140			
Pentachlorobiphenyls	0.41	0.0020			0.400		103	40-140			
Hexachlorobiphenyls	0.40	0.0020			0.400		101	40-140			
Heptachlorobiphenyls	0.61	0.0030			0.600		102	40-140			
Octachlorobiphenyls	0.56	0.0030			0.600		93.1	40-140			
Nonachlorobiphenyls	1.0	0.0050			1.00		104	40-140			
Decachlorobiphenyl	0.98	0.0050			1.00		98.4	40-140			
Surrogate: Tetrachloro-m-xylene	0.188				0.200		94.1	50-125			
LCS Dup (B058009-BSD1)					Prepared: 08/	/31/12 Analy	yzed: 09/01/	2			
Monochlorobiphenyls	0.18	0.0010			0.200		90.4	40-140	6.50	50	
Dichlorobiphenyls	0.19	0.0010			0.200		93.5	40-140	5.28	50	
Trichlorobiphenyls	0.19	0.0010			0.200		95.5	40-140	7.00	50	
Tetrachlorobiphenyls	0.39	0.0020			0.400		96.3	40-140	8.67	50	
Pentachlorobiphenyls	0.40	0.0020			0.400		101	40-140	2.08	50	
Hexachlorobiphenyls	0.39	0.0020			0.400		97.1	40-140	3.77	50	
Heptachlorobiphenyls	0.59	0.0030			0.600		99.1	40-140	3.08	50	
Octachlorobiphenyls	0,55	0.0030			0.600		91.9	40-140	1.26	50	
Nonachlorobiphenyls	1.1	0.0050			1.00		106	40-140	1.32	50	
Decachlorobiphenyl	1.0	0.0050			1.00		103	40-140	5.06	50	
Surrogate: Tetrachloro-m-xylene	0.194				0.200		97.0	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.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.



CERTIFICATIONS

Certified Analyses included in this Report

Analyte Certifications

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	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2013
CT	Connecticut Department of Publile Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2013
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2013
RI	Rhode Island Department of Health	LAO00112	12/30/2012
NC	North Carolina Div. of Water Quality	652	12/31/2012
NJ	New Jersey DEP	MA007 NELAP	06/30/2013
FL	Florida Department of Health	E871027 NELAP	06/30/2013
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2013
WA	State of Washington Department of Ecology	C2065	02/23/2013
ME	State of Maine	2011028	06/9/2013
VA	Commonwealth of Virginia	1381	12/14/2012

Company Name: A.A.				
Telephono	www.contestlabs.com	Email: info@contestlabs.com	Fax: 413-525-6405	© Phone: 413-525-2332 CHA
		Rev 04.05.12	080	AGOLSÍO LO N
				RECORD.
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	Methone: 413-525-2332 CHAIN OF CUSTODY RECORD	RECORD	39 Spruce Street	} -,
			East longmeadow, MA 01028	87
ANALYTICAL LABORATORY	Email: info@contestlabs.com Rev 04.05.12			# of Containers D
79-16 6-17	www.contestiabs.com			** Preservation >
pany Name: Am / Environmental	Telephone:			Container Co
ess: 627 cliator Ave.	Project#	NA.	ANALYSIS REQUESTED	Dissolved Met 2
Bridgeport CT	Client PO#	(SE		of of
tion:	DATA DELIVERY (check all that apply)	_		

) # 	O MA State DW Form Required PWSID#	Connecticut:		5/3/ Plate Time:	Relinguished by Rignature)
	O RCP Form Required		Other		I am or acress
	O MCP Form Required		7 O 10-Day	1 South State of 1	y/(signa
***************************************	Is your project MCP or RCP?	Massachusetts:	D 7-Day	2/3/12	
O= other		Detection Limit Requirements	Turnaround TT	Daje/Tjme:	belinquished by: (signature)
SL= sludge	H - High; M - Medium; L - Low; C - Clean; U - Unknown	H - High; M		2	
S=soll/solid					
DW= drinking water	Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix Conc. Code Box.	Please use the following the high			
www=wastewater					Comments:
GW=groundwater					
*Matrix Code:					
0=Other					
T = Na thiosulfate					
X = Na hydroxide					
B = Sodium bisulfate					
\$= Sulfuric Acid					
N = Nitric Acid					
M = Wethanol					
		12,400	X.10	Coling he	
1 - Cont			402		3
**		1210.0 X	358 - 8.00	02 .Em108	703
CEOther		1225,0	358 - 803	0 00 MICO	
i-teular nag		Composite Glab Glae	pare/ mine pare/mine	7. 10 A 10	
S=summa can		VOICE That Lines Lode		Client Sample ID / Description	(aboratory use only)
V= vial			e)
ST-sterile		OOTHER		proposal date	O yes
P=plastic		OEXCEL OGIS	Format	ed? (for billing purposes)	Project Proposal Provided? (for billing purposes)
G=glass		Hoy	Email:	100	Salipled by
Įš S			5		- 1
⊃a(Project Location: Oxygon
O Lab to Filter ge			OFAX		Tital 11031.
		ERY (check all that anoly)	DATADE		•
-			Client PO#	(+ CT	Bridgenort CT
	ANALYSIS REQUESTED		Project#	Cliaton Ave.	Address: 622 Cl.
***Container Cd CR		re:	Telephone:	1 Environmental	Company Name: Am Environmental
			www.contestlabs.com		
# of Containers D		Rey 04.05.12	Email: info@contesttabs.com	ANALYTICAL LABORATORY Email: info	ANALYT
Page of Of		D801 H6		Fax: 413-525-6405	
	RINORD 39 Spruce Street	A OF CUSTODY	3-525-2332	@ Phone: 413-525-2332)

IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT. 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 Require lab approval PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT WBE/DBE Certified

Date/Time:

☐ [†]72-Hr O [†]4-Day 10 t24-Hr 148-Hr

NELAC & AIHA-LAP, LLC

Accredited

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







CLIENT NAME: A	MC	Env.	RECEIVE	ову:₩	DATE:	8/31/12
1) Was the chain(s)	of custody re	linquished and sig	med?	(Yes) N	o No Co	C Included
2) Does the chain a	gree with the explain:	samples?		Yes N	О	
3) Are all the sampl	es in good co explain:	ndition?		(Yes) N	o	
4) How were the sa	mples receive	d:				
/	Direct from Sa		Ambient	In Cooler(s	s) [7]	
Were the samples re		· •				
Temperature °C by T				re °C by Temp gun		°C
•	`	av Alas Iala da Eitaava			·	
5) Are there Dissolv				<u> </u>	(ه	
		Date			,	
6) Are there any RU			•	Yes N	0	
Who was notif	ied	Date	Time			
	•			Permission to sub	contract sa	imples? Yes No
7) Location where sai	mples are store	:d: \ \		(Walk-in clients o	nly) if not al	ready approved
	4	}		Client Signature:		
8) Do all samples h	ave the prope	r Acid pH: Yes	No (N/A)			
9) Do all samples h	ave the prope	r Base pH: Yes	No N/A	\		
10) Was the PC noti		•	\ . · /	na samplas: Vas	No (N	(A)
		ntainers re		The state of the s	distribution de la contrata	
			Leiveu (at Con-Test		
		# of containers	- 0.6			# of containers
1 Liter Am				8 oz amber/clear		
500 mL Am			-	4 oz amber/clear		
250 mL Amber (8				2 oz amber/clear	jar	
1 Liter Pla				Air Cassette		
500 mL Pla				Hg/Hopcalite Tu		
250 mL pla				Plastic Bag / Zipl		
40 mL Vial - type I			2018 C	PM 2.5 / PM 10		
Colisure / bacte			10000 10000	PUF Cartridge	70-10	3
Dissolved Oxyg				SOC Kit		
Encore			- 5 5	TO-17 Tubes		
Flashpoint b				Non-ConTest Cont		
Perchlorate	e Kit			Other glass jar	·	
Other Laboratory Comment	s:		1822	Other		
40 mL vials:	# HCI	# Me	hanol		Time an	d Date Frozen:
						!
	# Bisulfate		Water			



September 14, 2012

Sandy Owen AMC Environmental, LLC PO Box 423 Stratford, CT 06615

Project Location: Osborn Hill School

Client Job Number: Project Number: [none]

Laboratory Work Order Number: 12I0367

Lua Wasslengton

Enclosed are results of analyses for samples received by the laboratory on September 13, 2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa A. Worthington Project Manager



AMC Environmental, LLC PO Box 423 Stratford, CT 06615

ATTN: Sandy Owen

REPORT DATE: 9/14/2012

PURCHASE ORDER NUMBER:

PROJECT NUMBER:

[none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER:

1210367

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 School

FIELD SAMPLE#	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB	
9-12 Air 01	1210367-01	Indoor air		TO-10A/EPA 680 Modified		
9-12 Air 02	1210367-02	Indoor air	1205	TO-10A/EPA 680 Modified		



CASE NARRATIVE SUMMARY

All reported results are within	defined laboratory quality c	ontrol objectives unless	s listed below or othe	erwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

na Wasslengta

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.

Lisa A. Worthington Project Chemist



ANALYTICAL RESULTS

Project Location: Osborn Hill School

Date Received: 9/13/2012

Field Sample #: 9-12 Air 01 Sample ID: 1210367-01 Sample Matrix: Indoor air Sampled: 9/12/2012 13:31 Sample Description/Location: Sub Description/Location: Work Order: 1210367

Flow Controller ID:

Sample Type:

Air Volume L: 1210

TO-10A/EPA 680 Modified

	Tota	Total µg		ug/m3			Date/Time		
Analyte	Results	RL	Flag	Results	RL	Dilution	Analyzed	Analyst	
Monochlorobiphenyls	ND	0.0010		ND	0.00083	1	9/14/12 12:09	CJM	
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	9/14/12 12:09	CJM	
Trichlorobiphenyls	ND	0.0010		ND	0.00083	1	9/14/12 12:09	CJM	
Tetrachlorobiphenyls	ND	0.0020		ND	0.0017	1	9/14/12 12:09	CJM	
Pentachlorobiphenyls	0,0032	0.0020		0.0026	0,0017	1	9/14/12 12:09	CJM	
Hexachlorobiphenyls	0.0040	0.0020		0.0033	0.0017	1	9/14/12 12:09	CJM	
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	9/14/12 12:09	CJM	
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	9/14/12 12:09	CJM	
Nonachlorobiphenyls	ND	0.0050		ND	0.0041	1	9/14/12 12:09	CJM	
Decachlorobiphenyl	ND	0.0050		ND	0.0041	1	9/14/12 12:09	CJM	
Total Polychlorinated biphenyls	0.0072			0.0059		1	9/14/12 12:09	CJM	
Surrogates	% Reco	very		% RE	C Limits				

 Surrogates
 % Recovery
 % REC Limits

 Tetrachloro-m-xylene
 87.2
 50-125
 9/14/12
 12:09



ANALYTICAL RESULTS

Project Location: Osborn Hill School

Date Received: 9/13/2012

Field Sample #: 9-12 Air 02 Sample ID: 1210367-02 Sample Matrix: Indoor air

Sampled: 9/12/2012 13:33

Sample Description/Location: 1205

Sub Description/Location:

Flow Controller ID: Sample Type:

Air Volume L: 1205

Work Order: 1210367

TO-10A/EPA 680 Modified

	Tota	lμg		ug	m3		Date/Time	
Analyte	Results	RL	Flag	Results	RL	Dilution	Analyzed	Analys
Monochlorobiphenyls	ND	0.0010		ND	0.00083	1	9/14/12 12:42	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	9/14/12 12:42	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00083	Ī	9/14/12 12:42	CJM
Tetrachlorobiphenyls	0.0051	0.0020		0.0042	0.0017	1	9/14/12 12:42	CJM
Pentachlorobiphenyls	0.014	0.0020		0.011	0.0017	1	9/14/12 12:42	CJM
Hexachlorobiphenyls	0.0080	0.0020		0.0066	0.0017	1	9/14/12 12:42	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	9/14/12 12:42	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	I	9/14/12 12:42	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0041	1	9/14/12 12:42	CJM
Decachlorobiphenyl	ND	0.0050		ND	0,0041	Ĭ	9/14/12 12:42	CJM
Total Polychlorinated biphenyls	0.027			0.022		Ĩ	9/14/12 12:42	CJM

82.5 9/14/12 12:42 Tetrachloro-m-xylene 50-125



Sample Extraction Data

Prep Method: SW-846 3540C-TO-10A/EPA 680 Modified

Lab Number [Field ID]	Batch	Initial [Cartridge	Final [mL]	Date	
1210367-01 [9-12 Air 01]	B058704	1.00	1.00	09/13/12	
1210367-02 [9-12 Air 02]	B058704	1.00	1.00	09/13/12	



QUALITY CONTROL

PCB Homologues by GC/MS with Soxhlet Extraction - Quality Control

North Carr		ո l μg	ug/m		Spike Level	Source	0/DEC	%REC	DDD	RPD	TH.
Analyte	Results	RL	Results	RL	Total µg	Result	%REC	Limits	RPD	Limit	Flag
Batch B058704 - SW-846 3540C											
Blank (B058704-BLK1)					Prepared: 09/	/13/12 Analy	/zed: 09/14/1	2			
Monochlorobiphenyls	ND	0.0010									
Dichlorobiphenyls	ND	0.0010									
richlorobiphenyls	ND	0.0010									
Tetrachlorobiphenyls	ND	0.0020									
Pentachlorobiphenyls	ND	0.0020									
Iexachlorobiphenyls	ND	0.0020									
leptachlorobiphenyls	ND	0.0030									
Octachlorobiphenyls	ND	0.0030									
Vonachlorobiphenyls	ND	0.0050									
Decachlorobiphenyl	ND	0.0050									
otal Polychlorinated biphenyls	0.0										
urrogate: Tetrachloro-m-xylene	0.165				0.200		82.5	50-125			
CS (B058704-BS1)					Prepared: 09	/13/12 Analy	yzed: 09/14/1	2			
Ionochlorobiphenyls	0.16	0.0010			0.200		81.2	40-140			
Dichlorobiphenyls	0.17	0.0010			0.200		85.5	40-140			
richlorobiphenyls	0.17	0.0010			0.200		84.0	40-140			
etrachlorobiphenyls	0.34	0.0020			0.400		84.7	40-140			
entachlorobiphenyls	0.36	0.0020			0.400		89.5	40-140			
Hexachlorobiphenyls	0.34	0.0020			0.400		84.0	40-140			
Ieptachlorobiphenyls	0.52	0.0030			0.600		86.3	40-140			
Octachlorobiphenyls	0.48	0.0030			0.600		80.5	40-140			
Nonachlorobiphenyls	0.95	0.0050			1.00		94.6	40-140			
Decachlorobiphenyl	0.95	0.0050			1.00		94.8	40-140			
hurrogate: Tetrachloro-m-xylene	0.186				0.200		92.8	50-125			
.CS Dup (B058704-BSD1)					Prepared: 09	/13/12 Anal	yzed: 09/14/	12			
Monochlorobiphenyls	0.16	0.0010			0,200		78.5	40-140	3.35	50	
Dichlorobiphenyls	0.17	0.0010			0.200		82.9	40-140	3.12	50	
richlorobiphenyls	0.16	0.0010			0.200		81.2	40-140	3.41	50	
etrachlorobiphenyls	0.33	0.0020			0.400		82.6	40-140	2.51	50	
Pentachlorobiphenyls	0.35	0.0020			0,400		86.6	40-140	3.21	50	
Iexachlorobiphenyls	0.32	0.0020			0.400		80.5	40-140	4.20	50	
Heptachlorobiphenyls	0.49	0.0030			0,600		82.2	40-140	4.90	50	
Octachlorobiphenyls	0.46	0.0030			0.600		76.2	40-140	5.47	50	
Nonachlorobiphenyls	0.89	0.0050			1.00		89.0	40-140	6.11	50	
Decachlorobiphenyl	0.89	0.0050			1.00		89.0	40-140	6.39	50	
Surrogate: Tetrachloro-m-xylene	0.185				0.200		92.7	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.



CERTIFICATIONS

Certified Analyses included in this Report

Analyte

Certifications

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	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2013
CT	Connecticut Department of Publile Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2013
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2013
RI	Rhode Island Department of Health	LAO00112	12/30/2012
NC	North Carolina Div. of Water Quality	652	12/31/2012
NJ	New Jersey DEP	MA007 NELAP	06/30/2013
FL	Florida Department of Health	E871027 NELAP	06/30/2013
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2013
WA	State of Washington Department of Ecology	C2065	02/23/2013
ME	State of Maine	2011028	06/9/2013
VA	Commonwealth of Virginia	1381	12/14/2012



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9/13/12 12:00	Data/Time:	One in the	7119117	のでした。	12/16	1	Date/Time:							*****			 197	2	AND THE	Madia 20 #					Bee		A THE STATE OF THE		Section of the sectio	٠٠ ملک		www.contestlabs.com	Email: info@contestlabs.com	Fax: 413-525-6405	Phone: 413-525-2332
*Approval Required	1 24-1 7 48-1		ב נ ל	יינו ביינו			** Surgrand **	1									932	2 2 2			Start	Date Sai	Format: O E	Email:	Fax #:	OFAX A	DATA DELIVERY (check one):		Client PO #	Project #	Telephone:(os.com		AIR SAMPLE CHAIN OF CUSTODY
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39 Spruce St. East Longmeadow, MA. 01028 P: 413-525-2332 F: 413-525-6405 www.contestlabs.com





Sample Receipt Checklist

CLIENT NAME: AMC 6	EOV.		VED BY:		_DATE:_	9/13/12
1) Was the chain(s) of custody r2) Does the chain agree with the If not, explain:	-	signed?		Yes No	No Co	C Included
3) Are all the samples in good c If not, explain:	ondition?			(Yes) No		
4) How were the samples receiv	ed:					
On Ice 🗹 Direct from S	ampling 🔲	Ambier	nt 🔲	In Cooler(s)		
Were the samples received in Te	mperature Comp	liance of (2	?-6°C)?	(Yes) No	N/A	
Temperature °C by Temp blank		Tempe	rature °C t	y Temp gun	5.	6°C
5) Are there Dissolved samples	for the lab to filte	r?		Yes No)	
Who was notified	Date	Ti	me	Canadiani		
6) Are there any RUSH or SHOR				(Yes) No		
Who was notified		· · · · · · · · · · · · · · · · · · ·	me			
7) Location where samples are stor	ed:	19	(Wall			mples? Yes No eady approved
B) Do all samples have the prop	er Acid nH: Yes	s No N	(A)			***************************************
Do all samples have the prop-	•	7	-	•	***************************************	
•	•	, -	1/A)	**************************************		
10) Was the PC notified of any di		23-24-34-34-34-34-34-34-34-34-34-34-34-34-34		3. (10. (10. (10. (10. (10. (10. (10. (10	No (N/.	A)
C	<u>ontainers r</u>	eceive	d at Co	on-Test		
	# of containers	,			mit Extratelyee	# of containers
1 Liter Amber			8 oz	amber/clear jar		
500 mL Amber				amber/clear jar		
250 mL Amber (8oz amber)			***************************************	amber/clear jar		
1 Liter Plastic		新		ir Cassette		
500 mL Plastic				lopcalite Tube		P. M., 1 J.
250 mL plastic				ic Bag / Ziploc		······································
40 mL Vial - type listed below				12.5 / PM 10		•
Colisure / bacteria bottle			Jq	JF Cartridge "	16-18	2
Dissolved Oxygen bottle			· · · · · · · · · · · · · · · · · · ·	SOC Kit	19 1	
Encore			T(D-17 Tubes		
Flashpoint bottle				nTest Contain	er	
Perchlorate Kit			~~~~	her glass jar		
Other		1 (2) (2) (2) (2) (2) (2) (2) (2) (2) (2)		Other		
_aboratory Comments:	**************************************					
40 mL vials: # HCl	H R	lethanol			Time and	Date Frozen:
Doc# 277 # Bisulfate		Water				
Rev. 3 May 2012 # Thiosulfate	Uni	preserved		- 1		e 11 of 11 CRWPD

Osborne Hill School September 21, 2012 Page 7 of 8

<u>Laboratory Results – PCB Wipe Samples</u>

September 5, 2012

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: 12H1081

Lua Wastlengton

Enclosed are results of analyses for samples received by the laboratory on August 31, 2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa A. Worthington Project Manager



AMC Environmental, LLC PO Box 423 Stratford, CT 06615

ATTN: Sandy Owen

REPORT DATE: 9/5/2012

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none

ANALYTICAL SUMMARY

WORK ORDER NUMBER:

12H1081

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	
8-30 Wipe 01	12H1081-01	Wipe	Above Ceiling On Pipe	SW-846 8082A		
8-30 Wipe 02	12H1081-02	Wipe	Above Ceiling On Grid	SW-846 8082A		
8-30 Wipe 03	12H1081-03	Wipe	Above Ceiling On Duct	SW-846 8082A		
8-30 Wipe 04	12H1081-04	Wipe	Above Ceiling On CT	SW-846 8082A		
8-30 Wipe 05	12H1081-05	Wipe	Above Ceiling On Grid	SW-846 8082A		



CASE NARRATIVE SUMMARY

	All	reported re	sults are wi	thin defined	laboratory	quality	control ob	iectives unless	listed below	w or otherwise of	qualified in this re	eport.
--	-----	-------------	--------------	--------------	------------	---------	------------	-----------------	--------------	-------------------	----------------------	--------

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.

