Fairfield Public Schools
Fairfield, CT 06825

TO: Dr. David Title and Members of the Board of Education

FROM: Salvatore Morabito

DATE: June 12, 2012

RE: Osborn Hill Window Replacement Project Testing
Additional PCB Testing Following Cleaning **"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 following the specialized cleaning conducted at Osborn Hill School on the evening of Friday, May 25, 2012. The additional testing was performed in classroom 116, the corridor leading to the Gymnasium, and adjacent areas.

Our testing company has notified both the CT DEEP and the EPA of its findings. In addition to these notifications, we have consulted the local Health Department Director. The test reports indicate that the PCB levels in room 116 are below the EPA recommended limits. The test reports also indicate that while substantial progress has been made in lowering the PCB levels in the corridor leading to the Gymnasium, these levels remain slightly above the EPA recommended limits.

An additional cleaning will be scheduled for the affected corridor area as soon as possible. Additional testing will be conducted to confirm that this follow up cleaning has brought the PCB levels to below the EPA recommended limits. All results will be posted on the Fairfield Public Schools' website when received. The Central Office administration and the Osborn Hill School Principal will keep PCB test reports on file per State regulations.

In response to the posting of previous test results for this building, several questions have been received. These questions and answers are as follows:

Q: Has the district shared the actual test results with parents?
A: Yes. This information was shared with the school, the school PTA, the school's Tools for Schools Committee and the school's parents via an e-blast notification from the school. Copies of the results can be found at: http://www.fairfieldschools.org/pop/hazard_popup.htm.

Q: Who spoke with the EPA?
A: Our testing consultant, AMC Environmental, spoke with both the EPA and CT DEEP regarding the test results and follow up actions to be undertaken.

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Q: Did the EPA say it is safe to keep children in the building?

A: The EPA and CT DEEP are aware of the test results and have advised that evacuation is not necessary. Instead, they recommend that steps be taken to reduce exposure. This is the process that we are going through now.

Q: Is the district in compliance with EPA regulations for PCB?

A: The district is in compliance with EPA requirements for posting of test results and following EPA and CT DEEP regulations. As summarized in the attached report there are still some slightly elevated test results that indicate additional steps (cleaning and follow up testing) are required.

Q: Has the district checked or tested for other sources of PCBs such as lighting fixtures or the ventilation system?

A: The district has confirmed that all of the ceilings and lights were replaced in the 1996 renovation of Osborn Hill and therefore are not a possible source of PCBs. The ventilation system will be checked (tested) in the next round of tests.

Q: What are the steps and timeline to make a funding request for the replacement of the windows?

A: There are 4 steps to the process:

Step One.

Initial pre-renovation hazardous material inspection.

Includes lead paint, asbestos, and Polychlorinated Biphenyl (PCB) sampling to build a history of what (if any) hazardous materials are in or around the windows.

Step Two.

Polychlorinated Biphenyl (PCB) testing and inspection.

Includes wipe tests and air tests based on what is found from Step One inspection.

Step Three.

Polychlorinated Biphenyl (PCB) core sampling of masonry materials.

Includes drilling into masonry materials to take dust samples based on what is found from Steps One and Two.

Step Four.

Completion of all testing and the building of a Polychlorinated Biphenyl (PCB) remediation plan. The remediation plan is developed and submitted to the EPA and the CT DEEP for approval. Once the plan is approved, a funding request can be made.

Step One is completed at this time and we are involved with Step Two testing results which is requiring a specialized cleaning process and retesting. Steps Three and Four will be based on information and recommendations from the EPA and CT DEEP.

We expect to have a funding request ready in the fall but this is dependent on how long the CT DEEP and the EPA take to approve the remediation plan.

Fairfield Public Schools
Fairfield, CT 06825

If you have any questions or concerns regarding the specialized cleaning or the PCB testing, please feel free to contact me at (203) 255-7363.

Thank you.

c: Bev Dyer
Central Office Administration
Sands Cleary

AMC
ENVIRONMENTAL, LLC

AMC
Environmental,
LLC

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P.O Box 423
Stratford, CT
06615

June 12, 2012

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

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

Dear Mr. Morabito:

INTRODUCTION

AMC Environmental was retained to obtain initial PCB in air samples and PCB wipe samples from classroom 116 and the corridor outside the gymnasium at Osborne Hill Elementary School in Fairfield on May 4 and 7, 2012. The sampling was obtained from the areas where materials with the highest PCB concentrations were previously identified during the initial bulk sample inspection associated with the anticipated window replacement project (see report dated April 25, 2012). AMC returned to Osborne Hill School on May 26, 2012 to complete follow-up PCB air and wipe sampling after the cleaning of the corridor outside the gym as well as room 116.

BACKGROUND

Polychlorinated Biphenyl (PCB)

Polychlorinated biphenyls (PCBs) are a group of chemicals that contain 209 individual compounds (known as congeners) with varying harmful effects. The U.S. Environmental Protection Agency (EPA) treats all PCBs as being potentially hazardous based on results from some formulations. However, this can have large uncertainty for any given mixture situation. PCBs were domestically manufactured from 1929 until their manufacture was banned in 1979. They have a range of toxicity and vary in consistency from thin, light-colored liquids to yellow or black waxy solids. Due to their non-flammability, chemical stability, high boiling point, and electrical insulating properties, PCBs were used in hundreds of industrial and commercial applications including electrical, heat transfer, and hydraulic equipment; as plasticizers in paints, plastics, and rubber products; in pigments, dyes, and carbonless copy paper; and many other industrial applications. For this project, initial PCB samples were tested in caulks and window glazing throughout the building.

PCBs are no longer produced or used in the United States today; the major source of exposure to PCBs today is the redistribution of PCBs already present in soil and water. Chronic (long-term) exposure to some PCB formulations by inhalation in humans results in respiratory tract symptoms, gastrointestinal effects, mild liver effects, and effects on the skin and eyes such as chloracne, skin rashes, and eye irritation. Epidemiological studies indicate an association between dietary PCB exposures and developmental

effects. Human studies provide inconclusive, yet suggestive, evidence of an association between PCBs exposure and cancer. Animal studies have reported an increase in liver tumors in rats and mice exposed orally to all tested PCB formulations. EPA has classified PCBs as a Group B2, probable human carcinogen.

PCB Air Samples

Public Health Levels for PCBs in Indoor School Air

The U.S. EPA has calculated prudent public health levels that maintain PCB exposures below the "reference dose" – the amount of PCB exposure that EPA does not believe will cause harm. EPA's reference dose (RfD) is 20 nanograms (ng) PCB/kg body weight per day. Indoor air levels are based upon EPA's understanding of average exposure to PCBs from all other major sources, and were calculated for all ages of children from toddlers in day-care to adolescents in high school as well as for adult school employees. The PCB in air action level set by the EPA is 450 ng/m^3. The action level used for this testing is 300 ng/m^3 of air due to presence of children between the ages of six (6) and twelve (12) years old.

In calculating these indoor air levels, EPA considered potential sources of PCB exposure from both school and non-school environments. Non-school sources of PCB exposure include both indoor and outdoor air, indoor dust, outside soils, and diet. Although the concentrations of PCBs in environmental media are not well characterized, mean or median values from the scientific literature, and average contact rates, were used to estimate exposure. For non-school sources, the largest single source of PCB exposure for most individuals in uncontaminated buildings is diet, which contributes roughly 50 to 60% to total PCB exposure. Typical indoor and outdoor air contains a small amount of PCBs, and inhalation exposure accounts for another 25 to 35% of total exposure. Together, these non-school sources of PCBs generally result in exposures that are significantly below the reference dose. In addition, it is worth noting that the PCB concentrations in food have been decreasing and this trend would further decrease exposure.

School sources of PCBs that were considered include school indoor and outdoor air, indoor dust, and nearby outside soils. In calculating these public health levels for indoor air in schools, EPA assumed that the PCB concentrations in dusts and soils in and around schools were the same as in average homes or other buildings without elevated PCBs. EPA also assumed an 8-hour school day for adults and children less than 3 years old, and a 6.5 hour school for all other children. EPA also assumed children would be in school 180 days per year. Using estimates of exposure for sources except indoor air in schools, EPA calculated the school indoor air PCB concentration that would result in a total exposure equal to the reference dose. These calculated indoor air concentrations are the air concentration values provided in the table below.

EPA recommends that the concentrations of PCBs in indoor air be kept as low as is reasonably achievable and that total PCB exposure be kept below the reference dose or action level. The concentration values provided in the table below are based upon average situations. Spending less time in schools would decrease school exposure and cause the values to be higher. Spending more time in schools would have the opposite effect and would decrease the values. PCB concentrations in outdoor soils, indoor dusts,

or indoor surfaces greater than those in background, non-school environments would suggest that exposure sources other than air in schools increase total exposure and, therefore, would decrease these air concentration values.

Public Health Levels of PCB's in School Indoor Air (ng/m^3) Assuming a background scenario of no significant PCB contamination in building materials and average exposure from other sources, these concentrations should keep total exposure below the reference dose of 20 ng PCB/KG-day.						
Age 1-<2 yr	Age 2-<3 yr	Age 3-<6 yr	**Age 6-<12 yr Elementary School**	Age 12<15 yr Middle School	Age 15-<19 High School	Age 19 + yr Adult
70	70	100	**300**	450	600	450

1,000 ng/m^3 = 1 ug/m^3
One thousand nanograms per cubic meter are equal to one microgram per cubic meter of air.