Michael A. Erickson
Laboratory Director



Analyte

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Osborn School

Sample Description:

Results

ND

ND

ND

ND

ND

10

ND

ND

ND

Above Ceiling On Pipe

Work Order: 12H1081

Date Received: 8/31/2012
Field Sample #: 8-30 Wipe 01

Sampled: 8/30/2012 00:00

Sample ID: 12H1081-01 Sample Matrix: Wipe

Aroclor-1016 [1]

Aroclor-1221 [1]

Aroclor-1232 [1]

Aroclor-1242 [1]

Aroclor-1248 [1]

Aroclor-1254 [1]

Aroclor-1260 [1]

Aroclor-1262 [1]

Aroclor-1268 [1]

Polychlori	nated Biphenyls wit	h 3540 Soxhle	et Extraction				
RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2.0	μg/Wipe	10		SW-846 8082A	8/31/12	9/5/12 10:20	MJC
2.0	μg/Wipe	10		SW-846 8082A	8/31/12	9/5/12 10:20	MJC
2.0	μg/Wipe	10		SW-846 8082A	8/31/12	9/5/12 10:20	MJC
2.0	μg/Wipe	10		SW-846 8082A	8/31/12	9/5/12 10:20	MJC
2.0	μg/Wipe	10		SW-846 8082A	8/31/12	9/5/12 10:20	MJC
2.0	μg/Wipe	10		SW-846 8082A	8/31/12	9/5/12 10:20	MJC
2.0	μg/Wipe	10		SW-846 8082A	8/31/12	9/5/12 10:20	MJC
2.0	μg/Wipe	10		SW-846 8082A	8/31/12	9/5/12 10:20	MJC
2.0	μg/Wipe	10		SW-846 8082A	8/31/12	9/5/12 10:20	MJC
0/ D	D		El				

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	115	30-150		9/5/12 10:20
Decachlorobiphenyl [2]	119	30-150		9/5/12 10:20
Tetrachloro-m-xylene [1]	108	30-150		9/5/12 10:20
Tetrachloro-m-xylene [2]	109	30-150		9/5/12 10:20



Project Location: Osborn School

Sample Description:

104

Above Ceiling On Grid

Work Order: 12H1081

9/5/12 10:33

Date Received: 8/31/2012 Field Sample #: 8-30 Wipe 02

Sampled: 8/30/2012 00:00

Sample ID: 12H1081-02
Sample Matrix: Wipe

Tetrachloro-m-xylene [2]

		Polychlori	nated Biphenyls wit	h 3540 Soxhlo	et Extraction				
Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analysi
Aroclor-1016 [1]	ND	0.40	μg/Wipe	2		SW-846 8082A	8/31/12	9/5/12 10:33	MJC
Aroclor-1221 [1]	ND	0.40	μg/Wipe	2		SW-846 8082A	8/31/12	9/5/12 10:33	MJC
Aroclor-1232 [1]	ND	0.40	μg/Wipe	2		SW-846 8082A	8/31/12	9/5/12 10:33	MJC
Aroclor-1242 [1]	ND	0.40	μg/Wipe	2		SW-846 8082A	8/31/12	9/5/12 10:33	MJC
Aroclor-1248 [1]	ND	0.40	μg/Wipe	2		SW-846 8082A	8/31/12	9/5/12 10:33	MJC
Aroclor-1254 [1]	3.6	0.40	μg/Wipe	2		SW-846 8082A	8/31/12	9/5/12 10:33	MJC
Aroclor-1260 [1]	ND	0.40	μg/Wipe	2		SW-846 8082A	8/31/12	9/5/12 10:33	MJC
Aroclor-1262 [1]	ND	0.40	μg/Wipe	2		SW-846 8082A	8/31/12	9/5/12 10:33	MJC
Aroclor-1268 [1]	ND	0.40	μg/Wipe	2		SW-846 8082A	8/31/12	9/5/12 10:33	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		112	30-150					9/5/12 10:33	
Decachlorobiphenyl [2]		116	30-150					9/5/12 10:33	
Tetrachloro-m-xylene [1]		101	30-150					9/5/12 10:33	



Project Location: Osborn School

Sample Description:

Above Ceiling On Duct

Work Order: 12H1081

Date Received: 8/31/2012 Field Sample #: 8-30 Wipe 03

Sampled: 8/30/2012 00:00

Sample ID: 12H1081-03 Sample Matrix: Wipe

		Polychlori	nated Biphenyls wi	th 3540 Soxhle	et Extraction				
Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	μg/Wipe	1		SW-846 8082A	8/31/12	9/5/12 9:41	MJC
Aroclor-1221 [1]	ND	0.20	μg/Wipe	1		SW-846 8082A	8/31/12	9/5/12 9:41	MJC
Aroclor-1232 [1]	ND	0.20	μg/Wipe	1		SW-846 8082A	8/31/12	9/5/12 9:41	MJC
Aroclor-1242 [1]	ND	0.20	μg/Wipe	1		SW-846 8082A	8/31/12	9/5/12 9:41	MJC
Aroclor-1248 [1]	ND	0.20	μg/Wipe	1		SW-846 8082A	8/31/12	9/5/12 9:41	MJC
Aroclor-1254 [1]	1.6	0.20	μg/Wipe	1		SW-846 8082A	8/31/12	9/5/12 9:41	MJC
Aroclor-1260 [1]	ND	0.20	μg/Wipe	1		SW-846 8082A	8/31/12	9/5/12 9:41	MJC
Aroclor-1262 [1]	ND	0.20	μg/Wipe	1		SW-846 8082A	8/31/12	9/5/12 9:41	MJC
Aroclor-1268 [1]	ND	0.20	μg/Wipe	1		SW-846 8082A	8/31/12	9/5/12 9:41	MJC
Surrogates		% Recovery	Recovery Limits	5	Flag				
Decachlorobiphenyl [1]		117	30-150					9/5/12 9:41	
Decachlorobiphenyl [2]		127	30-150					9/5/12 9:41	
Tetrachloro-m-xylene [1]		97.5	30-150					9/5/12 9:41	
Tetrachloro-m-xylene [2]		101	30-150					9/5/12 9:41	



Project Location: Osborn School

Sample Description:

111

Above Ceiling On CT

Work Order: 12H1081

9/5/12 10:46

Date Received: 8/31/2012 Field Sample #: 8-30 Wipe 04

Sampled: 8/30/2012 00:00

Sample ID: 12H1081-04
Sample Matrix: Wipe

Tetrachloro-m-xylene [2]

		Polychlori	nated Biphenyls wit	h 3540 Soxhlo	et Extraction				
Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.0	μg/Wipe	5		SW-846 8082A	8/31/12	9/5/12 10:46	MJC
Aroclor-1221 [1]	ND	1.0	μg/Wipe	5		SW-846 8082A	8/31/12	9/5/12 10:46	MJC
Aroclor-1232 [1]	ND	1.0	μg/Wipe	5		SW-846 8082A	8/31/12	9/5/12 10:46	MJC
Aroclor-1242 [1]	ND	1.0	μg/Wipe	5		SW-846 8082A	8/31/12	9/5/12 10:46	MJC
Aroclor-1248 [1]	ND	1.0	μg/Wipe	5		SW-846 8082A	8/31/12	9/5/12 10:46	MJC
Aroclor-1254 [1]	7.1	1.0	μg/Wipe	5		SW-846 8082A	8/31/12	9/5/12 10:46	MJC
Aroclor-1260 [1]	ND	1.0	μg/Wipe	5		SW-846 8082A	8/31/12	9/5/12 10:46	MJC
Aroclor-1262 [1]	ND	1.0	μg/Wipe	5		SW-846 8082A	8/31/12	9/5/12 10:46	MJC
Aroclor-1268 [1]	ND	1.0	μg/Wipe	5		SW-846 8082A	8/31/12	9/5/12 10:46	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		121	30-150					9/5/12 10:46	
Decachlorobiphenyl [2]		125	30-150					9/5/12 10:46	
Tetrachloro-m-xylene [1]		108	30-150					9/5/12 10:46	



Project Location: Osborn School

Sample Description: Above Ceiling On Grid

Work Order: 12H1081

Date Received: 8/31/2012 Field Sample #: 8-30 Wipe 05

Sampled: 8/30/2012 00:00

Sample ID: 12II1081-05 Sample Matrix: Wipe

		Polychlori	nated Biphenyls wi	th 3540 Soxhle	et Extraction				
Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analysi
Aroclor-1016 [1]	ND	0.20	μg/Wipe	1		SW-846 8082A	8/31/12	9/5/12 9:54	MJC
Aroclor-1221 [1]	ND	0.20	μg/Wipe	1		SW-846 8082A	8/31/12	9/5/12 9:54	MJC
Aroclor-1232 [1]	ND	0.20	μg/Wipe	1		SW-846 8082A	8/31/12	9/5/12 9:54	MJC
Aroclor-1242 [1]	ND	0.20	μg/Wipe	1		SW-846 8082A	8/31/12	9/5/12 9:54	MJC
Aroclor-1248 [1]	ND	0.20	μg/Wipe	1		SW-846 8082A	8/31/12	9/5/12 9:54	MJC
Aroclor-1254 [1]	2.3	0.20	μg/Wipe	1		SW-846 8082A	8/31/12	9/5/12 9:54	MJC
Aroclor-1260 [1]	ND	0.20	μg/Wipe	1		SW-846 8082A	8/31/12	9/5/12 9:54	MJC
Aroclor-1262 [1]	ND	0.20	μg/Wipe	1		SW-846 8082A	8/31/12	9/5/12 9:54	MJC
Aroclor-1268 [1]	ND	0.20	μg/Wipe	1		SW-846 8082A	8/31/12	9/5/12 9:54	MJC
Surrogates		% Recovery	Recovery Limits	3	Flag	10,000			
Decachlorobiphenyl [1]		98.9	30-150					9/5/12 9:54	
Decachlorobiphenyl [2]		113	30-150					9/5/12 9:54	
Tetrachloro-m-xylene [1]		91.7	30-150					9/5/12 9:54	
Tetrachloro-m-xylene [2]		92.9	30-150					9/5/12 9:54	



Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date	
12H1081-01 [8-30 Wipe 01]	B058030	1.00	10.0	08/31/12	
12H1081-02 [8-30 Wipe 02]	B058030	1.00	10.0	08/31/12	
12H1081-03 [8-30 Wipe 03]	B058030	1.00	10.0	08/31/12	
12H1081-04 [8-30 Wipe 04]	B058030	1.00	10.0	08/31/12	
12H1081-05 [8-30 Wipe 05]	B058030	1.00	10.0	08/31/12	



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
Batch B058030 - SW-846 3540C										
Blank (B058030-BLK1)				Prepared: 08	/31/12 Anal	yzed: 09/04/1	2			
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	1.52		μg/Wipe	2.00		75.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.45		μg/Wipe	2.00		72.7	30-150			
Surrogate: Tetrachloro-m-xylene	1.67		μg/Wipe	2.00		83.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.63		μg/Wipe	2.00		81.3	30-150			
LCS (B058030-BS1)				Prepared: 08	/31/12 Anal	yzed: 09/04/1	2			
Aroclor-1016	0.50	0.20	μg/Wipe	0.500		100	40-140			
Aroclor-1016 [2C]	0.47	0.20	μg/Wipe	0.500		93.7	40-140			
Aroclor-1260	0.40	0.20	μg/Wipe	0.500		79.5	40-140			
Aroclor-1260 [2C]	0.41	0.20	μg/Wipe	0.500		82.1	40-140			
Surrogate: Decachlorobiphenyl	1.53		μg/Wipe	2.00		76.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.47		μg/Wipe	2.00		73.5	30-150			
Surrogate: Tetrachloro-m-xylene	1.80		μg/Wipe	2.00		89.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.76		μg/Wipe	2.00		87.9	30-150			
LCS Dup (B058030-BSD1)				Prepared: 08	/31/12 Anal	yzed: 09/04/1	2			
Aroclor-1016	0.47	0.20	μg/Wipe	0.500		94.2	40-140	6.17	30	
Aroclor-1016 [2C]	0.45	0.20	μg/Wipe	0.500		89.9	40-140	4.07	30	
Aroclor-1260	0.39	0.20	μg/Wipe	0.500		77.4	40-140	2.65	30	
Aroclor-1260 [2C]	0.40	0.20	μg/Wipe	0.500		80.0	40-140	2.66	30	
Surrogate: Decachlorobiphenyl	1.49		μg/Wipe	2.00		74.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.43		μg/Wipe	2.00		71.7	30-150			
Surrogate: Tetrachloro-m-xylene	1.68		μg/Wipe	2.00		84.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.65		μg/Wipe	2.00		82.4	30-150			



FLAG/QUALIFIER SUMMARY

*	QC result is outside of established	imits
*	QC result is outside of established i	

- † 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.



CERTIFICATIONS

Certified Analyses included in this Report

Analyte Certifications

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	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2013
CT	Connecticut Department of Publile Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2013
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2013
RI	Rhode Island Department of Health	LAO00112	12/30/2012
NC	North Carolina Div. of Water Quality	652	12/31/2012
NJ	New Jersey DEP	MA007 NELAP	06/30/2013
FL	Florida Department of Health	E871027 NELAP	06/30/2013
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2013
WA	State of Washington Department of Ecology	C2065	02/23/2013
ME	State of Maine	2011028	06/9/2013
VA	Commonwealth of Virginia	1381	12/14/2012

Han Length Starts at 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON	by (Signature) 8/31/12/08	4	Refinquished to: (significative) Refinquished to: (significative)		Comments:				-05 V Jos as and length	TOH ON-Alpha central	103 03-Module certing	7 Of 1 or Gridanc central	01 8-30 wire or Hoose	Con-Test Lab ID Client Sample ID / Description Beginning Date/Time		Project Proposal Provided? (for biling purposes)	Sampled By: T. Proto	Project Location: Osborn & 11 Tibel	Attention:	Drioge pert, C		ς.	Company Name: AM C Environmental	ANALTHOAL LABORATORT www.contestiabs.com	•	
† Require lab approval Other: SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON	Connecticut: 21 Am	10-Day Other	Urnaround 'Detection Limit Requireme	:	Please use the may be								か (公 (公 (公 (公 (公 (公 (公 (公 (公 (公 (公 () () () () () () () () () () () () ()	ning Ending Composite Grab fade Constants	llection O "Enhanced Data	Format OPDR OEXCEL OGIS OOTHER	Ēmail:	Fax#	OFAX OEMAIL OWEBSITE	DATA DELIVERY (check all that apply)	Client PO#	Project#	Telephone:	com	stlabs.com Rev 04.05.12	CHAIN OF CUSTODY
YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT	V Form Requir	MCP Form Required RCP Form Required	Is your project MCP or RCP?		use the following codes to let Con-Lest know it a specific sample may be high in concentration in Matrix/Conc. Code Box:										2201							ANALYSIS REQUESTED				RECORD 39 Spruce Street East longmeadow, MA 01028
WBE/DBE Certified	NELAC & AIHA-LAP, LLC Accredited	<u>.</u>		SL = sludge O = other	<u> </u>	 *Matrix Code: GW= groundwater	T = Na thiosulfate O = Other	X = Na hydroxide	S= Sulfuric Acid	M = Wethand	T = Ked	**Preservation		T=tedlar bag	S=summa can	ST=sterile	G-gass	A=amber glass	Pag	Lab to Filter	O Field Filtered	Dissolved Meta	****Container Cod C	** Preservation	# of Containers	Page of

IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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





Sample Receipt Checklist

CLIENT NAME: AMC ENV		_RECEIVED BY:	AP DATE:	8/31/12
 Was the chain(s) of custody re Does the chain agree with the If not, explain: 		ned?	Yes No No C	oC Included
3) Are all the samples in good could be left not, explain:	ondition?		Yes No	
4) How were the samples receive	ed:			
On Ice Direct from Sa	ampling	Ambient	In Cooler(s)	
Were the samples received in Te	. •		Yes No N/A	
Temperature °C by Temp blank	u	_Temperature °C t	by Temp gun 5.0	50
5) Are there Dissolved samples	for the lab to filter?	•	Yes (No)	
Who was notified	Date	Time	· •	
6) Are there any RUSH or SHOR			(Yes) (No) Al'	
Who was notified				
			ission to subcontract s	amples? Ves No
	. 10	. []		· ·
7) Location where samples are stor	ed: 19	!!	K-in clients only) if not a	Iready approved
	s ^t	Clien	t Signature:	
Do all samples have the properties.	er Acid pH: Yes	No (N/A)		
9) Do all samples have the prope	er Base pH: Yes	No (N/A)		
10) Was the PC notified of any di	screpancies with the	e CoC vs the sam	ples: Yes No /	(I/A)
	ontainers re	and a second a beginning a second of the sec	high parameters in mich and the state of the principle of the same bit and the same	
	# of containers			# of containers
1 Liter Amber		8 oz	amber/clear jar	,, , , , , , , , , , , , , , , , , , , ,
500 mL Amber			amberclear ar wike	s 5
250 mL Amber (8oz amber)		2 oz	amber/clear jar	
1 Liter Plastic		W 3	Air Cassette	
500 mL Plastic		Hg/l	Hopcalite Tube	
250 mL plastic		Plas	tic Bag / Ziploc	
40 mL Vial - type listed below		Plas PN PI	/ 2.5 / PM 10	
Colisure / bacteria bottle		PI PI	JF Cartridge	
Dissolved Oxygen bottle			SOC Kit	
Encore		T	O-17 Tubes	
Flashpoint bottle		Non-C	onTest Container	
Perchlorate Kit		O	ther glass jar	
Other Laboratory Comments:	<u></u>		Other	
,				
40 mL vials: # HCI	# Me	thanol	Time a	nd Date Frozen:
Doc# 277. # Bisulfate	# DI '	Water		
Hev. 3 May 2012 # Thiosulfate	Unpr	eserve <u>d</u>		age 14 of 14 CRWPDF8

September 10, 2012

Sandy Owen AMC Environmental, LLC PO Box 423 Stratford, CT 06615

Project Location: Osborn Hill School

Client Job Number: Project Number: [none]

Laboratory Work Order Number: 12I0131

Lua Wastlengton

Enclosed are results of analyses for samples received by the laboratory on September 7, 2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa A. Worthington Project Manager



AMC Environmental, LLC PO Box 423

Stratford, CT 06615 ATTN: Sandy Owen

REPORT DATE: 9/10/2012

PURCHASE ORDER NUMBER:

PROJECT NUMBER:

[none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER:

1210131

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 School

FIELD SAMPLE#	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
9-6 01-Girls Bath	12I0131-01	Wipe		SW-846 8082A	
9-6 02-Boys Bath	1210131-02	Wipe		SW-846 8082A	
9-6 03-Reading Rm	1210131-03	Wipe		SW-846 8082A	
9-6 04-Computer Rm	1210131-04	Wipe		SW-846 8082A	
9-6 05-Gym Hall	1210131-05	Wipe		SW-846 8082A	
9-6 06-Book Storage	1210131-06	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.

SW-846 8082A

Qualifications:

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl, Decachlorobiphenyl [2C], Tetrachloro-m-xylene, Tetrachloro-m-xylene [2C] 1210131-05[9-6 05-Gym Hall]

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

Daren J. Damboragian Laboratory Manager

best of my knowledge and belief, accurate and complete.



Project Location: Osborn Hill School

Sample Description:

106

Work Order: 1210131

9/9/12 6:09

Date Received: 9/7/2012

Field Sample #: 9-6 01-Girls Bath

Sampled: 9/6/2012 12:00

Sample ID: 12I0131-01
Sample Matrix: Wine

Tetrachloro-m-xylene [2]

		Polychlori	nated Biphenyls wit	h 3540 Soxhle	et Extraction				
Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analys
Aroclor-1016 [1]	ND	0.20	μg/Wipe	1		SW-846 8082A	9/7/12	9/9/12 6:09	JMB
Aroclor-1221 [1]	ND	0.20	μg/Wipe	1		SW-846 8082A	9/7/12	9/9/12 6:09	JMB
Aroclor-1232 [1]	ND	0.20	μg/Wipe	I		SW-846 8082A	9/7/12	9/9/12 6:09	JMB
Aroclor-1242 [1]	ND	0.20	μg/Wipe	1		SW-846 8082A	9/7/12	9/9/12 6:09	JMB
Aroclor-1248 [1]	ND	0.20	μg/Wipe	1		SW-846 8082A	9/7/12	9/9/12 6:09	JMB
Aroclor-1254 [1]	0.57	0.20	μg/Wipe	1		SW-846 8082A	9/7/12	9/9/12 6:09	JMB
Aroclor-1260 [1]	ND	0.20	μg/Wipe	1		SW-846 8082A	9/7/12	9/9/12 6:09	JMB
Aroclor-1262 [1]	ND	0.20	μg/Wipe	1		SW-846 8082A	9/7/12	9/9/12 6:09	JMB
Aroclor-1268 [1]	ND	0,20	μg/Wipe	1		SW-846 8082A	9/7/12	9/9/12 6:09	JMB
Surrogates		% Recovery	Recovery Limits		Flag				,
Decachlorobiphenyl [1]		103	30-150					9/9/12 6:09	
Decachlorobiphenyl [2]		80.7	30-150					9/9/12 6:09	
Tetrachloro-m-xylene [1]		98.7	30-150					9/9/12 6:09	



Project Location: Osborn Hill School

Sample Description:

98.4

Work Order: 12I0131

9/9/12 6:22

Date Received: 9/7/2012

Field Sample #: 9-6 02-Boys Bath

Sampled: 9/6/2012 12:00

Sample ID: 12I0131-02 Sample Matrix: Wipe

Tetrachloro-m-xylene [2]

		Polychlori	nated Biphenyls wit	h 3540 Soxhle	et Extraction				
Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	μg/Wipe	1		SW-846 8082A	9/7/12	9/9/12 6:22	JMB
Aroclor-1221 [1]	ND	0.20	μg/Wipe	1		SW-846 8082A	9/7/12	9/9/12 6:22	JMB
Aroclor-1232 [1]	ND	0.20	μg/Wipe	1		SW-846 8082A	9/7/12	9/9/12 6:22	JMB
Aroclor-1242 [1]	ND	0.20	μg/Wipe	1		SW-846 8082A	9/7/12	9/9/12 6:22	JMB
Aroclor-1248 [1]	ND	0.20	μg/Wipe	1		SW-846 8082A	9/7/12	9/9/12 6:22	JMB
Aroclor-1254 [1]	0.79	0.20	μg/Wipe	1		SW-846 8082A	9/7/12	9/9/12 6:22	JMB
Aroclor-1260 [1]	ND	0.20	μg/Wipe	ì		SW-846 8082A	9/7/12	9/9/12 6:22	JMB
Aroclor-1262 [1]	ND	0.20	μg/Wipe	1		SW-846 8082A	9/7/12	9/9/12 6:22	JMB
Aroclor-1268 [1]	ND	0,20	μg/Wipe	1		SW-846 8082A	9/7/12	9/9/12 6:22	JMB
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		104	30-150					9/9/12 6:22	
Decachlorobiphenyl [2]		79.7	30-150					9/9/12 6:22	
Tetrachloro-m-xylene [1]		99.2	30-150					9/9/12 6:22	



Project Location: Osborn Hill School

Sample Description:

97.2

Work Order: 12I0131

9/9/12 6:35

Date Received: 9/7/2012

Field Sample #: 9-6 03-Reading Rm

Sampled: 9/6/2012 12:00

Sample ID: 12I0131-03
Sample Matrix: Wine

Tetrachloro-m-xylene [2]

Samble Matrix: Wibe		Polychlori	nated Biphenyls wit	h 3540 Soxhlo	et Extraction				
Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	μg/Wipe	1		SW-846 8082A	9/7/12	9/9/12 6:35	JMB
Aroclor-1221 [1]	ND	0,20	μg/Wipe	1		SW-846 8082A	9/7/12	9/9/12 6:35	JMB
Aroclor-1232 [1]	ND	0.20	μg/Wipe	I		SW-846 8082A	9/7/12	9/9/12 6:35	JMB
Aroclor-1242 [1]	ND	0.20	μg/Wipe	1		SW-846 8082A	9/7/12	9/9/12 6:35	JMB
Aroclor-1248 [1]	ND	0.20	μg/Wipe	1		SW-846 8082A	9/7/12	9/9/12 6:35	JMB
Aroclor-1254 [1]	0.42	0.20	μg/Wipe	1		SW-846 8082A	9/7/12	9/9/12 6:35	JMB
Aroclor-1260 [1]	ND	0.20	μg/Wipe	1		SW-846 8082A	9/7/12	9/9/12 6:35	JMB
Aroclor-1262 [1]	ND	0.20	μg/Wipe	1		SW-846 8082A	9/7/12	9/9/12 6:35	JMB
Aroclor-1268 [1]	ND	0.20	μg/Wipe	I		SW-846 8082A	9/7/12	9/9/12 6:35	JMB
Surrogates		% Recovery	Recovery Limits		Flag			· · · · · · · · · · · · · · · · · · ·	
Decachlorobiphenyl [1]		101	30-150					9/9/12 6:35	
Decachlorobiphenyl [2]		77.8	30-150					9/9/12 6:35	
Tetrachloro-m-xylene [1]		96.3	30-150					9/9/12 6:35	



Project Location: Osborn Hill School

Sample Description:

Work Order: 12I0131

Date Received: 9/7/2012

Field Sample #: 9-6 04-Computer Rm

Sampled: 9/6/2012 12:00

Sample ID: 12I0131-04 Sample Matrix: Wine

		Polychlori	nated Biphenyls wit	h 3540 Soxhle	et Extraction				
Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.40	μg/Wipe	2		SW-846 8082A	9/7/12	9/10/12 5:36	JMB
Aroclor-1221 [1]	ND	0.40	μg/Wipe	2		SW-846 8082A	9/7/12	9/10/12 5:36	JMB
Aroclor-1232 [1]	ND	0.40	μg/Wipe	2		SW-846 8082A	9/7/12	9/10/12 5:36	JMB
Aroclor-1242 [1]	ND	0.40	μg/Wipe	2		SW-846 8082A	9/7/12	9/10/12 5:36	JMB
Aroclor-1248 [1]	ND	0.40	μg/Wipe	2		SW-846 8082A	9/7/12	9/10/12 5:36	JMB
Aroclor-1254 [1]	4.3	0.40	μg/Wipe	2		SW-846 8082A	9/7/12	9/10/12 5:36	JMB
Aroclor-1260 [1]	ND	0.40	μg/Wipe	2		SW-846 8082A	9/7/12	9/10/12 5:36	JMB
Aroclor-1262 [1]	ND	0.40	μg/Wipe	2		SW-846 8082A	9/7/12	9/10/12 5:36	JMB
Aroclor-1268 [1]	ND	0.40	μg/Wipe	2		SW-846 8082A	9/7/12	9/10/12 5:36	JMB
Surrogates		% Recovery	Recovery Limits	l)	Flag				
Decachlorobiphenyl [1]		109	30-150					9/10/12 5:36	
Decachlorobiphenyl [2]		81.5	30-150					9/10/12 5:36	
Tetrachloro-m-xylene [1]		108	30-150					9/10/12 5:36	
Tetrachloro-m-xylene [2]		108	30-150					9/10/12 5:36	



Project Location: Osborn Hill School

Sample Description:

Work Order: 1210131

9/10/12 5:49

Date Received: 9/7/2012

Field Sample #: 9-6 05-Gym Hall

Sampled: 9/6/2012 12:00

Sample ID: 12I0131-05 Sample Matrix: Wipe

Tetrachloro-m-xylene [2]

		Polychloria	nated Biphenyls wit	h 3540 Soxhl	et Extraction				
Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	20	μg/Wipe	100		SW-846 8082A	9/7/12	9/10/12 5:49	JMB
Aroclor-1221 [1]	ND	20	μg/Wipe	100		SW-846 8082A	9/7/12	9/10/12 5:49	JMB
Aroclor-1232 [1]	ND	20	μg/Wipe	100		SW-846 8082A	9/7/12	9/10/12 5:49	JMB
Aroclor-1242 [1]	ND	20	μg/Wipe	100		SW-846 8082A	9/7/12	9/10/12 5:49	JMB
Aroclor-1248 [1]	ND	20	μg/Wipe	100		SW-846 8082A	9/7/12	9/10/12 5:49	JMB
Aroclor-1254 [1]	44	20	μg/Wipe	100		SW-846 8082A	9/7/12	9/10/12 5:49	JMB
Aroclor-1260 [1]	130	20	μg/Wipe	100		SW-846 8082A	9/7/12	9/10/12 5:49	JMB
Aroclor-1262 [1]	ND	20	μg/Wipe	100		SW-846 8082A	9/7/12	9/10/12 5:49	JMB
Aroclor-1268 [1]	ND	20	μg/Wipe	100		SW-846 8082A	9/7/12	9/10/12 5:49	JMB
Surrogates	15.41	% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			9/10/12 5:49	
Decachlorobiphenyl [2]		*	30-150		S-01			9/10/12 5:49	
Tetrachloro-m-xylene [1]		*	30-150		S-01			9/10/12 5:49	

S-01



Project Location: Osborn Hill School

Sample Description:

Work Order: 12I0131

Date Received: 9/7/2012

Field Sample #: 9-6 06-Book Storage

Sampled: 9/6/2012 12:00

Sample ID: 12I0131-06 Sample Matrix: Wine

		Polychlori	nated Biphenyls wit	h 3540 Soxhle	t Extraction				
Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.40	μg/Wipe	2		SW-846 8082A	9/7/12	9/10/12 6:02	JMB
Aroclor-1221 [1]	ND	0.40	μg/Wipe	2		SW-846 8082A	9/7/12	9/10/12 6:02	JMB
Aroclor-1232 [1]	ND	0.40	μg/Wipe	2		SW-846 8082A	9/7/12	9/10/12 6:02	JMB
Aroclor-1242 [1]	ND	0.40	μg/Wipe	2		SW-846 8082A	9/7/12	9/10/12 6:02	JMB
Aroclor-1248 [1]	ND	0.40	μg/Wipe	2		SW-846 8082A	9/7/12	9/10/12 6:02	JMB
Aroclor-1254 [1]	3.4	0.40	μg/Wipe	2		SW-846 8082A	9/7/12	9/10/12 6:02	JMB
Aroclor-1260 [1]	ND	0,40	μg/Wipe	2		SW-846 8082A	9/7/12	9/10/12 6:02	JMB
Aroclor-1262 [1]	ND	0.40	μg/Wipe	2		SW-846 8082A	9/7/12	9/10/12 6:02	JMB
Aroclor-1268 [1]	ND	0,40	μg/Wipe	2		SW-846 8082A	9/7/12	9/10/12 6:02	JMB
Surrogates		% Recovery	Recovery Limits		Flag				1000
Decachlorobiphenyl [1]	.,,,	103	30-150					9/10/12 6:02	
Decachlorobiphenyl [2]		80.5	30-150					9/10/12 6:02	
Tetrachloro-m-xylene [1]		98.8	30-150					9/10/12 6:02	
Tetrachloro-m-xylene [2]		99.9	30-150					9/10/12 6:02	



Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date	
12I0131-01 [9-6 01-Girls Bath]	B058376	1.00	10.0	09/07/12	
12I0131-02 [9-6 02-Boys Bath]	B058376	1.00	10.0	09/07/12	
12I0131-03 [9-6 03-Reading Rm]	B058376	1.00	10.0	09/07/12	
12I0131-04 [9-6 04-Computer Rm]	B058376	1.00	10.0	09/07/12	
12I0131-05 [9-6 05-Gym Hall]	B058376	1.00	10.0	09/07/12	
12I0131-06 [9-6 06-Book Storage]	B058376	1.00	10.0	09/07/12	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332 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
Batch B058376 - SW-846 3540C						10 10 100				
Blank (B058376-BLK1)				Prepared: 09	/07/12 Analy	yzed: 09/09/1	2			
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	2.05		μg/Wipe	2.00		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.65		μg/Wipe	2.00		82.6	30-150			
Surrogate: Tetrachloro-m-xylene	1.89		μg/Wipe	2.00		94.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.91		μg/Wipe	2.00		95.5	30-150			
.CS (B058376-BS1)				Prepared: 09	/07/12 Anal	yzed: 09/09/1	2			
Aroclor-1016	0.58	0.20	μg/Wipe	0.500		116	40-140			
Aroclor-1016 [2C]	0.56	0.20	μg/Wipe	0.500		112	40-140			
Aroclor-1260	0.59	0.20	μg/Wipe	0.500		118	40-140			
Aroclor-1260 [2C]	0.54	0.20	μg/Wipe	0.500		108	40-140			
Surrogate: Decachlorobiphenyl	2.27		μg/Wipe	2.00		113	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.80		μg/Wipe	2.00		90.0	30-150			
Surrogate: Tetrachloro-m-xylene	2.30		μg/Wipe	2.00		115	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	2.36		μg/Wipe	2.00		, 118	30-150			
LCS Dup (B058376-BSD1)				Prepared: 09	/07/12 Anal	yzed: 09/09/	12			
Aroclor-1016	0.56	0.20	μg/Wipe	0.500		112	40-140	3.62	30	
Aroclor-1016 [2C]	0.56	0.20	μg/Wipe	0.500		111	40-140	0.240	30	
Aroclor-1260	0.56	0.20	μg/Wipe	0.500		113	40-140	4.41	30	
Aroclor-1260 [2C]	0.55	0.20	μg/Wipe	0.500		111	40-140	2.19	30	
Surrogate: Decachlorobiphenyl	2.27		μg/Wipe	2.00		113	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.81		μg/Wipe	2.00		90.7	30-150			
Surrogate: Tetrachloro-m-xylene	2.30		μg/Wipe	2.00		115	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	2.36		μg/Wipe	2.00		118	30-150			



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.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.



CERTIFICATIONS

Certified Analyses included in this Report

Analyte

Certifications

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	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2013
СТ	Connecticut Department of Publile Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2013
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2013
RI	Rhode Island Department of Health	LAO00112	12/30/2012
NC	North Carolina Div. of Water Quality	652	12/31/2012
NJ	New Jersey DEP	MA007 NELAP	06/30/2013
FL	Florida Department of Health	E871027 NELAP	06/30/2013
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2013
WA	State of Washington Department of Ecology	C2065	02/23/2013
ME	State of Maine	2011028	06/9/2013
VA	Commonwealth of Virginia	1381	12/14/2012

ANALYTICAL LABORATORY	con-test

Company Name: Anc Envyonmental

Address: 627 Chaten

Disc.

Bridgeport, CT

Sampled By:

Project Proposal Provided? (for billing purposes)

_ proposal date

O

Con-Test Lab ID

Client Sample ID / Description

Suginning. Date/Time

Date/Time Butter

Composite Grab

the last last

Collection

O "Enhanced Data Padeage"

4001-61112 Both

1871-9-19

Project Location: Osbero

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School

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Email:

Format

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OEXCEL

SIBO

O OTHER,

Client PO# Project# Telephone

DATA DELIVERY (check all that apply)

OFAX OFMAIL

OWEBSITE

Attention:

Phone: 413-525-2332

CHAIN OF C

Email: info@contestlabs.com www.contestiabs.com

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RECORD

39 Spruce Street

9

East longmeadow, MA 01028

** Preservation # of Containers

***Container Co

Dissolved Met

Page 14 of 15 CRWPDF87

ANALYSIS REQUESTED

Accredited	9 6 0	Z T		3	10 10000			
#	PWSID	l .	lequin	ired ired	MCP Form Required RCP Form Required MA State DW Form Required	Fom Fom	1 44 24	000
1	<u>ټ</u> .	Ç	or RCP?	Ē	project MCP	oje.	2	2
SL= sludge O= other			Unknown	1.	- Clean; U	$\frac{1}{2}$	Low, C	F
S= soil/solid	1	1 ''	e Box	Code	itration in Matrix/Conc.	Aatrio	15	tratio
DW= drinking water	ıple	c sample	specific	if a	Test know if	Tes	t Con	to let
WW= wastewater						***********		
*Matrix Code: GW= groundwater								
O = Other						Ī		
T = Na thiosulfate		20040 8000		del sources				
X = Na hydroxide								
S= Sulfuric Acid						Γ	L	
N = Nitric Acid								
M = Methanol					30.000			
1=1ced								
**Preservation								
0 =Other								
T=tedlar bag								İ
V= vial								
SI=sterile								
P=plastic								
A=amber glass								
***Cont. Code: P								
Lab to Filter	n hadanik sa m							
O Fleid Filtered 4								

1605 - Gym Hall

9-606- Book storage

9-603-Recover Km 4-602-Boys Both

9.604 - Comparer Km

Repeived by: (signature) IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT. TÜRNAROUND 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 Require lab approval Other: PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT WBE/DBE Certified

Relinquished by: (signature)

siyed by; (signature)

Induished by: (Signatura)

Pate Time:

RUSH

Connecticut:

7

Other 10-Day 7-Day

0 72-Hr O 14-Day (#24Hr O 148Hr 96-12

Date/Time:

Turnaround

Massachusetts:

Detection Limit Requirements

H - High; M - Medium; L - Low; (

is your pr

Comments:

All samples taken

2000

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4

3

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area

Please use the following codes to let Co:

may be high in concentration in

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

F: 413-525-5405 www.contestlabs.com





Sample Receipt Checklist

CLIENT NAME: HIMC ENVIRON.	RECEI	VED BY:	KKMDAT	E: <u>11</u> +1(2-
1) Was the chain(s) of custody relinquis	hed and signed?	(Yes No No	CoC included
2) Does the chain agree with the sample if not, explain:	es?	(Yes No	
3) Are all the samples in good condition	7		(Yes) No	
If not, explain:				
4) How were the samples received:	,		:	_
On Ice Direct from Sampling	Ambie	nt 🔲	In Cooler(s)	
Were the samples received in Temperate	ure Compliance of (2-6°C)?	Yes (No) N/	A
Temperature °C by Temp blank	Tempe	erature °C by	Temp gun 11.	
5) Are there Dissolved samples for the l	ab to filter?		Yes (No)	
Who was notified	DateT	ime		
6) Are there any RUSH or SHORT HOLD	ING TIME samples	?	(yes No	
	1	ime	!	
	. 0	Permis	sion to subcontrac	t samples? Yes No
7) Location where samples are stored:	11 19	(Walk-	in clients only) if no	ot already approved
i) Location thioso campion are exercise.		11	Signature:	
O. D. all sounder have the average Asid	HI. You No.			
8) Do all samples have the proper Acid	i 7	N/A		
9) Do all samples have the proper Base]	N/A)		7
10) Was the PC notified of any discrepa	ncies with the CoC	vs the samp	les: Yes No	(N/A)
Contai	iners receive	ed at Co	n-Test	
# of	f containers			# of containers
1 Liter Amber		8 oz a	mper/clear jar	,
500 mL Amber				
		4 oz a	mper/clear ar	6
250 mL Amber (8oz amber)				6
	200000000000000000000000000000000000000	2 oz a Ai	mber/elear ar mber/clear jar r Cassette	6
250 mL Amber (8oz amber)		2 oz a Ai Hg/H	mber/clear ar mber/clear jar r Cassette opcalite Tube	6
250 mL Amber (8oz amber) 1 Liter Plastic		2 oz a Ai Hg/H	mber/elear ar mber/clear jar r Cassette	6
250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic		2 oz a Ai Hg/H Plasti	mber/clear ar mber/clear jar r Cassette opcalite Tube	6
250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic		2 oz a Ai Hg/H Plasti PM	mber/clear ar mber/clear jar r Cassette opcalite Tube c Bag / Ziploc	6
250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below		2 oz a Ai Hg/H Plasti PM PU	mber/clear ar mber/clear jar r Cassette opcalite Tube c Bag / Ziploc 2.5 / PM 10	6
250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle		2 oz a Ai Hg/H Plasti PM PU	mber/clear ar mber/clear jar r Cassette opcalite Tube c Bag / Ziploc 2.5 / PM 10	6
250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle		2 oz a Ai Hg/H Plasti PM PU	mber/clear ar mber/clear jar r Cassette opcalite Tube c Bag / Ziploc 2.5 / PM 10 F Cartridge SOC Kit	6
250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle Encore		2 oz a Ai Hg/H Plasti PM PU TC Non-Co	mber/clear ar mber/clear jar r Cassette opcalite Tube c Bag / Ziploc 2.5 / PM 10 F Cartridge SOC Kit D- 7 Tubes	6
250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle Encore Flashpoint bottle		2 oz a Ai Hg/H Plasti PM PU TC Non-Co	mber/clear ar mber/clear jar r Cassette opcalite Tube c Bag / Ziploc 2.5 / PM 10 F Cartridge SOC Kit D-17 Tubes on Test Container	6
250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle Encore Flashpoint bottle Perchlorate Kit		2 oz a Ai Hg/H Plasti PM PU TC Non-Co	mber/clear ar mber/clear jar r Cassette opcalite Tube c Bag / Ziploc 2.5 / PM 10 F Cartridge SOC Kit 0-17 Tubes on Test Container ner glass jar	6
250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle Encore Flashpoint bottle Perchlorate Kit Other		2 oz a Ai Hg/H Plasti PM PU TC Non-Co	mber/clear ar mber/clear jar r Cassette opcalite Tube c Bag / Ziploc 2.5 / PM 10 F Cartridge SOC Kit 0-17 Tubes on Test Container ner glass jar Other	ne and Date Frozen:
250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle Encore Flashpoint bottle Perchlorate Kit Other Laboratory Comments:		2 oz a Ai Hg/H Plasti PM PU TC Non-Co Otł	mber/clear ar mber/clear jar r Cassette opcalite Tube c Bag / Ziploc 2.5 / PM 10 F Cartridge SOC Kit 0-17 Tubes on Test Container ner glass jar Other	ne and Date Frozen:



Monday, September 17, 2012

AMC Environmental PO Box 423 Stratford, CT 06497

Project ID: OSBORN SCHOOL Sample ID#s: BC67140 - BC67154

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Laboratory Director

NELAC - #NY11301

CT Lab Registration #PH-0618

MA Lab Registration #MA-CT-007

ME Lab Registration #CT-007

NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003

NY Lab Registration #11301

PA Lab Registration #68-03530

RI Lab Registration #63

VT Lab Registration #VT11301



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 17, 2012

FOR:

AMC Environmental

PO Box 423

Stratford, CT 06497

Samo	le	Info	rmation
Odillo	.~	,,,,,	1111041011

Matrix:

WIPE

Collected by:

. .