PCB Air Sampling

A. Carefully remove the clean sample cartridge from the aluminum foil wrapping (the foil is returned to jars for later use) and attached to the pump with flexible tubing. The sampling assembly is positioned with the intake downward or in horizontal position. Locate the sampler in an unobstructed area at least 30 meters from any obstacle to air flow. The PUF or PUF/XAD-2 cartridge intake is positioned 1 to 2 m above ground level.

B. After the PUF cartridge is correctly inserted and positioned, the power switch is turned on and the sampling begins. The elapsed time meter is activated and the start time is recorded. The pumps are checked during the sampling process and any abnormal conditions discovered are recorded on the FTDS. Ambient temperatures and barometric pressures are measured and recorded periodically during the sampling procedure on the FTDS. For this project, a high flow sampling pump was calibrated using a high flow rotometer. The samples were run at 5 liters per minute for a period of approximately 4 hours.

C. At the end of the desired sampling period, the power is turned off, the PUF cartridge removed from the sampler and wrapped with the original aluminum foil and placed in a sealed, labeled container for transport, under blue ice (<4°C), back to the laboratory. Post calibration is conducted and recorded.

PCB Wipe Samples

AMC carefully obtained PCB wipe samples from Rooms 116 and from the hallway outside the gymnasium. The greatest concentration (>50) of caulk and glazing were identified in these rooms, therefore was deemed a priority for further assessment. Non-porous surface samples were collected on the floors and window sills from each of these rooms to

determine if surface contamination is present, and if so, at what levels. A standard wipe test as specified in 40CFR 761.123 uses a 10x10 cm template (or equivalent) to outline the sample area and a gauze pad to be saturated with Hexane to collect the sample. The Hexane saturated wipe is used to thoroughly wipe the area inside the 100 cm^2 template. The wipe media is then inserted into a 6 ounce sterilized glass jar and refrigerated until delivered to the lab. The sample analysis used for this process is the SOXHLET method.

The following lists the sampling procedure followed:

An Example of a Wipe Sampling Procedure

a) Ensure that the exact sampling site has been marked to a 100 cm^2 surface area.
b) With gloved hands, remove the cap from the sampling vial. A 6 ounce sterilized glass jar was used for the sample jar.
c) With the forceps, remove the gauze from the sampling vial.
d) From a solvent bottle, use the volumetric delivery device or fill a graduated cylinder with 5 milliliters of solvent to the gauze. The solvent used in this procedure was Hexane.
e) Immediately begin applying the gauze using a gloved hand and, applying pressure, wipe the marked area completely twice, from left to right and then from top to bottom.
f) Let the gauze air dry.
g) Fold the dry gauze (sampled side inward) and return it to the sample vial.
h) Cap the sample vial.
i) Remove and discard the gloves.
j) Label the vial and fill out sampling details on the sampling forms.
k) Fill out chain of custody forms and prepare the sample for storage and shipping.

RESULTS

Air Samples

Results of the PCB in air samples obtained on the three separate visits to Osborne Hill School are listed below for comparison.

PCB Air Sample Table

1,000 ng/m^3 = 1 ug/m^3

Sample Number	Location	Results Ug/m^3
May 4, 2012		
PCB-Air-01	***Hallway Outside Gymnasium***	***0.72 ug/m^3***
PCB-Air-02	Inside Classroom 116	0.099 ug/m^3

Sample Number	Location	Results Ug/m^3
	May 26, 2012	
PCB-Air-01	Boiler Room Hall	0.30 ug/m^3
PCB-Air-02	Inside Classroom 125	0.24 ug/m^3
PCB-Air-03	Inside Classroom 116	0.10 ug/m^3
PCB-Air-04	***Hall Outside Room 119***	***0.36 ug/m^3***
PCB-Air-05*	***Hall Outside Gymnasium***	***1.1 ug/m^3***
PCB-Air-06	***Hall Outside Cafeteria***	***0.41 ug/m^3***
PCB-Air-07	Inside Classroom 110	0.17 ug/m^3
PCB-Air-08	Hall Outside Room 104	0.20 ug/m^3

**** Sample PCB-Air-05 was analyzed on a RUSH turnaround time.***

Sample Number	Location	Results Ug/m^3
	June 2, 2012	
PCB-Air-01	***Hall Outside Gymnasium***	***0.34 ug/m^3***

Samples listed in bold in the above tables document samples above the 300 ng/m^3 limit.

On May 4, 2012, AMC Environmental made a site visit to Osborne Hill School to obtain PCB in air samples from specific areas within the school. The areas tested were chosen based on elevated bulk sample results identified during a window inspection. The two areas deemed necessary included the hallway outside the gymnasium and room 116. PCBs in the air were identified in both areas. Sample analysis document the air inside room 116 was lower than the EPA action level of 300 ng/m^3 for an elementary school. The sample obtained in the hallway outside the gym documented elevated levels of PCB in air. Due to this elevated concentration, AMC recommended that an immediate cleaning response be implemented and follow up testing be performed.

AMC developed a simple guidance document on how to properly clean the area. AAIS Corporation was hired to perform the work and was issued the cleaning document. AAIS mobilized at Osborne Hill School on the 25th of May and proceeded with the cleaning in the specified locations. As part of the cleaning efforts, negative air filtration devises were strategically placed throughout the school and exhausted outside of the building. The purpose of this process was to help filter and circulate indoor air from within the school. All work was done after school hours and on the weekend when no children were present. The machines ran over night and follow up testing was conducted the following day. Typically, following a cleaning project with use of air filtration systems, concentrations of PCB's within the air may initially spike, and then eventually subside. Sampling was performed immediately following the cleaning project throughout the school on May 26, 2012 which was as Saturday.

Eight air samples were taken from within the school as illustrated in the table above. Three of the eight samples documented elevated levels of PCB's in air. Results of PCB in air

samples obtained from the main hallway outside of the gymnasium, hallway outside classroom 119 and the hallway outside the cafeteria documented elevated levels of PCB's in the air. The sample obtained from the hallway outside of the gym in-fact increased following the cleaning activities. This increase may be considered typical based on the sampling was performed the day after cleaning was completed. Therefore, the sample results in the hallway outside the gymnasium, the hallway outside classroom 119 and the hallway outside the cafeteria are **not acceptable** under the PCB in air action level of 300 ng/m^3. Further cleaning efforts and investigation is recommended at this time.

A follow-up PCB in air sample was obtained on June 2, 2012 in the hallway outside the gymnasium where the elevated level was documented. The result of the air sample is still considered unacceptable; however the concentration was reduced significantly. The final result of the air sample was 340 ng/m^3 of air, just over the 300ng/m^3 of air threshold. Further action is recommended in order to comply with the PCB in air action level of 300 ng/m^3 of air.

Wipe Samples

Results of the PCB in wipe samples obtained from the floor and window sills in Room 116 and the hallway outside the gym are documented in the tables below. Previous samples obtained on May 4, 2012 are listed for comparison.

PCB Wipe Sample Table

Sample Number	Location	Results ug/wipe
May 4, 2012		
PCB-Wipe-01	**Hall Outside Gymnasium – Floor**	**4.2 ug/wipe**
PCB-Wipe-02	**Hall Outside Gymnasium – Window Sill**	**4.2 ug/wipe**
PCB-Wipe-03	**Room 116 – Floor**	**1.7 ug/wipe**
PCB-Wipe-04	Room 116 – Window Sill	ND

Sample Number	Location	Results ug/wipe
May 26, 2012		
PCB-Wipe-01	**Hall Outside Gymnasium – Floor**	**3.2 ug/wipe**
PCB-Wipe-02	**Hall Outside Gymnasium – Floor**	**4.3 ug/wipe**
PCB-Wipe-03	**Hall Outside Gymnasium – Window Sill**	**3.2 ug/wipe**
PCB-Wipe-04	Room 116 – Floor	0.23 ug/wipe
PCB-Wipe-05	Room 116 – Window Sill	0.74 ug/wipe

**** Samples listed in bold in the above table document samples above the 1 ug/100 cm^3 limit. The surface are of each wipe is 100cm2.***

The wipe obtained from the floor and the window sill in Room 116 had detectable levels of PCBs (0.23 ug/100 cm^2 and 0.74 ug/100 cm^2); this concentration is below the State and Federal action level of 1 ug/100 cm^2 threshold and therefore **acceptable**.

Results of the three (3) PCB wipe samples obtained from the hallway outside the gymnasium exceeded the 1.0 ug/100cm^2 action level. The floor samples in the hallway documented levels of 3.2 ug/100 cm^2 and 4.3 ug/cm^2 and the window sill documented concentration of 3.2 ug/100 cm^2. Therefore these samples are considered **unacceptable** and further action is recommended.