<u>Date</u> 09/11/12 <u>Time</u> 0:00

Location Code:

AMC-PCB

Received by:

LB

09/12/12

15:30

Rush Request:

24 Hour

Analyzed by:

see "By" below

P.O.#:

Laboratory Data

Custody Information

SDG ID: GBC67140 Phoenix ID: BC67140

OSBORN SCHOOL

Project ID: Client ID:

WIPE 01

		RL/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
PCB Wipe Extraction	Completed			09/12/12	BQ/K	SW-3540C
Polychlorinated Biphen	<u>yls</u>					
PCB-1016	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1221	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1232	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1242	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1248	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1254	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1260	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1262	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1268	ND	1.0	ug	09/13/12	AW	SW8082
QA/QC Surrogates						
% DCBP	94		%	09/13/12	AW	30 - 150 %
% TCMX	76		%	09/13/12	AW	30 - 150 %

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

September 17, 2012

Reviewed and Released by: Johanna Harrington, Project Manager

Page 1 of 15 Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 17, 2012

FOR:

AMC Environmental

PO Box 423

Stratford, CT 06497

see "By" below

Sample Information

Matrix:

WIPE

Location Code:

AMC-PCB

Rush Request:

24 Hour

P.O.#:

Custody Information

Collected by:

Analyzed by:

Received by:

LB

09/11/12

<u>Time</u> 0:00

09/12/12

Date

15:30

09/12/

Ver 1

Laboratory Data

SDG ID: GBC67140

Phoenix ID: BC67141

Project ID:

OSBORN SCHOOL

Client ID:

WIPE 02

		RL/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
PCB Wipe Extraction	Completed			09/12/12	BQ/K	SW-3540C
Polychlorinated Biph	<u>enyls</u>					
PCB-1016	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1221	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1232	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1242	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1248	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1254	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1260	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1262	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1268	ND	1.0	ug	09/13/12	AW	SW8082
QA/QC Surrogates						
% DCBP	92		%	09/13/12	AW	30 - 150 %
% TCMX	77		%	09/13/12	AW	30 - 150 %

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level Comments:

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September 17, 2012

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 17, 2012

FOR: AMC Environmental

PO Box 423

Stratford, CT 06497

Sample Informa	<u>ation</u>	Custody Inform	<u>iation</u>	<u>Date</u>	<u>Time</u>
Matrix:	WIPE	Collected by:		09/11/12	0:00
Location Code:	AMC-PCB	Received by:	LB	09/12/12	15:30
December December 1	04.11	A search seemed less se	1175 11 1		

Rush Request: 24 Hour Analyzed by: see "By" below

Laboratory Data

SDG ID: GBC67140

Phoenix ID: BC67142

Project ID: OSBORN SCHOOL

Client ID: WIPE 03

		RL/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
PCB Wipe Extraction	Completed			09/12/12	BQ/K	SW-3540C
Polychlorinated Biphenyl	<u>s</u>					
PCB-1016	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1221	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1232	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1242	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1248	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1254	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1260	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1262	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1268	ND	1.0	ug	09/13/12	AW	SW8082
QA/QC Surrogates						
% DCBP	72		%	09/13/12	AW	30 - 150 %
% TCMX	72		%	09/13/12	AW	30 - 150 %

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level Comments:

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Analysis Report

September 17, 2012

FOR:

AMC Environmental

PO Box 423

LB

Stratford, CT 06497

see "By" below

Sample Information

Matrix:

WIPE

AMC-PCB Location Code:

Rush Request: P.O.#:

24 Hour

Laboratory Data

Custody Information

Collected by: Received by:

Analyzed by:

09/12/12 15:30

<u>Time</u>

0:00

<u>Date</u>

09/11/12

SDG ID: GBC67140 Phoenix ID: BC67143

Project ID:

OSBORN SCHOOL

Client ID:

WIPE 04

Parameter	Result	RL/ PQL	Units	Date/Time	Ву	Reference
PCB Wipe Extraction	Completed			09/12/12	BQ/K	SW-3540C
Polychlorinated Bipheny	<u>'ls</u>					
PCB-1016	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1221	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1232	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1242	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1248	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1254	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1260	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1262	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1268	ND	1.0	ug	09/13/12	AW	SW8082
QA/QC Surrogates						
% DCBP	99		%	09/13/12	WA	30 - 150 %
% TCMX	79		%	09/13/12	AW	30 - 150 %

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Analysis Report

September 17, 2012

FOR:

AMC Environmental

PO Box 423

LB

Stratford, CT 06497

see "By" below

Samp	le	Inform	nation

Matrix: Location Code: **WIPE**

AMC-PCB

Rush Request:

24 Hour

Custody Information

Collected by: Received by:

Analyzed by:

09/11/12

09/12/12

Date

0:00

Time

15:30

P.O.#:

aboratory Data.

SDG ID: GBC67140

Phoenix ID: BC67144

Project ID:

OSBORN SCHOOL

Client ID:

WIPE 05

RL/				
PQL	Units	Date/Time	Ву	Reference
		09/12/12	BQ/K	SW-3540C
1.0	ug	09/13/12	AW	SW8082
1.0	ug	09/13/12	AW	SW8082
1.0	ug	09/13/12	AW	SW8082
1.0	ug	09/13/12	AW	SW8082
1.0	ug	09/13/12	AW	SW8082
1.0	ug	09/13/12	AW	SW8082
1.0	иg	09/13/12	AW	SW8082
1.0	ug	09/13/12	AW	SW8082
1.0	ug	09/13/12	AW	SW8082
	%	09/13/12	AW	30 - 150 %
	%	09/13/12	AW	30 - 150 %
	1.0 1.0 1.0 1.0 1.0 1.0 1.0	PQL Units 1.0 ug	PQL Units Date/Time 1.0 ug 09/13/12	PQL Units Date/Time By 09/12/12 BQ/K 1.0 ug 09/13/12 AW

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level Comments:

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Analysis Report

September 17, 2012

FOR: **AMC Environmental**

PO Box 423

Stratford, CT 06497

Sai	mnle	Info	rmation	
vai	HIDIG	HILL	manon	

Matrix:

WIPE

Location Code: AMC-PCB

Rush Request: P.O.#:

24 Hour

Custody Information

Collected by: Received by:

Analyzed by:

LB

09/11/12

Time 0:00

09/12/12

Date

15:30

see "By" below

Laboratory Data

SDG ID: GBC67140

Phoenix ID: BC67145

Project ID:

OSBORN SCHOOL

Client ID:

WIPE 06

		RL/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
PCB Wipe Extraction	Completed			09/12/12	BQ/K	SW-3540C
Polychlorinated Biphen	<u>ıyls</u>					
PCB-1016	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1221	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1232	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1242	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1248	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1254	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1260	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1262	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1268	ND	1.0	ug	09/13/12	AW	SW8082
QA/QC Surrogates						
% DCBP	91		%	09/13/12	AW	30 - 150 %
% TCMX	88		%	09/13/12	AW	30 - 150 %

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level Comments:

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Analysis Report

September 17, 2012

FOR:

AMC Environmental

PO Box 423

Stratford, CT 06497

Matrix: Location Code: WIPE

AMC-PCB

24 Hour

Rush Request: P.O.#:

Custody Information

Collected by:

Received by:

Analyzed by:

LB 09/12/12

see "By" below

Laboratory Data

SDG ID: GBC67140

Time

0:00

15:30

Phoenix ID: BC67146

Date

09/11/12

Project ID:

OSBORN SCHOOL

Client ID:

WIPE 07

		RL/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
PCB Wipe Extraction	Completed		,	09/12/12	BQ/K	SW-3540C
Polychlorinated Biphenyls	<u> </u>					
PCB-1016	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1221	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1232	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1242	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1248	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1254	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1260	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1262	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1268	ND	1.0	ug	09/13/12	AW	SW8082
QA/QC Surrogates						
% DCBP	84		%	09/13/12	WA	30 - 150 %
% TCMX	71		%	09/13/12	AW	30 - 150 %

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Analysis Report

September 17, 2012

FOR:

AMC Environmental

PO Box 423

LB

Stratford, CT 06497

see "By" below

Sample Information

Matrix:

P.O.#:

WIPE

AMC-PCB

Location Code: Rush Request:

24 Hour

Laboratory Data

Custody Information

Collected by: Received by:

Analyzed by:

SDG ID: GBC67140

<u>Date</u>

09/11/12

09/12/12

Phoenix ID: BC67147

Time

0:00

15:30

Project ID:

OSBORN SCHOOL

Client ID:

WIPE 08

		RL/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
PCB Wipe Extraction	Completed			09/12/12	BQ/K	SW-3540C
Polychlorinated Bipher	<u>ıyls</u>					
PCB-1016	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1221	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1232	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1242	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1248	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1254	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1260	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1262	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1268	ND	1.0	ug	09/13/12	AW	SW8082
QA/QC Surrogates						
% DCBP	78		%	09/13/12	AW	30 - 150 %
% TCMX	72		%	09/13/12	AW	30 - 150 %

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Analysis Report

September 17, 2012

FOR:

AMC Environmental

PO Box 423

LB

Stratford, CT 06497

see "By" below

Sample Information

Matrix:

Location Code:

WIPE

AMC-PCB

Rush Request: 24 Hour

P.O.#:

Custody Information

Collected by:

Received by:

Analyzed by:

<u>Date</u> 09/11/12 <u>Time</u> 0:00

09/12/12

15:30

Laboratory Data

SDG ID: GBC67140

Phoenix ID: BC67148

Project ID:

OSBORN SCHOOL

Client ID:

WIPE 09

		RL/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
PCB Wipe Extraction	Completed			09/12/12	BQ/K	SW-3540C
Polychlorinated Bipher	<u>ıyls</u>					
PCB-1016	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1221	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1232	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1242	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1248	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1254	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1260	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1262	NĐ	1.0	ug	09/13/12	AW	SW8082
PCB-1268	ND	1.0	ug	09/13/12	AW	SW8082
QA/QC Surrogates						
% DCBP	74		%	09/13/12	AW	30 - 150 %
% TCMX	70		%	09/13/12	AW	30 - 150 %

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level Comments:

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Analysis Report

September 17, 2012

FOR: AMC Environmental

PO Box 423

Stratford, CT 06497

Sample Informa	<u>ation</u>	Custody Information	<u>Date</u>	<u>Time</u>
Matrix:	WIPE	Collected by:	09/11/12	0:00
Location Code:	AMC-PCB	Received by: LB	09/12/12	15:30

Rush Request: 24 Hour Analyzed by: see "By" below

P.O.#:

Analyzed by: see "By" below

Laboratory Data
SDG ID: GBC67140
Phoenix ID: BC67149

Project ID: OSBORN SCHOOL

Client ID: WIPE 10

		RL/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
PCB Wipe Extraction	Completed			09/12/12	BQ/K	SW-3540C
Polychlorinated Biphen	<u>yls</u>					
PCB-1016	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1221	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1232	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1242	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1248	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1254	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1260	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1262	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1268	ND	1.0	ug	09/13/12	AW	SW8082
QA/QC Surrogates						
% DCBP	76		%	09/13/12	AW	30 - 150 %
% TCMX	76		%	09/13/12	AW	30 - 150 %

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level Comments:

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Analysis Report

September 17, 2012

FOR:

AMC Environmental

PO Box 423

Stratford, CT 06497

Sample Information

Matrix:

WIPE

AMC-PCB Location Code:

Rush Request:

24 Hour

Custody Information

Collected by: Received by:

Analyzed by:

LB

see "By" below

09/11/12 09/12/12

Date

<u>Time</u> 0:00

15:30

P.O.#:

Laboratory Data

SDG ID: GBC67140

Phoenix ID: BC67150

Project ID:

OSBORN SCHOOL

Client ID:

WIPE 11

		RL/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
PCB Wipe Extraction	Completed			09/12/12	BQ/K	SW-3540C
Polychlorinated Bipher	<u>ıyls</u>					
PCB-1016	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1221	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1232	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1242	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1248	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1254	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1260	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1262	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1268	ND	1.0	ug	09/13/12	AW	SW8082
QA/QC Surrogates						
% DCBP	73		%	09/13/12	AW	30 - 150 %
% TCMX	75		%	09/13/12	AW	30 - 150 %

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level **Comments:**

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Analysis Report

September 17, 2012

FOR:

AMC Environmental

PO Box 423

LB

Stratford, CT 06497

Sample Information

Matrix:

WIPE

Location Code:

AMC-PCB

Rush Request:

24 Hour

Analyzed by: see "By" below

Collected by:

Received by:

Date <u>Time</u> 09/11/12

0:00 15:30

09/12/12

P.O.#:

Laboratory Data

Custody Information

SDG ID: GBC67140

Phoenix ID: BC67151

Project ID:

OSBORN SCHOOL

Client ID:

WIPE 12

		RL/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
PCB Wipe Extraction	Completed			09/12/12	BQ/K	SW-3540C
Polychlorinated Bipheny	<u>ls</u>					
PCB-1016	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1221	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1232	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1242	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1248	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1254	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1260	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1262	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1268	ND	1.0	ug	09/13/12	AW	SW8082
QA/QC Surrogates						
% DCBP	84		%	09/13/12	AW	30 - 150 %
% TCMX	70		%	09/13/12	AW	30 - 150 %

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level **Comments:**

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Analysis Report

September 17, 2012

FOR:

AMC Environmental

PO Box 423

Stratford, CT 06497

Sample Information

Matrix:

P.O.#:

WIPE

Location Code:

AMC-PCB

Rush Request:

24 Hour

Custody Information

Collected by:

Received by: Analyzed by: LB

see "By" below

Laboratory Data

SDG ID: GBC67140

Time

0:00

15:30

Phoenix ID: BC67152

<u>Date</u>

09/11/12

09/12/12

Project ID:

OSBORN SCHOOL

Client ID:

WIPE 13

		RL/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
PCB Wipe Extraction	Completed			09/12/12	BQ/K	SW-3540C
Polychlorinated Bipheny	<u>/ls</u>					
PCB-1016	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1221	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1232	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1242	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1248	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1254	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1260	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1262	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1268	ND	1.0	ug	09/13/12	AW	SW8082
QA/QC Surrogates						
% DCBP	85		%	09/13/12	AW	30 - 150 %
% TCMX	72		%	09/13/12	AW	30 - 150 %

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level Comments:

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Reviewed and Released by: Johanna Harrington, Project Manager

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Fax (860) 645-0823 Tel. (860) 645-1102

Analysis Report

September 17, 2012

FOR: AMC Environmental

PO Box 423

Stratford, CT 06497

Sample Information

Matrix: Location Code: WIPE

AMC-PCB

Rush Request:

24 Hour

Custody Information

Collected by:

Received by:

Laboratory Data

LB

09/12/12

0:00

09/11/12

Date

15:30

Time

Analyzed by:

see "By" below

SDG ID: GBC67140

Phoenix ID: BC67153

Project ID:

OSBORN SCHOOL

Client ID:

P.O.#:

WIPE 14

		RL/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
PCB Wipe Extraction	Completed			09/12/12	BQ/K	SW-3540C
Polychlorinated Bipheny	<u>is</u>					
PCB-1016	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1221	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1232	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1242	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1248	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1254	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1260	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1262	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1268	ND	1.0	ug	09/13/12	AW	SW8082
QA/QC Surrogates						
% DCBP	80		%	09/13/12	AW	30 - 150 %
% TCMX	74		%	09/13/12	AW	30 - 150 %

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

September 17, 2012

Reviewed and Released by: Johanna Harrington, Project Manager

Page 14 of 15 Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 17, 2012

FOR:

AMC Environmental

PO Box 423

Stratford, CT 06497

Samo	اما	Infa	arm	ation	
COLUMN 2	15			auch	

Matrix: Location Code: **WIPE**

AMC-PCB

Rush Request:

24 Hour

Custody Information

Collected by:

Received by: Analyzed by: LB

rr

see "By" below

09/11/12 09/12/12

Date

<u>Time</u> 0:00

15:30

P.O.#:

Laboratory Data

SDG ID: GBC67140

Phoenix ID: BC67154

Project ID:

OSBORN SCHOOL

Client ID:

WIPE 15

		RL/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
PCB Wipe Extraction	Completed		000.2 0	09/12/12	BQ/K	SW-3540C
Polychlorinated Biphenyl	<u>s</u>					
PCB-1016	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1221	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1232	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1242	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1248	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1254	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1260	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1262	ND	1.0	ug	09/13/12	AW	SW8082
PCB-1268	ND	1.0	ug	09/13/12	AW	SW8082
QA/QC Surrogates						
% DCBP	80		%	09/13/12	AW	30 - 150 %
% TCMX	76		%	09/13/12	AW	30 - 150 %

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

September 17, 2012

Reviewed and Released by: Johanna Harrington, Project Manager

Page 15 of 15



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

September 17, 2012

QA/QC Data

SDG I.D.: GBC67140

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	Rec Limits	RPD Limits
QA/QC Batch 209099, QC Sa BC67147, BC67148, BC6714					3, BC6	7144, B	C67145	, BC6714	6,
Polychlorinated Biphen	• • •	0, 102, 200, 100, 1	-00,.0	7					
PCB-1016	ND	98	96	2.1				40 - 140	30
CB-1221	ND							40 - 140	30
CB-1232	ND							40 - 140	30
CB-1242	ND							40 - 140	30
CB-1248	ND							40 - 140	30
CB-1254	ND							40 - 140	30
CB-1260	ND	100	96	4.1				40 - 140	30
CB-1262	ND							40 - 140	30
CB-1268	ND							40 - 140	30
6 DCBP (Surrogate Rec)	81	76	76	0.0				30 - 150	30
6 TCMX (Surrogate Rec)	78	80	78	2.5				30 - 150	30
Comment:									
A LCS and LCS Duplicate were	performed instead of a matrix s	pike and matrix spike	duplicate	∍.					

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis Shiller, Laboratory Director

September 17, 2012

Sample Criteria Exceedences Report Monday, September 17, 2012

Requested Criteria: None

State: CT

SampNo

Phoenix Analyte Acode

Criteria

GBC67140 - AMC-PCB

쬬 Result

Criteria

Analysis Units

RL Criteria

Page 1 of 1

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

	1			11	1/2	\	Т					Т		П		T		<u> </u>					
Coolant: IPK ☐ ICE ☐ No ☐	C Pg /of S	The second secon		ruggo j rosaj or	Maga Maga S	Calingue Court	1											Data Format		EQUIS	Data Package Tier II Checklist	Full Data Package* Phoenix Std Report Other	* SURCHARGE APPLIES
JAN Coolar	Тепр	Data Delivery: ☐ Fax #. Dy Email:	Project P.O:	CORT		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$												MCP Certification	GW-1	GW-3	2. % 1.	S-3 MWRA eSMART	:ted:
60 h	1		CMX)			SON INS											A	CT CT CD Cod	<u> </u>	Sw Protection GA Mobility	GB Mobility Residential DEC	UC DEC	State where samples were collected:
	CHAIN OF CUSTODY RECORD	587 East Middle Turnpike, Manchester, CT 06040 Email: info@phoenixlabs.com Fax (860) 645-0823 Client Services (860) 645-8726	Cooper S	Con Con			04/HD	のナン	大人、方の	0417%	なである	スプスク	2/12	5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	られてい	64150	[S X S	R. Direct Exposure	(Residential)	Other			
	HAIN OF CUST	87 East Middle Tumpike, Manchester, CT 060 ail: info@phoenixlabs.com Fax (860) 645: Client Services (860) 645-8726	Project: Report to:	Analysis Request		de	×	*	χ,	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	+	*	χ,	\ \ '	7 7	1	<u> </u>	Date: Time:	1 4	1/20/1	Turnaround:	2 Days* 3 Days* Standard	U Other SURCHARGE APPLIES
	O	Б	ta/ T 01215	cation Date: 9/11/15	iter WW=Waste Water ive O≕Other	e Date Time Sampled, Sampled	の言言で	n Car.	ig Kr	- Kray	Lane	Specult	(* 500g	T :	10 + 00 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6 t	Thanks thoughou		1	- M			
		Laboratories, Inc.	Environmer XXX 493	Client Sample - Information - Identification	und Water SW=Surface Wis	Customer Sample Sample Identification Matrix	11 - 1200 co 60 co	2. 45 500 54 C	い、上ののできた。	ユ が が 記 法 が 記 法	STATE OF THE STATE	が大名	「一本の内が	2- W/2 80	NA STATES	のプライング	D PROPER	Accepted by:			nts or Regulations:	<u>{</u>	
		PHOLINE Environmental Labor	Customer: AMC Address: 207	Sampler's Client Sam Signature	Matrix Code: DW=Drinking Water GW=Ground Water SW=Surface Water WW=Weste Water SE=Sediment SL≈Studge S=Soil/Solid W=Wipe O=Other	PHOENIX USE ONLY Custo) مكإن	80 paris	Odci	0200	U Pecs	-010 action	1,0000	20 d		WADE !	1 20km	dwished by			Comments, special Requirements or Regulations:	(- \	
į		- I FE		Sig	필요 없	PHO												Relin	X 3/) [5		

Osborne Hill School September 21, 2012 Page 8 of 8

<u>Laboratory Results – PCB Bulk Samples</u>



September 20, 2012

Sandy Owen AMC Environmental, LLC PO Box 423 Stratford, CT 06615

Project Location: 760 Stillson Ave

Client Job Number: Project Number: [none]

Laboratory Work Order Number: 12I0364

Lua Wasslengton

Enclosed are results of analyses for samples received by the laboratory on September 13, 2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa A. Worthington Project Manager



AMC Environmental, LLC PO Box 423 Stratford, CT 06615

ATTN: Sandy Owen

REPORT DATE: 9/20/2012

PURCHASE ORDER NUMBER:

PROJECT NUMBER:

[none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER:

1210364

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

PROJECT LOCATION:

760 Stillson Ave

FIELD SAMPLE#	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
01- Library CT- N/V	1210364-01	Product/Solid		SW-846 8082A	-
02- Library CT- N/V	1210364-02	Product/Solid		SW-846 8082A	
03- Library CT- N/V	1210364-03	Product/Solid		SW-846 8082A	
04- Library CT- A/V	12I0364-04	Product/Solid		SW-846 8082A	
05- Hallway CT- N/V	1210364-05	Product/Solid		SW-846 8082A	
06- Hallway CT- N/V	12I0364-06	Product/Solid		SW-846 8082A	
07- Hall CT- A/V	1210364-07	Product/Solid		SW-846 8082A	
08- Reading Rm CT- N/V	12I0364-08	Product/Solid		SW-846 8082A	
09- Reading Rm CT- A/V	1210364-09	Product/Solid		SW-846 8082A	
10- Girls Bath CT- N/V	12I0364-10	Product/Solid		SW-846 8082A	
11- Girls Bath CT- A/V	12I0364-11	Product/Solid		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.