CONCLUSION

Overall, the samples obtained during the course of the sampling at Osborne Hill School illustrate variable concentrations of PCB in the air and in the form of dust on the floor and window sills. During several site visits, sample analysis demonstrate that the most significant of the concerns is the presence of airborne PCB concentration in excess of the permissible action level of 300 ng/m^3, which was found in the hallway outside of the gym, the hallway outside the cafeteria, and the hallway outside room 119. The unacceptable levels likely originate from the elevated window glazing and caulking identified in the initial window inspection. The sampling performed on May 26, 2012 was conducted following a cleaning effort from the previous night. The cleaning likely caused the spike in PCB concentrations within the work area and adjacent areas. The follow up visit on June 2nd documented significantly lower PCB in air concentrations then the previous sample, within the same work area. Additional sampling is recommended and further cleaning efforts may be warranted.

PCB dust was also documented during the site visits. Wipe samples were obtained from rooms 116 and the hallway outside the gym. Initial samples identified slightly elevated PCB wipe samples within the floor of room 116 and both the floor and window sill in the hallway outside the gym. After the cleaning efforts on May 25, the classroom wipe samples documented acceptable levels. Surprisingly, the wipes obtained in the hallway outside the gym showed little to no change in concentration, therefore categorizing them as unacceptable. Additional cleaning is recommended in this area. AMC also recommends further investigation into the possibility of additional sources of PCB hazards within the school that may be contributing to the elevated air samples. This may include HVAC and ventilation systems, lighting ballasts as well as additional areas of elevated caulking. AMC is working toward the development of a remediation plan to eliminate all sources of contaminated caulking and glazing from within Osborne Hill School.

Very truly yours,

Richard Onofrio
Environmental Consultant

RO:so

Enclosure

References: www.epa.gov/epawaste/hazard/tsd/pcbs/index.htm
www.epa.gov/epawaste/hazard/tsd/pcbs/pubs/about.htm

Laboratory Results – PCB Air Samples

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

June 1, 2012

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

Project Location: Osborne Hill School
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 12E1018

Enclosed are results of analyses for samples received by the laboratory on May 29, 2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Worthington

Lisa A. Worthington
Project Manager

con-test®
ANALYTICAL LABORATORY
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AMC Environmental, LLC
PO Box 423
Stratford, CT 06615
ATTN: Jason Pringle

REPORT DATE: 6/1/2012

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12E1018

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

PROJECT LOCATION: Osborne Hill School

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
PCB-Air-05	12E1018-01	Air	Hall O/S Gym 119	TO-10A/EPA 680 Modified	

con-test® ANALYTICAL LABORATORY

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

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:

Analyte is found in the associated blank as well as in the sample.

Analyte & Samples(s) Qualified:

Heptachlorobiphenyls, Hexachlorobiphenyls, Total Polychlorinated biphenyls
12E1018-01[PCB-Air-05], B052397-BLK1, B052397-BS1, B052397-BSD1

Data is not affected by elevated level in blank since sample result is >10x level found in the blank.

Analyte & Samples(s) Qualified:

Hexachlorobiphenyls, Total Polychlorinated biphenyls
12E1018-01[PCB-Air-05], B052397-BLK1

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

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Osborne Hill School
Date Received: 5/29/2012
Field Sample #: PCB-Air-05
Sample ID: 12E1018-01
Sample Matrix: Air
Sampled: 5/26/2012 11:55

Sample Description/Location: Hall O/S Gym 119
Sub Description/Location:

Flow Controller ID:
Sample Type:
Air Volume L: 1200

Work Order: 12E1018

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00083	1	6/1/12 0:03	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	6/1/12 0:03	CJM
Trichlorobiphenyls	0.010	0.0010		0.0084	0.00083	1	6/1/12 0:03	CJM
Tetrachlorobiphenyls	0.30	0.0020		0.25	0.0017	1	6/1/12 0:03	CJM
Pentachlorobiphenyls	0.79	0.0020		0.66	0.0017	1	6/1/12 0:03	CJM
Hexachlorobiphenyls	0.21	0.0020	B-07, B	0.18	0.0017	1	6/1/12 0:03	CJM
Heptachlorobiphenyls	0.014	0.0030	B	0.011	0.0025	1	6/1/12 0:03	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	6/1/12 0:03	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0042	1	6/1/12 0:03	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0042	1	6/1/12 0:03	CJM
Total Polychlorinated biphenyls	1.3		B-07, B	1.1		1	6/1/12 0:03	CJM

Surrogates	% Recovery	% REC Limits	Date/Time Analyzed
Tetrachloro-m-xylene	92.3	50-125	6/1/12 0:03

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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [Cartridge	Final [mL]	Date
12E1018-01 [PCB-Air-05]	B052397	1.00	1.00	05/29/12

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QUALITY CONTROL

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

Analyte	Total µg Results	Total µg RL	ug/m3 Results	ug/m3 RL	Spike Level Total µg	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch B052397 - SW-846 3540C											
Blank (B052397-BLK1)					Prepared: 05/29/12 Analyzed: 05/31/12						
Monochlorobiphenyls	ND	0.0010									
Dichlorobiphenyls	ND	0.0010									
Trichlorobiphenyls	ND	0.0010									
Tetrachlorobiphenyls	ND	0.0020									
Pentachlorobiphenyls	ND	0.0020									
Hexachlorobiphenyls	0.0084	0.0020									B-07
Heptachlorobiphenyls	0.0061	0.0030									B
Octachlorobiphenyls	ND	0.0030									
Nonachlorobiphenyls	ND	0.0050									
Decachlorobiphenyl	ND	0.0050									
Total Polychlorinated biphenyls	0.015										B-07
Surrogate: Tetrachloro-m-xylene	*0.204*				*0.200*		*102*	*50-125*			
LCS (B052397-BS1)					Prepared: 05/29/12 Analyzed: 05/31/12						
Monochlorobiphenyls	0.17	0.0010			0.200		83.0	40-140			
Dichlorobiphenyls	0.18	0.0010			0.200		87.6	40-140			
Trichlorobiphenyls	0.18	0.0010			0.200		89.8	40-140			
Tetrachlorobiphenyls	0.36	0.0020			0.400		89.5	40-140			
Pentachlorobiphenyls	0.39	0.0020			0.400		97.5	40-140			
Hexachlorobiphenyls	0.39	0.0020			0.400		97.5	40-140			B
Heptachlorobiphenyls	0.60	0.0030			0.600		100	40-140			B
Octachlorobiphenyls	0.60	0.0030			0.600		101	40-140			
Nonachlorobiphenyls	1.1	0.0050			1.00		107	40-140			
Decachlorobiphenyl	1.1	0.0050			1.00		106	40-140			
Surrogate: Tetrachloro-m-xylene	*0.194*				*0.200*		*97.1*	*50-125*			
LCS Dup (B052397-BSD1)					Prepared: 05/29/12 Analyzed: 05/31/12						
Monochlorobiphenyls	0.17	0.0010			0.200		84.5	40-140	1.75	50	
Dichlorobiphenyls	0.18	0.0010			0.200		89.0	40-140	1.61	50	
Trichlorobiphenyls	0.18	0.0010			0.200		91.2	40-140	1.55	50	
Tetrachlorobiphenyls	0.36	0.0020			0.400		90.5	40-140	1.07	50	
Pentachlorobiphenyls	0.40	0.0020			0.400		99.3	40-140	1.86	50	
Hexachlorobiphenyls	0.39	0.0020			0.400		98.7	40-140	1.20	50	B
Heptachlorobiphenyls	0.61	0.0030			0.600		101	40-140	1.28	50	B
Octachlorobiphenyls	0.61	0.0030			0.600		102	40-140	1.01	50	
Nonachlorobiphenyls	1.1	0.0050			1.00		108	40-140	0.940	50	
Decachlorobiphenyl	1.1	0.0050			1.00		108	40-140	2.07	50	
Surrogate: Tetrachloro-m-xylene	*0.184*				*0.200*		*92.0*	*50-125*			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
B	Analyte is found in the associated blank as well as in the sample.
B-07	Data is not affected by elevated level in blank since sample result is >10x level found in the blank.

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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	06/30/2012
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	06/30/2012
FL	Florida Department of Health	E871027 NELAP	06/30/2012
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2012
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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AIR SAMPLE CHAIN OF CUSTODY RECORD

12E1018

39 SPRUCE ST
EAST LONGMEADOW, MA 01028

Page ___ of ___
DOC#284
Rev. July2010

Company Name: AMC Environmental, LLC
Address: P.O. Box 423
Stratford, CT 06615
Attention: Mr. Jason Pringle
Project Location: Osborne Hill School
Sampled By: Richard Onofrio/Jason Pringle

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

DATA DELIVERY (check one):
☐FAX ☑EMAIL ☐WEBSITE CLIENT
Fax #:
Email: results@amcenviro.com
Format: ☐EXCEL ☑PDF ☐GIS KEY ☐OTHER

Proposal Provided? (For Billing purposes)
☐yes ____ proposal date

Field ID	Sample Description	Media	Lab #	Date Sampled Start Date Time	Date Sampled Stop Date Time	ONLY USE WHEN USING PUMPS Total Minutes Sampled	Flow Rate M³/Min. or L / Min.	Volume Liters or M³	Matrix Code*	ANALYSIS REQUESTED 680 Homolog	" Hg Initial pressure	" Hg Final Pressure	" Hg Lab Receipt pressure	Summa Canister ID	Flow Controller ID
PCB-Air-01	o/s Boiler Rm-Hall	P	—	5/26/12 7:46AM	11:46	240	5L		IA						
02	I/S classroom 125		—	5/26/12 7:46AM	11:48	240	↓		↓						
03	I/S classroom 116		—	7:51AM	11:52	241									
04	Hall O/S Rm 119		—	7:53	11:53	240									
05	Hall O/S Gym		01	7:55	11:55	240									
06	Hall O/S Cafeteria		—	7:56	11:57	241									
07	I/S classroom 110		—	8:00	12:01	241									
08	Hall O/S Rm 104		—	8:02	12:04	242			↓						

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

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

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

Laboratory Comments:
SAMPLE 05 - TAT=24HR
All other samples 5-7 days

CLIENT COMMENTS:
Elementary School 6 - <12 yr = 300 ng/m3

Relinquished by: (signature)	Date/Time: 5/26/12	
Received by: (signature) Paul Rancet	Date/Time: 5/29/12 11:55	
Relinquished by: (signature) Paul Rancet	Date/Time: 5/29/12 15:30	
Received by: (signature) 3.2°C	Date/Time: 5/29/12 15:39	

Turnaround **
☐ 7-Day
☐ 10-Day
☐ Other ___
RUSH *
☑ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
*Approval Required

Special Requirements
Regulations: CT
Data Enhancement/RCP? ☐Y ☐N
Enhanced Data Package ☐Y ☐N
(Surchage Applies)
Required Detection Limits: 300 ng/m3
Other:

*Matrix Code:
SG= SOIL GAS
IA= INDOOR AIR
AMB=AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = other

**Media Codes:
S=summa can
T=tedlar bag
P=PUF
T=tube
F= filter
C=cassette
O = Other

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

AIHA, NELAC & WBE/DBE Certified

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Sample Receipt Checklist

CLIENT NAME: AMC Environmental RECEIVED BY: JB DATE: 5/28/12

1) Was the chain(s) of custody relinquished and signed? (Yes) No No CoC Included

2) Does the chain agree with the samples? (Yes) No

If not, explain:

3) Are all the samples in good condition? (Yes) No

If not, explain:

4) How were the samples received:

On Ice ☑ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☑

Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/A

Temperature °C by Temp blank _____ Temperature °C by Temp gun 3.2°C

5) Are there Dissolved samples for the lab to filter? Yes (No)

Who was notified _____ Date _____ Time _____

6) Are there any RUSH or SHORT HOLDING TIME samples? (Yes) No

Who was notified _____ Date _____ Time _____

7) Location where samples are stored: 19

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

8) Do all samples have the proper Acid pH: Yes No (N/A)

9) Do all samples have the proper Base pH: Yes No (N/A)

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic		Plastic Bag / Ziploc	
40 mL Vial - type listed below		PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	Yes, 1
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____

Bisulfate _____ # DI Water _____

Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

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June 5, 2012

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

Project Location: Osborne Hill School
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 12E1019

Enclosed are results of analyses for samples received by the laboratory on May 29, 2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Worthington

Lisa A. Worthington
Project Manager

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

REPORT DATE: 6/5/2012

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12E1019

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

PROJECT LOCATION: Osborne Hill School

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
PCB-Air-01	12E1019-01	Air	Boiler Rm-Hall	TO-10A/EPA 680 Modified	
PCB-Air-02	12E1019-02	Air	I/S Classroom 125	TO-10A/EPA 680 Modified	
PCB-Air-03	12E1019-03	Air	I/S Classroom 116	TO-10A/EPA 680 Modified	
PCB-Air-04	12E1019-04	Air	Hall O/S RM 119	TO-10A/EPA 680 Modified	
PCB-Air-06	12E1019-05	Air	Hall O/S Cafeteria	TO-10A/EPA 680 Modified	
PCB-Air-07	12E1019-06	Air	I/S Classroom 110	TO-10A/EPA 680 Modified	
PCB-Air-08	12E1019-07	Air	Hall O/S Rm 104	TO-10A/EPA 680 Modified	

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CASE NARRATIVE SUMMARY

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

TO-10A/EPA 680 Modified

Qualifications:

Analyte is found in the associated blank as well as in the sample.

Analyte & Samples(s) Qualified:

Heptachlorobiphenyls, Hexachlorobiphenyls, Total Polychlorinated biphenyls

12E1019-01[PCB-Air-01], 12E1019-02[PCB-Air-02], 12E1019-03[PCB-Air-03], 12E1019-04[PCB-Air-04], 12E1019-07[PCB-Air-08], B052397-BLK1, B052397-BS1, B052397-BSD1, 12E1019-05[PCB-Air-06], 12E1019-06[PCB-Air-07]

Data is not affected by elevated level in blank since sample result is >10x level found in the blank.

Analyte & Samples(s) Qualified:

Hexachlorobiphenyls, Total Polychlorinated biphenyls

B052397-BLK1, 12E1019-01[PCB-Air-01], 12E1019-02[PCB-Air-02], 12E1019-04[PCB-Air-04], 12E1019-05[PCB-Air-06], 12E1019-06[PCB-Air-07], 12E1019-07[PCB-Air-08]

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

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ANALYTICAL RESULTS

Project Location: Osborne Hill School
Date Received: 5/29/2012
Field Sample #: PCB-Air-01
Sample ID: 12E1019-01
Sample Matrix: Air
Sampled: 5/26/2012 11:46

Sample Description/Location: Boiler Rm-Hall
Sub Description/Location:

Flow Controller ID:
Sample Type:
Air Volume L: 1200

Work Order: 12E1019

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00083	1	6/1/12 2:19	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	6/1/12 2:19	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00083	1	6/1/12 2:19	CJM
Tetrachlorobiphenyls	0.089	0.0020		0.074	0.0017	1	6/1/12 2:19	CJM
Pentachlorobiphenyls	0.21	0.0020		0.18	0.0017	1	6/1/12 2:19	CJM
Hexachlorobiphenyls	0.055	0.0020	B	0.046	0.0017	1	6/1/12 2:19	CJM
Heptachlorobiphenyls	0.0061	0.0030	B	0.0051	0.0025	1	6/1/12 2:19	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	6/1/12 2:19	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0042	1	6/1/12 2:19	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0042	1	6/1/12 2:19	CJM
Total Polychlorinated biphenyls	0.36		B-07, B	0.30		1	6/1/12 2:19	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	86.3	50-125	6/1/12 2:19

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ANALYTICAL RESULTS

Project Location: Osborne Hill School
Date Received: 5/29/2012
Field Sample #: PCB-Air-02
Sample ID: 12E1019-02
Sample Matrix: Air
Sampled: 5/26/2012 11:48

Sample Description/Location: I/S Classroom 125
Sub Description/Location:

Flow Controller ID:
Sample Type:
Air Volume L: 1200

Work Order: 12E1019

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00083	1	6/1/12 2:53	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	6/1/12 2:53	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00083	1	6/1/12 2:53	CJM
Tetrachlorobiphenyls	0.077	0.0020		0.064	0.0017	1	6/1/12 2:53	CJM
Pentachlorobiphenyls	0.17	0.0020		0.14	0.0017	1	6/1/12 2:53	CJM
Hexachlorobiphenyls	0.042	0.0020	B	0.035	0.0017	1	6/1/12 2:53	CJM
Heptachlorobiphenyls	0.0051	0.0030	B	0.0042	0.0025	1	6/1/12 2:53	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	6/1/12 2:53	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0042	1	6/1/12 2:53	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0042	1	6/1/12 2:53	CJM
Total Polychlorinated biphenyls	0.29		B-07, B	0.24		1	6/1/12 2:53	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	90.5	50-125	6/1/12 2:53

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ANALYTICAL RESULTS

Project Location: Osborne Hill School
Date Received: 5/29/2012
Field Sample #: PCB-Air-03
Sample ID: 12E1019-03
Sample Matrix: Air
Sampled: 5/26/2012 11:52

Sample Description/Location: I/S Classroom 116
Sub Description/Location:

Flow Controller ID:
Sample Type:
Air Volume L: 1205

Work Order: 12E1019

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00083	1	6/1/12 3:27	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	6/1/12 3:27	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00083	1	6/1/12 3:27	CJM
Tetrachlorobiphenyls	0.031	0.0020		0.025	0.0017	1	6/1/12 3:27	CJM
Pentachlorobiphenyls	0.067	0.0020		0.055	0.0017	1	6/1/12 3:27	CJM
Hexachlorobiphenyls	0.020	0.0020	B	0.016	0.0017	1	6/1/12 3:27	CJM
Heptachlorobiphenyls	0.0048	0.0030	B	0.004	0.0025	1	6/1/12 3:27	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	6/1/12 3:27	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0041	1	6/1/12 3:27	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0041	1	6/1/12 3:27	CJM
Total Polychlorinated biphenyls	0.12		B	0.10		1	6/1/12 3:27	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	85.9	50-125	6/1/12 3:27

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ANALYTICAL RESULTS

Project Location: Osborne Hill School
Date Received: 5/29/2012
Field Sample #: PCB-Air-04
Sample ID: 12E1019-04
Sample Matrix: Air
Sampled: 5/26/2012 11:53

Sample Description/Location: Hall O/S RM 119
Sub Description/Location:

Flow Controller ID:
Sample Type:
Air Volume L: 1200

Work Order: 12E1019

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00083	1	6/1/12 4:01	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	6/1/12 4:01	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00083	1	6/1/12 4:01	CJM
Tetrachlorobiphenyls	0.11	0.0020		0.091	0.0017	1	6/1/12 4:01	CJM
Pentachlorobiphenyls	0.25	0.0020		0.21	0.0017	1	6/1/12 4:01	CJM
Hexachlorobiphenyls	0.065	0.0020	B	0.054	0.0017	1	6/1/12 4:01	CJM
Heptachlorobiphenyls	0.0077	0.0030	B	0.0064	0.0025	1	6/1/12 4:01	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	6/1/12 4:01	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0042	1	6/1/12 4:01	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0042	1	6/1/12 4:01	CJM
Total Polychlorinated biphenyls	0.44		B-07, B	0.36		1	6/1/12 4:01	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	88.5	50-125	6/1/12 4:01

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ANALYTICAL RESULTS

Project Location: Osborne Hill School
Date Received: 5/29/2012
Field Sample #: PCB-Air-06
Sample ID: 12E1019-05
Sample Matrix: Air
Sampled: 5/26/2012 11:57

Sample Description/Location: Hall O/S Cafeteria
Sub Description/Location:

Flow Controller ID:
Sample Type:
Air Volume L: 1205

Work Order: 12E1019

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00083	1	6/1/12 4:35	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	6/1/12 4:35	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00083	1	6/1/12 4:35	CJM
Tetrachlorobiphenyls	0.12	0.0020		0.099	0.0017	1	6/1/12 4:35	CJM
Pentachlorobiphenyls	0.30	0.0020		0.25	0.0017	1	6/1/12 4:35	CJM
Hexachlorobiphenyls	0.073	0.0020	B	0.061	0.0017	1	6/1/12 4:35	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	6/1/12 4:35	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	6/1/12 4:35	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0041	1	6/1/12 4:35	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0041	1	6/1/12 4:35	CJM
Total Polychlorinated biphenyls	0.49		B-07, B	0.41		1	6/1/12 4:35	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	92.2	50-125	6/1/12 4:35

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ANALYTICAL RESULTS

Project Location: Osborne Hill School
Date Received: 5/29/2012
Field Sample #: PCB-Air-07
Sample ID: 12E1019-06
Sample Matrix: Air
Sampled: 5/26/2012 12:01

Sample Description/Location: I/S Classroom 110
Sub Description/Location:

Flow Controller ID:
Sample Type:
Air Volume L: 1205

Work Order: 12E1019

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00083	1	6/1/12 5:09	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	6/1/12 5:09	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00083	1	6/1/12 5:09	CJM
Tetrachlorobiphenyls	0.062	0.0020		0.051	0.0017	1	6/1/12 5:09	CJM
Pentachlorobiphenyls	0.12	0.0020		0.097	0.0017	1	6/1/12 5:09	CJM
Hexachlorobiphenyls	0.024	0.0020	B	0.020	0.0017	1	6/1/12 5:09	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	6/1/12 5:09	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	6/1/12 5:09	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0041	1	6/1/12 5:09	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0041	1	6/1/12 5:09	CJM
Total Polychlorinated biphenyls	0.20		B-07, B	0.17		1	6/1/12 5:09	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	87.1	50-125	6/1/12 5:09

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ANALYTICAL RESULTS

Project Location: Osborne Hill School
Date Received: 5/29/2012
Field Sample #: PCB-Air-08
Sample ID: 12E1019-07
Sample Matrix: Air
Sampled: 5/26/2012 12:04

Sample Description/Location: Hall O/S Rm 104
Sub Description/Location:

Flow Controller ID:
Sample Type:
Air Volume L: 1210

Work Order: 12E1019

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00083	1	6/1/12 5:43	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	6/1/12 5:43	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00083	1	6/1/12 5:43	CJM
Tetrachlorobiphenyls	0.059	0.0020		0.049	0.0017	1	6/1/12 5:43	CJM
Pentachlorobiphenyls	0.13	0.0020		0.11	0.0017	1	6/1/12 5:43	CJM
Hexachlorobiphenyls	0.040	0.0020	B	0.033	0.0017	1	6/1/12 5:43	CJM
Heptachlorobiphenyls	0.0079	0.0030	B	0.0065	0.0025	1	6/1/12 5:43	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	6/1/12 5:43	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0041	1	6/1/12 5:43	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0041	1	6/1/12 5:43	CJM
Total Polychlorinated biphenyls	0.24		B-07, B	0.20		1	6/1/12 5:43	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	84.4	50-125	6/1/12 5:43

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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [Cartridge	Final [mL]	Date
12E1019-01 [PCB-Air-01]	B052397	1.00	1.00	05/29/12
12E1019-02 [PCB-Air-02]	B052397	1.00	1.00	05/29/12
12E1019-03 [PCB-Air-03]	B052397	1.00	1.00	05/29/12
12E1019-04 [PCB-Air-04]	B052397	1.00	1.00	05/29/12
12E1019-05 [PCB-Air-06]	B052397	1.00	1.00	05/29/12
12E1019-06 [PCB-Air-07]	B052397	1.00	1.00	05/29/12
12E1019-07 [PCB-Air-08]	B052397	1.00	1.00	05/29/12

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QUALITY CONTROL

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

Analyte	Total µg Results	Total µg RL	ng/m3 Results	ng/m3 RL	Spike Level Total µg	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch B052397 - SW-846 3540C											
Blank (B052397-BLK1)					Prepared: 05/29/12 Analyzed: 05/31/12						
Monochlorobiphenyls	ND	0.0010									
Dichlorobiphenyls	ND	0.0010									
Trichlorobiphenyls	ND	0.0010									
Tetrachlorobiphenyls	ND	0.0020									
Pentachlorobiphenyls	ND	0.0020									
Hexachlorobiphenyls	0.0084	0.0020									B-07
Heptachlorobiphenyls	0.0061	0.0030									B
Octachlorobiphenyls	ND	0.0030									
Nonachlorobiphenyls	ND	0.0050									
Decachlorobiphenyl	ND	0.0050									
Total Polychlorinated biphenyls	0.015										B-07
Surrogate: Tetrachloro-m-xylene	*0.204*				*0.200*		*102*	*50-125*			
LCS (B052397-BS1)					Prepared: 05/29/12 Analyzed: 05/31/12						
Monochlorobiphenyls	0.17	0.0010			0.200		83.0	40-140			
Dichlorobiphenyls	0.18	0.0010			0.200		87.6	40-140			
Trichlorobiphenyls	0.18	0.0010			0.200		89.8	40-140			
Tetrachlorobiphenyls	0.36	0.0020			0.400		89.5	40-140			
Pentachlorobiphenyls	0.39	0.0020			0.400		97.5	40-140			
Hexachlorobiphenyls	0.39	0.0020			0.400		97.5	40-140			B
Heptachlorobiphenyls	0.60	0.0030			0.600		100	40-140			B
Octachlorobiphenyls	0.60	0.0030			0.600		101	40-140			
Nonachlorobiphenyls	1.1	0.0050			1.00		107	40-140			
Decachlorobiphenyl	1.1	0.0050			1.00		106	40-140			
Surrogate: Tetrachloro-m-xylene	*0.194*				*0.200*		*97.1*	*50-125*			
LCS Dup (B052397-BSD1)					Prepared: 05/29/12 Analyzed: 05/31/12						
Monochlorobiphenyls	0.17	0.0010			0.200		84.5	40-140	1.75	50	
Dichlorobiphenyls	0.18	0.0010			0.200		89.0	40-140	1.61	50	
Trichlorobiphenyls	0.18	0.0010			0.200		91.2	40-140	1.55	50	
Tetrachlorobiphenyls	0.36	0.0020			0.400		90.5	40-140	1.07	50	
Pentachlorobiphenyls	0.40	0.0020			0.400		99.3	40-140	1.86	50	
Hexachlorobiphenyls	0.39	0.0020			0.400		98.7	40-140	1.20	50	B
Heptachlorobiphenyls	0.61	0.0030			0.600		101	40-140	1.28	50	B
Octachlorobiphenyls	0.61	0.0030			0.600		102	40-140	1.01	50	
Nonachlorobiphenyls	1.1	0.0050			1.00		108	40-140	0.940	50	
Decachlorobiphenyl	1.1	0.0050			1.00		108	40-140	2.07	50	
Surrogate: Tetrachloro-m-xylene	*0.184*				*0.200*		*92.0*	*50-125*			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
B	Analyte is found in the associated blank as well as in the sample.
B-07	Data is not affected by elevated level in blank since sample result is >10x level found in the blank.