SW-846 8082A

Qualifications:

Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.

Analyte & Samples(s) Qualified:

Aroclor-1016, Aroclor-1016 [2C], Aroclor-1260, Aroclor-1260 [2C] B059047-MS2

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl, Decachlorobiphenyl [2C], Tetrachloro-m-xylene, Tetrachloro-m-xylene [2C]
12I0364-01RE1[01- Library CT- N/V], 12I0364-02[02- Library CT- N/V], 12I0364-03[03- Library CT- N/V], 12I0364-04[04- Library CT- A/V]

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.

Daren J. Damboragian Laboratory Manager



Project Location: 760 Stillson Ave

Sample Description:

Work Order: 12I0364

Date Received: 9/13/2012

Field Sample #: 01- Library CT- N/V

Sampled: 9/12/2012 00:00

Sample ID: 1210364-01

		Polychlori	nated Biphenyls w	ith 3540 Soxhlo	et Extraction				
Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analys
Aroclor-1016 [1]	ND	10	mg/Kg	100		SW-846 8082A	9/18/12	9/20/12 15:39	MJC
Aroclor-1221 [1]	ND	10	mg/Kg	100		SW-846 8082A	9/18/12	9/20/12 15:39	MJC
Aroclor-1232 [1]	ND	10	mg/Kg	100		SW-846 8082A	9/18/12	9/20/12 15:39	MJC
Aroclor-1242 [1]	ND	10	mg/Kg	100		SW-846 8082A	9/18/12	9/20/12 15:39	MJC
Aroclor-1248 [1]	ND	10	mg/Kg	100		SW-846 8082A	9/18/12	9/20/12 15:39	MJC
Aroclor-1254 [2]	40	10	mg/Kg	100		SW-846 8082A	9/18/12	9/20/12 15:39	MJC
Aroclor-1260 [1]	ND	10	mg/Kg	100		SW-846 8082A	9/18/12	9/20/12 15:39	MJC
Aroclor-1262 [1]	ND	10	mg/Kg	100		SW-846 8082A	9/18/12	9/20/12 15:39	MJC
Aroclor-1268 [1]	ND	10	mg/Kg	100		SW-846 8082A	9/18/12	9/20/12 15:39	MJC
Surrogates		% Recovery	Recovery Limi	ts	Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			9/20/12 15:39	
Decachlorobiphenyl [2]		*	30-150		S-01			9/20/12 15:39	
Гetrachloro-m-xylene [1]		*	30-150		S-01			9/20/12 15:39	
Tetrachloro-m-xylene [2]		*	30-150		S-01			9/20/12 15:39	



Project Location: 760 Stillson Ave

Sample Description:

Work Order: 12I0364

Date Received: 9/13/2012

Field Sample #: 02- Library CT- N/V

Sampled: 9/12/2012 00:00

Sample ID: 1210364-02

Sample Matrix: Product/Solid									
		Polychlori	nated Biphenyls wi	th 3540 Soxhlo	et Extraction				
Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analys
Aroclor-1016 [1]	ND	4.8	mg/Kg	50		SW-846 8082A	9/13/12	9/17/12 10:09	PJG
Aroclor-1221 [1]	ND	4.8	mg/Kg	50		SW-846 8082A	9/13/12	9/17/12 10:09	PJG
Aroclor-1232 [1]	ND	4.8	mg/Kg	50		SW-846 8082A	9/13/12	9/17/12 10:09	PJG
Aroclor-1242 [1]	ND	4.8	mg/Kg	50		SW-846 8082A	9/13/12	9/17/12 10:09	PJG
Aroclor-1248 [1]	ND	4.8	mg/Kg	50		SW-846 8082A	9/13/12	9/17/12 10:09	PJG
Aroclor-1254 [1]	39	4.8	mg/Kg	50		SW-846 8082A	9/13/12	9/17/12 10:09	PJG
Aroclor-1260 [1]	ND	4.8	mg/Kg	50		SW-846 8082A	9/13/12	9/17/12 10:09	PJG
Aroclor-1262 [1]	ND	4.8	mg/Kg	50		SW-846 8082A	9/13/12	9/17/12 10:09	PJG
Aroclor-1268 [1]	ND	4.8	mg/Kg	50		SW-846 8082A	9/13/12	9/17/12 10:09	PJG
Surrogates		% Recovery	Recovery Limit	s	Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			9/17/12 10:09	
Decachlorobiphenyl [2]		*	30-150		S-01			9/17/12 10:09	
Tetrachloro-m-xylene [1]		*	30-150		S-01			9/17/12 10:09	
Tetrachloro-m-xylene [2]		*	30-150		S-01			9/17/12 10:09	



Project Location: 760 Stillson Ave

Sample Description:

Work Order: 1210364

Date Received: 9/13/2012

Field Sample #: 03- Library CT- N/V

Sampled: 9/12/2012 00:00

Sample ID: 12I0364-03

		Polychlorii	nated Biphenyls w	ith 3540 Soxhlo	et Extraction				
Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analys
Aroclor-1016 [1]	ND	4.8	mg/Kg	50		SW-846 8082A	9/13/12	9/17/12 10:22	PJG
Aroclor-1221 [1]	ND	4.8	mg/Kg	50		SW-846 8082A	9/13/12	9/17/12 10:22	PJG
Aroclor-1232 [1]	ND	4.8	mg/Kg	50		SW-846 8082A	9/13/12	9/17/12 10:22	PJG
Aroclor-1242 [1]	ND	4.8	mg/Kg	50		SW-846 8082A	9/13/12	9/17/12 10:22	PJG
Aroclor-1248 [1]	ND	4.8	mg/Kg	50		SW-846 8082A	9/13/12	9/17/12 10:22	PJG
Aroclor-1254 [1]	37	4.8	mg/Kg	50		SW-846 8082A	9/13/12	9/17/12 10:22	PJG
Aroclor-1260 [1]	ND	4.8	mg/Kg	50		SW-846 8082A	9/13/12	9/17/12 10:22	PJG
Aroclor-1262 [1]	ND	4.8	mg/Kg	50		SW-846 8082A	9/13/12	9/17/12 10:22	PJG
Aroclor-1268 [1]	ND	4.8	mg/Kg	50		SW-846 8082A	9/13/12	9/17/12 10:22	PJG
Surrogates		% Recovery	Recovery Limi	ts	Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			9/17/12 10:22	
Decachlorobiphenyl [2]		*	30-150		S-01			9/17/12 10:22	
Tetrachloro-m-xylene [1]		*	30-150		S-01			9/17/12 10:22	
Tetrachloro-m-xylene [2]		*	30-150		S-01			9/17/12 10:22	



Project Location: 760 Stillson Ave

Sample Description:

Work Order: 12I0364

9/17/12 10:35

9/17/12 10:35

Date Received: 9/13/2012

Field Sample #: 04- Library CT- A/V

Sampled: 9/12/2012 00:00

Sample ID: 1210364-04 Sample Matrix: Product/Solid

Tetrachloro-m-xylene [1]

Tetrachloro-m-xylene [2]

	Polychlori	nated Biphenyls wi	th 3540 Soxhl	et Extraction				
Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
ND	4.5	mg/Kg	50		SW-846 8082A	9/13/12	9/17/12 10:35	PJG
ND	4.5	mg/Kg	50		SW-846 8082A	9/13/12	9/17/12 10:35	PJG
ND	4.5	mg/Kg	50		SW-846 8082A	9/13/12	9/17/12 10:35	PJG
ND	4.5	mg/Kg	50		SW-846 8082A	9/13/12	9/17/12 10:35	PJG
ND	4.5	mg/Kg	50		SW-846 8082A	9/13/12	9/17/12 10:35	PJG
55	4.5	mg/Kg	50		SW-846 8082A	9/13/12	9/17/12 10:35	PJG
ND	4.5	mg/Kg	50		SW-846 8082A	9/13/12	9/17/12 10:35	PJG
ND	4.5	mg/Kg	50		SW-846 8082A	9/13/12	9/17/12 10:35	PJG
ND	4.5	mg/Kg	50		SW-846 8082A	9/13/12	9/17/12 10:35	PJG
	% Recovery	Recovery Limits	i .	Flag				
	*	30-150		S-01			9/17/12 10:35	
	*	30-150		S-01			9/17/12 10:35	
	ND ND ND ND ND ND ND S55 ND	Results RL ND 4.5 ND 4.5 ND 4.5 ND 4.5 S5 4.5 ND 4.5 ND 4.5 ND 4.5 ND 4.5 WRecovery *	Results RL Units ND 4.5 mg/Kg W Recovery Recovery Limits * 30-150	Results RL Units Dilution ND 4.5 mg/Kg 50 WRecovery Recovery Limits	ND 4.5 mg/Kg 50 ND 50 S-01	Results RL Units Dilution Flag Method ND 4.5 mg/Kg 50 SW-846 8082A ND 4.5 mg/Kg 50 SW-846 8082A	Results RL Units Dilution Flag Method Prepared ND 4.5 mg/Kg 50 SW-846 8082A 9/13/12 ND 4.5 mg/Kg 50 SW-846 8082A <td>Results RL Units Dilution Flag Method Prepared Prepared Analyzed ND 4.5 mg/Kg 50 SW-846 8082A 9/13/12 9/17/12 10:35 ND 4.5 mg/Kg 50 SW-846 8082A 9/13/12 9/17/12 10:35 ND 4.5 mg/Kg 50 SW-846 8082A 9/13/12 9/17/12 10:35 ND 4.5 mg/Kg 50 SW-846 8082A 9/13/12 9/17/12 10:35 ND 4.5 mg/Kg 50 SW-846 8082A 9/13/12 9/17/12 10:35 ND 4.5 mg/Kg 50 SW-846 8082A 9/13/12 9/17/12 10:35 ND 4.5 mg/Kg 50 SW-846 8082A 9/13/12 9/17/12 10:35 ND 4.5 mg/Kg 50 SW-846 8082A 9/13/12 9/17/12 10:35 ND 4.5 mg/Kg 50 SW-846 8082A 9/13/12 9/17/12 10:35 ND 4.5 mg/Kg 50 SW-846 8082A 9/13/</td>	Results RL Units Dilution Flag Method Prepared Prepared Analyzed ND 4.5 mg/Kg 50 SW-846 8082A 9/13/12 9/17/12 10:35 ND 4.5 mg/Kg 50 SW-846 8082A 9/13/12 9/17/12 10:35 ND 4.5 mg/Kg 50 SW-846 8082A 9/13/12 9/17/12 10:35 ND 4.5 mg/Kg 50 SW-846 8082A 9/13/12 9/17/12 10:35 ND 4.5 mg/Kg 50 SW-846 8082A 9/13/12 9/17/12 10:35 ND 4.5 mg/Kg 50 SW-846 8082A 9/13/12 9/17/12 10:35 ND 4.5 mg/Kg 50 SW-846 8082A 9/13/12 9/17/12 10:35 ND 4.5 mg/Kg 50 SW-846 8082A 9/13/12 9/17/12 10:35 ND 4.5 mg/Kg 50 SW-846 8082A 9/13/12 9/17/12 10:35 ND 4.5 mg/Kg 50 SW-846 8082A 9/13/

S-01

S-01

30-150

30-150



Project Location: 760 Stillson Ave

Sample Description:

Work Order: 1210364

Date Received: 9/13/2012

Field Sample #: 05- Hallway CT- N/V

Sampled: 9/12/2012 00:00

Sample ID: 1210364-05

		Polychlori	nated Biphenyls wit	th 3540 Soxhle	et Extraction				
Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analys
Aroclor-1016 [1]	ND	1.6	mg/Kg	20		SW-846 8082A	9/14/12	9/17/12 17:36	MJC
Aroclor-1221 [1]	ND	1.6	mg/Kg	20		SW-846 8082A	9/14/12	9/17/12 17:36	MJC
Aroclor-1232 [1]	ND	1.6	mg/Kg	20		SW-846 8082A	9/14/12	9/17/12 17:36	MJC
Aroclor-1242 [1]	ND	1.6	mg/Kg	20		SW-846 8082A	9/14/12	9/17/12 17:36	MJC
Aroclor-1248 [1]	ND	1.6	mg/Kg	20		SW-846 8082A	9/14/12	9/17/12 17:36	MJC
Aroclor-1254 [1]	11	1.6	mg/Kg	20		SW-846 8082A	9/14/12	9/17/12 17:36	MJC
Aroclor-1260 [1]	ND	1.6	mg/Kg	20		SW-846 8082A	9/14/12	9/17/12 17:36	MJC
Aroclor-1262 [1]	ND	1.6	mg/Kg	20		SW-846 8082A	9/14/12	9/17/12 17:36	MJC
Aroclor-1268 [1]	ND	1.6	mg/Kg	20		SW-846 8082A	9/14/12	9/17/12 17:36	MJC
Surrogates		% Recovery	Recovery Limits	S	Flag				
Decachlorobiphenyl [1]		125	30-150					9/17/12 17:36	
Decachlorobiphenyl [2]		102	30-150					9/17/12 17:36	
Tetrachloro-m-xylene [1]		111	30-150					9/17/12 17:36	
Tetrachloro-m-xylene [2]		114	30-150					9/17/12 17:36	



Project Location: 760 Stillson Ave

Sample Description:

Work Order: 1210364

Date Received: 9/13/2012

Field Sample #: 06- Hallway CT- N/V

Sampled: 9/12/2012 00:00

Sample ID: 12I0364-06

		Polychlori	nated Biphenyls wi	th 3540 Soxhle	et Extraction				
Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	9/13/12	9/17/12 11:01	PJG
Aroclor-1221 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	9/13/12	9/17/12 11:01	PJG
Aroclor-1232 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	9/13/12	9/17/12 11:01	PJG
Aroclor-1242 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	9/13/12	9/17/12 11:01	PJG
Aroclor-1248 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	9/13/12	9/17/12 11:01	PJG
Aroclor-1254 [1]	12	1.9	mg/Kg	20		SW-846 8082A	9/13/12	9/17/12 11:01	PJG
Aroclor-1260 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	9/13/12	9/17/12 11:01	PJG
Aroclor-1262 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	9/13/12	9/17/12 11:01	PJG
Aroclor-1268 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	9/13/12	9/17/12 11:01	PJG
Surrogates		% Recovery	Recovery Limit	s	Flag				men in the same
Decachlorobiphenyl [1]		124	30-150					9/17/12 11:01	
Decachlorobiphenyl [2]		92.6	30-150					9/17/12 11:01	
Tetrachloro-m-xylene [1]		102	30-150					9/17/12 11:01	
Tetrachloro-m-xylene [2]		104	30-150					9/17/12 11:01	



Project Location: 760 Stillson Ave

Sample Description:

Work Order: 1210364

Date Received: 9/13/2012

Field Sample #: 07- Hall CT- A/V

Sampled: 9/12/2012 00:00

Sample ID: 12I0364-07
Sample Matrix: Product/Solid

		25/20 11.	
Polychloringted	Rinhenvis with	3540 Soxblet	Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.8	mg/Kg	20		SW-846 8082A	9/13/12	9/17/12 11:13	PJG
Aroclor-1221 [1]	ND	1.8	mg/Kg	20		SW-846 8082A	9/13/12	9/17/12 11:13	PJG
Aroclor-1232 [1]	ND	1.8	mg/Kg	20		SW-846 8082A	9/13/12	9/17/12 11:13	PJG
Aroclor-1242 [1]	ND	1.8	mg/Kg	20		SW-846 8082A	9/13/12	9/17/12 11:13	PJG
Aroclor-1248 [1]	ND	1.8	mg/Kg	20		SW-846 8082A	9/13/12	9/17/12 11:13	PJG
Aroclor-1254 [1]	17	1.8	mg/Kg	20		SW-846 8082A	9/13/12	9/17/12 11:13	PJG
Aroclor-1260 [1]	ND	1.8	mg/Kg	20		SW-846 8082A	9/13/12	9/17/12 11:13	PJG
Aroclor-1262 [1]	ND	1.8	mg/Kg	20		SW-846 8082A	9/13/12	9/17/12 11:13	PJG
Aroclor-1268 [1]	ND	1.8	mg/Kg	20		SW-846 8082A	9/13/12	9/17/12 11:13	PJG
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		134	30-150					9/17/12 11:13	
Decachlorobiphenyl [2]		101	30-150					9/17/12 11:13	
Tetrachloro-m-xylene [1]		117	30-150					9/17/12 11:13	
Tetrachloro-m-xylene [2]		119	30-150					9/17/12 11:13	



Project Location: 760 Stillson Ave

Sample Description:

Work Order: 12I0364

Date Received: 9/13/2012

Field Sample #: 08- Reading Rm CT- N/V

Sampled: 9/12/2012 00:00

Sample ID: 1210364-08

		Polychlori	nated Biphenyls wit	h 3540 Soxhlo	et Extraction				
Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/13/12	9/17/12 11:26	PJG
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/13/12	9/17/12 11:26	PJG
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/13/12	9/17/12 11:26	PJG
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/13/12	9/17/12 11:26	PJG
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/13/12	9/17/12 11:26	PJG
Aroclor-1254 [1]	4.0	0.48	mg/Kg	5		SW-846 8082A	9/13/12	9/17/12 11:26	PJG
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/13/12	9/17/12 11:26	PJG
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/13/12	9/17/12 11:26	PJG
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/13/12	9/17/12 11:26	PJG
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		111	30-150					9/17/12 11:26	
Decachlorobiphenyl [2]		82.7	30-150					9/17/12 11:26	
Tetrachloro-m-xylene [1]		99.4	30-150					9/17/12 11:26	
Tetrachloro-m-xylene [2]		103	30-150					9/17/12 11:26	



Project Location: 760 Stillson Ave

Sample Description:

Work Order: 1210364

Date Received: 9/13/2012

Field Sample #: 09- Reading Rm CT- A/V

Sampled: 9/12/2012 00:00

Sample ID: 12I0364-09

Sample Matrix: Product/Solid

		Polychlori	nated Biphenyls wi	ith 3540 Soxhlo	et Extraction				
Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	9/13/12	9/17/12 11:39	PJG
Aroclor-1221 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	9/13/12	9/17/12 11:39	PJG
Aroclor-1232 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	9/13/12	9/17/12 11:39	PJG
Aroclor-1242 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	9/13/12	9/17/12 11:39	PJG
Aroclor-1248 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	9/13/12	9/17/12 11:39	PJG
Aroclor-1254 [1]	4.6	0.95	mg/Kg	10		SW-846 8082A	9/13/12	9/17/12 11:39	PJG
Aroclor-1260 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	9/13/12	9/17/12 11:39	PJG
Aroclor-1262 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	9/13/12	9/17/12 11:39	PJG
Aroclor-1268 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	9/13/12	9/17/12 11:39	PJG
Surrogates		% Recovery	Recovery Limit	ls	Flag				
Decachlorobiphenyl [1]		115	30-150					9/17/12 11:39	
Decachlorobiphenyl [2]		85.5	30-150					9/17/12 11:39	
Tetrachloro-m-xylene [1]		102	30-150					9/17/12 11:39	
Tetrachloro-m-xylene [2]		104	30-150					9/17/12 11:39	



Project Location: 760 Stillson Ave

Sample Description:

Work Order: 12I0364

Date Received: 9/13/2012

Field Sample #: 10- Girls Bath CT- N/V

Sampled: 9/12/2012 00:00

Sample ID: 12I0364-10

Sample Matrix: Product/Solid

		Polychlori	nated Biphenyls wi	th 3540 Soxhlo	et Extraction				
Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	9/13/12	9/17/12 11:52	PJG
Aroclor-1221 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	9/13/12	9/17/12 11:52	PJG
Aroclor-1232 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	9/13/12	9/17/12 11:52	PJG
Aroclor-1242 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	9/13/12	9/17/12 11:52	PJG
Aroclor-1248 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	9/13/12	9/17/12 11:52	PJG
Aroclor-1254 [1]	8.3	0.91	mg/Kg	10		SW-846 8082A	9/13/12	9/17/12 11:52	PJG
Aroclor-1260 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	9/13/12	9/17/12 11:52	PJG
Aroclor-1262 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	9/13/12	9/17/12 11:52	PJG
Aroclor-1268 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	9/13/12	9/17/12 11:52	PJG
Surrogates		% Recovery	Recovery Limit	s	Flag				
Decachlorobiphenyl [1]		120	30-150					9/17/12 11:52	
Decachlorobiphenyl [2]		90.2	30-150					9/17/12 11:52	
Tetrachloro-m-xylene [1]		106	30-150					9/17/12 11:52	
Tetrachloro-m-xylene [2]		108	30-150					9/17/12 11:52	



Project Location: 760 Stillson Ave

Sample Description:

Work Order: 1210364

Date Received: 9/13/2012

Field Sample #: 11- Girls Bath CT- A/V

Sampled: 9/12/2012 00:00

Sample ID: 12I0364-11

		Polychlori	nated Biphenyls wit	h 3540 Soxhle	et Extraction				
Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	9/13/12	9/17/12 12:05	PJG
Aroclor-1221 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	9/13/12	9/17/12 12:05	PJG
Aroclor-1232 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	9/13/12	9/17/12 12:05	PJG
Aroclor-1242 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	9/13/12	9/17/12 12:05	PJG
Aroclor-1248 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	9/13/12	9/17/12 12:05	PJG
Aroclor-1254 [1]	10	0.95	mg/Kg	10		SW-846 8082A	9/13/12	9/17/12 12:05	PJG
Aroclor-1260 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	9/13/12	9/17/12 12:05	PJG
Aroclor-1262 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	9/13/12	9/17/12 12:05	PJG
Aroclor-1268 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	9/13/12	9/17/12 12:05	PJG
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		114	30-150					9/17/12 12:05	
D		05.0	20.150					0/17/13 13:05	



Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date	
1210364-02 [02- Library CT- N/V]	B058738	2.10	10.0	09/13/12	
1210364-03 [03- Library CT- N/V]	B058738	2.10	10.0	09/13/12	
1210364-04 [04- Library CT- A/V]	B058738	2.20	10.0	09/13/12	
1210364-06 [06- Hallway CT- N/V]	B058738	2.10	10.0	09/13/12	
1210364-07 [07- Hall CT- A/V]	B058738	2.20	10.0	09/13/12	
1210364-08 [08- Reading Rm CT- N/V]	B058738	2.10	10.0	09/13/12	
1210364-09 [09- Reading Rm CT- A/V]	B058738	2.10	10.0	09/13/12	
1210364-10 [10- Girls Bath CT- N/V]	B058738	2.20	10.0	09/13/12	
12I0364-11 [11- Girls Bath CT- A/V]	B058738	2.10	10.0	09/13/12	

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date	
1210364-05RE1 [05- Hallway CT- N/V]	B058815	2.50	10.0	09/14/12	

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
12I0364-01RE1 [01- Library CT- N/V]	B059047	2.00	10.0	09/18/12



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332 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
Batch B058738 - SW-846 3540C		444								
Blank (B058738-BLK1)				Prepared: 09	/13/12 Anal	yzed: 09/14/1	2			
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
roclor-1221 [2C]	ND	0.10	mg/Kg							
roclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
urrogate: Decachlorobiphenyl	1.04		mg/Kg	1.00		104	30-150			
urrogate: Decachlorobiphenyl [2C]	0.791		mg/Kg	1.00		79.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.932		mg/Kg	1.00		93.2	30-150			
surrogate: Tetrachloro-m-xylene [2C]	0.949		mg/Kg	1.00		94.9	30-150			
CS (B058738-BS1)				Prepared: 09	9/13/12 Anal	yzed: 09/14/	12			
Aroclor-1016	0.26	0.10	mg/Kg	0.250		106	40-140			
Aroclor-1016 [2C]	0.25	0.10	mg/Kg	0.250		101	40-140			
Aroclor-1260	0.26	0.10	mg/Kg	0.250		104	40-140			
Aroclor-1260 [2C]	0.23	0.10	mg/Kg	0.250		90.8	40-140			
Surrogate: Decachlorobiphenyl	1.05		mg/Kg	1.00		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.794		mg/Kg	1.00		79.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.952		mg/Kg	1.00		95.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.978		mg/Kg	1.00		97.8	30-150			
LCS Dup (B058738-BSD1)	Prepared: 09/13/12 Analyzed: 09/14/12									
Aroclor-1016	0.22	0.10	mg/Kg	0.250		88.2	40-140	18.1	30	
Aroclor-1016 [2C]	0.21	0.10	mg/Kg	0.250		85.6	40-140	17.0	30	
Aroclor-1260	0.22	0.10	mg/Kg	0.250		90.0	40-140	14.8	30	
Aroclor-1260 [2C]	0.19	0.10	mg/Kg	0.250		75.0	40-140	19.0	30	
Surrogate: Decachlorobiphenyl	0.870		mg/Kg	1.00		87.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.663		mg/Kg	1.00		66.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.788		mg/Kg	1.00		78.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.806		mg/Kg	1.00		80.6	30-150			



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332 QUALITY CONTROL

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B058815 - SW-846 3540C	614									
Blank (B058815-BLK1)				Prepared: 09	0/14/12 Anal	yzed: 09/17/	12			
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	0.952		mg/Kg	1.00		95.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.741		mg/Kg	1.00		74.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.937		mg/Kg	1.00		93.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.965		mg/Kg	1.00		96.5	30-150			
LCS (B058815-BS1)				Prepared: 09	9/14/12 Anal	yzed: 09/17/	12			
Aroclor-1016	0.27	0.10	mg/Kg	0.250		109	40-140			
Aroclor-1016 [2C]	0.26	0.10	mg/Kg	0.250		105	40-140			
Aroclor-1260	0.27	0.10	mg/Kg	0.250		106	40-140			
Aroclor-1260 [2C]	0.23	0.10	mg/Kg	0.250		90.5	40-140			
Surrogate: Decachlorobiphenyl	1.07		mg/Kg	1.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.821		mg/Kg	1.00		82.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.991		mg/Kg	1.00		99.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.02		mg/Kg	1.00		102	30-150			
LCS Dup (B058815-BSD1)				Prepared: 09	9/14/12 Anal	yzed: 09/17/	12			
Aroclor-1016	0.28	0.10	mg/Kg	0.250		113	40-140	3.79	30	
Aroclor-1016 [2C]	0.29	0.10	mg/Kg	0.250		115	40-140	8.69	30	
Aroclor-1260	0.27	0.10	mg/Kg	0.250		107	40-140	0.531	30	
Aroclor-1260 [2C]	0.23	0.10	mg/Kg	0.250		90.7	40-140	0.225	30	
Surrogate: Decachlorobiphenyl	1.05		mg/Kg	1.00		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.841		mg/Kg	1.00		84.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.933		mg/Kg	1.00		93.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.962		mg/Kg	1.00		96.2	30-150			



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332 QUALITY CONTROL

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B059047 - SW-846 3540C										
Blank (B059047-BLK1)				Prepared: 09	7/18/12 Anal	yzed: 09/19/1	2			
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
urrogate: Decachlorobiphenyl	0.834		mg/Kg	1.00		83.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.786		mg/Kg	1.00		78.6	30-150			
urrogate: Tetrachloro-m-xylene	0.739		mg/Kg	1.00		73.9	30-150			
urrogate: Tetrachloro-m-xylene [2C]	0.798		mg/Kg	1.00		79.8	30-150			
.CS (B059047-BS1)				Prepared: 09	9/18/12 Anal	yzed: 09/19/1	12			
Aroclor-1016	0.23	0.10	mg/Kg	0.250		90.4	40-140			
Aroclor-1016 [2C]	0.24	0.10	mg/Kg	0.250		95.7	40-140			
Aroclor-1260	0.22	0.10	mg/Kg	0.250		89.0	40-140			
Aroclor-1260 [2C]	0.22	0.10	mg/Kg	0.250		87.5	40-140			
urrogate: Decachlorobiphenyl	0.892		mg/Kg	1.00		89.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.845		mg/Kg	1.00		84.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.791		mg/Kg	1.00		79.1	30-150			
Surrogate; Tetrachloro-m-xylene [2C]	0.847		mg/Kg	1.00		84.7	30-150			
.CS Dup (B059047-BSD1)				Prepared: 09	0/18/12 Anal	yzed: 09/19/	12			
Aroclor-1016	0.23	0.10	mg/Kg	0.250		91.8	40-140	1.58	30	
Aroclor-1016 [2C]	0.24	0.10	mg/Kg	0.250		96.1	40-140	0.377	30	
Aroclor-1260	0.23	0.10	mg/Kg	0.250		90.5	40-140	1.66	30	
Aroclor-1260 [2C]	0.22	0.10	mg/Kg	0.250		88.2	40-140	0.802	30	
Surrogate: Decachlorobiphenyl	0.904		mg/Kg	1.00		90.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.851		mg/Kg	1.00		85.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.796		mg/Kg	1.00		79.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.852		mg/Kg	1.00		85.2	30-150			



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332 QUALITY CONTROL

		Reporting		Spike	Source		0	%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC		Limits	RPD	Limit	Notes
Batch B059047 - SW-846 3540C											
Matrix Spike (B059047-MS2)	Source	ee; 1210364-0	1RE1	Prepared: 09	7/18/12 Analy:	zed: 09/	19/12				
Aroclor-1016	3.4	0.10	mg/Kg	0.250	0.0	1340	* 4	0-140			MS-21
Aroclor-1016 [2C]	5.2	0.10	mg/Kg	0.250	0.0	2090	* 4	0-140			MS-21
Aroclor-1260	7.7	0.10	mg/Kg	0.250	0.0	3090	* 4	0-140			MS-21
Aroclor-1260 [2C]	9.2	0.10	mg/Kg	0.250	0.0	3690	* 4	0-140			MS-21
Surrogate: Decachlorobiphenyl	0.725		mg/Kg	1.00		72.5	3	0-150			
Surrogate: Decachlorobiphenyl [2C]	0.681		mg/Kg	1.00		68.1	3	30-150			
Surrogate: Tetrachloro-m-xylene	0.556		mg/Kg	1.00		55.6	3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.584		mg/Kg	1.00		58.4	3	30-150			



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.
IS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit



CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC
Aroclor-1016 [2C]	CT,NH,NY,ME,NC
Aroclor-1221	CT,NH,NY,ME,NC
Aroclor-1221 [2C]	CT,NH,NY,ME,NC
Aroclor-1232	CT,NH,NY,ME,NC
Aroclor-1232 [2C]	CT,NH,NY,ME,NC
Aroclor-1242	CT,NH,NY,ME,NC
Aroclor-1242 [2C]	CT,NH,NY,ME,NC
Aroclor-1248	CT,NH,NY,ME,NC
Aroclor-1248 [2C]	CT,NH,NY,ME,NC
Aroclor-1254	CT,NH,NY,ME,NC
Aroclor-1254 [2C]	CT,NH,NY,ME,NC
Aroclor-1260	CT,NH,NY,ME,NC
Aroclor-1260 [2C]	CT,NH,NY,ME,NC

 $The \ CON-TEST \ Environmental \ Laboratory \ operates \ under \ the \ following \ certifications \ and \ accreditations:$

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2013
CT	Connecticut Department of Publile Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2013
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2013
RI	Rhode Island Department of Health	LAO00112	12/30/2012
NC	North Carolina Div. of Water Quality	652	12/31/2012
NJ	New Jersey DEP	MA007 NELAP	06/30/2013
FL	Florida Department of Health	E871027 NELAP	06/30/2013
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2013
WA	State of Washington Department of Ecology	C2065	02/23/2013
ME	State of Maine	2011028	06/9/2013
VA	Commonwealth of Virginia	1381	12/14/2012

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S = soil/solid	may be high in concentration in Matrix/Conc. Code Box:	may be high in on			2000
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GW≒ groundwater				A/O	OG OT Randing Rm -
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or 87				Fax: 413-525-6405	ううない。
	39 Spring Street		プログランド マコクラン は		

IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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

P: 413-525-2332 F: 413-525-6405 www.contestlabs.com





Sample Receipt Checklist

lo CoC Included
1
I/A
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September 21, 2012

Mr. Sal Morabito
Fairfield Public Schools
501 Kings Highway East
Fairfield, CT 06824

RE: Osborn Hill Elementary School - PCB Soil Sampling

Dear Mr. Morabito:

INTRODUCTION

On August, 21 2012, AMC Environmental collected a total of eight (8) exterior soil samples from two (2) different playground areas around Osborn Hill Elementary School in Fairfield, CT. The soil sampling was done after the discovery of elevated levels of PCB in the exterior caulk on the window unit of the school (see report dated April 25, 2012).

SOIL SAMPLING

The first three samples were obtained from the North elevation playground which is approximately 15-20 feet from the buildings foundation. The remaining five samples were collected from the southern end of the site. Both playground areas contain mulch as a covering that is said to be replenished on a yearly basis.

Various tools were used to loosen the soil and the tools were washed with soap and water then decontaminated using hexane between each sampling to avoid cross contamination. Disposable plastic scoops were used to collect the samples. The scoops were disposed of after each sample collection to avoid cross contamination. Each sample was composited from three (3) subsamples at the grid levels.

SAMPLE ANALYSIS

All samples collected were transmitted to Con-Test Analytical Laboratory of East Longmeadow, MA. The analytical method for analysis included Soxhlet extraction method SM2540G and analysis method SW846 8082.

AMC Environmental, LLC

Phone: 203.378.5020 Fax: 203.375.7344 Email: amc@amcenviro.com

> P.O Box 423 Stratford, CT

The sample numbers, locations, material descriptions, and analytical results are summarized in the table below.

1 PPM (parts per million) = 1 mg/Kg

Sample Number	Location	Results mg/Kg
	August 21, 2012	
PCB-Soil-01	Playground – Façade D	ND
PCB-Soil-02	Playground – Façade D	ND
PCB-Soil-03	Playground – Façade D	ND
PCB-Soil-04	Playground - Façade C	ND
PCB-Soil-05	Playground Façade C	ND
PCB-Soil-06	Playground – Façade C	ND
PCB-Soil-07	Playground – Façade C	ND
PCB-Soil-08	Playground – Façade C	ND

INTERPRETATION OF RESULTS

Eight (8) samples were obtained from the two playgrounds, on facades C and D. None of the eight samples documented detectable limits of PCB's in the soil. Therefore the playground soil levels are considered to be acceptable. It should be noted that the playgrounds receive a fresh layer of mulch at the start of each school year. Further testing of representative areas around the school will be required during and following the window replacement project.

Very truly yours,

Richard Onofrio

Environmental Consultant

Hickord Omefine

RO:so

Enclosure



August 27, 2012

Sandy Owen AMC Environmental, LLC PO Box 423 Stratford, CT 06615

Project Location: Osborn Hill School

Client Job Number: Project Number: [none]

Laboratory Work Order Number: 12H0694

Lua Wasslengton

Enclosed are results of analyses for samples received by the laboratory on August 21, 2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa A. Worthington Project Manager



AMC Environmental, LLC PO Box 423 Stratford, CT 06615

ATTN: Sandy Owen

PURCHASE ORDER NUMBER:

REPORT DATE: 8/27/2012

PROJECT NUMBER:

[none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER:

12H0694

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 School

FIELD SAMPLE #	LAB ID: MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB	
8-21 Soil 01	12H0694-01 Soil	Playground "D" Facade	SM 2540G		
			SW-846 8082A		
8-21 Soil 02	12H0694-02 Soil	Playground "D" Facade	SM 2540G		
			SW-846 8082A		
8-21 Soil 03	12H0694-03 Soil	Playground "D" Facade	SM 2540G		
			SW-846 8082A		
8-21 Soil 04	12H0694-04 Soil	Playground "C" Facade	SW-846 8082A		
8-21 Soil 05	12H0694-05 Soil	Playground "C" Facade	SM 2540G		
			SW-846 8082A		
8-21 Soil 06	12H0694-06 Soil	Playground "C" Facade	SM 2540G		
			SW-846 8082A		
8-21 Soil 07	12H0694-07 Soil	Playground "C" Facade	SM 2540G		
			SW-846 8082A		
8-21 Soil 08	12H0694-08 Soil	Playground "C" Facade	SM 2540G		
			SW-846 8082A		
8-21 Soil 08	12H0694-08 Soil	Playground "C" Facade	SM 2540G		



CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report	All reported results are	within defined laborat	ory quality contro	l objectives unless listed	d below or otherwise	qualified in this report
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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.

Michael A. Erickson
Laboratory Director



Project Location: Osborn Hill School

89.1

Sample Description: Playground "D" Facade

Work Order: 12H0694

8/24/12 13:27

Date Received: 8/21/2012 Field Sample #: 8-21 Soil 01

Sampled: 8/21/2012 00:00

Sample ID: 12H0694-01 Sample Matrix: Soil

Tetrachloro-m-xylene [2]

Polychlorinated Biphenyls with 3540 Soxhlet Extraction									
Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.30	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 13:27	JMB
Aroclor-1221 [1]	ND	0.30	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 13:27	JMB
Aroclor-1232 [1]	ND	0.30	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 13:27	JMB
Aroclor-1242 [1]	ND	0.30	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 13:27	JMB
Aroclor-1248 [1]	ND	0.30	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 13:27	JMB
Aroclor-1254 [1]	ND	0.30	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 13:27	JMB
Aroclor-1260 [1]	ND	0.30	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 13:27	JMB
Aroclor-1262 [1]	ND	0.30	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 13:27	JMB
Aroclor-1268 [1]	ND	0.30	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 13:27	JMB
Surrogates		% Recovery	Recovery Limits	1	Flag				
Decachlorobiphenyl [1]		66.7	30-150					8/24/12 13:27	
Decachlorobiphenyl [2]		71.7	30-150					8/24/12 13:27	
Tetrachloro-m-xylene [1]		86.8	30-150					8/24/12 13:27	

30-150



Playground "D" Facade

Project Location: Osborn Hill School

Sample Description:

Work Order: 12H0694

Date Received: 8/21/2012
Field Sample #: 8-21 Soil 01

Sampled: 8/21/2012 00:00

Sample ID: 12H0694-01 Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

								Date	Date/Time	
	Analyte	Results	RL	Units	Dilution	Flag	Method	Prepared	Analyzed	Analyst
% Solids		32.3		% Wt	1		SM 2540G	8/24/12	8/24/12 15:46	CMF



Project Location: Osborn Hill School

Sample Description:

87.2

Playground "D" Facade

Work Order: 12H0694

8/24/12 13:40

Date Received: 8/21/2012
Field Sample #: 8-21 Soil 02

Sampled: 8/21/2012 00:00

Sample ID: 12H0694-02 Sample Matrix: Soil

Tetrachloro-m-xylene [2]

		Polychlori	nated Biphenyls wit	h 3540 Soxhlo	et Extraction				
Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.32	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 13:40	JMB
Aroclor-1221 [1]	ND	0.32	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 13:40	JMB
Aroclor-1232 [1]	ND	0.32	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 13:40	JMB
Aroclor-1242 [1]	ND	0.32	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 13:40	JMB
Aroclor-1248 [1]	NĎ	0.32	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 13:40	JMB
Aroclor-1254 [1]	ND	0.32	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 13:40	JMB
Aroclor-1260 [1]	ND	0.32	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 13:40	JMB
Aroclor-1262 [1]	ND	0.32	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 13:40	JMB
Aroclor-1268 [1]	ND	0.32	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 13:40	JMB
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		48.0	30-150					8/24/12 13:40	
Decachlorobiphenyl [2]		56.8	30-150					8/24/12 13:40	
Tetrachloro-m-xylene [1]		86.1	30-150					8/24/12 13:40	

30-150



Playground "D" Facade

Project Location: Osborn Hill School

Sample Description:

Date Received: 8/21/2012 Field Sample #: 8-21 Soil 02

Sampled: 8/21/2012 00:00

Sample ID: 12H0694-02 Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

								Date	Date/Time	
	Analyte	Results	RL	Units	Dilution	Flag	Method	Prepared	Analyzed	Analyst
% Solids		30.6		% Wt	1		SM 2540G	8/24/12	8/24/12 15:46	CMF

Work Order: 12H0694



Project Location: Osborn Hill School

Sample Description:

Playground "D" Facade

Work Order: 12H0694

Date Received: 8/21/2012 Field Sample #: 8-21 Soil 03

Sampled: 8/21/2012 00:00

Sample ID: 12H0694-03 Sample Matrix: Soil

		Polychloria	nated Biphenyls wi	th 3540 Soxhlo	et Extraction				
Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 13:53	JMB
Aroclor-1221 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 13:53	JMB
Aroclor-1232 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 13:53	JMB
Aroclor-1242 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 13:53	JMB
Aroclor-1248 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 13:53	JMB
Aroclor-1254 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 13:53	JMB
Aroclor-1260 [1]	ND	0,24	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 13:53	JMB
Aroclor-1262 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 13:53	JMB
Aroclor-1268 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 13:53	JMB
Surrogates		% Recovery	Recovery Limit	s	Flag				
Decachlorobiphenyl [1]		53.5	30-150					8/24/12 13:53	
Decachlorobiphenyl [2]		60.0	30-150					8/24/12 13:53	
Tetrachloro-m-xylene [1]		82.2	30-150					8/24/12 13:53	
Tetrachloro-m-xylene [2]		79.9	30-150					8/24/12 13:53	



Project Location: Osborn Hill School

Sample Description: Playground "D" Facade Work Order: 12H0694

Date Received: 8/21/2012 Field Sample #: 8-21 Soil 03

Sampled: 8/21/2012 00:00

Sample ID: 12H0694-03 Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

								Date	Date/Time	
	Analyte	Results	RL	Units	Dilution	Flag	Method	Prepared	Analyzed	Analyst
% Solids		41.6		% Wt	1		SM 2540G	8/24/12	8/24/12 15:46	CMF



Project Location: Osborn Hill School

Sample Description: Playground "C" Facade

Work Order: 12H0694

Date Received: 8/21/2012 Field Sample #: 8-21 Soil 04

Sampled: 8/21/2012 00:00

Sample ID: 12H0694-04 Sample Matrix: Soil

		Polychlorii	nated Biphenyls wit	h 3540 Soxhle	et Extraction				
Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg wet	5		SW-846 8082A	8/21/12	8/24/12 14:06	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg wet	5		SW-846 8082A	8/21/12	8/24/12 14:06	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg wet	5		SW-846 8082A	8/21/12	8/24/12 14:06	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg wet	5		SW-846 8082A	8/21/12	8/24/12 14:06	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg wet	5		SW-846 8082A	8/21/12	8/24/12 14:06	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg wet	5		SW-846 8082A	8/21/12	8/24/12 14:06	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg wet	5		SW-846 8082A	8/21/12	8/24/12 14:06	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg wet	5		SW-846 8082A	8/21/12	8/24/12 14:06	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg wet	5		SW-846 8082A	8/21/12	8/24/12 14:06	JMB
Surrogates		% Recovery	Recovery Limits	i	Flag				
Decachlorobiphenyl [1]		94.1	30-150					8/24/12 14:06	
Decachlorobiphenyl [2]		99.8	30-150					8/24/12 14:06	
Tetrachloro-m-xylene [1]		113	30-150					8/24/12 14:06	
Tetrachloro-m-xylene [2]		114	30-150					8/24/12 14:06	



Project Location: Osborn Hill School

Sample Description:

Playground "C" Facade

Work Order: 12H0694

Date Received: 8/21/2012
Field Sample #: 8-21 Soil 05

Sampled: 8/21/2012 00:00

Sample ID: 12H0694-05 Sample Matrix: Soil

Polychlorinated	Binbenyls with 35	40 Soxhlet Extraction
1 ory chilor mateu	Diplicity is with 50	40 BOARICE EAG ACTION

Lindon	Results	RL	Units	Dilution	Tri	Method	Date	Date/Time	
Analyte	Results	KL	Units	Dilution	Flag	Method	Prepared	Analyzed	Analyst
Aroclor-1016 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 14:19	JMB
Aroclor-1221 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 14:19	JMB
Aroclor-1232 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 14:19	JMB
Aroclor-1242 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 14:19	JMB
Aroclor-1248 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 14:19	JMB
Aroclor-1254 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 14:19	JMB
Aroclor-1260 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 14:19	JMB
Aroclor-1262 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 14:19	JMB
Aroclor-1268 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 14:19	JMB
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		69.6	30-150					8/24/12 14:19	
Decachlorobiphenyl [2]		75.1	30-150					8/24/12 14:19	
Tetrachloro-m-xylene [1]		90.2	30-150					8/24/12 14:19	
Tetrachloro-m-xylene [2]		90.8	30-150					8/24/12 14:19	



Project Location: Osborn Hill School

Sample Description:

Playground "C" Facade

Work Order: 12H0694

Date Received: 8/21/2012 Field Sample #: 8-21 Soil 05

Sampled: 8/21/2012 00:00

Sample ID: 12H0694-05 Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

								Date	Date/Time	
	Analyte	Results	RL	Units	Dilution	Flag	Method	Prepared	Analyzed	Analyst
% Solids		53.3		% Wt	1		SM 2540G	8/24/12	8/24/12 15:46	CMF



Analyte

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Osborn Hill School

Sample Description:

Results

ND

ND

ND

ND

ND

ND

ND

ND

ND

0.33

Playground "C" Facade

Work Order: 12H0694

Date Received: 8/21/2012 Field Sample #: 8-21 Soil 06

Sampled: 8/21/2012 00:00

Sample ID: 12H0694-06
Sample Matrix: Soil

Aroclor-1016 [1]

Aroclor-1221 [1]

Aroclor-1232 [1]

Aroclor-1242 [1]

Aroclor-1248 [1]

Aroclor-1254 [1]

Aroclor-1260 [1]

Aroclor-1262 [1]

Aroclor-1268 [1]

Polychlorinated Biphenyls with 3540 Soxhlet Extraction								
					Date	Date/Time		
RL	Units	Dilution	Flag	Method	Prepared	Analyzed	Analyst	
0.33	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 14:32	JMB	
0.33	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 14:32	JMB	
0.33	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 14:32	JMB	
0.33	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 14:32	JMB	
0.33	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 14:32	JMB	
0.33	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 14:32	JMB	
0.33	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 14:32	JMB	
0.33	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 14:32	JMB	

SW-846 8082A

8/21/12

8/24/12 14:32

JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	52.9	30-150		8/24/12 14:32
Decachlorobiphenyl [2]	57.8	30-150		8/24/12 14:32
Tetrachloro-m-xylene [1]	73.4	30-150		8/24/12 14:32
Tetrachloro-m-xylene [2]	75.0	30-150		8/24/12 14:32

mg/Kg dry



Project Location: Osborn Hill School

Sample Description:

Playground "C" Facade

Work Order: 12H0694

Date Received: 8/21/2012 Field Sample #: 8-21 Soil 06

Sampled: 8/21/2012 00:00

Sample ID: 12H0694-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

								Date	Date/Time	
	Analyte	Results	RL	Units	Dilution	Flag	Method	Prepared	Analyzed	Analyst
% Solids		30.0		% Wt	1	8	SM 2540G	8/24/12	8/24/12 15:46	CMF



Project Location: Osborn Hill School

Sample Description:

Playground "C" Facade

Work Order: 12H0694

Date Received: 8/21/2012 Field Sample #: 8-21 Soil 07

Sampled: 8/21/2012 00:00

Sample ID: 12H0694-07
Sample Matrix: Soil

		Polychlori	nated Biphenyls wit	h 3540 Soxhle	et Extraction				
Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analysi
Aroclor-1016 [1]	ND	0.30	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 14:45	JMB
Aroclor-1221 [1]	ND	0.30	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 14:45	JMB
Aroclor-1232 [1]	ND	0.30	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 14:45	JMB
Aroclor-1242 [1]	ND	0.30	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 14:45	JMB
Aroclor-1248 [1]	ND	0.30	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 14:45	JMB
Aroclor-1254 [1]	ND	0.30	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 14:45	JMB
Aroclor-1260 [1]	ND	0.30	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 14:45	JMB
Aroclor-1262 [1]	ND	0.30	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 14:45	JMB
Aroclor-1268 [1]	ND	0.30	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 14:45	JMB
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		40.7	30-150					8/24/12 14:45	
Decachlorobiphenyl [2]		46.8	30-150					8/24/12 14:45	
Tetrachloro-m-xylene [1]		69.6	30-150					8/24/12 14:45	
Tetrachloro-m-xylene [2]		71.6	30-150					8/24/12 14:45	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332 Playground "C" Facade

Project Location: Osborn Hill School

Sample Description:

Work Order: 12H0694

Date Received: 8/21/2012 Field Sample #: 8-21 Soil 07

Sampled: 8/21/2012 00:00

Sample ID: 12H0694-07 Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

								Date	Date/Time	
	Analyte	Results	RL	Units	Dilution	Flag	Method	Prepared	Analyzed	Analyst
% Solids		32,7		% Wt	1		SM 2540G	8/24/12	8/24/12 15:46	CMF



Analyte

Surrogates

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Osborn Hill School

Sample Description:

85.6

85.7

Playground "C" Facade

30-150

30-150

Work Order: 12H0694

8/24/12 14:58

8/24/12 14:58

Date Received: 8/21/2012 Field Sample #: 8-21 Soil 08

Sampled: 8/21/2012 00:00

Sample ID: 12H0694-08 Sample Matrix: Soil

Aroclor-1016 [1]
Aroclor-1221 [1]
Aroclor-1232 [1]
Aroclor-1242 [1]
Aroclor-1248 [1]
Aroclor-1254 [1]
Aroclor-1260 [1]
Aroclor-1262 [1]
Aroclor-1268 [1]

Decachlorobiphenyl [1] Decachlorobiphenyl [2]

Tetrachloro-m-xylene [1]

Tetrachloro-m-xylene [2]

							D	
Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
ND	0.26	mg/Kg dry	5	, ing	SW-846 8082A	8/21/12	8/24/12 14:58	JMB
ND	0.26	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 14:58	JMB
ND	0.26	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 14:58	JMB
ND	0.26	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 14:58	JMB
ND	0.26	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 14:58	JMB
ND	0.26	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 14:58	JMB
ND	0.26	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 14:58	JMB
ND	0.26	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 14:58	JMB
ND	0.26	mg/Kg dry	5		SW-846 8082A	8/21/12	8/24/12 14:58	JMB
	% Recovery	Recovery Limits		Flag				
	51.2	30-150					8/24/12 14:58	
	57.5	30-150					8/24/12 14:58	



Project Location: Osborn Hill School

Sample Description: Playground "C" Facade

Work Order: 12H0694

Date Received: 8/21/2012 Field Sample #: 8-21 Soil 08

Sampled: 8/21/2012 00:00

Sample ID: 12H0694-08 Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

								Date	Date/Time	
	Analyte	Results	RL	Units	Dilution	Flag	Method	Prepared	Analyzed	Analyst
% Solids		39.1		% Wt	1		SM 2540G	8/24/12	8/24/12 15:46	CMF



Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
12H0694-01 [8-21 Soil 01]	B057594	08/24/12
12H0694-02 [8-21 Soil 02]	B057594	08/24/12
12H0694-03 [8-21 Soil 03]	B057594	08/24/12
12H0694-05 [8-21 Soil 05]	B057594	08/24/12
12H0694-06 [8-21 Soil 06]	B057594	08/24/12
12H0694-07 [8-21 Soil 07]	B057594	08/24/12
12H0694-08 [8-21 Soil 08]	B057594	08/24/12

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date	
12H0694-01 [8-21 Soil 01]	B057409	10.2	10.0	08/21/12	
12H0694-02 [8-21 Soil 02]	B057409	10.1	10.0	08/21/12	
12H0694-03 [8-21 Soil 03]	B057409	10.2	10.0	08/21/12	
12H0694-04 [8-21 Soil 04]	B057409	8.80	10.0	08/21/12	
12H0694-05 [8-21 Soil 05]	B057409	10.0	10.0	08/21/12	
12H0694-06 [8-21 Soil 06]	B057409	10.0	10.0	08/21/12	
12H0694-07 [8-21 Soil 07]	B057409	10.3	10.0	08/21/12	
12H0694-08 [8-21 Soil 08]	B057409	10.0	10.0	08/21/12	