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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	06/30/2012
CT	Connecticut Department of Public 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	06/30/2012
FL	Florida Department of Health	E871027 NELAP	06/30/2012
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2012
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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Email: info@contestlabs.com
www.contestlabs.com
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EAST LONGMEADOW, MA 01028

AIR SAMPLE CHAIN OF CUSTODY RECORD

12E1019

Company Name: AMC Environmental, LLC
Address: P.O. Box 423
Stratford, CT 06615
Attention: Mr. Jason Pringle
Project Location: Osborne Hill School
Sampled By: Richard Onofrio/Jason Pringle
Telephone: 203-378-5020
Project #
Client PO #

DATA DELIVERY (check one):
☐FAX ☑EMAIL ☐WEBSITE CLIENT
Fax #:
Email: results@amcenviro.com
Format: ☐EXCEL ☑PDF ☐GIS KEY ☐OTHER

Proposal Provided? (For Billing purposes)
☐yes ____ proposal date

Field ID	Sample Description	Media	Lab #	Date Sampled Start Date Time	Date Sampled Stop Date Time	ONLY USE WHEN USING PUMPS Total Minutes Sampled	Flow Rate M³/Min. or L/Min.	Volume Liters or M³	Matrix Code*	ANALYSIS REQUESTED 680 Homolog	" Hg Initial pressure	" Hg Final pressure	" Hg Lab Receipt pressure	Summa Canister ID	Flow Controller ID
PCB-Air-01	o/s Boiler Rm-Hall	P	01	5/26/12 7:46AM	11:46	240	5L		1A						
02	i/s classroom 125		02	5/26/12 7:48AM	11:48	240	↓		↓						
03	i/s classroom 116		03	7:51AM	11:52	241									
04	Hall o/s Rm 119		04	7:53	11:53	240									
05	Hall o/s Gym		—	7:55	11:55	240									
06	Hall o/s Cafeteria		05	7:58	11:57	241									
07	i/s classroom 110		06	8:00	12:01	241									
08	Hall o/s Rm 104		07	8:02	12:04	242									

Please fill out completely, sign, date and retain the yellow copy for your record.
Summa canisters and flow controllers must be returned within 14 days of receipt or rental fees will apply.
Summa canisters will be retained for a minimum of 14 days after sampling date prior to cleaning.

Laboratory Comments:
SAMPLE 05 - TAT=24HR
All other samples 5-7 days

CLIENT COMMENTS:
Elementary School 6 - <12 yr = 300 ng/m3

Relinquished by: (signature)	Date/Time: 5/26/12	
Received by: (signature) Paul Racusi	Date/Time: 5/29/12 11:55	
Relinquished by: (signature) Paul Racusi	Date/Time: 5/29/12 15:30	
Received by: (signature) 3.2°C	Date/Time: 5/29/12 15:30	

Turnaround **
☐ 7-Day
☐ 10-Day
☐ Other ___
RUSH *
☑ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
*Approval Required

Special Requirements
Regulations: CT
Data Enhancement/RCP? ☐Y ☐N
Enhanced Data Package ☐Y ☐N
(Surchage Applies)
Required Detection Limits: 300 ng/m3
Other:

*Matrix Code:
SG= SOIL GAS
IA= INDOOR AIR
AMB=AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = other

**Media Codes:
S=summa can
T=tedlar bag
P=PUF
T=tube
F= filter
C=cassette
O = Other

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

AIHA, NELAC & WBE/DBE Certified

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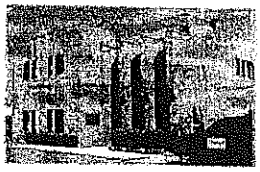
Sample Receipt Checklist



CLIENT NAME: AMC Environmental RECEIVED BY: JB DATE: 5/22/12

1) Was the chain(s) of custody relinquished and signed? (Yes) No No CoC Included

2) Does the chain agree with the samples? (Yes) No

If not, explain:

3) Are all the samples in good condition? (Yes) No

If not, explain:

4) How were the samples received:

On Ice ☑ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☑

Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/A

Temperature °C by Temp blank _____ Temperature °C by Temp gun 3.2°C

5) Are there Dissolved samples for the lab to filter? Yes (No)

Who was notified _____ Date _____ Time _____

6) Are there any RUSH or SHORT HOLDING TIME samples? (Yes) No

Who was notified _____ Date _____ Time _____

7) Location where samples are stored: 19

Permission to subcontract samples? Yes No
(Walk-In clients only) if not already approved
Client Signature: _____

8) Do all samples have the proper Acid pH: Yes No (N/A) _____

9) Do all samples have the proper Base pH: Yes No (N/A)

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic		Plastic Bag / Ziploc	
40 mL Vial - type listed below		PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	Stics. 7
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____

Bisulfate _____ # DI Water _____

Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

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June 7, 2012

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

Project Location: Osbourne Hill School
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 12F0069

Enclosed are results of analyses for samples received by the laboratory on June 4, 2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Worthington

Lisa A. Worthington
Project Manager

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

REPORT DATE: 6/7/2012

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12F0069

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

PROJECT LOCATION: Osbourne Hill School

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
PCB-Air-01	12F0069-01	Air	Hall O/S Gym	TO-10A/EPA 680 Modified	

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CASE NARRATIVE SUMMARY

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

TO-10A/EPA 680 Modified

Qualifications:

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:

Decachlorobiphenyl

12F0069-01[PCB-Air-01], B052815-BLK1, B052815-BS1, B052815-BSD1

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

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ANALYTICAL RESULTS

Project Location: Osbourne Hill School
Date Received: 6/4/2012
Field Sample #: PCB-Air-01
Sample ID: 12F0069-01
Sample Matrix: Air
Sampled: 6/2/2012 13:35

Sample Description/Location: Hall O/S Gym
Sub Description/Location:

Flow Controller ID:
Sample Type:
Air Volume L: 1240

Work Order: 12F0069

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00081	1	6/7/12 14:15	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00081	1	6/7/12 14:15	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00081	1	6/7/12 14:15	CJM
Tetrachlorobiphenyls	0.0025	0.0020		0.002	0.0016	1	6/7/12 14:15	CJM
Pentachlorobiphenyls	0.10	0.0020		0.083	0.0016	1	6/7/12 14:15	CJM
Hexachlorobiphenyls	0.25	0.0020		0.20	0.0016	1	6/7/12 14:15	CJM
Heptachlorobiphenyls	0.062	0.0030		0.050	0.0024	1	6/7/12 14:15	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0024	1	6/7/12 14:15	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.004	1	6/7/12 14:15	CJM
Decachlorobiphenyl	ND	0.0050	V-20	ND	0.004	1	6/7/12 14:15	CJM
Total Polychlorinated biphenyls	0.42			0.34		1	6/7/12 14:15	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	73.2	50-125	6/7/12 14:15

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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [Cartridge	Final [mL]	Date
12F0069-01 [PCB-Air-01]	B052815	1.00	1.00	06/05/12

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QUALITY CONTROL

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

Analyte	Total µg Results	RL	ug/m3 Results	RL	Spike Level Total µg	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch B052815 - SW-846 3540C											
Blank (B052815-BLK1)					Prepared: 06/05/12 Analyzed: 06/07/12						
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									V-20
Total Polychlorinated biphenyls	0.0										
Surrogate: Tetrachloro-m-xylene	*0.153*				*0.200*		*76.3*	*50-125*			
LCS (B052815-BS1)					Prepared: 06/05/12 Analyzed: 06/07/12						
Monochlorobiphenyls	0.14	0.0010			0.200		71.3	40-140			
Dichlorobiphenyls	0.16	0.0010			0.200		78.2	40-140			
Trichlorobiphenyls	0.16	0.0010			0.200		80.1	40-140			
Tetrachlorobiphenyls	0.32	0.0020			0.400		80.7	40-140			
Pentachlorobiphenyls	0.36	0.0020			0.400		90.0	40-140			
Hexachlorobiphenyls	0.36	0.0020			0.400		90.8	40-140			
Heptachlorobiphenyls	0.54	0.0030			0.600		89.5	40-140			
Octachlorobiphenyls	0.51	0.0030			0.600		85.6	40-140			
Nonachlorobiphenyls	1.1	0.0050			1.00		107	40-140			
Decachlorobiphenyl	1.3	0.0050			1.00		132	40-140			V-20
Surrogate: Tetrachloro-m-xylene	*0.185*				*0.200*		*92.4*	*50-125*			
LCS Dup (B052815-BSD1)					Prepared: 06/05/12 Analyzed: 06/07/12						
Monochlorobiphenyls	0.14	0.0010			0.200		70.0	40-140	1.81	50	
Dichlorobiphenyls	0.15	0.0010			0.200		76.3	40-140	2.46	50	
Trichlorobiphenyls	0.16	0.0010			0.200		77.6	40-140	3.14	50	
Tetrachlorobiphenyls	0.31	0.0020			0.400		78.5	40-140	2.71	50	
Pentachlorobiphenyls	0.35	0.0020			0.400		88.5	40-140	1.66	50	
Hexachlorobiphenyls	0.36	0.0020			0.400		89.2	40-140	1.81	50	
Heptachlorobiphenyls	0.53	0.0030			0.600		88.1	40-140	1.58	50	
Octachlorobiphenyls	0.51	0.0030			0.600		85.3	40-140	0.431	50	
Nonachlorobiphenyls	1.1	0.0050			1.00		107	40-140	0.758	50	
Decachlorobiphenyl	1.3	0.0050			1.00		132	40-140	0.427	50	V-20
Surrogate: Tetrachloro-m-xylene	*0.163*				*0.200*		*81.3*	*50-125*			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
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.