QUALITY CONTROL

Second 10	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Marcian-1016 Min M	Batch B057409 - SW-846 3540C										
Nacional [2C] ND 0 0.10 ang/Kg west Nordice 12D	Blank (B057409-BLK1)				Prepared: 08	/21/12 Analy	yzed: 08/24/1	2			
Name of 1221 10 10 10 10 10 10 10	Aroclor-1016	ND	0.10	mg/Kg wet							
Non-lor-1232 [2C] ND 0.10 mg/Kg wet 1	Aroclor-1016 [2C]	ND	0.10	mg/Kg wet							
Nocior 1232 (No. 1) ND	Aroclor-1221	ND	0.10	mg/Kg wet							
No.	Aroclor-1221 [2C]	ND	0.10	mg/Kg wet							
Neclor-1242	Aroclor-1232	ND	0.10	mg/Kg wet							
Nacion-1242 [2C] ND 0.10 mg/Kg wet 1	Aroclor-1232 [2C]	ND	0.10	mg/Kg wet							
Noclor-1248 ND	Aroclor-1242	ND	0.10	mg/Kg wet							
Nacion-1248 [2C] ND 0.10 mg/Kg wet varieties [254] ND 0.10 mg/Kg wet varieties [254] ND 0.10 mg/Kg wet varieties [254] ND 0.10 mg/Kg wet varieties [256] ND 0.10 mg/Kg wet varie	Aroclor-1242 [2C]	ND	0.10	mg/Kg wet							
No.	Aroclor-1248	ND	0.10								
None	Aroclor-1248 [2C]	ND		mg/Kg wet							
Accolor-1260 ND 0.10 mg/Kg wet 0.200 mg/Kg w	Aroclor-1254	ND									
No.	Aroclor-1254 [2C]	ND	0.10	mg/Kg wet							
No No No No No No No No	Aroclor-1260	ND	0.10	mg/Kg wet							
No	Aroclor-1260 [2C]	ND	0.10	mg/Kg wet							
No	Aroclor-1262	ND	0.10	mg/Kg wet							
No No No No No No No No No No No No No	Aroclor-1262 [2C]	ND	0.10	mg/Kg wet							
Surrogate: Decachlorobiphenyl 0.227 mg/Kg wet 0.200 114 30-150	Aroclor-1268	ND	0.10	mg/Kg wet							
Surrogate: Decachlorobiphenyl [2C] 0.183 mg/Kg wet 0.200 91.7 30-150	Aroclor-1268 [2C]	ND	0.10	mg/Kg wet							
Surrogate: Tetrachloro-m-xylene 0.174 mg/kg wet 0.200 87.2 30-150 mg/kg wet 0.200 91.2 30-150 mg/kg wet 0.200 102 40-140 Moreolor-1016 [2C] 0.20 0.10 mg/kg wet 0.200 99.2 40-140 Moreolor-1260 [2C] 0.23 0.10 mg/kg wet 0.200 110 40-140 Moreolor-1260 [2C] 0.23 0.10 mg/kg wet 0.200 116 40-140 Moreolor-1260 [2C] 0.23 0.10 mg/kg wet 0.200 116 40-140 Moreolor-1260 [2C] 0.289 mg/kg wet 0.200 116 30-150 Mg/kg wet 0.200 116 30-150 Mg/kg wet 0.200 Mg/kg w	Surrogate: Decachlorobiphenyl	0.227		mg/Kg wet	0.200						
Surrogate: Tetrachloro-m-xylene [2C] 0.182 mg/Kg wet 0.200 91.2 30-150	Surrogate: Decachlorobiphenyl [2C]										
Prepared: 08/21/12 Analyzed: 08/24/12 Analyzed: 08/24/12 Araclor-1016 Araclor-1016 0.20 0.10 mg/Kg wet 0.200 102 40-140 Araclor-1016 [2C] 0.20 0.10 mg/Kg wet 0.200 99.2 40-140 Araclor-1260 0.22 0.10 mg/Kg wet 0.200 110 40-140 Araclor-1260 [2C] 0.23 0.10 mg/Kg wet 0.200 116 40-140 Araclor-1260 [2C] 0.23 0.10 mg/Kg wet 0.200 116 30-150 Araclor-1260 [2C] 0.189 mg/Kg wet 0.200 99.3 30-150 Araclor-1260 [2C] 0.189 mg/Kg wet 0.200 87.2 30-150 Araclor-1260 [2C] 0.182 mg/Kg wet 0.200 87.2 30-150 Araclor-1016 Araclor-1016 0.18 0.10 mg/Kg wet 0.200 90.8 30-150 Araclor-1016 [2C] 0.17 0.10 mg/Kg wet 0.200 88.8 40-140 14.2 30 Araclor-1016 [2C] 0.17 0.10 mg/Kg wet 0.200 85.7 40-140 14.6 30 Araclor-1260 0.19 0.10 mg/Kg wet 0.200 95.4 40-140 14.4 30 Araclor-1260 [2C] 0.20 0.10 mg/Kg wet 0.200 95.4 40-140 14.4 30 Araclor-1260 [2C] 0.20 0.10 mg/Kg wet 0.200 81.8 30-150 Araclor-1260 [2C] 0.20 0.10 mg/Kg wet 0.200 81.8 30-150 Araclor-1260 [2C] 0.20 0.164 mg/Kg wet 0.200 81.8 30-150 Araclor-1260 0.147 mg/Kg wet 0.200 0.10 0.10 0.150 Araclor-1260 0.147 mg/Kg wet 0.200 0.10 0.10 0.150 Araclor-1260 0.147 mg/Kg wet 0.200 0.10 0.10 0.150 Araclor-1260 0.147 0.164 0.147 0.164 0.147 0.164 0.147 0.164 0.147 0.164 0.147 0.164 0.147 0.164 0.147 0.164 0.147 0.164 0.147 0.164 0.147 0.164 0.147 0.164 0.147 0	Surrogate: Tetrachloro-m-xylene										
Arcolor-1016 Arcolor-1016 0.20 0.10 mg/Kg wet 0.200 102 40-140 Arcolor-1016 2C] 0.20 0.10 mg/Kg wet 0.200 99.2 40-140 Arcolor-1260 0.22 0.10 mg/Kg wet 0.200 110 40-140 Arcolor-1260 2C] 0.23 0.10 mg/Kg wet 0.200 116 40-140 Arcolor-1260 2C] 0.23 0.10 mg/Kg wet 0.200 116 30-150 Surrogate: Decachlorobiphenyl 2C] 0.189 mg/Kg wet 0.200 94.3 30-150 Surrogate: Tetrachloro-m-xylene 0.174 mg/Kg wet 0.200 99.8 30-150 Surrogate: Tetrachloro-m-xylene 2C] 0.182 mg/Kg wet 0.200 99.8 30-150 Arcolor-1016 0.18 0.10 mg/Kg wet 0.200 88.8 40-140 14.2 30 Arcolor-1016 2C] 0.17 0.10 mg/Kg wet 0.200 85.7 40-140 14.6 30 Arcolor-1260 2C] 0.20 0.10 mg/Kg wet 0.200 95.4 40-140 14.4 30 Arcolor-1260 2C] 0.20 0.10 mg/Kg wet 0.200 101 30-150 Surrogate: Decachlorobiphenyl 0.202 mg/Kg wet 0.200 81.8 30-150 Surrogate: Tetrachloro-m-xylene 0.147 mg/Kg wet 0.200 81.8 30-150	Surrogate: Tetrachloro-m-xylene [2C]	0.182		mg/Kg wet	0.200		91.2	30-150			
Aroclor-1016 [2C] 0.20 0.10 mg/kg wet 0.200 99.2 40-140 Aroclor-1260 0.22 0.10 mg/kg wet 0.200 110 40-140 Aroclor-1260 [2C] 0.23 0.10 mg/kg wet 0.200 116 40-140 Aroclor-1260 [2C] 0.23 0.10 mg/kg wet 0.200 116 30-150 Surrogate: Decachlorobiphenyl [2C] 0.189 mg/kg wet 0.200 94.3 30-150 Surrogate: Tetrachloro-m-xylene 0.174 mg/kg wet 0.200 87.2 30-150 Surrogate: Tetrachloro-m-xylene [2C] 0.182 mg/kg wet 0.200 90.8 30-150 Aroclor-1016 Aroclor-1016 [2C] 0.182 mg/kg wet 0.200 88.8 40-140 14.2 30 Aroclor-1016 [2C] 0.17 0.10 mg/kg wet 0.200 88.8 40-140 14.6 30 Aroclor-1016 [2C] 0.19 0.10 mg/kg wet 0.200 95.4 40-140 14.6 30 Aroclor-1260 [2C] 0.20 0.10 mg/kg wet 0.200 95.4 40-140 14.4 30 Aroclor-1260 [2C] 0.20 0.10 mg/kg wet 0.200 81.8 30-150 Aroclor-1260 [2C] 0.20 0.10 mg/kg wet 0.200 81.8 30-150 Aroclor-1260 [2C] 0.20 0.10 mg/kg wet 0.200 81.8 30-150 Aroclor-1260 [2C] 0.20 0.10 mg/kg wet 0.200 81.8 30-150 Aroclor-1260 [2C] 0.20 0.10 mg/kg wet 0.200 81.8 30-150 Aroclor-1260 [2C] 0.20 0.10 mg/kg wet 0.200 81.8 30-150 Aroclor-1260 [2C] 0.164 mg/kg wet 0.200 81.8 30-150 Aroclor-1260 [2C] 0.164 mg/kg wet 0.200 81.8 30-150 Aroclor-1260 mg/kg wet 0.200 81.8 30-150 Aroclor-1260 mg/kg wet 0.200 81.8 30-150	LCS (B057409-BS1)				Prepared: 08	/21/12 Anal	yzed: 08/24/1	2			
Aroclor-1260 0.22 0.10 mg/Kg wet 0.200 110 40-140 Aroclor-1260 [2C] 0.23 0.10 mg/Kg wet 0.200 116 40-140 Surrogate: Decachlorobiphenyl 0.232 mg/Kg wet 0.200 116 30-150 Surrogate: Decachlorobiphenyl [2C] 0.189 mg/Kg wet 0.200 94.3 30-150 Surrogate: Tetrachloro-m-xylene 0.174 mg/Kg wet 0.200 87.2 30-150 Surrogate: Tetrachloro-m-xylene [2C] 0.182 mg/Kg wet 0.200 90.8 30-150 CCS Dup (B057409-BSD1) Prepared: 08/21/12 Analyzed: 08/24/12 Aroclor-1016 0.18 0.10 mg/Kg wet 0.200 88.8 40-140 14.2 30 Aroclor-1016 [2C] 0.17 0.10 mg/Kg wet 0.200 85.7 40-140 14.6 30 Aroclor-1260 0.19 0.10 mg/Kg wet 0.200 95.4 40-140 14.4 30 Aroclor-1260 [2C] 0.20 0.10 mg/Kg wet 0.200 101 30-150 Surrogate: Decachlorobiphenyl 0.202 mg/Kg wet 0.200 81.8 30-150 Surrogate: Decachlorobiphenyl [2C] 0.164 mg/Kg wet 0.200 81.8 30-150 Surrogate: Tetrachloro-m-xylene 0.147 mg/Kg wet 0.200 73.7 30-150	Aroclor-1016	0.20	0.10	mg/Kg wet	0.200		102	40-140			
Aroclor-1260 [2C] 0.23 0.10 mg/Kg wet 0.200 116 40-140 Surrogate: Decachlorobiphenyl 0.232 mg/Kg wet 0.200 116 30-150 Surrogate: Decachlorobiphenyl [2C] 0.189 mg/Kg wet 0.200 94.3 30-150 Surrogate: Tetrachloro-m-xylene 0.174 mg/Kg wet 0.200 87.2 30-150 Surrogate: Tetrachloro-m-xylene [2C] 0.182 mg/Kg wet 0.200 90.8 30-150 CCS Dup (B057409-BSD1) Prepared: 08/21/12 Analyzed: 08/24/12 Aroclor-1016 Aroclor-1016 [2C] 0.18 0.10 mg/Kg wet 0.200 88.8 40-140 14.2 30 Aroclor-1016 [2C] 0.17 0.10 mg/Kg wet 0.200 85.7 40-140 14.6 30 Aroclor-1260 0.19 0.10 mg/Kg wet 0.200 95.4 40-140 14.4 30 Aroclor-1260 [2C] 0.20 0.10 mg/Kg wet 0.200 102 40-140 13.1 30 Surrogate: Decachlorobiphenyl [2C] 0.164 mg/Kg wet 0.200 81.8 30-150 Surrogate: Decachlorobiphenyl [2C] 0.164 mg/Kg wet 0.200 81.8 30-150 Surrogate: Tetrachloro-m-xylene 0.147 mg/Kg wet 0.200 73.7 30-150	Aroclor-1016 [2C]	0.20	0.10	mg/Kg wet	0.200		99.2	40-140			
Decachlorobiphenyl 0.232 mg/Kg wet 0.200 116 30-150	Aroclor-1260	0.22	0.10	mg/Kg wet	0.200		110	40-140			
Surrogate: Decachlorobiphenyl [2C] 0.189 mg/Kg wet 0.200 94.3 30-150 Surrogate: Tetrachloro-m-xylene 0.174 mg/Kg wet 0.200 87.2 30-150 Surrogate: Tetrachloro-m-xylene [2C] 0.182 mg/Kg wet 0.200 90.8 30-150 Surrogate: Tetrachloro-m-xylene [2C] 0.182 mg/Kg wet 0.200 90.8 30-150 Surrogate: Tetrachloro-m-xylene [2C] 0.188 0.10 mg/Kg wet 0.200 88.8 40-140 14.2 30 Aroclor-1016 [2C] 0.17 0.10 mg/Kg wet 0.200 88.7 40-140 14.6 30 Aroclor-1260 [2C] 0.19 0.10 mg/Kg wet 0.200 95.4 40-140 14.4 30 Aroclor-1260 [2C] 0.20 0.10 mg/Kg wet 0.200 102 40-140 13.1 30 Surrogate: Decachlorobiphenyl 0.202 mg/Kg wet 0.200 101 30-150 Surrogate: Decachlorobiphenyl [2C] 0.164 mg/Kg wet 0.200 81.8 30-150 Surrogate: Tetrachloro-m-xylene 0.147 mg/Kg wet 0.200 73.7 30-150	Aroclor-1260 [2C]	0.23	0.10	mg/Kg wet	0.200		116	40-140			
Surrogate: Tetrachloro-m-xylene 0.174 mg/Kg wet 0.200 87.2 30-150 Surrogate: Tetrachloro-m-xylene [2C] 0.182 mg/Kg wet 0.200 90.8 30-150 CCS Dup (B057409-BSD1) Prepared: 08/21/12 Analyzed: 08/24/12 Aroclor-1016 0.18 0.10 mg/Kg wet 0.200 88.8 40-140 14.2 30 Aroclor-1016 [2C] 0.17 0.10 mg/Kg wet 0.200 85.7 40-140 14.6 30 Aroclor-1260 0.19 0.10 mg/Kg wet 0.200 95.4 40-140 14.4 30 Aroclor-1260 [2C] 0.20 0.10 mg/Kg wet 0.200 102 40-140 13.1 30 Surrogate: Decachlorobiphenyl 0.202 mg/Kg wet 0.200 101 30-150 Surrogate: Decachlorobiphenyl [2C] 0.164 mg/Kg wet 0.200 81.8 30-150 Surrogate: Tetrachloro-m-xylene 0.147 mg/Kg wet 0.200 73.7 30-150	Surrogate: Decachlorobiphenyl	0.232		mg/Kg wet	0.200		116	30-150			
Description	Surrogate: Decachlorobiphenyl [2C]	0.189		mg/Kg wet	0.200		94.3	30-150			
Prepared: 08/21/12 Analyzed: 08/24/12 Analyzed: 08/24/12 Arcolor-1016 0.18 0.10 mg/Kg wet 0.200 88.8 40-140 14.2 30 Arcolor-1016 [2C] 0.17 0.10 mg/Kg wet 0.200 85.7 40-140 14.6 30 Arcolor-1260 0.19 0.10 mg/Kg wet 0.200 95.4 40-140 14.4 30 Arcolor-1260 [2C] 0.20 0.10 mg/Kg wet 0.200 102 40-140 13.1 30 Arcolor-1260 [2C] 0.20 mg/Kg wet 0.200 101 30-150 Surrogate: Decachlorobiphenyl [2C] 0.164 mg/Kg wet 0.200 81.8 30-150 Surrogate: Tetrachloro-m-xylene 0.147 mg/Kg wet 0.200 73.7 30-150 Arcolor-1260 [2C] 0.164 mg/Kg wet 0.200 0.104 0.144 0.144 0.144 0.144 Arcolor-1260 [2C] 0.164	Surrogate: Tetrachloro-m-xylene	0.174		mg/Kg wet	0.200		87.2	30-150			
Aroclor-1016 0.18 0.10 mg/Kg wet 0.200 88.8 40-140 14.2 30 Aroclor-1016 [2C] 0.17 0.10 mg/Kg wet 0.200 85.7 40-140 14.6 30 Aroclor-1260 0.19 0.10 mg/Kg wet 0.200 95.4 40-140 14.4 30 Aroclor-1260 [2C] 0.20 0.10 mg/Kg wet 0.200 102 40-140 13.1 30 Surrogate: Decachlorobiphenyl 0.202 mg/Kg wet 0.200 101 30-150 Surrogate: Decachlorobiphenyl [2C] 0.164 mg/Kg wet 0.200 81.8 30-150 Surrogate: Tetrachloro-m-xylene 0.147 mg/Kg wet 0.200 73.7 30-150	Surrogate: Tetrachloro-m-xylene [2C]	0.182		mg/Kg wet	0.200		90.8	30-150			
Aroclor-1016 [2C] 0.17 0.10 mg/Kg wet 0.200 85.7 40-140 14.6 30 Aroclor-1260 0.19 0.10 mg/Kg wet 0.200 95.4 40-140 14.4 30 Aroclor-1260 [2C] 0.20 0.10 mg/Kg wet 0.200 102 40-140 13.1 30 Surrogate: Decachlorobiphenyl 0.202 mg/Kg wet 0.200 101 30-150 Surrogate: Decachlorobiphenyl [2C] 0.164 mg/Kg wet 0.200 81.8 30-150 Surrogate: Tetrachloro-m-xylene 0.147 mg/Kg wet 0.200 73.7 30-150	LCS Dup (B057409-BSD1)				Prepared: 08	/21/12 Anal	yzed: 08/24/1	2			
Aroclor-1260 0.19 0.10 mg/kg wet 0.200 95.4 40-140 14.4 30 Aroclor-1260 [2C] 0.20 0.10 mg/kg wet 0.200 102 40-140 13.1 30 Surrogate: Decachlorobiphenyl 0.202 mg/kg wet 0.200 101 30-150 Surrogate: Decachlorobiphenyl [2C] 0.164 mg/kg wet 0.200 81.8 30-150 Surrogate: Tetrachloro-m-xylene 0.147 mg/kg wet 0.200 73.7 30-150	Aroclor-1016	0.18	0.10	mg/Kg wet	0.200		88.8	40-140	14.2	30	
Aroclor-1260 [2C] 0.20 0.10 mg/kg wet 0.200 102 40-140 13.1 30 Surrogate: Decachlorobiphenyl 0.202 mg/kg wet 0.200 101 30-150 Surrogate: Decachlorobiphenyl [2C] 0.164 mg/kg wet 0.200 81.8 30-150 Surrogate: Tetrachloro-m-xylene 0.147 mg/kg wet 0.200 73.7 30-150	Aroclor-1016 [2C]	0.17	0.10	mg/Kg wet	0.200		85.7	40-140	14.6	30	
Surrogate: Decachlorobiphenyl 0.202 mg/Kg wet 0.200 101 30-150 Surrogate: Decachlorobiphenyl [2C] 0.164 mg/Kg wet 0.200 81.8 30-150 Surrogate: Tetrachloro-m-xylene 0.147 mg/Kg wet 0.200 73.7 30-150	Aroclor-1260	0.19	0.10	mg/Kg wet	0.200		95.4	40-140	14.4	30	
Surrogate: Decachlorobiphenyl [2C] 0.164 mg/Kg wet 0.200 81.8 30-150 Surrogate: Tetrachloro-m-xylene 0.147 mg/Kg wet 0.200 73.7 30-150	Aroclor-1260 [2C]	0.20	0.10	mg/Kg wet	0.200		102	40-140	13,1	30	
Surrogate: Tetrachloro-m-xylene 0.147 mg/Kg wet 0.200 73.7 30-150	Surrogate: Decachlorobiphenyl	0.202		mg/Kg wet	0.200		101	30-150			
	Surrogate: Decachlorobiphenyl [2C]	0.164		mg/Kg wet	0.200		81.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C] 0.154 mg/Kg wet 0.200 77.0 30-150	Surrogate: Tetrachloro-m-xylene	0.147		mg/Kg wet	0.200		73.7	30-150			
	Surrogate: Tetrachloro-m-xylene [2C]	0.154		mg/Kg wet	0.200		77.0	30-150			



FLAG/QUALIFIER SUMMARY

ished	l limits.
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- † 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.



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332 CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications	
SW-846 8082A in Soil		
Aroclor-1016	CT,NH,NY,ME,NC	
Aroclor-1016 [2C]	CT,NH,NY,ME,NC	
Aroclor-1221	CT,NH,NY,ME,NC	
Aroclor-1221 [2C]	CT,NH,NY,ME,NC	
Aroclor-1232	CT,NH,NY,ME,NC	
Aroclor-1232 [2C]	CT,NH,NY,ME,NC	
Aroclor-1242	CT,NH,NY,ME,NC	
Aroclor-1242 [2C]	CT,NH,NY,ME,NC	
Aroclor-1248	CT,NH,NY,ME,NC	
Aroclor-1248 [2C]	CT,NH,NY,ME,NC	
Aroclor-1254	CT,NH,NY,ME,NC	
Aroclor-1254 [2C]	CT,NH,NY,ME,NC	
Aroclor-1260	CT,NH,NY,ME,NC	
Aroclor-1260 [2C]	CT,NH,NY,ME,NC	
mi aasimnama i titi	1 1 6 11 1 26 2 1 1 12 2	

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2013
CT	Connecticut Department of Publile Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2013
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2013
RI	Rhode Island Department of Health	LAO00112	12/30/2012
NC	North Carolina Div. of Water Quality	652	12/31/2012
NJ	New Jersey DEP	MA007 NELAP	06/30/2013
FL	Florida Department of Health	E871027 NELAP	06/30/2013
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2013
WA	State of Washington Department of Ecology	C2065	02/23/2013
ME	State of Maine	2011028	06/9/2013
VA	Commonwealth of Virginia	1381	12/14/2012

1.50 8-21-12-16:40 Require lab approval Other. 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	Date Time: 10 172-Hr DC4-Day	The contraction of the contracti	RUSH * Connecticut O MA	Jane 12 8/21/12	□ 10-Day ○	7-tay Massachusens:	Turnaround " Detection Limit Requirements Is your project MCP or RCP?	H-High; M- Medium; L-Low; C-Clean; U-Chandown	Peace Test to Test in Soil	Please use the following course is at Marky Cons. Order by	Disappear the following sounds to let Can Tool transition consider considerations				~ 08 9-21 Soil 08 W		7.7.7.9	06 8-21 Soil OG			8.21 Soil a4 - Play 6 round	~ 03 8·21 50·11 03 \ \		D' Facade	2 S-2150;101-PlayGround	Con-Test Lab ID Client Sample ID / Description Date/Time Composite Grab Conf. Conf	Collection C "Enhanced Data Package"	OOTHER	DEXCEL OGIS			Fax#	Attention: OFAX OEMAIL OWEBSITE	DATA DELIVERY (check all that apply)	Client PO#	Address: (a 2 7 / Indian De Project# Project#	AMAINSIS BEOLIECTED	Telephone:		Email: info@contestlabs.com Rev 04.05.12	© Phone: 413-525-2332 CHAIN OF COST XECOXD 59 Spruce street
WBE/DBE Certified		NELAC & AIHA-LAP, LLC	quired PWSID#						<u> </u>		4	ww-wastewater	GW= groundwater	*Matrix Code:		0 = Other	T = Nia thine: [fato	Y = No hwiroxide	S = Sulfuric Acid	N = Nitric Acid	M = Methanol	1 = Icen	**Preservation		C =Other	T=tedlar bag	S=summa can	V≃ vial	Stesterile	G=glass	A=amberglass	***Cont Code:		O Lab to Filter	O Field Filtered	Dissolved Meta 2		***Container Cor	** Preservation	# of Containers	\ 01028 Page of

IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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





CLIENT NAME: AMC ENVION . RECEIVED BY: KM

CLIENT NAME: AMC ENVI	m. RECE	EIVED BY: KKM_DAT	E8-21-12
1) Was the chain(s) of custody rel	inquished and signed?	(Yes No No	CoC Included
2) Does the chain agree with the s		Yes No	
3) Are all the samples in good cor If not, explain:	ndition?	Yes No	
4) How were the samples received	d:		_
On Ice Direct from Sar	mpling 🔲 Ambi	ent 🔲 In Cooler(s) 🗖	
Were the samples received in Tem	- -		
Temperature °C by Temp blank _	Temp	perature °C by Temp gun 4	3 C
5) Are there Dissolved samples for	or 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		Time	
-		Permission to subcontract	samples? Yes No
7) Location where samples are stored	4. 10	(Walk-in clients only) if not	·
., Location miles campies are stored	"	Client Signature:	. aircady approved
2) De all complete have the successive	. A = 1-1 - 11 - 12 - 13 - 1		
8) Do all samples have the proper Acid pH: Yes No NA			
9) Do all samples have the proper Base pH: Yes No (N/A)			
10) Was the PC notified of any dis	crepancies with the CoC	vs the samples: Yes No	N/A)
_	crepancies with the CoC ntainers receive		(N/A)
_			(N/A) # of containers
_	ntainers receiv		33.0
Со	ntainers receiv	ed at Con-Test	33.0
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber)	ntainers receiv	ed at Con-Test 8 oz amber/clear jar	33.0
1 Liter Amber 500 mL Amber	ntainers receiv	ed at Con-Test 8 oz amber/clear jar 4 oz amber/clear jar	33.0
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic	ntainers receiv	8 oz amber/clear jar 4 oz amber/clear jar 2 oz amber/clear jar Air Cassette Hg/Hopcalite Tube	33.0
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic	ntainers receive	8 oz amber/clear jar 4 oz amber/clear jar 2 oz amber/clear jar Air Cassette Hg/Hopcalite Tube Plastic Bag / Ziploc	33.0
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below	# of containers	8 oz amber/clear jar 4 oz amber/clear jar 2 oz amber/clear jar Air Cassette Hg/Hopcalite Tube Plastic Bag / Ziploc PM 2.5 / PM 10	33.0
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle	ntainers receive # of containers	8 oz amber/clear jar 4 oz amber/clear jar 2 oz amber/clear jar Air Cassette Hg/Hopcalite Tube Plastic Bag / Ziploc PM 2.5 / PM 10 PUF Cartridge	33.0
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle	# of containers	8 oz amber/clear jar 4 oz amber/clear jar 2 oz amber/clear jar Air Cassette Hg/Hopcalite Tube Plastic Bag / Ziploc PM 2.5 / PM 10 PUF Cartridge SOC Kit	33.0
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle Encore	# of containers	8 oz amber/clear jar 4 oz amber/clear jar 2 oz amber/clear jar Air Cassette Hg/Hopcalite Tube Plastic Bag / Ziploc PM 2.5 / PM 10 PUF Cartridge SOC Kit TO-17 Tubes	33.0
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle Encore Flashpoint bottle	# of containers	8 oz amber/clear jar 4 oz amber/clear jar 2 oz amber/clear jar Air Cassette Hg/Hopcalite Tube Plastic Bag / Ziploc PM 2.5 / PM 10 PUF Cartridge SOC Kit TO-17 Tubes Non-ConTest Container	311
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle Encore Flashpoint bottle Perchlorate Kit	# of containers	8 oz amber/clear jar 4 oz amber/clear jar 2 oz amber/clear jar 2 oz amber/clear jar Air Cassette Hg/Hopcalite Tube Plastic Bag / Ziploc PM 2.5 / PM 10 PUF Cartridge SOC Kit TO-17 Tubes Non-ConTest Container Other glass jar	311
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle Encore Flashpoint bottle Perchlorate Kit Other	# of containers	8 oz amber/clear jar 4 oz amber/clear jar 2 oz amber/clear jar Air Cassette Hg/Hopcalite Tube Plastic Bag / Ziploc PM 2.5 / PM 10 PUF Cartridge SOC Kit TO-17 Tubes Non-ConTest Container	311
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle Encore Flashpoint bottle Perchlorate Kit	# of containers	8 oz amber/clear jar 4 oz amber/clear jar 2 oz amber/clear jar 2 oz amber/clear jar Air Cassette Hg/Hopcalite Tube Plastic Bag / Ziploc PM 2.5 / PM 10 PUF Cartridge SOC Kit TO-17 Tubes Non-ConTest Container Other glass jar	311
1 Liter Amber 500 mL Amber 250 mL Amber (80z amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle Encore Flashpoint bottle Perchlorate Kit Other Laboratory Comments:	# of containers	8 oz amber/clear jar 4 oz amber/clear jar 2 oz amber/clear jar 2 oz amber/clear jar Air Cassette Hg/Hopcalite Tube Plastic Bag / Ziploc PM 2.5 / PM 10 PUF Cartridge SOC Kit TO-17 Tubes Non-ConTest Container Other glass jar Other	311
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle Encore Flashpoint bottle Perchlorate Kit Other Laboratory Comments: 40 mL vials: # HCI	# of containers # Methanol	8 oz amber/clear jar 4 oz amber/clear jar 2 oz amber/clear jar 2 oz amber/clear jar Air Cassette Hg/Hopcalite Tube Plastic Bag / Ziploc PM 2.5 / PM 10 PUF Cartridge SOC Kit TO-17 Tubes Non-ConTest Container Other glass jar Other	# of containers
1 Liter Amber 500 mL Amber 250 mL Amber (80z amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle Encore Flashpoint bottle Perchlorate Kit Other Laboratory Comments:	# Methanol # DI Water	8 oz amber/clear jar 4 oz amber/clear jar 2 oz amber/clear jar 2 oz amber/clear jar Air Cassette Hg/Hopcalite Tube Plastic Bag / Ziploc PM 2.5 / PM 10 PUF Cartridge SOC Kit TO-17 Tubes Non-ConTest Container Other glass jar Other	# of containers