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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
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MA	Massachusetts DEP	M-MA100	06/30/2012
CT	Connecticut Department of Public 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	06/30/2012
FL	Florida Department of Health	E871027 NELAP	06/30/2012
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2012
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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Email: info@contestlabs.com
www.contestlabs.com
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EAST LONGMEADOW, MA 01028

AIR SAMPLE CHAIN OF CUSTODY RECORD

12F0069

Company Name: AMC Environmental, LLC
Address: P.O. Box 423
Stratford, CT 06615
Attention: Mr. Jason Pringle
Project Location: Osborne Hill School
Sampled By: Richard Onofrio/Jason Pringle
Telephone: (203) 378-5020
Project # ___
Client PO # ___

DATA DELIVERY (check one):
☐FAX ☑EMAIL ☐WEBSITE CLIENT
Fax # : ___
Email: results@amcenviro.com
Format: ☐EXCEL ☑PDF ☐GIS KEY ☐OTHER___

Proposal Provided? (For Billing purposes)
☐yes ___ proposal date

ANALYSIS REQUESTED

680 Homolog

Field ID	Sample Description	Media	Lab #	Start Date Time	Stop Date Time	Total Minutes Sampled	Flow Rate M³/Min. or L/Min.	Volume Liters or M³	Matrix Code*	Initial pressure " Hg	Final pressure " Hg	Lab Receipt pressure " Hg	Summa Canister ID	Flow Controller ID
PCB-Air-01	Hall o/s Gym	P	-01	9:27	1:35	248	5 L/M	1240L	IA	2				
PCB-Air-02		P												
PCB-Air-03		P												
PCB-Air-04		P												
PCB-Air-05		P												
PCB-Air-06		P												
PCB-Air-07		P												
PCB-Air-08		P												

Date Sampled — ONLY USE WHEN USING PUMPS

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

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

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

Laboratory Comments:

CLIENT COMMENTS:
Elementary School 6 - <12 yr = 300 ng/m3

Relinquished by: (signature)	Date/Time: 6/2/12	
Received by: (signature)	Date/Time: 6/4/12 10:30	
Relinquished by: (signature)	Date/Time: 6/4/12 405	
Received by: (signature) 4.1°C	Date/Time: 6/4/12 1700	

Turnaround **
☑ 7-Day
☐ 10-Day
☐ Other ___
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
*Approval Required

Special Requirements
Regulations: CT
Data Enhancement/RCP? ☐Y ☐N
Enhanced Data Package ☐Y ☐N
(Surchage Applies)
Required Detection Limits: 300 ng/m3
Other: ___

***Matrix Code:**
SG= SOIL GAS
IA= INDOOR AIR
AMB=AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = other___

****Media Codes:**
S=summa can
T=tedlar bag
P=PUF
T=tube
F= filter
C=cassette
O = Other___

**TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

AIHA, NELAC & WBE/DBE Certified

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F: 413-525-6405
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Sample Receipt Checklist

CLIENT NAME: AMC Environmental RECEIVED BY: JB DATE: 6/4/12

1) Was the chain(s) of custody relinquished and signed? (Yes) No No CoC Included

2) Does the chain agree with the samples? (Yes) No

If not, explain:

3) Are all the samples in good condition? (Yes) No

If not, explain:

4) How were the samples received:

On Ice [✓] Direct from Sampling [ ] Ambient [ ] In Cooler(s) [✓]

Were the samples received in Temperature Compliance of (2-6°C)? (Yes) No N/A

Temperature °C by Temp blank _____ Temperature °C by Temp gun 4.1 gc

5) Are there Dissolved samples for the lab to filter? Yes (No)

Who was notified _____ Date _____ Time _____

6) Are there any RUSH or SHORT HOLDING TIME samples? Yes (No)

Who was notified _____ Date _____ Time _____

7) Location where samples are stored: 19

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature:

8) Do all samples have the proper Acid pH: Yes No (N/A)

9) Do all samples have the proper Base pH: Yes No (N/A)

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic		Plastic Bag / Ziploc	
40 mL Vial - type listed below		PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	1
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____

Bisulfate _____ # DI Water _____

Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Laboratory Results – PCB Wipe Samples

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June 5, 2012

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

Project Location: Osborne Hill School
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 12E1021

Enclosed are results of analyses for samples received by the laboratory on May 29, 2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Worthington

Lisa A. Worthington
Project Manager

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

REPORT DATE: 6/5/2012

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12E1021

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

PROJECT LOCATION: Osborne Hill School

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
PCB-Wipe-01	12E1021-01	Wipe	Hall Floor O/S Gym	SW-846 8082A	
PCB-Wipe-02	12E1021-02	Wipe	Hall Floor O/S Gym	SW-846 8082A	
PCB-Wipe-03	12E1021-03	Wipe	Hall O/S Gym Wind. Sill	SW-846 8082A	
PCB-Wipe-04	12E1021-04	Wipe	Rm 116-Floor	SW-846 8082A	
PCB-Wipe-05	12E1021-05	Wipe	RM 116 Wind. Sill	SW-846 8082A	

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CASE NARRATIVE SUMMARY

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

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

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Project Location: Osborne Hill School | Sample Description: Hall Floor O/S Gym | Work Order: 12E1021

Date Received: 5/29/2012

Field Sample #: PCB-Wipe-01 | Sampled: 5/26/2012 09:30

Sample ID: 12E1021-01

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet 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	5/29/12	5/31/12 15:54	MJC
Aroclor-1221 [1]	ND	0.40	µg/Wipe	2		SW-846 8082A	5/29/12	5/31/12 15:54	MJC
Aroclor-1232 [1]	ND	0.40	µg/Wipe	2		SW-846 8082A	5/29/12	5/31/12 15:54	MJC
Aroclor-1242 [1]	ND	0.40	µg/Wipe	2		SW-846 8082A	5/29/12	5/31/12 15:54	MJC
Aroclor-1248 [1]	ND	0.40	µg/Wipe	2		SW-846 8082A	5/29/12	5/31/12 15:54	MJC
Aroclor-1254 [1]	3.2	0.40	µg/Wipe	2		SW-846 8082A	5/29/12	5/31/12 15:54	MJC
Aroclor-1260 [1]	ND	0.40	µg/Wipe	2		SW-846 8082A	5/29/12	5/31/12 15:54	MJC
Aroclor-1262 [1]	ND	0.40	µg/Wipe	2		SW-846 8082A	5/29/12	5/31/12 15:54	MJC
Aroclor-1268 [1]	ND	0.40	µg/Wipe	2		SW-846 8082A	5/29/12	5/31/12 15:54	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	90.6	30-150		5/31/12 15:54
Decachlorobiphenyl [2]	90.6	30-150		5/31/12 15:54
Tetrachloro-m-xylene [1]	94.6	30-150		5/31/12 15:54
Tetrachloro-m-xylene [2]	98.4	30-150		5/31/12 15:54

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Project Location: Osborne Hill School | Sample Description: Hall Floor O/S Gym | Work Order: 12E1021

Date Received: 5/29/2012

Field Sample #: PCB-Wipe-02 | Sampled: 5/26/2012 09:30

Sample ID: 12E1021-02

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet 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	5/29/12	5/31/12 16:07	MJC
Aroclor-1221 [1]	ND	1.0	µg/Wipe	5		SW-846 8082A	5/29/12	5/31/12 16:07	MJC
Aroclor-1232 [1]	ND	1.0	µg/Wipe	5		SW-846 8082A	5/29/12	5/31/12 16:07	MJC
Aroclor-1242 [1]	ND	1.0	µg/Wipe	5		SW-846 8082A	5/29/12	5/31/12 16:07	MJC
Aroclor-1248 [1]	ND	1.0	µg/Wipe	5		SW-846 8082A	5/29/12	5/31/12 16:07	MJC
Aroclor-1254 [2]	4.3	1.0	µg/Wipe	5		SW-846 8082A	5/29/12	5/31/12 16:07	MJC
Aroclor-1260 [1]	ND	1.0	µg/Wipe	5		SW-846 8082A	5/29/12	5/31/12 16:07	MJC
Aroclor-1262 [1]	ND	1.0	µg/Wipe	5		SW-846 8082A	5/29/12	5/31/12 16:07	MJC
Aroclor-1268 [1]	ND	1.0	µg/Wipe	5		SW-846 8082A	5/29/12	5/31/12 16:07	MJC

Surrogates	% Recovery	Recovery Limits	Flag		
Decachlorobiphenyl [1]	83.7	30-150			5/31/12 16:07
Decachlorobiphenyl [2]	84.6	30-150			5/31/12 16:07
Tetrachloro-m-xylene [1]	84.8	30-150			5/31/12 16:07
Tetrachloro-m-xylene [2]	88.7	30-150			5/31/12 16:07

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Project Location: Osborne Hill School
Sample Description: Half O/S Gym Wind. Sill
Work Order: 12E1021

Date Received: 5/29/2012

Field Sample #: PCB-Wipe-03
Sampled: 5/26/2012 09:45

Sample ID: 12E1021-03

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet 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	5/29/12	5/31/12 16:20	MJC
Aroclor-1221 [1]	ND	0.40	µg/Wipe	2		SW-846 8082A	5/29/12	5/31/12 16:20	MJC
Aroclor-1232 [1]	ND	0.40	µg/Wipe	2		SW-846 8082A	5/29/12	5/31/12 16:20	MJC
Aroclor-1242 [1]	ND	0.40	µg/Wipe	2		SW-846 8082A	5/29/12	5/31/12 16:20	MJC
Aroclor-1248 [1]	ND	0.40	µg/Wipe	2		SW-846 8082A	5/29/12	5/31/12 16:20	MJC
Aroclor-1254 [2]	3.2	0.40	µg/Wipe	2		SW-846 8082A	5/29/12	5/31/12 16:20	MJC
Aroclor-1260 [1]	ND	0.40	µg/Wipe	2		SW-846 8082A	5/29/12	5/31/12 16:20	MJC
Aroclor-1262 [1]	ND	0.40	µg/Wipe	2		SW-846 8082A	5/29/12	5/31/12 16:20	MJC
Aroclor-1268 [1]	ND	0.40	µg/Wipe	2		SW-846 8082A	5/29/12	5/31/12 16:20	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	88.6	30-150		5/31/12 16:20
Decachlorobiphenyl [2]	88.7	30-150		5/31/12 16:20
Tetrachloro-m-xylene [1]	88.3	30-150		5/31/12 16:20
Tetrachloro-m-xylene [2]	91.9	30-150		5/31/12 16:20

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Project Location: Osborne Hill School | Sample Description: Rm 116-Floor | Work Order: 12E1021

Date Received: 5/29/2012

Field Sample #: PCB-Wipe-04 | Sampled: 5/26/2012 09:45

Sample ID: 12E1021-04

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet 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	5/29/12	5/30/12 17:46	MJC
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	5/29/12	5/30/12 17:46	MJC
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	5/29/12	5/30/12 17:46	MJC
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	5/29/12	5/30/12 17:46	MJC
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	5/29/12	5/30/12 17:46	MJC
Aroclor-1254 [2]	0.23	0.20	µg/Wipe	1		SW-846 8082A	5/29/12	5/30/12 17:46	MJC
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	5/29/12	5/30/12 17:46	MJC
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	5/29/12	5/30/12 17:46	MJC
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	5/29/12	5/30/12 17:46	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	92.8	30-150		5/30/12 17:46
Decachlorobiphenyl [2]	73.5	30-150		5/30/12 17:46
Tetrachloro-m-xylene [1]	70.2	30-150		5/30/12 17:46
Tetrachloro-m-xylene [2]	70.9	30-150		5/30/12 17:46

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Project Location: Osborne Hill School | Sample Description: RM 116 Wind. Sill | Work Order: 12E1021

Date Received: 5/29/2012

Field Sample #: PCB-Wipe-05 | Sampled: 5/26/2012 09:45

Sample ID: 12E1021-05

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet 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	5/29/12	5/30/12 18:00	MJC
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	5/29/12	5/30/12 18:00	MJC
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	5/29/12	5/30/12 18:00	MJC
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	5/29/12	5/30/12 18:00	MJC
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	5/29/12	5/30/12 18:00	MJC
Aroclor-1254 [1]	0.74	0.20	µg/Wipe	1		SW-846 8082A	5/29/12	5/30/12 18:00	MJC
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	5/29/12	5/30/12 18:00	MJC
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	5/29/12	5/30/12 18:00	MJC
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	5/29/12	5/30/12 18:00	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	99.0	30-150		5/30/12 18:00
Decachlorobiphenyl [2]	79.4	30-150		5/30/12 18:00
Tetrachloro-m-xylene [1]	78.2	30-150		5/30/12 18:00
Tetrachloro-m-xylene [2]	78.1	30-150		5/30/12 18:00

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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
12E1021-01 [PCB-Wipe-01]	B052395	1.00	10.0	05/29/12
12E1021-02 [PCB-Wipe-02]	B052395	1.00	10.0	05/29/12
12E1021-03 [PCB-Wipe-03]	B052395	1.00	10.0	05/29/12
12E1021-04 [PCB-Wipe-04]	B052395	1.00	10.0	05/29/12
12E1021-05 [PCB-Wipe-05]	B052395	1.00	10.0	05/29/12

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B052395 - SW-846 3540C										
Blank (B052395-BLK1)				Prepared: 05/29/12 Analyzed: 05/30/12						
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	*2.46*		µg/Wipe	2.00		123	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.90*		µg/Wipe	2.00		95.2	30-150			
Surrogate: Tetrachloro-m-xylene	*2.02*		µg/Wipe	2.00		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.07*		µg/Wipe	2.00		103	30-150			
LCS (B052395-BS1)				Prepared: 05/29/12 Analyzed: 05/30/12						
Aroclor-1016	0.52	0.20	µg/Wipe	0.500		104	40-140			
Aroclor-1016 [2C]	0.53	0.20	µg/Wipe	0.500		107	40-140			
Aroclor-1260	0.57	0.20	µg/Wipe	0.500		115	40-140			
Aroclor-1260 [2C]	0.57	0.20	µg/Wipe	0.500		115	40-140			
Surrogate: Decachlorobiphenyl	*2.45*		µg/Wipe	2.00		123	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.90*		µg/Wipe	2.00		94.8	30-150			
Surrogate: Tetrachloro-m-xylene	*1.99*		µg/Wipe	2.00		99.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.03*		µg/Wipe	2.00		102	30-150			
LCS Dup (B052395-BSD1)				Prepared: 05/29/12 Analyzed: 05/30/12						
Aroclor-1016	0.58	0.20	µg/Wipe	0.500		115	40-140	9.99	30	
Aroclor-1016 [2C]	0.59	0.20	µg/Wipe	0.500		118	40-140	9.51	30	
Aroclor-1260	0.59	0.20	µg/Wipe	0.500		118	40-140	2.64	30	
Aroclor-1260 [2C]	0.59	0.20	µg/Wipe	0.500		118	40-140	2.66	30	
Surrogate: Decachlorobiphenyl	*2.50*		µg/Wipe	2.00		125	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.94*		µg/Wipe	2.00		96.8	30-150			
Surrogate: Tetrachloro-m-xylene	*2.32*		µg/Wipe	2.00		116	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.38*		µg/Wipe	2.00		119	30-150			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

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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	06/30/2012
CT	Connecticut Department of Public 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	06/30/2012
FL	Florida Department of Health	E871027 NELAP	06/30/2012
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2012
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

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East Longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

12E1021

Page_____of_____

Company Name: AMC Environmental, LLC
Telephone: 203-378-5020
Address: P.O. Box 423
Stratford, CT 06615
Project #
Client PO#
Attention: Mr. Jason Pringle
Project Location: Osborne Hill School
Sampled By: Richard Onofrio/Jason Pringle

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

DATA DELIVERY (check all that apply)
○ FAX ◉ EMAIL ○ WEBSITE
Fax #
Email: results@amcenviro.com
Format: ◉ PDF ○ EXCEL ○ GIS
○ OTHER_____
○ "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	# of Containers	** Preservation	***Container Code
01	PCB-Wipe-01 / Hall 1st floor o/s Gym	5/26/12 9:30AM	same			O		1	H	G
02	02 / Hall Floor o/s Gym	↓						1	H	G
03	03 / Hall o/s Gym Wind. Sill	5/26/12 945						1	H	G
04	04 / Rm 116 - Floor	↓	↓					1	H	G
05	05 / Rm 116 - Wind Sill							1	H	G

ANALYSIS REQUESTED
Asbestos

Comments: 100cm² Sampling Area

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other

Dissolved Metals
○ Field Filtered
○ Lab to Filter

	Date/Time:
Relinquished by: (signature)	5/26/12
Received by: (signature) Paul Racuet 5/29/12	11:55
Relinquished by: (signature) Paul Racuet 5/29/12	15:30
Received by: (signature) 32°C 5/29/12	15:30

Turnaround ††
◉ 7-Day
☐ 10-Day
☐ Other ____
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut: <1 ppm
Other:

Is your project MCP or RCP ?
○ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA Certified
WBE/DBE Certified

†† TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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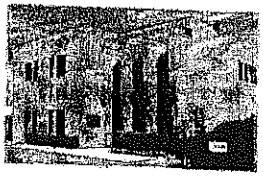

Sample Receipt Checklist

CLIENT NAME: AMC Enviromental RECEIVED BY: JB DATE: 5/29/12

1) Was the chain(s) of custody relinquished and signed? (Yes) No No CoC Included

2) Does the chain agree with the samples? (Yes) No
If not, explain:

3) Are all the samples in good condition? (Yes) No
If not, explain:

4) How were the samples received:
On Ice ☑ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☑

Were the samples received in Temperature Compliance of (2-6°C)? (Yes) No N/A

Temperature °C by Temp blank _____ Temperature °C by Temp gun 3.2 °C

5) Are there Dissolved samples for the lab to filter? Yes (No)
Who was notified _____ Date _____ Time _____

6) Are there any RUSH or SHORT HOLDING TIME samples? Yes (No)
Who was notified _____ Date _____ Time _____

7) Location where samples are stored: 19

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

8) Do all samples have the proper Acid pH: Yes No (N/A)

9) Do all samples have the proper Base pH: Yes No (N/A)

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	5
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic		Plastic Bag / Ziploc	
40 mL Vial - type listed below		PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____
Bisulfate _____ # DI Water _____
Thiosulfate _____ Unpreserved _____

Time and Date Frozen: