

Fairfield Public Schools
Fairfield, CT 06825

TO: Dr. David Title and Members of the Board of Education
FROM: Salvatore Morabito
DATE: October 1, 2013
RE: Missing Osborn Hill PCB Testing Reports from January 2013

This letter is to notify you that the Fairfield Public School District has received written reports of the testing for Polychlorinated Biphenyl (PCB) at Osborn Hill School. These reports are dated January 10, 2013 and January 14, 2013.

The January 10, 2013 report is a summary of testing conducted to categorize building materials for the upcoming window replacement/abatement project. The January 14, 2013 report is in regards to the testing conducted in the Library Media Center and Gymnasium Corridor area which was closed for additional remediation in the 2012/13 school year.

These reports issued in January 2013 were not posted to our website in error. I apologize for any confusion that this oversight may have caused.

The analytical results that were attached to these AMC Reports will be posted on the Fairfield Public Schools' website. The Central Office Administration and the Osborn Hill School Principal will keep PCB test reports on file per State regulations.

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: Meg Brown
Central Office Administration
Sands Cleary

OSBORN HILL ELEMENTARY SCHOOL

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Report Prepared for:

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ENVIRONMENTAL, LLC

January 10, 2013

This inspection report has been organized into the following sections:

Section 1: BACKGROUND SCOPE AND OBJECTIVES

This section includes the project introduction, building description, project scope, and project objectives.

Section 2: SITE CHARACTERIZATION

The Site Characterization section provides a summary of the sampling performed to delineate the nature and extent of presence and contamination of PCB in accordance with 40 CFR Part 761.61 (a) (3) (A-C). The section includes the identification of source materials, the nature of the contamination including types of materials, and a summary of procedures used to sample the contaminated materials.

Section 3: CONCLUSION & RECOMMENDATION SECTION

The conclusion and recommendation section provides a discussion of how the project objectives defined in Section 1.3 were met; the overall conclusions to the sampling data, and the necessary steps required moving forward with this project.

SECTION 1: BACKGROUND, SCOPE, AND OBJECTIVES

1.1 Introduction and Background

On October 2, 16 and 24, 2012, AMC Environmental conducted follow-up sampling at Osborn Hill Elementary School in Fairfield, CT. The initial sampling documented elevated levels of PCB in the caulk (see report dated April 25, 2012).

On March 22, 23 and 24, 2012 AMC Environmental was retained by the Fairfield Public Schools to conduct a pre-renovation hazardous materials inspection at Osborn Hill Elementary School in Fairfield. The purpose of the inspection was to properly identify and characterize potential environmental hazards that may be associated with the anticipated window replacement project. Included in this assessment were lead-based paint, asbestos and PCB testing. Interior and exterior window caulking and glazing was tested from each building era and window type. In some locations, a door system was incorporated with the window system. The caulking associated with these door systems was also tested. Materials were sorted into homogeneous groups. The preliminary data from the initial inspection documented that PCB's do exist in both the caulking and glazing on the interior and exterior of the building. Concentrations greater than and less than 50 ppm were identified. The report was issued in April 2012 which stated additional testing was required.

Moving forward, several additional site visits were made throughout the year in order to accurately characterize the site. During the course of the assessments, AMC collected limited air and wipe samples in the areas of the school that sample results identified the highest PCB concentrations in the window caulking and/or glazing. Both the air and wipes samples documented elevated levels of PCBs. As an immediate response, a clean-up effort was implemented which resulted in very little change in indoor conditions. This turned the focus of the sampling from the windows to other potential sources of PCB containing building materials in the school. Materials including but not limited to the paint on the interior block walls, a sealant on the stone tile floor in the hallways, dust in the schools ductwork, and several components within the school's gymnasium were identified as containing PCB concentrations to various degrees. These items were assessed and acknowledged in previously published reports to the Board of Education and will need to be incorporated into the cleanup and disposal plan.

This report is limited only to the window replacement project; however, all other variables will need to be considered when addressing the window systems.

1.2 Building Description and Project Scope

Osborn Hill Elementary School located in Fairfield, Connecticut is a single story; brick clad building of approximately forty-nine thousand, five hundred thirty-one (49,531) square feet. The original construction was completed in 1958 and additions were completed in 1969 and again in 1997 (see Building Era Diagram).

The three building eras of the facility are composed of six (6) distinct window types (see Window Type Diagram). Sampling was performed by categorizing the different window types and building construction dates into homogenous groups.

Once grouped, several representative sets of samples were taken of each homogeneous building material. Typically, a given window consisted of interior and/or exterior caulking around the window frame, as well as window glazing compound. All windows were factory “milled” painted and were of metal construction. The inspector documented the building materials to range in condition from poor to good. The interior substrates within the school consist of CMU block walls. The exterior substrate is clad with brick. Additionally, concrete columns were also present in certain locations.

The grounds around the school that were below the windows were also assessed and consisted of variable consistency including grass, soil, garden areas and pavement.

1.3 Project Objectives

The objective of this inspection is to properly characterize the building materials that may be impacted during the anticipated window replacement project. This includes the window and door caulking, glazing, surrounding substrates and soils throughout the interior and exterior of the school. AMC tested the materials for Lead, Asbestos and PCB. Sampling of the materials was organized by the date of the building construction. Window types within each distinct building date were also considered in effort to properly characterize homogenous materials present. The data provided in this document will assist in the development of the required PCB Remediation Plan as well as help provide information to aid in the development of monetary budgets to complete the anticipated work.

SECTION 2: SITE CHARACTERIZATION

This section provides a summary of the sampling performed to delineate the nature and extent of PCB presence as required and in accordance with 40 CFR Part 761.61 (a) (3) (A-C). The section also includes the nature of the contamination including types of materials, a summary of procedures used to sample contaminated materials, and the location and extent of the identified contaminated areas.

The site characterization of contaminated materials was performed by AMC Environmental, LLC of Bridgeport, Connecticut.

2.1 Sample Collection and Analysis

2.1.1 Source Sampling

An initial hazardous buildings inspection was performed on March 22, 23 and 24 of 2012 in response to a request from the Town of Fairfield School Systems. The purpose of the inspection was to identify potential hazardous materials that may be impacted during the anticipated window replacement project. Asbestos, lead, and PCB's were included in this assessment.

Sampling involved the removal of caulking and glazing using hand tools to collect representative bulk materials to determine PCB content. Tools utilized to collect samples were decontaminated between successive sampling using hexane to prevent cross contamination of samples. Each sample was placed in individual, sealed and labeled glass containers, and delivered to the laboratory under proper chain of custody.

During this preliminary inspection, a total of ten (10) bulk samples were collected from various locations throughout the school. Out of the ten (10) samples obtained, four (4) samples documented PCB concentration greater than or equal to 50 ppm. These areas where the samples were obtained from were found in the 1969 and 1958 section of the building. The window types were limited to type-5 and Type-M (Miscellaneous). Additionally, four (4) samples document PCB concentration <50 ppm. All four (4) samples were found in the 1958 section and were associated with type-1 window systems. All the remaining samples analyzed were reported as "None Detected" for PCB with Reporting Limit (RL) of the analytical method less than one (1) ppm.

Additional source material sampling was conducted on June 2, 2012 by AMC Environmental representative Richard Onofrio. A total of seventeen (17) bulk samples of caulking and glazing were collected for PCB analysis. Samples were collected from various locations both on the interior and exterior of the school.

Of the seventeen (17) samples collected, seven (7) samples documented PCB concentrations in excess of 50 ppm. The majority of the samples greater than 50 ppm were obtained from the type-5 window and door systems in the 1969 section of the school. In this area, PCB's were identified in the interior door frame caulk, interior window glazing compound and the exterior window frame caulk. Levels below 50 ppm were found present in the interior window frame caulk. However, due to the likeness of this material to the door frame caulk, the interior window caulk should be considered to be a regulated material.

In addition to the type-5 windows, two other samples were found to contain PCBs in excess of 50 ppm. The Type-M (Miscellaneous) window systems in the 1969 section of the building documented PCB containing exterior window frame caulk. Previous samples of these window systems determine that the interior and exterior window glazing is also a regulated material.

Lastly, one random sample obtained in the 1958 section of the building on a type 1 window system documents 88 ppm in the window caulking. This is not consistent with any other material collected in this homogeneous group. This may be attributed to mislabeling of the material or a lab error. Additional samples were obtained within this "area" and the results were consistent with the other Type 1 window systems within the 1958 section. Therefore, additional samples may be needed to consider this material to be non-regulated (<50 ppm), once a remediation plan is developed.

2.1.2 Substrate Sampling

On June 2, October 2 and 16 and December 8th of 2012, AMC Environmental, LLC (AMC) representatives, Richard Onofrio and Justin Proto collected samples of substrates for PCB analysis.

AMC Environmental conducted sampling of masonry in accordance with EPA "DRAFT" Standard Operating Procedure for Sampling Concrete in Field" (dated December 30, 1997). The sample location was prepared by first carefully removing the caulk (source material) using hand tools and then cleaning the surface using a wire brush, scrubbing the area with hexane, and rinsing the surface with water and hexane. The intent was to ensure complete removal of bulk source material prior to sampling adjacent porous substrates.

Samples were collected by using a mechanical drill to obtain enough substrate material for analysis. The sample collection tools were washed with soap and water then decontaminated using hexane between each sampling to avoid cross contamination.

Fifty-four (54) samples of substrate materials were collected to evaluate contamination due to leaching from the "source" materials. The substrate samples included interior and exterior brick and mortar, pre-cast concrete, and painted CMU block and CMU mortar.

Of the fifty-four (54) samples, twenty-nine (29) samples were collected at the source/substrate interface (0-0.5 inches) to a depth of one-half (1/2) inch. These samples were called "first course" of substrates. Sixteen (16) source samples documented PCB concentrations in excess of 1 ppm. The remaining thirteen (13) samples documented less than 1 ppm or none detected.

Five samples were obtained at 1" from the source substrate interface. All samples documented "None Detected" for PCB with Reporting Limit (RL) of the analytical method less than one (1) ppm; therefore, no additional sampling of subsequent courses was necessary at these locations at this time.

Twenty (20) core samples were collected on the follow up site visit on December 8, 2012. The core samples collected during this visit were at second course locations in both the interior and exterior of the school. Of the twenty (20) samples, two (2) samples contained concentrations that were greater than 1 ppm. The CMU mortar at the door frame located inside room 120 (type 5) documented levels above 1 but below 50 ppm. Also, the brick mortar above the window on the exterior of room 126 (type 5) contains PCB above 1 ppm but below 50 ppm.

2.1.3 Soil Sampling

AMC collected a total of twenty-two (22) composite exterior soil samples from seven (7) different areas at distances of eight (8) inches, sixteen (16) inches, twenty-four (24) inches, forty-eight inches and seventy-two (72) inches from the foundation walls. Follow-up soil sampling is needed wherever the initial sampling indicates greater than or equal to one (1) ppm PCB to further delineate the contamination. 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) sub-samples at the grid levels.

Five (5) composite soil samples from two (2) of the seven (7) areas were reported to have PCB concentrations in excess of one (1) ppm. Samples from the other five (5) areas were either None Detected (ND) or <1 ppm for PCB.

2.1.4 Sample Analysis

All samples collected were transmitted to Con-Test Laboratories, Inc. of East Longmeadow, MA. The analytical method for analysis included Soxhlet extraction method 3540C and analysis method SW846 8082A.

2.2 Interpretation of Results

2.2.1 Source Samples

During the bulk sampling assessment of the window caulk and glazing throughout the school, fifty-seven (57) samples were collected in total. Of the fifty-seven (57) samples analyzed, eleven (11) samples documented PCB concentrations in excess of fifty (50) ppm. Fourteen (14) of the samples documented PCB concentrations greater than 1 ppm but less than 50 ppm. Three samples documented less than 1 ppm or none detected.

The results of the initial source materials sampled from April 9, 2012 are presented below:

Table 2.2.1 (a)

Sample Number	Component	Building Date	Window Type	Location	Result in mg/Kg
March 24, 2012					
Initial Bulk Sampling					
3-24/PCB-01	Window frame caulk	1958	2	Façade D – Exterior	ND
3-24/PCB-02	Window frame caulk	1958	1	Façade C – Exterior	1.6
3-24/PCB-03	Window glazing compound (original)	1958	M	Façade B – Exterior	580
3-24/PCB-04	Window frame caulk (original)	1958	1	Façade C – Exterior	ND
3-24/PCB-05	Window frame caulk	1969	5	Façade C – Exterior	6,900
3-24/PCB-06	Window glazing compound (composite)	1958	1	Rooms 101 & 105 – Interior	2.6
3-24/PCB-07	Window glazing compound	1969	M	Gym Hall – Interior	94
3-24/PCB-08	Window frame caulk	1958	1	Room 112 – Interior	9.6
3-24/PCB-09	Window glazing compound	1958	1	Room 112 – Interior	4.4
3-24/PCB-10	Window glazing compound	1969	5	Room 116 – Interior	710

The results of the follow-up source materials PCB analyses are presented below:

Table 2.2.1 (b)

Sample Number	Component	Building Date	Window Type	Location	Results in mg/Kg
June 2, 2012					
Follow-Up Bulk Sampling					
6-2/PCB-01	Window frame caulk	1958	1	Room 101 – Interior	88
6-2/PCB-02	Window frame caulk	1958	1	Room 104 – Interior	5.6
6-2/PCB-03	Window frame caulk	1958	1	Room 105 – Interior	4.6
6-2/PCB-04	Window frame caulk	1958	2	Room 105 – Interior	4.8
6-2/PCB-05	Windowsill caulk	1997	3	Room 107 – Interior	6.4
6-2/PCB-06	Window frame caulk & door	1997	3	Room 111 – Interior	7.2

Table 2.2.1 (b) – continued

Sample Number	Component	Building Date	Window Type	Location	Results in mg/Kg
June 2, 2012					
Follow-Up Bulk Sampling (continued)					
6-2/PCB-07	<i>Door frame caulk</i>	1969	5	<i>Room 116 – Interior</i>	190
6-2/PCB-08	<i>Window glazing compound</i>	1969	5	<i>Room 118 – Interior</i>	2,300
6-2/PCB-09	Window frame caulk	1958	5	Room 125 – Interior	20
6-2/PCB-10	Window frame caulk	1958	1	o/s Room 103 – Exterior	ND
6-2/PCB-11	Window frame caulk	1958	2	o/s Room 105 – Exterior	0.95
6-2/PCB-12	Window frame caulk	1958	1	o/s Room 106 – Exterior	5.0
6-2/PCB-13	<i>Window frame caulk</i>	1969	5	<i>o/s Room 117 – Exterior</i>	19,000
6-2/PCB-14	<i>Window frame caulk</i>	1969	M	<i>o/s Gym Hall – Exterior</i>	230
6-2/PCB-15	<i>Window frame caulk</i>	1969	5	<i>o/s Room 117 – Exterior</i>	1,700
6-2/PCB-16	<i>Window frame caulk</i>	1969	5	<i>o/s Room 123 – Exterior</i>	3,700
6-2/PCB-17	Window frame caulk – bottom layer	1969	5	o/s Room 123 – Exterior	31
July 16, 2012					
Follow-Up Bulk Sampling					
7-16/PCB-01	Expansion joint caulk	1997	1	Room 107 – Interior	11
7-16/PCB-02	Window sill caulk	1997	1	Room 107 – Interior	12
7-16/PCB-03	Caulk on I-Beam/block wall junction	1958	1	Room 101 & 110 composite – Interior	6.9
7-16/PCB-04	Window sill caulk	1958	1	Room 112 – Interior	40
7-16/PCB-05	Door frame caulk	1969	5	Room 116 – Interior	13
7-16/PCB-06	Expansion joint caulk	1969	5	Room 118 – Interior	6.3
October 2, 2012					
Follow-Up Bulk Sampling					
1002/PCB-5-1	Window frame caulk	1969	5	Room 116 & 118 – Interior	7.2
1002/PCB-5-2	Door frame caulk	1969	5	Room 116 & 118 – Interior	28

→ **Indicates samples documented to be asbestos-containing materials.**

2.2.2 Substrate Samples

2.2.2.1 First Course (At Caulk Line)

Of the fifty-four (54) total substrate samples collected, twenty-nine (29) samples were collected at the source/substrate interface (0-0.5 inches) to a depth of one-half (1/2) inch. These samples can also be referred to as “first course” substrates. Sixteen (16) source samples documented PCB concentrations in excess of 1 ppm. The remaining thirteen (13) samples documented less than 1 ppm or none detected. Results are summarized in the table below.

Table 2.2.2.1

Sample Number	Component	Building Era	Window Type	Location	Result in mg/Kg
6-2/SUB-01	Window frame caulk – CMU	1958	1	Room 104 – Interior	0.31
6-2/SUB-02	Window frame caulk – CMU	1958	1	Room 105 – Interior	ND
6-2/SUB-03	Window frame caulk – CMU	1958	1	Room 106 – Interior	ND
6-2/SUB-04	Window frame caulk – CMU	1958	1	Room 112 – Interior	0.29
6-2/SUB-05	Window frame caulk – CMU	1958	1	Room 125 – Interior	0.28
6-2/SUB-06	Window frame caulk – Brick	1958	1	o/s Room 104 – Exterior	ND
6-2/SUB-07	Window frame caulk – Brick	1958	2	o/s Room 105 – Exterior	ND
6-2/SUB-08	Window frame caulk – Brick	1958	1	o/s Room 106 – Exterior	ND
6-2/SUB-09	Window frame caulk – Brick	1958	1	o/s Room 115 – Exterior	ND
6-2/SUB-10	Window frame caulk – Brick	1969	5	o/s Room 120 – Exterior	140
6-2/SUB-11	Window frame caulk – Brick	1969	5	o/s Room 123 – Exterior	220
10-2SUB-01-1	CMU-source	1969	5	Room 116 – Interior	3.1
10-2SUB-01-2	CMU-source	1969	5	Room 118 – Interior	2.4
10-2SUB-01-3	CMU-source	1969	5	Room 120 – Interior	4.9
10-2SUB-02-1	CMUM – source	1969	5	Room 116 – Interior	2.7
10-2SUB-02-2	CMUM – source	1969	5	Room 118 – Interior	4.1
10-2SUB-02-3	CMUM – source	1969	5	Room 120 – Interior	2.7
10-2SUB-03-1	CMU-source	1969	5	Room 118 – Interior	3.1
10-2SUB-03-2	CMU-source	1969	5	Room 116 – Interior	2.7
10-2SUB-04-1	CMUM – source	1969	5	Room 118 - Interior	2.2
10-2SUB-04-2	CMUM – source	1969	5	Room 116 – Interior	1.3
10-16SUB05-1	Concrete column-source	1969	M	Façade C – Exterior o/s gym	340
10-16SUB05-2	Concrete column-source	1969	M	Façade C – Exterior o/s gym	0.36
10-16SUB09-1	Brick – source above header	1969	5	o/s room 120 – Exterior	0.28
10-16SUB09-2	Brick – source above header	1969	5	o/s room 123 – Exterior	0.78
10-16SUB09-3	Brick – source above header	1969	5	o/s room 116 – Exterior	0.30
10-16SUB10-1	Brick mortar – source at window header	1969	5	o/s room 120 – Exterior	3.9
10-16SUB10-2	Brick mortar – source at window header	1969	5	o/s room 123 - Exterior	4.0
10-16SUB10-3	Brick mortar – source at window header	1969	5	o/s room 116 – Exterior	4.4

2.2.2.2 Recessed Jamb (1")

In the locations where the windows were recessed into the walls of the building core samples were obtained from the jamb of the substrate at a distance of 1" from the source caulk before making a significant transition to the second course of the face of the surface. In the areas where the CMU was located on the interior of the building five (5) samples were obtained from the interior 1" inch

mark from within the school. Of the five (5) samples, no (0) samples were documented to have PCB concentrations in excess of one (1) ppm at these locations. Note that substrate sampling during this time was limited to select locations. Results are summarized in the table below.

Table 2.2.2.2

Sample Number	Component	Building Era	Window Type	Location	Result in mg/Kg
10-16SUB06-1	Brick – 1"	1969	M	Façade C – Exterior o/s gym	ND
10-16SUB07-1	Brick Mortar – 1" above window lintel	1969	M	Façade C – Exterior o/s gym	0.21
10-16SUB08-1	Concrete column face (1")	1969	5	o/s Room 120 – Exterior	0.47
10-16SUB08-2	Concrete column face (1")	1969	5	o/s Room 123 – Exterior	0.17
10-16SUB08-3	Concrete column face (1")	1969	5	o/s Room 116 – Exterior	0.20

2.2.2.3 Second Course (At First Mortar Line)

Second course core samples were obtained from the brick and brick mortar associated with the type five windows that previous core samples documented PCB concentrations greater than 1 ppm.

Of the twenty (20) samples, two (2) samples contained concentrations that were greater than 1 ppm. The CMU mortar at the door frame located inside room 120 (type 5) documented levels above 1 but below 50 ppm. Also, the brick mortar above the window on the exterior of room 120 (type 5) contains PCB above 1 ppm but below 50 ppm. Another round of sampling is required to accurately delineate the extent of PCB migration into the substrate. Results are summarized in the table below.

Table 2.2.2.3

Sample Number	Component	Building Era	Window Type	Location	Result in mg/Kg
12-8SUB01-1	CMU – 2 nd course at window	1969	5	Room 116 – Interior	0.46
12-8SUB01-2	CMU – 2 nd course at window	1969	5	Room 118 – Interior	0.47
12-8SUB01-3	CMU – 2 nd course at window	1969	5	Room 120 – Interior	0.42
12-8SUB02-1	CMUM 2 nd course at window	1969	5	Room 116 – Interior	0.35
12-8SUB02-2	CMUM 2 nd course at window	1969	5	Room 118 – Interior	0.75
12-8SUB02-3	CMUM 2 nd course at window	1969	5	Room 120 – Interior	0.40
12-8SUB03-1	CMU – 2 nd course at door	1969	5	Room 116 – Interior	0.28
12-8SUB03-2	CMU – 2 nd course at door	1969	5	Room 118 – Interior	0.21
12-8SUB03-3	CMU – 2 nd course at door	1969	5	Room 120 – Interior	0.42
12-8SUB04-1	CMUM 2 nd course at door	1969	5	Room 116 – Interior	0.39
12-8SUB04-2	CMUM 2 nd course at door	1969	5	Room 118 – Interior	0.47

Table 2.2.2.3 – continued

Sample Number	Component	Building Era	Window Type	Location	Result in mg/Kg
12-8SUB04-3	CMUM 2nd course at door	1969	5	Room 120 – Interior	1.4
12-8SUB05-1	Brick at top of window – 2 nd course	1969	5	O/S Room 120 – Exterior	ND
12-8SUB05-2	Brick at top of window – 2 nd course	1969	5	O/S Room 123 – Exterior	ND
12-8SUB05-3	Brick at top of window – 2 nd course	1969	5	O/S Room 116 – Exterior	ND
12-8SUB06-1	Brick Mortar – 2nd course	1969	5	O/S Room 120 – Exterior	1.8
12-8SUB06-2	Brick Mortar – 2 nd course	1969	5	O/S Room 123 – Exterior	0.13
12-8SUB06-3	Brick Mortar – 2 nd course	1969	5	O/S Room 116 – Exterior	ND
12-8SUB07-1	CMU – 2 nd course at door	1969	5	Room 120 – Interior	0.19
12-8SUB08-1	CMUM 2 nd course at door	1969	5	Room 120 – Interior	0.38

2.2.5 Composite Soil Samples

AMC collected a total of twenty-two (22) composite exterior soil samples from seven (7) different areas at distances of eight (8) inches, sixteen (16) inches, twenty-four (24) inches, from the foundation walls. Follow-up soil sampling is needed wherever the initial sampling indicates greater than or equal to one (1) ppm PCB to further delineate the contamination. Results indicate that low levels of PCB's are present within the soil from areas around the school.

Five (5) composite soil samples from two (2) of the seven (7) areas were reported to have PCB concentrations in excess of one (1) ppm. Samples from the other five (5) areas were either None Detected (ND) or <1 ppm for PCB. In response to the elevated samples, additional soil was collected from further distances (48" and 72") and depths to confirm the extent of contamination. The results are summarized in the table below:

Table 2.2.5

Sample Number	Component	Building Era	Window Type	Location	Result in mg/Kg
10-24Soil001-1	Composite – 8"	1969	5	O/S Room 122	2.0
10-24Soil002-1	Composite – 16"	1969	5	O/S Room 122	1.6
10-24Soil003-1	Composite – 24"	1969	5	O/S Room 122	0.70
10-24Soil001-2	Composite – 8"	1969	5	O/S Room 123 & 124	5.9
10-24Soil002-2	Composite – 16"	1969	5	O/S Room 123 & 124	5.9
10-24Soil004	Composite – 24"	1969	5	O/S Room 123 & 124	6.1
10-24Soil005-1	Composite – in planter		5	At Planter	ND
10-24Soil006-1	Composite – 16"	1969	1	O/S Room 125	ND
10-24Soil007-1	Composite – 24"	1969	1	O/S Room 125	ND

Table 2.2.5 – continued

Sample Number	Component	Building Era	Window Type	Location	Result in mg/Kg
10-24SoilO05-2	Composite – 8"	1958	1	O/S Room 101, 102, 103	ND
10-24SoilO06-2	Composite – 16"	1958	1	O/S Room 101, 102, 103	0.12
10-24SoilO07-2	Composite – 24"	1958	1	O/S Room 101, 102, 103	ND
10-24SoilO05-3	Composite – 8"	1958	1	O/S Room 104 & 105	ND
10-24SoilO06-3	Composite – 16"	1958	1	O/S Room 104 & 105	0.16
10-24SoilO07-3	Composite – 24"	1958	1	O/S Room 104 & 105	ND
10-24SoilO08-1	Composite – 8"	1958	1	O/S Office	ND
10-24SoilO09-1	Composite – 16"	1958	1	O/S Office	0.37
10-24SoilO10-1	Composite – 24"	1958	1	O/S Office	ND
10-24SoilO08-2	Composite – 8"	1958	1	O/S V.P. & Principals	0.23
10-24SoilO09-2	Composite – 16"	1958	1	O/S V.P. & Principals	0.19
10-24SoilO10-2	Composite – 24"	1958	1	O/S V.P. & Principals	0.21
10-8Soil-01-1	Composite – 48"	1969	5	O/S Room 122	0.50
10-8Soil-01-2	Composite – 48"	1969	5	O/S Room 123 & 124	0.81
10-8Soil-02-1	Composite – 72"	1969	5	O/S Room 122	0.24
10-8Soil-02-2	Composite – 72"	1969	5	O/S Room 123 & 124	0.34

SECTION 3: CONCLUSION AND RECOMMENDATIONS

3.1 Conclusion

During the course of the hazardous materials inspection at Osborn Hill School located in Fairfield, Connecticut, several bulk samples obtained from the window systems have illustrated variable concentrations of PCBs in the window and door caulking and window glazing on both the interior and exterior of the school. During several site visits, sample analysis demonstrate that certain areas of the school document elevated levels of PCB in the caulking and glazing, which then warranted additional testing of the surrounding substrates and soils from around the identified elevated areas. Data from this sampling clearly identifies the highest concentrations of PCB containing caulking and glazing to be present in the type five window systems in the 1969 section of the building. Efforts focused primarily around these window systems, however all building eras and window types were sufficiently sampled and characterized.

Caulking in excess of 19,000 ppm was identified on the exterior of FAC C and D in the 1969 wing in one sample collected. These were the Type-5 window systems. Additionally on the interior of the T-5 windows, caulking was found to contain concentrations between 100 and 200 ppm. Glazing was also identified in some cases that exceeded 2,300 ppm. Other areas of the school were characterized as containing lower levels of PCB glazing and caulking that may be able to be characterized as an excluded waste (< 50 ppm). In cases such as these, the material may not be subject to TSCA regulation however additional testing may be warranted by the EPA in order to fully exempt these materials from TSCA classification.

Core Substrate samples were collected from areas where any detectable amount of PCB (>1 ppm) was identified on a window system within the school. In certain cases, multiple core samples were required due to a degree of leaching into the surrounding porous substrate in which the material (caulking) was adhered to. Examples of the substrates tested include brick and brick mortar, CMU and CMU mortar, as well as pre-cast concrete where applicable. The results indicate that the leaching was primarily isolated to the section of the building where the highest concentrations of caulking were found which was the 1969 section of the building that was associated with type 5 window systems.

Composite soil samples were also collected from areas that showed concentrations of PCBs greater than 1 ppm. Samples were obtained from the 8", 16", 24", 48" and 72" from the base of the schools foundations. Results indicate that low levels of PCB's are present within the soil from areas around the school. To be considered clean, soil must be removed until concentrations are below 1 ppm. This assessment has effectively determined the boundary of contamination. Factors to consider however include the variations in the depth of contamination. Once removed to a certain depth, lab analysis will determine if additional remediation of the soil is required.

A limited number of outliers do exist within the data collected and these areas may require additional sampling in order to fully grasp the parameters of the material. An example of this can be seen from the samples of window caulking obtained from room 101 in the 1958 section of the building associated with window type 1 that documented concentration of PCB at 88 ppm. Duplicate samples of this material were obtained from that section of the building which documented low levels of PCB <1ppm. This may be due to a number of factors including lab error, mislabeling etc. Also, two second course substrate samples in the 1969 section of the building (T-5) documented concentrations slightly over 1 ppm. Therefore, a final round of testing is needed. AMC will obtain the samples and add an addendum reporting our findings.

Additionally, two bulk samples documented low levels of PCB (<50ppm) in caulking. The caulking was found to be present in a partially renovated classroom built in 1997. Because PCB's were not used in caulking during this period, the accuracy of these findings comes into question. The materials documented in room 107 will be re-sampled accordingly and included in the updated addendum.

The data in this report shall serve as a resource to aid in the development of a PCB Remediation plan as well as help put into perspective the necessary steps to properly budget the remediation requirements and costs associated with it.

All caulking and glazing that contains PCB's in excess of 50 ppm will be required to be removed and disposed of in its entirety during the window project and will be considered to be a bulk product waste. Any caulking or glazing that is clearly less than 50 ppm but greater than 1 ppm will be considered to be an excluded waste. All contaminated substrates greater than 1 ppm of PCB will be required to be removed or encapsulated and will be considered to be a remediation waste. Any soils which have been identified as containing greater than 1 ppm of PCBs will be required to be removed and disposed of as a PCB remediation waste.

Asbestos was documented within some of the building materials (i.e. caulk) that

also contained PCBs. For materials also containing PCB concentrations >50 ppm, the waste will need to be disposed of as a mixed waste. For materials that contain <50 ppm PCB, the asbestos will supersede the disposal requirements for non-regulated PCBs.

Moving forward, a PCB Remediation Plan must be developed and may require submission to the United States Environmental Protection Agency (EPA) in Region 1 for approval. Cost estimates should start to be developed for this work; however a full approved plan will serve as the true scope of work and guidelines for this project. Other factors to consider for this project are the variety of other materials that contain PCB within the school that are not directly associated with the window replacement project. It may make sense to incorporate all PCB work into one plan to help reduce overall costs and work scheduling conflicts.

Report written by:

A handwritten signature in black ink that reads "Richard Onofrio". The signature is fluid and cursive, with "Richard" on top and "Onofrio" on the bottom, both starting with a capital letter.

Richard Onofrio
Environmental Consultant

LABORATORY RESULTS

PCB Bulk Sample Results

June 11, 2012

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

Project Location: Osbourne Hill School

Client Job Number:

Project Number: [none]

Laboratory Work Order Number: 12F0071

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 A. Worthington
Project Manager

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

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12F0071

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
6-2PCB-01	12F0071-01	Caulk	WFC Room 101	SW-846 8082A	
6-2PCB-02	12F0071-02	Caulk	WFC Room 104	SW-846 8082A	
6-2PCB-03	12F0071-03	Caulk	WFC Room 105	SW-846 8082A	
6-2PCB-04	12F0071-04	Caulk	WFC Room 105	SW-846 8082A	
6-2PCB-05	12F0071-05	Caulk	WFC Room 107	SW-846 8082A	
6-2PCB-06	12F0071-06	Caulk	WFC Room 111	SW-846 8082A	
6-2PCB-07	12F0071-07	Caulk	WFC Room 116	SW-846 8082A	
6-2PCB-08	12F0071-08	Caulk	Metal WGC Room Room 118	SW-846 8082A	
6-2PCB-10	12F0071-09	Caulk	WFC Exterior Fac A	SW-846 8082A	
6-2PCB-11	12F0071-10	Caulk	WFC Exterior Fac D	SW-846 8082A	
6-2PCB-12	12F0071-11	Caulk	WFC Exterior Fac C	SW-846 8082A	
6-2PCB-13	12F0071-12	Caulk	WFC Exterior Fac C	SW-846 8082A	
6-2PCB-14	12F0071-13	Caulk	WFC Exterior Fac B	SW-846 8082A	
6-2PCB-15	12F0071-14	Caulk	WFC Exterior Fac C	SW-846 8082A	
6-2PCB-16	12F0071-15	Caulk	WFC Exterior Fac A	SW-846 8082A	
6-2PCB-17	12F0071-16	Caulk	WFC Exterior Fac A	SW-846 8082A	
6-2PCB-09	12F0071-17	Caulk	WFC Room 125	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]

12F0071-01[6-2PCB-01], 12F0071-07[6-2PCB-07], 12F0071-08[6-2PCB-08], 12F0071-09[6-2PCB-10], 12F0071-13[6-2PCB-14], 12F0071-14[6-2PCB-15],
12F0071-15[6-2PCB-16], 12F0071-16[6-2PCB-17], 12F0071-17[6-2PCB-09]

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

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

Project Location: Osbourne Hill School

Sample Description: WFC Room 101

Work Order: 12F0071

Date Received: 6/4/2012

Field Sample #: 6-2PCB-01

Sampled: 6/2/2012 00:00

Sample ID: 12F0071-01

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.7	mg/Kg	50		SW-846 8082A	6/5/12	6/8/12 22:00	PJG
Aroclor-1221 [1]	ND	9.7	mg/Kg	50		SW-846 8082A	6/5/12	6/8/12 22:00	PJG
Aroclor-1232 [1]	ND	9.7	mg/Kg	50		SW-846 8082A	6/5/12	6/8/12 22:00	PJG
Aroclor-1242 [1]	ND	9.7	mg/Kg	50		SW-846 8082A	6/5/12	6/8/12 22:00	PJG
Aroclor-1248 [1]	ND	9.7	mg/Kg	50		SW-846 8082A	6/5/12	6/8/12 22:00	PJG
Aroclor-1254 [1]	88	9.7	mg/Kg	50		SW-846 8082A	6/5/12	6/8/12 22:00	PJG
Aroclor-1260 [1]	ND	9.7	mg/Kg	50		SW-846 8082A	6/5/12	6/8/12 22:00	PJG
Aroclor-1262 [1]	ND	9.7	mg/Kg	50		SW-846 8082A	6/5/12	6/8/12 22:00	PJG
Aroclor-1268 [1]	ND	9.7	mg/Kg	50		SW-846 8082A	6/5/12	6/8/12 22:00	PJG
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	*	30-150		S-01					6/8/12 22:00
Decachlorobiphenyl [2]	*	30-150		S-01					6/8/12 22:00
Tetrachloro-m-xylene [1]	*	30-150		S-01					6/8/12 22:00
Tetrachloro-m-xylene [2]	*	30-150		S-01					6/8/12 22:00

Project Location: Osbourne Hill School

Sample Description: WFC Room 104

Work Order: 12F0071

Date Received: 6/4/2012

Field Sample #: 6-2PCB-02

Sampled: 6/2/2012 00:00

Sample ID: 12F0071-02

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 22:13	PJG
Aroclor-1221 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 22:13	PJG
Aroclor-1232 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 22:13	PJG
Aroclor-1242 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 22:13	PJG
Aroclor-1248 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 22:13	PJG
Aroclor-1254 [1]	5.6	0.99	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 22:13	PJG
Aroclor-1260 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 22:13	PJG
Aroclor-1262 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 22:13	PJG
Aroclor-1268 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 22:13	PJG
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		71.5	30-150					6/8/12 22:13	
Decachlorobiphenyl [2]		75.2	30-150					6/8/12 22:13	
Tetrachloro-m-xylene [1]		121	30-150					6/8/12 22:13	
Tetrachloro-m-xylene [2]		136	30-150					6/8/12 22:13	

Project Location: Osbourne Hill School

Sample Description: WFC Room 105

Work Order: 12F0071

Date Received: 6/4/2012

Field Sample #: 6-2PCB-03

Sampled: 6/2/2012 00:00

Sample ID: 12F0071-03

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.94	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 22:26	PJG
Aroclor-1221 [1]	ND	0.94	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 22:26	PJG
Aroclor-1232 [1]	ND	0.94	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 22:26	PJG
Aroclor-1242 [1]	ND	0.94	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 22:26	PJG
Aroclor-1248 [1]	ND	0.94	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 22:26	PJG
Aroclor-1254 [2]	4.6	0.94	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 22:26	PJG
Aroclor-1260 [1]	ND	0.94	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 22:26	PJG
Aroclor-1262 [1]	ND	0.94	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 22:26	PJG
Aroclor-1268 [1]	ND	0.94	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 22:26	PJG
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		137	30-150					6/8/12 22:26	
Decachlorobiphenyl [2]		145	30-150					6/8/12 22:26	
Tetrachloro-m-xylene [1]		124	30-150					6/8/12 22:26	
Tetrachloro-m-xylene [2]		137	30-150					6/8/12 22:26	

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Project Location: Osbourne Hill School

Sample Description: WFC Room 105

Work Order: 12F0071

Date Received: 6/4/2012

Field Sample #: 6-2PCB-04

Sampled: 6/2/2012 00:00

Sample ID: 12F0071-04

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.88	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 22:39	PJG
Aroclor-1221 [1]	ND	0.88	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 22:39	PJG
Aroclor-1232 [1]	ND	0.88	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 22:39	PJG
Aroclor-1242 [1]	ND	0.88	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 22:39	PJG
Aroclor-1248 [1]	ND	0.88	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 22:39	PJG
Aroclor-1254 [1]	4.8	0.88	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 22:39	PJG
Aroclor-1260 [1]	ND	0.88	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 22:39	PJG
Aroclor-1262 [1]	ND	0.88	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 22:39	PJG
Aroclor-1268 [1]	ND	0.88	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 22:39	PJG
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	124	30-150						6/8/12 22:39	
Decachlorobiphenyl [2]	130	30-150						6/8/12 22:39	
Tetrachloro-m-xylene [1]	108	30-150						6/8/12 22:39	
Tetrachloro-m-xylene [2]	123	30-150						6/8/12 22:39	

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Project Location: Osbourne Hill School

Sample Description: WFC Room 107

Work Order: 12F0071

Date Received: 6/4/2012

Field Sample #: 6-2PCB-05

Sampled: 6/2/2012 00:00

Sample ID: 12F0071-05

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.90	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 22:52	PJG
Aroclor-1221 [1]	ND	0.90	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 22:52	PJG
Aroclor-1232 [1]	ND	0.90	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 22:52	PJG
Aroclor-1242 [1]	ND	0.90	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 22:52	PJG
Aroclor-1248 [1]	ND	0.90	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 22:52	PJG
Aroclor-1254 [1]	6.4	0.90	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 22:52	PJG
Aroclor-1260 [1]	ND	0.90	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 22:52	PJG
Aroclor-1262 [1]	ND	0.90	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 22:52	PJG
Aroclor-1268 [1]	ND	0.90	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 22:52	PJG
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	104	30-150							6/8/12 22:52
Decachlorobiphenyl [2]	109	30-150							6/8/12 22:52
Tetrachloro-m-xylene [1]	106	30-150							6/8/12 22:52
Tetrachloro-m-xylene [2]	119	30-150							6/8/12 22:52

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Project Location: Osbourne Hill School

Sample Description: WFC Room 111

Work Order: 12F0071

Date Received: 6/4/2012

Field Sample #: 6-2PCB-06

Sampled: 6/2/2012 00:00

Sample ID: 12F0071-06

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.98	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 23:05	PJG
Aroclor-1221 [1]	ND	0.98	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 23:05	PJG
Aroclor-1232 [1]	ND	0.98	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 23:05	PJG
Aroclor-1242 [1]	ND	0.98	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 23:05	PJG
Aroclor-1248 [1]	ND	0.98	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 23:05	PJG
Aroclor-1254 [2]	7.2	0.98	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 23:05	PJG
Aroclor-1260 [1]	ND	0.98	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 23:05	PJG
Aroclor-1262 [1]	ND	0.98	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 23:05	PJG
Aroclor-1268 [1]	ND	0.98	mg/Kg	5		SW-846 8082A	6/5/12	6/8/12 23:05	PJG
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	113	30-150							6/8/12 23:05
Decachlorobiphenyl [2]	118	30-150							6/8/12 23:05
Tetrachloro-m-xylene [1]	110	30-150							6/8/12 23:05
Tetrachloro-m-xylene [2]	127	30-150							6/8/12 23:05

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Project Location: Osbourne Hill School

Sample Description: WFC Room 116

Work Order: 12F0071

Date Received: 6/4/2012

Field Sample #: 6-2PCB-07

Sampled: 6/2/2012 00:00

Sample ID: 12F0071-07

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.5	mg/Kg	50		SW-846 8082A	6/5/12	6/8/12 23:18	PJG
Aroclor-1221 [1]	ND	9.5	mg/Kg	50		SW-846 8082A	6/5/12	6/8/12 23:18	PJG
Aroclor-1232 [1]	ND	9.5	mg/Kg	50		SW-846 8082A	6/5/12	6/8/12 23:18	PJG
Aroclor-1242 [1]	ND	9.5	mg/Kg	50		SW-846 8082A	6/5/12	6/8/12 23:18	PJG
Aroclor-1248 [1]	ND	9.5	mg/Kg	50		SW-846 8082A	6/5/12	6/8/12 23:18	PJG
Aroclor-1254 [1]	190	9.5	mg/Kg	50		SW-846 8082A	6/5/12	6/8/12 23:18	PJG
Aroclor-1260 [1]	ND	9.5	mg/Kg	50		SW-846 8082A	6/5/12	6/8/12 23:18	PJG
Aroclor-1262 [1]	ND	9.5	mg/Kg	50		SW-846 8082A	6/5/12	6/8/12 23:18	PJG
Aroclor-1268 [1]	ND	9.5	mg/Kg	50		SW-846 8082A	6/5/12	6/8/12 23:18	PJG
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	*	30-150		S-01					6/8/12 23:18
Decachlorobiphenyl [2]	*	30-150		S-01					6/8/12 23:18
Tetrachloro-m-xylene [1]	*	30-150		S-01					6/8/12 23:18
Tetrachloro-m-xylene [2]	*	30-150		S-01					6/8/12 23:18

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Project Location: Osbourne Hill School

Sample Description: Metal WGC Room Room 118

Work Order: 12F0071

Date Received: 6/4/2012

Sampled: 6/2/2012 00:00

Field Sample #: 6-2PCB-08

Sample ID: 12F0071-08

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	98	mg/Kg	500		SW-846 8082A	6/5/12	6/8/12 23:31	PJG
Aroclor-1221 [1]	ND	98	mg/Kg	500		SW-846 8082A	6/5/12	6/8/12 23:31	PJG
Aroclor-1232 [1]	ND	98	mg/Kg	500		SW-846 8082A	6/5/12	6/8/12 23:31	PJG
Aroclor-1242 [1]	ND	98	mg/Kg	500		SW-846 8082A	6/5/12	6/8/12 23:31	PJG
Aroclor-1248 [1]	ND	98	mg/Kg	500		SW-846 8082A	6/5/12	6/8/12 23:31	PJG
Aroclor-1254 [1]	2300	98	mg/Kg	500		SW-846 8082A	6/5/12	6/8/12 23:31	PJG
Aroclor-1260 [1]	ND	98	mg/Kg	500		SW-846 8082A	6/5/12	6/8/12 23:31	PJG
Aroclor-1262 [1]	ND	98	mg/Kg	500		SW-846 8082A	6/5/12	6/8/12 23:31	PJG
Aroclor-1268 [1]	ND	98	mg/Kg	500		SW-846 8082A	6/5/12	6/8/12 23:31	PJG
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	*	30-150			S-01				6/8/12 23:31
Decachlorobiphenyl [2]	*	30-150			S-01				6/8/12 23:31
Tetrachloro-m-xylene [1]	*	30-150			S-01				6/8/12 23:31
Tetrachloro-m-xylene [2]	*	30-150			S-01				6/8/12 23:31

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

Project Location: Osbourne Hill School

Sample Description: WFC Exterior Fac A

Work Order: 12F0071

Date Received: 6/4/2012

Field Sample #: 6-2PCB-10

Sampled: 6/2/2012 00:00

Sample ID: 12F0071-09

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	8.9	mg/Kg	50		SW-846 8082A	6/5/12	6/8/12 23:44	PJG
Aroclor-1221 [1]	ND	8.9	mg/Kg	50		SW-846 8082A	6/5/12	6/8/12 23:44	PJG
Aroclor-1232 [1]	ND	8.9	mg/Kg	50		SW-846 8082A	6/5/12	6/8/12 23:44	PJG
Aroclor-1242 [1]	ND	8.9	mg/Kg	50		SW-846 8082A	6/5/12	6/8/12 23:44	PJG
Aroclor-1248 [1]	ND	8.9	mg/Kg	50		SW-846 8082A	6/5/12	6/8/12 23:44	PJG
Aroclor-1254 [1]	20	8.9	mg/Kg	50		SW-846 8082A	6/5/12	6/8/12 23:44	PJG
Aroclor-1260 [1]	ND	8.9	mg/Kg	50		SW-846 8082A	6/5/12	6/8/12 23:44	PJG
Aroclor-1262 [1]	ND	8.9	mg/Kg	50		SW-846 8082A	6/5/12	6/8/12 23:44	PJG
Aroclor-1268 [1]	ND	8.9	mg/Kg	50		SW-846 8082A	6/5/12	6/8/12 23:44	PJG
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	*	30-150		S-01					6/8/12 23:44
Decachlorobiphenyl [2]	*	30-150		S-01					6/8/12 23:44
Tetrachloro-m-xylene [1]	*	30-150		S-01					6/8/12 23:44
Tetrachloro-m-xylene [2]	*	30-150		S-01					6/8/12 23:44

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

Project Location: Osbourne Hill School

Sample Description: WFC Exterior Fac D

Work Order: 12F0071

Date Received: 6/4/2012

Field Sample #: 6-2PCB-11

Sampled: 6/2/2012 00:00

Sample ID: 12F0071-10

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.90	mg/Kg	5		SW-846 8082A	6/5/12	6/9/12 6:37	PJG
Aroclor-1221 [1]	ND	0.90	mg/Kg	5		SW-846 8082A	6/5/12	6/9/12 6:37	PJG
Aroclor-1232 [1]	ND	0.90	mg/Kg	5		SW-846 8082A	6/5/12	6/9/12 6:37	PJG
Aroclor-1242 [1]	ND	0.90	mg/Kg	5		SW-846 8082A	6/5/12	6/9/12 6:37	PJG
Aroclor-1248 [1]	ND	0.90	mg/Kg	5		SW-846 8082A	6/5/12	6/9/12 6:37	PJG
Aroclor-1254 [1]	ND	0.90	mg/Kg	5		SW-846 8082A	6/5/12	6/9/12 6:37	PJG
Aroclor-1260 [1]	ND	0.90	mg/Kg	5		SW-846 8082A	6/5/12	6/9/12 6:37	PJG
Aroclor-1262 [1]	ND	0.90	mg/Kg	5		SW-846 8082A	6/5/12	6/9/12 6:37	PJG
Aroclor-1268 [1]	ND	0.90	mg/Kg	5		SW-846 8082A	6/5/12	6/9/12 6:37	PJG
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	118	30-150						6/9/12 6:37	
Decachlorobiphenyl [2]	117	30-150						6/9/12 6:37	
Tetrachloro-m-xylene [1]	102	30-150						6/9/12 6:37	
Tetrachloro-m-xylene [2]	119	30-150						6/9/12 6:37	

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

Project Location: Osbourne Hill School

Sample Description: WFC Exterior Fac C

Work Order: 12F0071

Date Received: 6/4/2012

Sampled: 6/2/2012 00:00

Field Sample #: 6-2PCB-12

Sample ID: 12F0071-11

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.92	mg/Kg	5		SW-846 8082A	6/5/12	6/9/12 0:10	PJG
Aroclor-1221 [1]	ND	0.92	mg/Kg	5		SW-846 8082A	6/5/12	6/9/12 0:10	PJG
Aroclor-1232 [1]	ND	0.92	mg/Kg	5		SW-846 8082A	6/5/12	6/9/12 0:10	PJG
Aroclor-1242 [1]	ND	0.92	mg/Kg	5		SW-846 8082A	6/5/12	6/9/12 0:10	PJG
Aroclor-1248 [1]	ND	0.92	mg/Kg	5		SW-846 8082A	6/5/12	6/9/12 0:10	PJG
Aroclor-1254 [1]	0.95	0.92	mg/Kg	5		SW-846 8082A	6/5/12	6/9/12 0:10	PJG
Aroclor-1260 [1]	ND	0.92	mg/Kg	5		SW-846 8082A	6/5/12	6/9/12 0:10	PJG
Aroclor-1262 [1]	ND	0.92	mg/Kg	5		SW-846 8082A	6/5/12	6/9/12 0:10	PJG
Aroclor-1268 [1]	ND	0.92	mg/Kg	5		SW-846 8082A	6/5/12	6/9/12 0:10	PJG
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	106	30-150						6/9/12 0:10	
Decachlorobiphenyl [2]	110	30-150						6/9/12 0:10	
Tetrachloro-m-xylene [1]	116	30-150						6/9/12 0:10	
Tetrachloro-m-xylene [2]	136	30-150						6/9/12 0:10	

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

Project Location: Osbourne Hill School

Sample Description: WFC Exterior Fac C

Work Order: 12F0071

Date Received: 6/4/2012

Field Sample #: 6-2PCB-13

Sampled: 6/2/2012 00:00

Sample ID: 12F0071-12

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.84	mg/Kg	5		SW-846 8082A	6/5/12	6/9/12 0:23	PJG
Aroclor-1221 [1]	ND	0.84	mg/Kg	5		SW-846 8082A	6/5/12	6/9/12 0:23	PJG
Aroclor-1232 [1]	ND	0.84	mg/Kg	5		SW-846 8082A	6/5/12	6/9/12 0:23	PJG
Aroclor-1242 [1]	ND	0.84	mg/Kg	5		SW-846 8082A	6/5/12	6/9/12 0:23	PJG
Aroclor-1248 [1]	ND	0.84	mg/Kg	5		SW-846 8082A	6/5/12	6/9/12 0:23	PJG
Aroclor-1254 [1]	5.0	0.84	mg/Kg	5		SW-846 8082A	6/5/12	6/9/12 0:23	PJG
Aroclor-1260 [1]	ND	0.84	mg/Kg	5		SW-846 8082A	6/5/12	6/9/12 0:23	PJG
Aroclor-1262 [1]	ND	0.84	mg/Kg	5		SW-846 8082A	6/5/12	6/9/12 0:23	PJG
Aroclor-1268 [1]	ND	0.84	mg/Kg	5		SW-846 8082A	6/5/12	6/9/12 0:23	PJG
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	114	30-150							6/9/12 0:23
Decachlorobiphenyl [2]	117	30-150							6/9/12 0:23
Tetrachloro-m-xylene [1]	117	30-150							6/9/12 0:23
Tetrachloro-m-xylene [2]	136	30-150							6/9/12 0:23

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

Project Location: Osbourne Hill School

Sample Description: WFC Exterior Fac B

Work Order: 12F0071

Date Received: 6/4/2012

Sampled: 6/2/2012 00:00

Field Sample #: 6-2PCB-14

Sample ID: 12F0071-13

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	890	mg/Kg	5000		SW-846 8082A	6/5/12	6/9/12 0:35	PJG
Aroclor-1221 [1]	ND	890	mg/Kg	5000		SW-846 8082A	6/5/12	6/9/12 0:35	PJG
Aroclor-1232 [1]	ND	890	mg/Kg	5000		SW-846 8082A	6/5/12	6/9/12 0:35	PJG
Aroclor-1242 [1]	ND	890	mg/Kg	5000		SW-846 8082A	6/5/12	6/9/12 0:35	PJG
Aroclor-1248 [1]	ND	890	mg/Kg	5000		SW-846 8082A	6/5/12	6/9/12 0:35	PJG
Aroclor-1254 [1]	19000	890	mg/Kg	5000		SW-846 8082A	6/5/12	6/9/12 0:35	PJG
Aroclor-1260 [1]	ND	890	mg/Kg	5000		SW-846 8082A	6/5/12	6/9/12 0:35	PJG
Aroclor-1262 [1]	ND	890	mg/Kg	5000		SW-846 8082A	6/5/12	6/9/12 0:35	PJG
Aroclor-1268 [1]	ND	890	mg/Kg	5000		SW-846 8082A	6/5/12	6/9/12 0:35	PJG
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	*	30-150		S-01					6/9/12 0:35
Decachlorobiphenyl [2]	*	30-150		S-01					6/9/12 0:35
Tetrachloro-m-xylene [1]	*	30-150		S-01					6/9/12 0:35
Tetrachloro-m-xylene [2]	*	30-150		S-01					6/9/12 0:35

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

Project Location: Osbourne Hill School

Sample Description: WFC Exterior Fac C

Work Order: 12F0071

Date Received: 6/4/2012

Field Sample #: 6-2PCB-15

Sampled: 6/2/2012 00:00

Sample ID: 12F0071-14

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	96	mg/Kg	500		SW-846 8082A	6/5/12	6/9/12 0:48	PJG
Aroclor-1221 [1]	ND	96	mg/Kg	500		SW-846 8082A	6/5/12	6/9/12 0:48	PJG
Aroclor-1232 [1]	ND	96	mg/Kg	500		SW-846 8082A	6/5/12	6/9/12 0:48	PJG
Aroclor-1242 [1]	ND	96	mg/Kg	500		SW-846 8082A	6/5/12	6/9/12 0:48	PJG
Aroclor-1248 [1]	ND	96	mg/Kg	500		SW-846 8082A	6/5/12	6/9/12 0:48	PJG
Aroclor-1254 [1]	230	96	mg/Kg	500		SW-846 8082A	6/5/12	6/9/12 0:48	PJG
Aroclor-1260 [1]	ND	96	mg/Kg	500		SW-846 8082A	6/5/12	6/9/12 0:48	PJG
Aroclor-1262 [1]	ND	96	mg/Kg	500		SW-846 8082A	6/5/12	6/9/12 0:48	PJG
Aroclor-1268 [1]	ND	96	mg/Kg	500		SW-846 8082A	6/5/12	6/9/12 0:48	PJG
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01				6/9/12 0:48
Decachlorobiphenyl [2]	*		30-150		S-01				6/9/12 0:48
Tetrachloro-m-xylene [1]	*		30-150		S-01				6/9/12 0:48
Tetrachloro-m-xylene [2]	*		30-150		S-01				6/9/12 0:48

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

Project Location: Osbourne Hill School

Sample Description: WFC Exterior Fac A

Work Order: 12F0071

Date Received: 6/4/2012

Sampled: 6/2/2012 00:00

Field Sample #: 6-2PCB-16

Sample ID: 12F0071-15

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	90	mg/Kg	500		SW-846 8082A	6/5/12	6/9/12 1:01	PJG
Aroclor-1221 [1]	ND	90	mg/Kg	500		SW-846 8082A	6/5/12	6/9/12 1:01	PJG
Aroclor-1232 [1]	ND	90	mg/Kg	500		SW-846 8082A	6/5/12	6/9/12 1:01	PJG
Aroclor-1242 [1]	ND	90	mg/Kg	500		SW-846 8082A	6/5/12	6/9/12 1:01	PJG
Aroclor-1248 [1]	ND	90	mg/Kg	500		SW-846 8082A	6/5/12	6/9/12 1:01	PJG
Aroclor-1254 [1]	1700	90	mg/Kg	500		SW-846 8082A	6/5/12	6/9/12 1:01	PJG
Aroclor-1260 [1]	ND	90	mg/Kg	500		SW-846 8082A	6/5/12	6/9/12 1:01	PJG
Aroclor-1262 [1]	ND	90	mg/Kg	500		SW-846 8082A	6/5/12	6/9/12 1:01	PJG
Aroclor-1268 [1]	ND	90	mg/Kg	500		SW-846 8082A	6/5/12	6/9/12 1:01	PJG
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01				6/9/12 1:01
Decachlorobiphenyl [2]	*		30-150		S-01				6/9/12 1:01
Tetrachloro-m-xylene [1]	*		30-150		S-01				6/9/12 1:01
Tetrachloro-m-xylene [2]	*		30-150		S-01				6/9/12 1:01

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

Project Location: Osbourne Hill School

Sample Description: WFC Exterior Fac A

Work Order: 12F0071

Date Received: 6/4/2012

Field Sample #: 6-2PCB-17

Sampled: 6/2/2012 00:00

Sample ID: 12F0071-16

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	180	mg/Kg	1000		SW-846 8082A	6/5/12	6/9/12 1:14	PJG
Aroclor-1221 [1]	ND	180	mg/Kg	1000		SW-846 8082A	6/5/12	6/9/12 1:14	PJG
Aroclor-1232 [1]	ND	180	mg/Kg	1000		SW-846 8082A	6/5/12	6/9/12 1:14	PJG
Aroclor-1242 [1]	ND	180	mg/Kg	1000		SW-846 8082A	6/5/12	6/9/12 1:14	PJG
Aroclor-1248 [1]	ND	180	mg/Kg	1000		SW-846 8082A	6/5/12	6/9/12 1:14	PJG
Aroclor-1254 [1]	3700	180	mg/Kg	1000		SW-846 8082A	6/5/12	6/9/12 1:14	PJG
Aroclor-1260 [1]	ND	180	mg/Kg	1000		SW-846 8082A	6/5/12	6/9/12 1:14	PJG
Aroclor-1262 [1]	ND	180	mg/Kg	1000		SW-846 8082A	6/5/12	6/9/12 1:14	PJG
Aroclor-1268 [1]	ND	180	mg/Kg	1000		SW-846 8082A	6/5/12	6/9/12 1:14	PJG
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	*	30-150		S-01					6/9/12 1:14
Decachlorobiphenyl [2]	*	30-150		S-01					6/9/12 1:14
Tetrachloro-m-xylene [1]	*	30-150		S-01					6/9/12 1:14
Tetrachloro-m-xylene [2]	*	30-150		S-01					6/9/12 1:14

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

Project Location: Osbourne Hill School

Sample Description: WFC Room 125

Work Order: 12F0071

Date Received: 6/4/2012

Field Sample #: 6-2PCB-09

Sampled: 6/2/2012 00:00

Sample ID: 12F0071-17

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.6	mg/Kg	50		SW-846 8082A	6/5/12	6/9/12 1:27	PJG
Aroclor-1221 [1]	ND	9.6	mg/Kg	50		SW-846 8082A	6/5/12	6/9/12 1:27	PJG
Aroclor-1232 [1]	ND	9.6	mg/Kg	50		SW-846 8082A	6/5/12	6/9/12 1:27	PJG
Aroclor-1242 [1]	ND	9.6	mg/Kg	50		SW-846 8082A	6/5/12	6/9/12 1:27	PJG
Aroclor-1248 [1]	ND	9.6	mg/Kg	50		SW-846 8082A	6/5/12	6/9/12 1:27	PJG
Aroclor-1254 [1]	31	9.6	mg/Kg	50		SW-846 8082A	6/5/12	6/9/12 1:27	PJG
Aroclor-1260 [1]	ND	9.6	mg/Kg	50		SW-846 8082A	6/5/12	6/9/12 1:27	PJG
Aroclor-1262 [1]	ND	9.6	mg/Kg	50		SW-846 8082A	6/5/12	6/9/12 1:27	PJG
Aroclor-1268 [1]	ND	9.6	mg/Kg	50		SW-846 8082A	6/5/12	6/9/12 1:27	PJG
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	*	30-150			S-01				6/9/12 1:27
Decachlorobiphenyl [2]	*	30-150			S-01				6/9/12 1:27
Tetrachloro-m-xylene [1]	*	30-150			S-01				6/9/12 1:27
Tetrachloro-m-xylene [2]	*	30-150			S-01				6/9/12 1:27

Sample Extraction Data
Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
12F0071-01 [6-2PCB-01]	B052786	0.514	10.0	06/05/12
12F0071-02 [6-2PCB-02]	B052786	0.505	10.0	06/05/12
12F0071-03 [6-2PCB-03]	B052786	0.530	10.0	06/05/12
12F0071-04 [6-2PCB-04]	B052786	0.567	10.0	06/05/12
12F0071-05 [6-2PCB-05]	B052786	0.554	10.0	06/05/12
12F0071-06 [6-2PCB-06]	B052786	0.510	10.0	06/05/12
12F0071-07 [6-2PCB-07]	B052786	0.529	10.0	06/05/12
12F0071-08 [6-2PCB-08]	B052786	0.511	10.0	06/05/12
12F0071-09 [6-2PCB-10]	B052786	0.562	10.0	06/05/12
12F0071-10 [6-2PCB-11]	B052786	0.556	10.0	06/05/12
12F0071-11 [6-2PCB-12]	B052786	0.546	10.0	06/05/12
12F0071-12 [6-2PCB-13]	B052786	0.598	10.0	06/05/12
12F0071-13 [6-2PCB-14]	B052786	0.562	10.0	06/05/12
12F0071-14 [6-2PCB-15]	B052786	0.523	10.0	06/05/12
12F0071-15 [6-2PCB-16]	B052786	0.553	10.0	06/05/12
12F0071-16 [6-2PCB-17]	B052786	0.565	10.0	06/05/12
12F0071-17 [6-2PCB-09]	B052786	0.523	10.0	06/05/12

QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	---------	-----------	-------

Batch B052786 - SW-846 3540C

Blank (B052786-BLK1)					Prepared: 06/05/12 Analyzed: 06/07/12					
Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	3.73	mg/Kg	4.00		93.3	30-150				
Surrogate: Decachlorobiphenyl [2C]	4.12	mg/Kg	4.00		103	30-150				
Surrogate: Tetrachloro-m-xylene	3.83	mg/Kg	4.00		95.6	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	4.60	mg/Kg	4.00		115	30-150				

LCS (B052786-BS1)					Prepared: 06/05/12 Analyzed: 06/07/12					
Aroclor-1016	4.0	0.20	mg/Kg	4.00		100	40-140			
Aroclor-1016 [2C]	4.6	0.20	mg/Kg	4.00		114	40-140			
Aroclor-1260	4.2	0.20	mg/Kg	4.00		105	40-140			
Aroclor-1260 [2C]	5.1	0.20	mg/Kg	4.00		127	40-140			
Surrogate: Decachlorobiphenyl	4.41	mg/Kg	4.00		110	30-150				
Surrogate: Decachlorobiphenyl [2C]	5.01	mg/Kg	4.00		125	30-150				
Surrogate: Tetrachloro-m-xylene	4.21	mg/Kg	4.00		105	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	5.10	mg/Kg	4.00		127	30-150				

LCS Dup (B052786-BSD1)					Prepared: 06/05/12 Analyzed: 06/07/12					
Aroclor-1016	3.6	0.20	mg/Kg	4.00		89.8	40-140	10.7	30	
Aroclor-1016 [2C]	4.1	0.20	mg/Kg	4.00		102	40-140	10.8	30	
Aroclor-1260	3.7	0.20	mg/Kg	4.00		92.5	40-140	13.1	30	
Aroclor-1260 [2C]	4.5	0.20	mg/Kg	4.00		113	40-140	11.6	30	
Surrogate: Decachlorobiphenyl	3.78	mg/Kg	4.00		94.4	30-150				
Surrogate: Decachlorobiphenyl [2C]	4.29	mg/Kg	4.00		107	30-150				
Surrogate: Tetrachloro-m-xylene	3.71	mg/Kg	4.00		92.8	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	4.62	mg/Kg	4.00		116	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	06/30/2012
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



Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

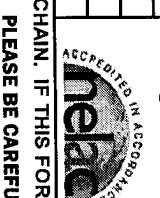
CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 2

Company Name: AMC Environmental		Telephone: 203-378-5020	
Address: P.O. Box 423 Stratford, CT 06615		Project # _____	
Attention: Jason Pringle		Client PO# _____	
Project Location: Osborne Hill School		DATA DELIVERY (check all that apply)	
Sampled By: Rick Onofrio & Justin Proto		O FAX O EMAIL O WEBSITE	
Project Proposal Provided? (for billing purposes) O yes _____ proposal date		Format: O PDF O EXCEL O GIS O OTHER Email: results@amcenviron.com	
Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection	ANALYSIS REQUESTED
-01	6-2PCB-01 WFC Room 101	Beginning Date/Time	Ending Date/Time
-02	6-2PCB-02 WFC Room 104	Composite	Grab Code
-03	6-2PCB-03 WFC Room 105	S	S
-04	6-2PCB-04 WFC Room 105	S	S
-05	6-2PCB-05 WFC Room 107	S	S
-06	6-2PCB-06 WFC Room 111	S	S
-07	6-2PCB-07 DFC Room 116	S	S
-08	6-2PCB-08 Metal WGC Room 118	S	S
-09	6-2PCB-10 WFC Exterior Fac A	S	S
-10	6-2PCB-11 WFC Exterior Fac D	S	S
		Soxhlet 8082A	
		**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 SL = sludge S = soil/sediment O = other	
Comments:			
<p>Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:</p> <p>H - High; M - Medium; L - Low; C - Clear; U - Unknown</p>			
Relinquished by: (signature)		Date/Time: 6-4-12	<u>Turnaround</u> [†]
Received by: (signature)		Date/Time:	<input checked="" type="checkbox"/> 7-Day
Relinquished by: (signature)		Date/Time:	<input type="checkbox"/> 10-Day
			<input type="checkbox"/> Other _____
			RUSH [†]
Received by: (signature)		Date/Time:	<input type="checkbox"/> [†] 24-Hr <input type="checkbox"/> [†] 48-Hr <input type="checkbox"/> [†] 72-Hr <input type="checkbox"/> [†] 4-Day
			Other: _____
			Require lab approval
<p>Is your project MCP or RCP?</p> <p><input type="radio"/> MCP Form Required <input type="radio"/> RCP Form Required <input type="radio"/> MA State DW Form Required PWSID # _____</p> <p>ACCREDITED IN ACCORDANCE WITH THE NATIONAL ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM (NELAP) AND THE AMERICAN INDUSTRY HYGIENE ASSOCIATION (AIHA) STANDARDS FOR ANALYTICAL LABORATORIES</p> <p>NELAC & AIHA Certified WBE/DBE Certified</p>			

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.





ANALYTICAL LABORATORY

con-test

Phone: 413-525-2311
Fax: 413-525-6405

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

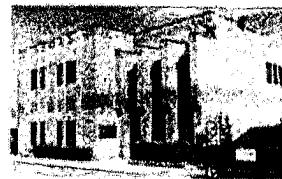
Page
2
of
2

Company Name: AMC Environmental		Telephone: 203-378-5020		ANALYSIS REQUESTED					
Address: P.O. Box 423 Stratford, CT 06615		Project #: _____		Disolved Metals					
Attention: Jason Pringle		Client PO# _____		<input type="radio"/> Field Filtered					
Project Location: Osborne Hill School		DATA DELIVERY (check all that apply)		<input type="radio"/> Lab to Filter					
Sampled By: Rick Onofrio & Justin Proto		<input checked="" type="checkbox"/> FAX <input type="radio"/> EMAIL <input type="radio"/> WEBSITE		***Container Code:					
Project Proposal Provided? (for billing purposes) <input type="radio"/> yes _____ proposal date		<input type="radio"/> FORMATTED <input type="radio"/> PDF <input type="radio"/> EXCEL <input type="radio"/> GIS		A=amber glass G=glass P=plastic ST=sterile V=vial					
		<input type="radio"/> "Enhanced Data Package"		S=summa can T=tetra bag O=Other					
Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	Soxhlet	8082A
-11	6-2PCCB-12 WFC Exterior Fac C	6-2-12		S	S	<input checked="" type="checkbox"/>			
-12	6-2PCCB-13 WFC Exterior Fac C	6-2-12		S	S	<input checked="" type="checkbox"/>			
-13	6-2PCCB-14 WFC Exterior Fac B	6-2-12		S	S	<input checked="" type="checkbox"/>			
-14	6-2PCCB-15 WFC Exterior Fac C	6-2-12		S	S	<input checked="" type="checkbox"/>			
-15	6-2PCCB-16 WFC Exterior Fac A	6-2-12		S	S	<input checked="" type="checkbox"/>			
-16	6-2PCCB-17 WFC Exterior Fac A	6-2-12		S	S	<input checked="" type="checkbox"/>			
-17	6-2PCB-09 WFC Room 125	6-2-12		S	S	<input checked="" type="checkbox"/>			
Comments: _____									
<p>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 </p>									
Relinquished by: (signature)		Date/Time: 6-4-12		Turnaround ^{††}		Detection Limit Requirements		Is your project MCP or RCP?	
Received by: (signature)		Date/Time:		7-Day Massachusetts:				<input type="radio"/> MCP Form Required <input type="radio"/> RCP Form Required <input type="radio"/> MA State DW Form Required PWSID # _____	
Relinquished by: (signature)		Date/Time:		10-Day Other _____					
Received by: (signature)		Date/Time:		RUSH [†] Connecticut:					
				<input type="checkbox"/> 1-24-Hr <input type="checkbox"/> 1-48-Hr <input type="checkbox"/> 1-72-Hr <input type="checkbox"/> 1-4-Day					
				Require lab approval		Other: _____			
  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

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



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?

If not, explain:

3) Are all the samples in good condition?

If not, explain:

Yes No

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

20.9 °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	<u>17</u>
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 _____

Time and Date Frozen:

Doc# 277

Bisulfate _____ # DI Water _____

Rev. 2 Sept 2011

Thiosulfate _____ Unpreserved _____

July 24, 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: 12G0533

Enclosed are results of analyses for samples received by the laboratory on July 17, 2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Lisa A. Worthington
Project Manager

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

REPORT DATE: 7/24/2012

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

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12G0533

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
7-16 PCB 01	12G0533-01	Caulk		SW-846 8082A	
7-16 PCB 02	12G0533-02	Caulk		SW-846 8082A	
7-16 PCB 03	12G0533-03	Caulk		SW-846 8082A	
7-16 PCB 04	12G0533-04	Caulk		SW-846 8082A	
7-16 PCB 05	12G0533-05	Caulk		SW-846 8082A	
7-16 PCB 06	12G0533-06	Caulk		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]

12G0533-04[7-16 PCB 04]

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: Osbourne Hill School

Sample Description:

Work Order: 12G0533

Date Received: 7/17/2012

Field Sample #: 7-16 PCB 01

Sampled: 7/16/2012 00:00

Sample ID: 12G0533-01

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.97	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 12:27	MJC
Aroclor-1221 [1]	ND	0.97	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 12:27	MJC
Aroclor-1232 [1]	ND	0.97	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 12:27	MJC
Aroclor-1242 [1]	ND	0.97	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 12:27	MJC
Aroclor-1248 [1]	ND	0.97	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 12:27	MJC
Aroclor-1254 [2]	11	0.97	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 12:27	MJC
Aroclor-1260 [1]	ND	0.97	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 12:27	MJC
Aroclor-1262 [1]	ND	0.97	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 12:27	MJC
Aroclor-1268 [1]	ND	0.97	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 12:27	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		106	30-150					7/20/12 12:27	
Decachlorobiphenyl [2]		88.9	30-150					7/20/12 12:27	
Tetrachloro-m-xylene [1]		119	30-150					7/20/12 12:27	
Tetrachloro-m-xylene [2]		110	30-150					7/20/12 12:27	

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

Project Location: Osbourne Hill School

Sample Description:

Work Order: 12G0533

Date Received: 7/17/2012

Field Sample #: 7-16 PCB 02

Sampled: 7/16/2012 00:00

Sample ID: 12G0533-02

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.95	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 12:40	MJC
Aroclor-1221 [1]	ND	0.95	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 12:40	MJC
Aroclor-1232 [1]	ND	0.95	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 12:40	MJC
Aroclor-1242 [1]	ND	0.95	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 12:40	MJC
Aroclor-1248 [1]	ND	0.95	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 12:40	MJC
Aroclor-1254 [2]	12	0.95	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 12:40	MJC
Aroclor-1260 [1]	ND	0.95	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 12:40	MJC
Aroclor-1262 [1]	ND	0.95	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 12:40	MJC
Aroclor-1268 [1]	ND	0.95	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 12:40	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	65.1	30-150							7/20/12 12:40
Decachlorobiphenyl [2]	53.7	30-150							7/20/12 12:40
Tetrachloro-m-xylene [1]	107	30-150							7/20/12 12:40
Tetrachloro-m-xylene [2]	99.2	30-150							7/20/12 12:40

Project Location: Osbourne Hill School

Sample Description:

Work Order: 12G0533

Date Received: 7/17/2012

Field Sample #: 7-16 PCB 03

Sampled: 7/16/2012 00:00

Sample ID: 12G0533-03

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.95	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 12:53	MJC
Aroclor-1221 [1]	ND	0.95	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 12:53	MJC
Aroclor-1232 [1]	ND	0.95	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 12:53	MJC
Aroclor-1242 [1]	ND	0.95	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 12:53	MJC
Aroclor-1248 [1]	ND	0.95	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 12:53	MJC
Aroclor-1254 [2]	6.9	0.95	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 12:53	MJC
Aroclor-1260 [1]	ND	0.95	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 12:53	MJC
Aroclor-1262 [1]	ND	0.95	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 12:53	MJC
Aroclor-1268 [1]	ND	0.95	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 12:53	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		60.5	30-150					7/20/12 12:53	
Decachlorobiphenyl [2]		52.7	30-150					7/20/12 12:53	
Tetrachloro-m-xylene [1]		112	30-150					7/20/12 12:53	
Tetrachloro-m-xylene [2]		105	30-150					7/20/12 12:53	

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

Project Location: Osbourne Hill School

Sample Description:

Work Order: 12G0533

Date Received: 7/17/2012

Sampled: 7/16/2012 00:00

Field Sample #: 7-16 PCB 04

Sample ID: 12G0533-04

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.2	mg/Kg	50		SW-846 8082A	7/18/12	7/20/12 13:06	MJC
Aroclor-1221 [1]	ND	9.2	mg/Kg	50		SW-846 8082A	7/18/12	7/20/12 13:06	MJC
Aroclor-1232 [1]	ND	9.2	mg/Kg	50		SW-846 8082A	7/18/12	7/20/12 13:06	MJC
Aroclor-1242 [1]	ND	9.2	mg/Kg	50		SW-846 8082A	7/18/12	7/20/12 13:06	MJC
Aroclor-1248 [1]	ND	9.2	mg/Kg	50		SW-846 8082A	7/18/12	7/20/12 13:06	MJC
Aroclor-1254 [2]	40	9.2	mg/Kg	50		SW-846 8082A	7/18/12	7/20/12 13:06	MJC
Aroclor-1260 [1]	ND	9.2	mg/Kg	50		SW-846 8082A	7/18/12	7/20/12 13:06	MJC
Aroclor-1262 [1]	ND	9.2	mg/Kg	50		SW-846 8082A	7/18/12	7/20/12 13:06	MJC
Aroclor-1268 [1]	ND	9.2	mg/Kg	50		SW-846 8082A	7/18/12	7/20/12 13:06	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	*	30-150		S-01			7/20/12 13:06		
Decachlorobiphenyl [2]	*	30-150		S-01			7/20/12 13:06		
Tetrachloro-m-xylene [1]	*	30-150		S-01			7/20/12 13:06		
Tetrachloro-m-xylene [2]	*	30-150		S-01			7/20/12 13:06		

Project Location: Osbourne Hill School

Sample Description:

Work Order: 12G0533

Date Received: 7/17/2012

Field Sample #: 7-16 PCB 05

Sampled: 7/16/2012 00:00

Sample ID: 12G0533-05

Sample Matrix: Caulk

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	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 13:19	MJC
Aroclor-1221 [1]	ND	1.0	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 13:19	MJC
Aroclor-1232 [1]	ND	1.0	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 13:19	MJC
Aroclor-1242 [1]	ND	1.0	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 13:19	MJC
Aroclor-1248 [1]	ND	1.0	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 13:19	MJC
Aroclor-1254 [1]	13	1.0	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 13:19	MJC
Aroclor-1260 [1]	ND	1.0	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 13:19	MJC
Aroclor-1262 [1]	ND	1.0	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 13:19	MJC
Aroclor-1268 [1]	ND	1.0	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 13:19	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		66.7	30-150					7/20/12 13:19	
Decachlorobiphenyl [2]		56.5	30-150					7/20/12 13:19	
Tetrachloro-m-xylene [1]		111	30-150					7/20/12 13:19	
Tetrachloro-m-xylene [2]		103	30-150					7/20/12 13:19	

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

Project Location: Osbourne Hill School

Sample Description:

Work Order: 12G0533

Date Received: 7/17/2012

Field Sample #: 7-16 PCB 06

Sampled: 7/16/2012 00:00

Sample ID: 12G0533-06

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 14:11	MJC
Aroclor-1221 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 14:11	MJC
Aroclor-1232 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 14:11	MJC
Aroclor-1242 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 14:11	MJC
Aroclor-1248 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 14:11	MJC
Aroclor-1254 [1]	6.3	0.91	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 14:11	MJC
Aroclor-1260 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 14:11	MJC
Aroclor-1262 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 14:11	MJC
Aroclor-1268 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	7/18/12	7/20/12 14:11	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	91.1	30-150							7/20/12 14:11
Decachlorobiphenyl [2]	90.0	30-150							7/20/12 14:11
Tetrachloro-m-xylene [1]	90.8	30-150							7/20/12 14:11
Tetrachloro-m-xylene [2]	84.2	30-150							7/20/12 14:11

Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
12G0533-01 [7-16 PCB 01]	B055360	0.514	10.0	07/18/12
12G0533-02 [7-16 PCB 02]	B055360	0.527	10.0	07/18/12
12G0533-03 [7-16 PCB 03]	B055360	0.525	10.0	07/18/12
12G0533-04 [7-16 PCB 04]	B055360	0.545	10.0	07/18/12
12G0533-05 [7-16 PCB 05]	B055360	0.501	10.0	07/18/12
12G0533-06 [7-16 PCB 06]	B055360	0.552	10.0	07/18/12

QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch B055360 - SW-846 3540C

Blank (B055360-BLK1)					Prepared: 07/18/12 Analyzed: 07/20/12					
Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	3.70		mg/Kg	4.00		92.4		30-150		
Surrogate: Decachlorobiphenyl [2C]	3.25		mg/Kg	4.00		81.4		30-150		
Surrogate: Tetrachloro-m-xylene	4.20		mg/Kg	4.00		105		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	3.82		mg/Kg	4.00		95.6		30-150		

LCS (B055360-BS1)					Prepared: 07/18/12 Analyzed: 07/20/12					
Aroclor-1016	4.2	0.20	mg/Kg	4.00		104		40-140		
Aroclor-1016 [2C]	4.0	0.20	mg/Kg	4.00		99.2		40-140		
Aroclor-1260	4.1	0.20	mg/Kg	4.00		104		40-140		
Aroclor-1260 [2C]	3.9	0.20	mg/Kg	4.00		98.2		40-140		
Surrogate: Decachlorobiphenyl	3.97		mg/Kg	4.00		99.3		30-150		
Surrogate: Decachlorobiphenyl [2C]	3.57		mg/Kg	4.00		89.3		30-150		
Surrogate: Tetrachloro-m-xylene	4.24		mg/Kg	4.00		106		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	3.87		mg/Kg	4.00		96.8		30-150		

LCS Dup (B055360-BSD1)					Prepared: 07/18/12 Analyzed: 07/20/12					
Aroclor-1016	3.9	0.20	mg/Kg	4.00		98.6		40-140	5.66	30
Aroclor-1016 [2C]	3.7	0.20	mg/Kg	4.00		93.2		40-140	6.20	30
Aroclor-1260	3.1	0.20	mg/Kg	4.00		78.3		40-140	27.9	30
Aroclor-1260 [2C]	3.0	0.20	mg/Kg	4.00		74.9		40-140	27.0	30
Surrogate: Decachlorobiphenyl	2.39		mg/Kg	4.00		59.7		30-150		
Surrogate: Decachlorobiphenyl [2C]	2.11		mg/Kg	4.00		52.8		30-150		
Surrogate: Tetrachloro-m-xylene	4.26		mg/Kg	4.00		107		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	3.92		mg/Kg	4.00		98.1		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
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	06/30/2013
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

12 G 0533
 DATA DELIVERY (check all that apply)

 Company Name: ANC Environmental Telephone: _____
 Address: 622 Clinton Ave. Project #: _____

Attention: Rick O'nefro

Project Location: Osbourne Hill School

Sampled By: Rick O'nefro

Project Proposal Provided? (for billing purposes)

 Yes _____ proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	ANALYSIS REQUESTED											
		Collection	Beginning Date/Time	Ending Date/Time	Composite	Grab	*Matrix	Lane	Sample	Media	Unit	Comments	
01	7-16 PCB 01	7-16 P.M.			02	S	S	S	X	X			EPA 8082
02					03			S					
03					04			S					
04					05			S					
05					06			S					
06													

**Preservation

I = Iced

H = HCl

M = Methanol

N = Nitric Acid

S = Sulfuric Acid

B = Sodium bisulfate

X = Na hydroxide

T = Na thiosulfate

O = Other

O=Other

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

Relinquished by: (signature) 8/15 Date/Time: 7-16-12 P.M.

Received by: (signature) 8/15 Date/Time: 7/17/12

Relinquished by: (signature) 8/15 Date/Time: 7/17/12

Received by: (signature) 8/15 Date/Time: 7/17/12

 Turnaround [†]
 Massachussets:

MCP Form Required

RCP Form Required

MA State DW Form Required PWSID # _____

DW = drinking water

A = air

S = soil/solid

SL = sludge

O = other _____

Detection Limit Requirements

Is your project MCP or RCP?

MCP Form Required

RCP Form Required

MA State DW Form Required PWSID # _____

DW = drinking water

A = air

S = soil/solid

SL = sludge

O = other _____

 Connecticut: 8/17 P.M.
 Other: _____

MCP Form Required

RCP Form Required

MA State DW Form Required PWSID # _____

DW = drinking water

A = air

S = soil/solid

SL = sludge

O = other _____

MCP Form Required

RCP Form Required

MA State DW Form Required PWSID # _____

DW = drinking water

A = air

S = soil/solid

SL = sludge

O = other _____


 ANALY LAB, LLC
 ANALYTICAL LABORATORY
 39 Spruce Street
 East Longmeadow, MA 01028
 (413) 525-2332

 NELAC & AIHA-LAP, LLC
 Accredited

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

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



Sample Receipt Checklist



CLIENT NAME: AMC Environmental RECEIVED BY: SD DATE: 7/17/12

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 _____

6.0

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:

VA

Permission to subcontract samples? Yes No

(Walk-in clients only) if not already approved

Client Signature:

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

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

10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No N/A

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		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 _____

Time and Date Frozen:

Doc# 277

Bisulfate _____ # DI Water _____

Rev. 3 May 2012

Thiosulfate _____ Unpreserved _____

LABORATORY RESULTS

PCB Substrate Sample Results

June 11, 2012

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

Project Location: Osborne Hill School
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 12F0102

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 A. Worthington
Project Manager

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

REPORT DATE: 6/11/2012

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

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12F0102

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
W.F.C. Sub 01 - C1 RM 104	12F0102-01	Concrete		SW-846 8082A	
W.F.C. Sub 02 - C1 RM 105	12F0102-02	Concrete		SW-846 8082A	
W.F.C. Sub 03 - C1 RM 106	12F0102-03	Concrete		SW-846 8082A	
W.F.C. Sub 04 - C1 RM 112	12F0102-04	Concrete		SW-846 8082A	
W.F.C. Sub 05 - C1 RM 125	12F0102-05	Concrete		SW-846 8082A	
W.F.C. Sub 06 - C1 Ext Fac. A	12F0102-06	Concrete		SW-846 8082A	
W.F.C. Sub 07 - C1 Ext Fac. B	12F0102-07	Concrete		SW-846 8082A	
W.F.C. Sub 08 - C1 Ext Fac. C	12F0102-08	Concrete		SW-846 8082A	
W.F.C. Sub 09 - C1 Ext Fac. C	12F0102-09	Concrete		SW-846 8082A	
W.F.C. Sub 10 - C1 Ext Fac. D	12F0102-10	Concrete		SW-846 8082A	
W.F.C. Sub 11 - C1 Fac. A	12F0102-11	Concrete		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:

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.

Analyte & Samples(s) Qualified:

Aroclor-1016 [2C]

B052787-MSD1

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]

12F0102-10[W.F.C. Sub 10 - C1 Ext Fac. D], 12F0102-11[W.F.C. Sub 11 - C1 Fac. A]

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

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

Project Location: Osborne Hill School

Sample Description:

Work Order: 12F0102

Date Received: 6/4/2012

Field Sample #: W.F.C. Sub 01 - C1 RM 104

Sampled: 6/2/2012 00:00

Sample ID: 12F0102-01

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/6/12 23:13	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/6/12 23:13	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/6/12 23:13	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/6/12 23:13	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/6/12 23:13	MJC
Aroclor-1254 [2]	0.31	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/6/12 23:13	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/6/12 23:13	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/6/12 23:13	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/6/12 23:13	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	101	30-150						6/6/12 23:13	
Decachlorobiphenyl [2]	104	30-150						6/6/12 23:13	
Tetrachloro-m-xylene [1]	100	30-150						6/6/12 23:13	
Tetrachloro-m-xylene [2]	105	30-150						6/6/12 23:13	

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

Project Location: Osborne Hill School

Sample Description:

Work Order: 12F0102

Date Received: 6/4/2012

Field Sample #: W.F.C. Sub 02 - C1 RM 105

Sampled: 6/2/2012 00:00

Sample ID: 12F0102-02

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/6/12 23:26	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/6/12 23:26	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/6/12 23:26	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/6/12 23:26	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/6/12 23:26	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/6/12 23:26	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/6/12 23:26	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/6/12 23:26	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/6/12 23:26	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	106	30-150						6/6/12 23:26	
Decachlorobiphenyl [2]	108	30-150						6/6/12 23:26	
Tetrachloro-m-xylene [1]	106	30-150						6/6/12 23:26	
Tetrachloro-m-xylene [2]	112	30-150						6/6/12 23:26	

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Project Location: Osborne Hill School

Sample Description:

Work Order: 12F0102

Date Received: 6/4/2012

Field Sample #: W.F.C. Sub 03 - C1 RM 106

Sampled: 6/2/2012 00:00

Sample ID: 12F0102-03

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/6/12 23:39	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/6/12 23:39	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/6/12 23:39	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/6/12 23:39	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/6/12 23:39	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/6/12 23:39	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/6/12 23:39	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/6/12 23:39	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/6/12 23:39	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	103	30-150						6/6/12 23:39	
Decachlorobiphenyl [2]	106	30-150						6/6/12 23:39	
Tetrachloro-m-xylene [1]	103	30-150						6/6/12 23:39	
Tetrachloro-m-xylene [2]	108	30-150						6/6/12 23:39	

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Project Location: Osborne Hill School

Sample Description:

Work Order: 12F0102

Date Received: 6/4/2012

Field Sample #: W.F.C. Sub 04 - C1 RM 112

Sampled: 6/2/2012 00:00

Sample ID: 12F0102-04

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/5/12	6/6/12 23:52	MJC
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/5/12	6/6/12 23:52	MJC
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/5/12	6/6/12 23:52	MJC
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/5/12	6/6/12 23:52	MJC
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/5/12	6/6/12 23:52	MJC
Aroclor-1254 [1]	0.29	0.095	mg/Kg	1		SW-846 8082A	6/5/12	6/6/12 23:52	MJC
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/5/12	6/6/12 23:52	MJC
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/5/12	6/6/12 23:52	MJC
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/5/12	6/6/12 23:52	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	102	30-150							6/6/12 23:52
Decachlorobiphenyl [2]	103	30-150							6/6/12 23:52
Tetrachloro-m-xylene [1]	101	30-150							6/6/12 23:52
Tetrachloro-m-xylene [2]	106	30-150							6/6/12 23:52

Project Location: Osborne Hill School

Sample Description:

Work Order: 12F0102

Date Received: 6/4/2012

Field Sample #: W.F.C. Sub 05 - C1 RM 125

Sampled: 6/2/2012 00:00

Sample ID: 12F0102-05

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 11:01	MJC
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 11:01	MJC
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 11:01	MJC
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 11:01	MJC
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 11:01	MJC
Aroclor-1254 [2]	0.28	0.095	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 11:01	MJC
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 11:01	MJC
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 11:01	MJC
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 11:01	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	113	30-150						6/7/12 11:01	
Decachlorobiphenyl [2]	115	30-150						6/7/12 11:01	
Tetrachloro-m-xylene [1]	108	30-150						6/7/12 11:01	
Tetrachloro-m-xylene [2]	114	30-150						6/7/12 11:01	

Project Location: Osborne Hill School

Sample Description:

Work Order: 12F0102

Date Received: 6/4/2012

Field Sample #: W.F.C. Sub 06 - C1 Ext Fac. A

Sampled: 6/2/2012 00:00

Sample ID: 12F0102-06

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 0:18	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 0:18	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 0:18	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 0:18	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 0:18	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 0:18	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 0:18	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 0:18	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 0:18	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		99.2	30-150					6/7/12 0:18	
Decachlorobiphenyl [2]		102	30-150					6/7/12 0:18	
Tetrachloro-m-xylene [1]		96.9	30-150					6/7/12 0:18	
Tetrachloro-m-xylene [2]		101	30-150					6/7/12 0:18	

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Project Location: Osborne Hill School

Sample Description:

Work Order: 12F0102

Date Received: 6/4/2012

Field Sample #: W.F.C. Sub 07 - C1 Ext Fac. B

Sampled: 6/2/2012 00:00

Sample ID: 12F0102-07

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 0:31	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 0:31	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 0:31	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 0:31	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 0:31	MJC
Aroclor-1254 [1]	ND	0.11	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 0:31	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 0:31	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 0:31	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 0:31	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	105	30-150							6/7/12 0:31
Decachlorobiphenyl [2]	108	30-150							6/7/12 0:31
Tetrachloro-m-xylene [1]	103	30-150							6/7/12 0:31
Tetrachloro-m-xylene [2]	108	30-150							6/7/12 0:31

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Project Location: Osborne Hill School

Sample Description:

Work Order: 12F0102

Date Received: 6/4/2012

Field Sample #: W.F.C. Sub 08 - C1 Ext Fac. C

Sampled: 6/2/2012 00:00

Sample ID: 12F0102-08

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 0:44	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 0:44	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 0:44	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 0:44	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 0:44	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 0:44	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 0:44	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 0:44	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 0:44	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	99.0	30-150						6/7/12 0:44	
Decachlorobiphenyl [2]	101	30-150						6/7/12 0:44	
Tetrachloro-m-xylene [1]	98.6	30-150						6/7/12 0:44	
Tetrachloro-m-xylene [2]	103	30-150						6/7/12 0:44	

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Project Location: Osborne Hill School

Sample Description:

Work Order: 12F0102

Date Received: 6/4/2012

Field Sample #: W.F.C. Sub 09 - C1 Ext Fac. C

Sampled: 6/2/2012 00:00

Sample ID: 12F0102-09

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 0:57	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 0:57	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 0:57	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 0:57	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 0:57	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 0:57	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 0:57	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 0:57	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/5/12	6/7/12 0:57	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	100	30-150							6/7/12 0:57
Decachlorobiphenyl [2]	102	30-150							6/7/12 0:57
Tetrachloro-m-xylene [1]	103	30-150							6/7/12 0:57
Tetrachloro-m-xylene [2]	108	30-150							6/7/12 0:57

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Project Location: Osborne Hill School

Sample Description:

Work Order: 12F0102

Date Received: 6/4/2012

Field Sample #: W.F.C. Sub 10 - C1 Ext Fac. D

Sampled: 6/2/2012 00:00

Sample ID: 12F0102-10

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	20	mg/Kg	200		SW-846 8082A	6/5/12	6/7/12 11:14	MJC
Aroclor-1221 [1]	ND	20	mg/Kg	200		SW-846 8082A	6/5/12	6/7/12 11:14	MJC
Aroclor-1232 [1]	ND	20	mg/Kg	200		SW-846 8082A	6/5/12	6/7/12 11:14	MJC
Aroclor-1242 [1]	ND	20	mg/Kg	200		SW-846 8082A	6/5/12	6/7/12 11:14	MJC
Aroclor-1248 [1]	ND	20	mg/Kg	200		SW-846 8082A	6/5/12	6/7/12 11:14	MJC
Aroclor-1254 [1]	140	20	mg/Kg	200		SW-846 8082A	6/5/12	6/7/12 11:14	MJC
Aroclor-1260 [1]	ND	20	mg/Kg	200		SW-846 8082A	6/5/12	6/7/12 11:14	MJC
Aroclor-1262 [1]	ND	20	mg/Kg	200		SW-846 8082A	6/5/12	6/7/12 11:14	MJC
Aroclor-1268 [1]	ND	20	mg/Kg	200		SW-846 8082A	6/5/12	6/7/12 11:14	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	*	30-150		S-01					6/7/12 11:14
Decachlorobiphenyl [2]	*	30-150		S-01					6/7/12 11:14
Tetrachloro-m-xylene [1]	*	30-150		S-01					6/7/12 11:14
Tetrachloro-m-xylene [2]	*	30-150		S-01					6/7/12 11:14

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Project Location: Osborne Hill School

Sample Description:

Work Order: 12F0102

Date Received: 6/4/2012

Field Sample #: W.F.C. Sub 11 - C1 Fac. A

Sampled: 6/2/2012 00:00

Sample ID: 12F0102-11

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	19	mg/Kg	200		SW-846 8082A	6/5/12	6/7/12 11:27	MJC
Aroclor-1221 [1]	ND	19	mg/Kg	200		SW-846 8082A	6/5/12	6/7/12 11:27	MJC
Aroclor-1232 [1]	ND	19	mg/Kg	200		SW-846 8082A	6/5/12	6/7/12 11:27	MJC
Aroclor-1242 [1]	ND	19	mg/Kg	200		SW-846 8082A	6/5/12	6/7/12 11:27	MJC
Aroclor-1248 [1]	ND	19	mg/Kg	200		SW-846 8082A	6/5/12	6/7/12 11:27	MJC
Aroclor-1254 [1]	220	19	mg/Kg	200		SW-846 8082A	6/5/12	6/7/12 11:27	MJC
Aroclor-1260 [1]	ND	19	mg/Kg	200		SW-846 8082A	6/5/12	6/7/12 11:27	MJC
Aroclor-1262 [1]	ND	19	mg/Kg	200		SW-846 8082A	6/5/12	6/7/12 11:27	MJC
Aroclor-1268 [1]	ND	19	mg/Kg	200		SW-846 8082A	6/5/12	6/7/12 11:27	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01				6/7/12 11:27
Decachlorobiphenyl [2]	*		30-150		S-01				6/7/12 11:27
Tetrachloro-m-xylene [1]	*		30-150		S-01				6/7/12 11:27
Tetrachloro-m-xylene [2]	*		30-150		S-01				6/7/12 11:27

Sample Extraction Data
Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
12F0102-01 [W.F.C. Sub 01 - C1 RM 104]	B052787	2.00	10.0	06/05/12
12F0102-02 [W.F.C. Sub 02 - C1 RM 105]	B052787	2.00	10.0	06/05/12
12F0102-03 [W.F.C. Sub 03 - C1 RM 106]	B052787	2.00	10.0	06/05/12
12F0102-04 [W.F.C. Sub 04 - C1 RM 112]	B052787	2.10	10.0	06/05/12
12F0102-05 [W.F.C. Sub 05 - C1 RM 125]	B052787	2.10	10.0	06/05/12
12F0102-06 [W.F.C. Sub 06 - C1 Ext Fac. A]	B052787	2.00	10.0	06/05/12
12F0102-07 [W.F.C. Sub 07 - C1 Ext Fac. B]	B052787	1.80	10.0	06/05/12
12F0102-08 [W.F.C. Sub 08 - C1 Ext Fac. C]	B052787	2.00	10.0	06/05/12
12F0102-09 [W.F.C. Sub 09 - C1 Ext Fac. C]	B052787	2.00	10.0	06/05/12
12F0102-10 [W.F.C. Sub 10 - C1 Ext Fac. D]	B052787	2.00	10.0	06/05/12
12F0102-11 [W.F.C. Sub 11 - C1 Fac. A]	B052787	2.10	10.0	06/05/12

QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch B052787 - SW-846 3540C

Blank (B052787-BLK1)					Prepared: 06/05/12 Analyzed: 06/07/12					
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	1.13	mg/Kg	1.00		113	30-150				
Surrogate: Decachlorobiphenyl [2C]	1.14	mg/Kg	1.00		114	30-150				
Surrogate: Tetrachloro-m-xylene	1.12	mg/Kg	1.00		112	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	1.17	mg/Kg	1.00		117	30-150				

LCS (B052787-BS1)					Prepared: 06/05/12 Analyzed: 06/07/12					
Aroclor-1016	0.28	0.10	mg/Kg	0.250		113	40-140			
Aroclor-1016 [2C]	0.29	0.10	mg/Kg	0.250		116	40-140			
Aroclor-1260	0.30	0.10	mg/Kg	0.250		120	40-140			
Aroclor-1260 [2C]	0.30	0.10	mg/Kg	0.250		121	40-140			
Surrogate: Decachlorobiphenyl	1.12	mg/Kg	1.00		112	30-150				
Surrogate: Decachlorobiphenyl [2C]	1.15	mg/Kg	1.00		115	30-150				
Surrogate: Tetrachloro-m-xylene	1.09	mg/Kg	1.00		109	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	1.14	mg/Kg	1.00		114	30-150				

LCS Dup (B052787-BSD1)					Prepared: 06/05/12 Analyzed: 06/07/12					
Aroclor-1016	0.29	0.10	mg/Kg	0.250		116	40-140	2.81	30	
Aroclor-1016 [2C]	0.31	0.10	mg/Kg	0.250		123	40-140	6.60	30	
Aroclor-1260	0.30	0.10	mg/Kg	0.250		118	40-140	1.07	30	
Aroclor-1260 [2C]	0.31	0.10	mg/Kg	0.250		123	40-140	1.09	30	
Surrogate: Decachlorobiphenyl	1.13	mg/Kg	1.00		113	30-150				
Surrogate: Decachlorobiphenyl [2C]	1.15	mg/Kg	1.00		115	30-150				
Surrogate: Tetrachloro-m-xylene	1.08	mg/Kg	1.00		108	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	1.14	mg/Kg	1.00		114	30-150				

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 B052787 - SW-846 3540C

Matrix Spike (B052787-MS1)	Source: 12F0102-03			Prepared: 06/05/12 Analyzed: 06/07/12					
Aroclor-1016	0.25	0.087	mg/Kg	0.217	0.0	113	40-140		
Aroclor-1016 [2C]	0.30	0.087	mg/Kg	0.217	0.0	139	40-140		
Aroclor-1260	0.28	0.087	mg/Kg	0.217	0.0	127	40-140		
Aroclor-1260 [2C]	0.26	0.087	mg/Kg	0.217	0.0	118	40-140		
Surrogate: Decachlorobiphenyl	0.885		mg/Kg	0.870		102	30-150		
Surrogate: Decachlorobiphenyl [2C]	0.889		mg/Kg	0.870		102	30-150		
Surrogate: Tetrachloro-m-xylene	0.865		mg/Kg	0.870		99.5	30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.885		mg/Kg	0.870		102	30-150		
Matrix Spike Dup (B052787-MSD1)	Source: 12F0102-03			Prepared: 06/05/12 Analyzed: 06/07/12					
Aroclor-1016	0.25	0.087	mg/Kg	0.217	0.0	115	40-140	1.66	50
Aroclor-1016 [2C]	0.31	0.087	mg/Kg	0.217	0.0	141 *	40-140	1.29	50
Aroclor-1260	0.27	0.087	mg/Kg	0.217	0.0	122	40-140	3.87	50
Aroclor-1260 [2C]	0.26	0.087	mg/Kg	0.217	0.0	120	40-140	1.22	50
Surrogate: Decachlorobiphenyl	0.926		mg/Kg	0.870		106	30-150		
Surrogate: Decachlorobiphenyl [2C]	0.934		mg/Kg	0.870		107	30-150		
Surrogate: Tetrachloro-m-xylene	0.906		mg/Kg	0.870		104	30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.931		mg/Kg	0.870		107	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.
- MS-24 Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.
- 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
<i>SW-846 8082A in Product/Solid</i>	
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	06/30/2012
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

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 2

ANALYSIS REQUESTED										# of Containers																																																																																																															
										** Preservation																																																																																																															
Address:		P.O. Box 423		Project #						*** Container Code																																																																																																															
Attention:		Mr. Jason Pringle		Client PO#						Dissolved Metals																																																																																																															
Project Location:		Osborne Hill School		DATA DELIVERY (check all that apply)						O Field Filtered																																																																																																															
Sampled By:		Richard Onofrio/Jason Pringle		O FAX		O EMAIL				O Lab to Filter																																																																																																															
Project Proposal Provided? (for billing purposes)				Fax #						*** Cont. Code:																																																																																																															
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<table border="1"> <thead> <tr> <th>Con-Test Lab ID (laboratory use only)</th> <th>Client Sample ID / Description</th> <th>Beginning Date/Time</th> <th>Ending Date/Time</th> <th>Composite</th> <th>Grab</th> <th>* Matrix Code</th> <th>Conc. Unit</th> <th></th> <th></th> </tr> </thead> <tbody> <tr><td>01</td><td>W.F.C Sub 01 - C1 Rm 104</td><td>6-2 9 AM</td><td></td><td></td><td>S</td><td></td><td>✓</td><td></td><td></td></tr> <tr><td>02</td><td>WFL Sub 02 C1 Rm 105</td><td></td><td></td><td></td><td></td><td>J</td><td></td><td></td><td></td></tr> <tr><td>03</td><td>WFL Sub 03 C1 Rm 106</td><td></td><td></td><td></td><td></td><td>J</td><td></td><td></td><td></td></tr> <tr><td>04</td><td>WFL Sub 04 C1 Rm 112</td><td></td><td></td><td></td><td></td><td>J</td><td></td><td></td><td></td></tr> <tr><td>05</td><td>WFL Sub 05 C1 Rm 125</td><td></td><td></td><td></td><td></td><td>J</td><td></td><td></td><td></td></tr> <tr><td>06</td><td>WFL Sub 06 C1 Ext. Fac.</td><td></td><td></td><td></td><td></td><td>J</td><td></td><td></td><td></td></tr> <tr><td>07</td><td>WFL Sub 07 C1 Ext. Fac.B</td><td></td><td></td><td></td><td></td><td>J</td><td></td><td></td><td></td></tr> <tr><td>08</td><td>WFL Sub 08 C1 Ext. Fac.C</td><td></td><td></td><td></td><td></td><td>J</td><td></td><td></td><td></td></tr> <tr><td>09</td><td>WFL Sub 09 C1 Ext. Fac.C</td><td></td><td></td><td></td><td></td><td>J</td><td></td><td></td><td></td></tr> <tr><td>10</td><td>WFL Sub 10 C1 Ext. Fac.D</td><td></td><td></td><td></td><td></td><td>J</td><td></td><td></td><td></td></tr> </tbody> </table>										Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	* Matrix Code	Conc. Unit			01	W.F.C Sub 01 - C1 Rm 104	6-2 9 AM			S		✓			02	WFL Sub 02 C1 Rm 105					J				03	WFL Sub 03 C1 Rm 106					J				04	WFL Sub 04 C1 Rm 112					J				05	WFL Sub 05 C1 Rm 125					J				06	WFL Sub 06 C1 Ext. Fac.					J				07	WFL Sub 07 C1 Ext. Fac.B					J				08	WFL Sub 08 C1 Ext. Fac.C					J				09	WFL Sub 09 C1 Ext. Fac.C					J				10	WFL Sub 10 C1 Ext. Fac.D					J				Box#104 808C	
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<p>Is your project MCP or RCP ?</p> <p><input type="radio"/> MCP Form Required</p> <p><input type="radio"/> RCP Form Required</p> <p><input type="radio"/> MA State DW Form Required PWSDID # _____</p>																																																																																																																									
<p>Turnaround[†]</p> <p>Date/Time: <u>6/1/17</u> <input type="checkbox"/> 7-Day</p> <p>Date/Time: <u>6/1/17</u> <input type="checkbox"/> 10-Day</p> <p>Date/Time: <u>6/1/17</u> <input type="checkbox"/> Other _____</p> <p>Connecticut: <u>C1 Rm</u></p> <p>RUSH[†]</p> <p><input type="checkbox"/> 24-Hr <input type="checkbox"/> 48-Hr</p> <p><input type="checkbox"/> 72-Hr <input type="checkbox"/> 4-Day</p> <p>Other: _____</p>																																																																																																																									
<p>Relinquished by: <u>signature</u></p> <p>Received by: <u>signature</u></p> <p>Relinquished by: <u>signature</u></p> <p>Received by: <u>signature</u></p> <p>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 IT IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.</p> <p>PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT</p>																																																																																																																									
<p>ACREDITED IN ACCORDANCE WITH NELAC AND AIHA STANDARDS</p> <p>NELAC & AIHA Certified</p> <p>WBE/DBE Certified</p>																																																																																																																									



CHAIN OF CUSTODY RECORD

39 Spruce Street
East longmeadow, MA 01028

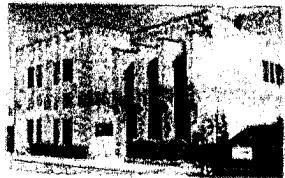
Page _____ of _____

Company Name: AMC Environmental, LLC		Telephone: 203-378-5020		# of Containers	
Address: P.O. Box 423		Project #		** Preservation	
Stratford, CT 06615		Client PO#		*** Container Code	
Attention: Mr. Jason Pringle		DATA DELIVERY (check all that apply)		Dissolved Metals	
Project Location: Osborne Hill School		<input type="radio"/> FAX <input checked="" type="radio"/> EMAIL <input type="checkbox"/> WEBSITE		<input type="radio"/> Field Filtered	
Sampled By: Richard Onofrio/Jason Pringle		Fax #		<input type="radio"/> Lab to Filter	
Project Proposal Provided? (for billing purposes)		Email: results@amcenviro.com		*** Cont. Code:	
<input type="radio"/> yes <input type="checkbox"/> proposal date		Format: <input checked="" type="radio"/> PDF <input type="radio"/> EXCEL <input type="checkbox"/> GIS		A=Amber glass	
		<input type="radio"/> "Enhanced Data Package"		G=Glass	
		<input type="radio"/> "Conc. Code"		P=plastic	
		<input type="radio"/> "Matrix Code"		ST=sterile	
		<input type="radio"/> "Conc. Code"		V=vial	
		<input type="radio"/> "Matrix Code"		S=summa can	
		<input type="radio"/> "Matrix Code"		T=tetra bag	
		<input type="radio"/> "Matrix Code"		O=Other	
		<input type="radio"/> "Matrix Code"		***Preservation	
		<input type="radio"/> "Matrix Code"		I=Ice	
		<input type="radio"/> "Matrix Code"		H=HCL	
		<input type="radio"/> "Matrix Code"		M=Methanol	
		<input type="radio"/> "Matrix Code"		N=Nitric Acid	
		<input type="radio"/> "Matrix Code"		S=Sulfuric Acid	
		<input type="radio"/> "Matrix Code"		B=Sodium bisulfate	
		<input type="radio"/> "Matrix Code"		X=Na hydroxide	
		<input type="radio"/> "Matrix Code"		T=Na thiosulfate	
		<input type="radio"/> "Matrix Code"		O=Other	
		<input type="radio"/> "Matrix Code"		H - High; M - Medium; L - Low; C - Clean; U - Unknown	
Comments:		Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:			
Relinquished by: (signature)		Date/Time: <input checked="" type="checkbox"/> 7-Day		Detection Limit Requirements	
Received by: (signature)		Date/Time: <input type="checkbox"/> 10-Day		Massachusetts: _____	
Relinquished by: (signature)		Date/Time: <input type="checkbox"/> Other _____		Other: _____	
Received by: (signature) <i>20.7</i>		Date/Time: <input checked="" type="checkbox"/> RUSH [†]		Connecticut: <i>CT</i>	
Received by: (signature) <i>John P. Pringle 4/4/12</i>		Date/Time: <input type="checkbox"/> 24-Hr <input type="checkbox"/> 48-Hr <input type="checkbox"/> 1/2-Hr <input type="checkbox"/> 4-Day		Other: _____	
				Is your project MCP or RCP?	
				<input type="radio"/> MCP Form Required <input type="radio"/> RCP Form Required <input checked="" type="radio"/> MA State DW Form Required PWSID# _____	
				*Matrix Code: GW=groundwater WW=wastewater DW=drinking water A = air S = soil/solid SL = sludge O = other	
				<small>ACCREDITED IN ACCORDANCE WITH THE NATIONAL ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM</small> NELAC <small>AN ASSOCIATION OF INDUSTRIAL HYGIENE</small> AIHA <small>AN ASSOCIATION OF INDUSTRIAL HYGIENE</small>	
				NELAC & AIHA Certified WBE/DBE Certified	
INCORRECT 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					

THEIR ANSWERS TO THE QUESTIONS ASKED BY THE COMMITTEE.

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 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?

If not, explain:

3) Are all the samples in good condition?

If not, explain:

Yes No

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 20.9

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	<u>11</u>
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 _____

Time and Date Frozen:

Doc# 277

Bisulfate _____ # DI Water _____

Rev. 2 Sept 2011

Thiosulfate _____ Unpreserved _____

October 11, 2012

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

Project Location: Osborn Hill
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 12J0172

Enclosed are results of analyses for samples received by the laboratory on October 4, 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:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12J0172

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

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
10-2 Sub 01-1	12J0172-01	Product/Solid	CMU Source Rm 116 DFC T-5	SW-846 8082A	
10-2 Sub 01-2	12J0172-02	Product/Solid	CMU Source Rm 118 DFC T-5	SW-846 8082A	
10-2 Sub 01-3	12J0172-03	Product/Solid	CMU Source Rm 120 DFC T-5	SW-846 8082A	
10-2 Sub 02-1	12J0172-04	Product/Solid	CMU Mortor Rm 116 DFC T-5	SW-846 8082A	
10-2 Sub 02-2	12J0172-05	Product/Solid	CMU Mortor Rm 118 DFC T-5	SW-846 8082A	
10-2 Sub 02-3	12J0172-06	Product/Solid	CMU Mortor Rm 120 DFC T-5	SW-846 8082A	
10-2 Sub 03-1	12J0172-07	Product/Solid	CMU Source Rm 118 WFC T-5	SW-846 8082A	
10-2 Sub 03-2	12J0172-08	Product/Solid	CMU Source Rm 116 WFC T-5	SW-846 8082A	
10-2 Sub 04-1	12J0172-09	Product/Solid	CMU Mortor Rm 118 WFC T-5	SW-846 8082A	
10-2 Sub 04-2	12J0172-10	Product/Solid	CMU Mortor Rm 116 WFC T-5	SW-846 8082A	
10-2 Sub 01-T-5	12J0172-11	Caulk	WFC Rm 116 + 118	SW-846 8082A	
10-2 Sub 02-T-5	12J0172-12	Caulk	WFC Rm 116 + 118	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.

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 [2C], Aroclor-1260, Aroclor-1260 [2C]

B060423-MS1, B060423-MSD1

Sample contains two incompletely resolved aroclors. Aroclor with the closest matching pattern is reported.

Analyte & Samples(s) Qualified:

Aroclor-1254

12J0172-07[10-2 Sub 03-1], 12J0172-08[10-2 Sub 03-2]

Sample fingerprint does not match standard exactly. Sample was quantitated against the closest matching standard.

Analyte & Samples(s) Qualified:

Aroclor-1248 [2C], Aroclor-1254, Aroclor-1254 [2C]

12J0172-01[10-2 Sub 01-1], 12J0172-04[10-2 Sub 02-1]

Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. The higher result was reported.

Analyte & Samples(s) Qualified:

Aroclor-1248 [2C]

12J0172-01[10-2 Sub 01-1], 12J0172-06[10-2 Sub 02-3]

Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported.

Analyte & Samples(s) Qualified:

Aroclor-1254

12J0172-11[10-2 Sub 01-T-5], 12J0172-12[10-2 Sub 02-T-5]

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]

12J0172-12[10-2 Sub 02-T-5]

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

Aroclor-1260 [2C]

B060451-BS1, B060451-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.



Michael A. Erickson
Laboratory Director

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

Project Location: Osborn Hill

Sample Description: CMU Source Rm 116 DFC T-5

Work Order: 12J0172

Date Received: 10/4/2012

Field Sample #: 10-2 Sub 01-1

Sampled: 10/2/2012 00:00

Sample ID: 12J0172-01

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet 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	10/9/12	10/11/12 9:46	MJC
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/9/12	10/11/12 9:46	MJC
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/9/12	10/11/12 9:46	MJC
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/9/12	10/11/12 9:46	MJC
Aroclor-1248 [2]	1.8	0.48	mg/Kg	5	O-04, P-01	SW-846 8082A	10/9/12	10/11/12 9:46	MJC
Aroclor-1254 [2]	1.3	0.48	mg/Kg	5	O-04	SW-846 8082A	10/9/12	10/11/12 9:46	MJC
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/9/12	10/11/12 9:46	MJC
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/9/12	10/11/12 9:46	MJC
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/9/12	10/11/12 9:46	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	103	30-150							10/11/12 9:46
Decachlorobiphenyl [2]	100	30-150							10/11/12 9:46
Tetrachloro-m-xylene [1]	89.5	30-150							10/11/12 9:46
Tetrachloro-m-xylene [2]	100	30-150							10/11/12 9:46

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

Project Location: Osborn Hill

Sample Description: CMU Source Rm 118 DFC T-5

Work Order: 12J0172

Date Received: 10/4/2012

Field Sample #: 10-2 Sub 01-2

Sampled: 10/2/2012 00:00

Sample ID: 12J0172-02

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.36	mg/Kg	4		SW-846 8082A	10/9/12	10/11/12 10:51	MJC
Aroclor-1221 [1]	ND	0.36	mg/Kg	4		SW-846 8082A	10/9/12	10/11/12 10:51	MJC
Aroclor-1232 [1]	ND	0.36	mg/Kg	4		SW-846 8082A	10/9/12	10/11/12 10:51	MJC
Aroclor-1242 [1]	ND	0.36	mg/Kg	4		SW-846 8082A	10/9/12	10/11/12 10:51	MJC
Aroclor-1248 [1]	ND	0.36	mg/Kg	4		SW-846 8082A	10/9/12	10/11/12 10:51	MJC
Aroclor-1254 [1]	2.4	0.36	mg/Kg	4		SW-846 8082A	10/9/12	10/11/12 10:51	MJC
Aroclor-1260 [1]	ND	0.36	mg/Kg	4		SW-846 8082A	10/9/12	10/11/12 10:51	MJC
Aroclor-1262 [1]	ND	0.36	mg/Kg	4		SW-846 8082A	10/9/12	10/11/12 10:51	MJC
Aroclor-1268 [1]	ND	0.36	mg/Kg	4		SW-846 8082A	10/9/12	10/11/12 10:51	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	89.7	30-150					10/11/12 10:51		
Decachlorobiphenyl [2]	91.5	30-150					10/11/12 10:51		
Tetrachloro-m-xylene [1]	76.4	30-150					10/11/12 10:51		
Tetrachloro-m-xylene [2]	86.9	30-150					10/11/12 10:51		

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Project Location: Osborn Hill

Sample Description: CMU Source Rm 120 DFC T-5

Work Order: 12J0172

Date Received: 10/4/2012

Field Sample #: 10-2 Sub 01-3

Sampled: 10/2/2012 00:00

Sample ID: 12J0172-03

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	10/9/12	10/11/12 11:04	MJC
Aroclor-1221 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	10/9/12	10/11/12 11:04	MJC
Aroclor-1232 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	10/9/12	10/11/12 11:04	MJC
Aroclor-1242 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	10/9/12	10/11/12 11:04	MJC
Aroclor-1248 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	10/9/12	10/11/12 11:04	MJC
Aroclor-1254 [1]	4.9	2.0	mg/Kg	20		SW-846 8082A	10/9/12	10/11/12 11:04	MJC
Aroclor-1260 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	10/9/12	10/11/12 11:04	MJC
Aroclor-1262 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	10/9/12	10/11/12 11:04	MJC
Aroclor-1268 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	10/9/12	10/11/12 11:04	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	101	30-150					10/11/12 11:04		
Decachlorobiphenyl [2]	98.2	30-150					10/11/12 11:04		
Tetrachloro-m-xylene [1]	87.4	30-150					10/11/12 11:04		
Tetrachloro-m-xylene [2]	89.4	30-150					10/11/12 11:04		

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Project Location: Osborn Hill

Sample Description: CMU Mortor Rm 116 DFC T-5

Work Order: 12J0172

Date Received: 10/4/2012

Field Sample #: 10-2 Sub 02-1

Sampled: 10/2/2012 00:00

Sample ID: 12J0172-04

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/9/12	10/11/12 9:59	MJC
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/9/12	10/11/12 9:59	MJC
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/9/12	10/11/12 9:59	MJC
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/9/12	10/11/12 9:59	MJC
Aroclor-1248 [2]	1.3	0.50	mg/Kg	5	O-04	SW-846 8082A	10/9/12	10/11/12 9:59	MJC
Aroclor-1254 [1]	1.4	0.50	mg/Kg	5	O-04	SW-846 8082A	10/9/12	10/11/12 9:59	MJC
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/9/12	10/11/12 9:59	MJC
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/9/12	10/11/12 9:59	MJC
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/9/12	10/11/12 9:59	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	112	30-150						10/11/12 9:59	
Decachlorobiphenyl [2]	110	30-150						10/11/12 9:59	
Tetrachloro-m-xylene [1]	99.6	30-150						10/11/12 9:59	
Tetrachloro-m-xylene [2]	113	30-150						10/11/12 9:59	

Project Location: Osborn Hill

Sample Description: CMU Mortor Rm 118 DFC T-5

Work Order: 12J0172

Date Received: 10/4/2012

Field Sample #: 10-2 Sub 02-2

Sampled: 10/2/2012 00:00

Sample ID: 12J0172-05

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.7	mg/Kg	20		SW-846 8082A	10/9/12	10/11/12 11:17	MJC
Aroclor-1221 [1]	ND	1.7	mg/Kg	20		SW-846 8082A	10/9/12	10/11/12 11:17	MJC
Aroclor-1232 [1]	ND	1.7	mg/Kg	20		SW-846 8082A	10/9/12	10/11/12 11:17	MJC
Aroclor-1242 [1]	ND	1.7	mg/Kg	20		SW-846 8082A	10/9/12	10/11/12 11:17	MJC
Aroclor-1248 [1]	ND	1.7	mg/Kg	20		SW-846 8082A	10/9/12	10/11/12 11:17	MJC
Aroclor-1254 [2]	4.1	1.7	mg/Kg	20		SW-846 8082A	10/9/12	10/11/12 11:17	MJC
Aroclor-1260 [1]	ND	1.7	mg/Kg	20		SW-846 8082A	10/9/12	10/11/12 11:17	MJC
Aroclor-1262 [1]	ND	1.7	mg/Kg	20		SW-846 8082A	10/9/12	10/11/12 11:17	MJC
Aroclor-1268 [1]	ND	1.7	mg/Kg	20		SW-846 8082A	10/9/12	10/11/12 11:17	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		115	30-150					10/11/12 11:17	
Decachlorobiphenyl [2]		100	30-150					10/11/12 11:17	
Tetrachloro-m-xylene [1]		89.4	30-150					10/11/12 11:17	
Tetrachloro-m-xylene [2]		95.8	30-150					10/11/12 11:17	

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Project Location: Osborn Hill

Sample Description: CMU Mortor Rm 120 DFC T-5

Work Order: 12J0172

Date Received: 10/4/2012

Field Sample #: 10-2 Sub 02-3

Sampled: 10/2/2012 00:00

Sample ID: 12J0172-06

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet 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	10/9/12	10/11/12 10:12	MJC
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/9/12	10/11/12 10:12	MJC
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/9/12	10/11/12 10:12	MJC
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/9/12	10/11/12 10:12	MJC
Aroclor-1248 [2]	1.5	0.48	mg/Kg	5	P-01	SW-846 8082A	10/9/12	10/11/12 10:12	MJC
Aroclor-1254 [2]	1.2	0.48	mg/Kg	5		SW-846 8082A	10/9/12	10/11/12 10:12	MJC
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/9/12	10/11/12 10:12	MJC
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/9/12	10/11/12 10:12	MJC
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/9/12	10/11/12 10:12	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	99.4	30-150						10/11/12 10:12	
Decachlorobiphenyl [2]	95.4	30-150						10/11/12 10:12	
Tetrachloro-m-xylene [1]	85.3	30-150						10/11/12 10:12	
Tetrachloro-m-xylene [2]	95.8	30-150						10/11/12 10:12	

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Project Location: Osborn Hill

Sample Description: CMU Source Rm 118 WFC T-5

Work Order: 12J0172

Date Received: 10/4/2012

Field Sample #: 10-2 Sub 03-1

Sampled: 10/2/2012 00:00

Sample ID: 12J0172-07

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet 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	10/9/12	10/11/12 10:25	MJC
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/9/12	10/11/12 10:25	MJC
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/9/12	10/11/12 10:25	MJC
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/9/12	10/11/12 10:25	MJC
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/9/12	10/11/12 10:25	MJC
Aroclor-1254 [1]	3.1	0.48	mg/Kg	5	O-03	SW-846 8082A	10/9/12	10/11/12 10:25	MJC
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/9/12	10/11/12 10:25	MJC
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/9/12	10/11/12 10:25	MJC
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/9/12	10/11/12 10:25	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	94.7	30-150						10/11/12 10:25	
Decachlorobiphenyl [2]	94.9	30-150						10/11/12 10:25	
Tetrachloro-m-xylene [1]	84.0	30-150						10/11/12 10:25	
Tetrachloro-m-xylene [2]	95.0	30-150						10/11/12 10:25	

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Project Location: Osborn Hill

Sample Description: CMU Source Rm 116 WFC T-5

Work Order: 12J0172

Date Received: 10/4/2012

Field Sample #: 10-2 Sub 03-2

Sampled: 10/2/2012 00:00

Sample ID: 12J0172-08

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/9/12	10/11/12 10:38	MJC
Aroclor-1221 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/9/12	10/11/12 10:38	MJC
Aroclor-1232 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/9/12	10/11/12 10:38	MJC
Aroclor-1242 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/9/12	10/11/12 10:38	MJC
Aroclor-1248 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/9/12	10/11/12 10:38	MJC
Aroclor-1254 [1]	2.7	0.45	mg/Kg	5	O-03	SW-846 8082A	10/9/12	10/11/12 10:38	MJC
Aroclor-1260 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/9/12	10/11/12 10:38	MJC
Aroclor-1262 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/9/12	10/11/12 10:38	MJC
Aroclor-1268 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/9/12	10/11/12 10:38	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	105	30-150						10/11/12 10:38	
Decachlorobiphenyl [2]	105	30-150						10/11/12 10:38	
Tetrachloro-m-xylene [1]	93.0	30-150						10/11/12 10:38	
Tetrachloro-m-xylene [2]	109	30-150						10/11/12 10:38	

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Project Location: Osborn Hill

Sample Description: CMU Mortor Rm 118 WFC T-5

Work Order: 12J0172

Date Received: 10/4/2012

Field Sample #: 10-2 Sub 04-1

Sampled: 10/2/2012 00:00

Sample ID: 12J0172-09

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	10/9/12	10/11/12 11:30	MJC
Aroclor-1221 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	10/9/12	10/11/12 11:30	MJC
Aroclor-1232 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	10/9/12	10/11/12 11:30	MJC
Aroclor-1242 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	10/9/12	10/11/12 11:30	MJC
Aroclor-1248 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	10/9/12	10/11/12 11:30	MJC
Aroclor-1254 [1]	2.2	2.0	mg/Kg	20		SW-846 8082A	10/9/12	10/11/12 11:30	MJC
Aroclor-1260 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	10/9/12	10/11/12 11:30	MJC
Aroclor-1262 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	10/9/12	10/11/12 11:30	MJC
Aroclor-1268 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	10/9/12	10/11/12 11:30	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	103	30-150							10/11/12 11:30
Decachlorobiphenyl [2]	99.0	30-150							10/11/12 11:30
Tetrachloro-m-xylene [1]	89.3	30-150							10/11/12 11:30
Tetrachloro-m-xylene [2]	95.2	30-150							10/11/12 11:30

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Project Location: Osborn Hill

Sample Description: CMU Mortor Rm 116 WFC T-5

Work Order: 12J0172

Date Received: 10/4/2012

Field Sample #: 10-2 Sub 04-2

Sampled: 10/2/2012 00:00

Sample ID: 12J0172-10

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.38	mg/Kg	4		SW-846 8082A	10/9/12	10/11/12 11:42	MJC
Aroclor-1221 [1]	ND	0.38	mg/Kg	4		SW-846 8082A	10/9/12	10/11/12 11:42	MJC
Aroclor-1232 [1]	ND	0.38	mg/Kg	4		SW-846 8082A	10/9/12	10/11/12 11:42	MJC
Aroclor-1242 [1]	ND	0.38	mg/Kg	4		SW-846 8082A	10/9/12	10/11/12 11:42	MJC
Aroclor-1248 [1]	ND	0.38	mg/Kg	4		SW-846 8082A	10/9/12	10/11/12 11:42	MJC
Aroclor-1254 [2]	1.3	0.38	mg/Kg	4		SW-846 8082A	10/9/12	10/11/12 11:42	MJC
Aroclor-1260 [1]	ND	0.38	mg/Kg	4		SW-846 8082A	10/9/12	10/11/12 11:42	MJC
Aroclor-1262 [1]	ND	0.38	mg/Kg	4		SW-846 8082A	10/9/12	10/11/12 11:42	MJC
Aroclor-1268 [1]	ND	0.38	mg/Kg	4		SW-846 8082A	10/9/12	10/11/12 11:42	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	90.4	30-150						10/11/12 11:42	
Decachlorobiphenyl [2]	94.6	30-150						10/11/12 11:42	
Tetrachloro-m-xylene [1]	86.9	30-150						10/11/12 11:42	
Tetrachloro-m-xylene [2]	98.3	30-150						10/11/12 11:42	

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Project Location: Osborn Hill

Sample Description: WFC Rm 116 + 118

Work Order: 12J0172

Date Received: 10/4/2012

Field Sample #: 10-2 Sub 01-T-5

Sampled: 10/2/2012 00:00

Sample ID: 12J0172-11

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	10/9/12	10/11/12 13:13	MJC
Aroclor-1221 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	10/9/12	10/11/12 13:13	MJC
Aroclor-1232 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	10/9/12	10/11/12 13:13	MJC
Aroclor-1242 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	10/9/12	10/11/12 13:13	MJC
Aroclor-1248 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	10/9/12	10/11/12 13:13	MJC
Aroclor-1254 [1]	7.2	0.78	mg/Kg	4	P-04	SW-846 8082A	10/9/12	10/11/12 13:13	MJC
Aroclor-1260 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	10/9/12	10/11/12 13:13	MJC
Aroclor-1262 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	10/9/12	10/11/12 13:13	MJC
Aroclor-1268 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	10/9/12	10/11/12 13:13	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	65.7	30-150						10/11/12 13:13	
Decachlorobiphenyl [2]	52.9	30-150						10/11/12 13:13	
Tetrachloro-m-xylene [1]	103	30-150						10/11/12 13:13	
Tetrachloro-m-xylene [2]	108	30-150						10/11/12 13:13	

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

Project Location: Osborn Hill

Sample Description: WFC Rm 116 + 118

Work Order: 12J0172

Date Received: 10/4/2012

Field Sample #: 10-2 Sub 02-T-5

Sampled: 10/2/2012 00:00

Sample ID: 12J0172-12

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.4	mg/Kg	50		SW-846 8082A	10/9/12	10/11/12 13:26	MJC
Aroclor-1221 [1]	ND	9.4	mg/Kg	50		SW-846 8082A	10/9/12	10/11/12 13:26	MJC
Aroclor-1232 [1]	ND	9.4	mg/Kg	50		SW-846 8082A	10/9/12	10/11/12 13:26	MJC
Aroclor-1242 [1]	ND	9.4	mg/Kg	50		SW-846 8082A	10/9/12	10/11/12 13:26	MJC
Aroclor-1248 [1]	ND	9.4	mg/Kg	50		SW-846 8082A	10/9/12	10/11/12 13:26	MJC
Aroclor-1254 [1]	28	9.4	mg/Kg	50	P-04	SW-846 8082A	10/9/12	10/11/12 13:26	MJC
Aroclor-1260 [1]	ND	9.4	mg/Kg	50		SW-846 8082A	10/9/12	10/11/12 13:26	MJC
Aroclor-1262 [1]	ND	9.4	mg/Kg	50		SW-846 8082A	10/9/12	10/11/12 13:26	MJC
Aroclor-1268 [1]	ND	9.4	mg/Kg	50		SW-846 8082A	10/9/12	10/11/12 13:26	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	*	30-150				S-01			10/11/12 13:26
Decachlorobiphenyl [2]	*	30-150				S-01			10/11/12 13:26
Tetrachloro-m-xylene [1]	*	30-150				S-01			10/11/12 13:26
Tetrachloro-m-xylene [2]	*	30-150				S-01			10/11/12 13:26

Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
12J0172-11 [10-2 Sub 01-T-5]	B060451	0.516	10.0	10/09/12
12J0172-12 [10-2 Sub 02-T-5]	B060451	0.533	10.0	10/09/12

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
12J0172-01 [10-2 Sub 01-1]	B060423	2.10	10.0	10/09/12
12J0172-02 [10-2 Sub 01-2]	B060423	2.20	10.0	10/09/12
12J0172-03 [10-2 Sub 01-3]	B060423	2.00	10.0	10/09/12
12J0172-04 [10-2 Sub 02-1]	B060423	2.00	10.0	10/09/12
12J0172-05 [10-2 Sub 02-2]	B060423	2.30	10.0	10/09/12
12J0172-06 [10-2 Sub 02-3]	B060423	2.10	10.0	10/09/12
12J0172-07 [10-2 Sub 03-1]	B060423	2.10	10.0	10/09/12
12J0172-08 [10-2 Sub 03-2]	B060423	2.20	10.0	10/09/12
12J0172-09 [10-2 Sub 04-1]	B060423	2.00	10.0	10/09/12
12J0172-10 [10-2 Sub 04-2]	B060423	2.10	10.0	10/09/12

QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch B060423 - SW-846 3540C

Blank (B060423-BLK1)					Prepared: 10/09/12 Analyzed: 10/10/12					
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	0.968		mg/Kg	1.00		96.8		30-150		
Surrogate: Decachlorobiphenyl [2C]	0.998		mg/Kg	1.00		99.8		30-150		
Surrogate: Tetrachloro-m-xylene	0.905		mg/Kg	1.00		90.5		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	1.06		mg/Kg	1.00		106		30-150		

LCS (B060423-BS1)					Prepared: 10/09/12 Analyzed: 10/10/12					
Aroclor-1016	0.23	0.10	mg/Kg	0.250		92.1		40-140		
Aroclor-1016 [2C]	0.20	0.10	mg/Kg	0.250		81.5		40-140		
Aroclor-1260	0.25	0.10	mg/Kg	0.250		100		40-140		
Aroclor-1260 [2C]	0.28	0.10	mg/Kg	0.250		112		40-140		
Surrogate: Decachlorobiphenyl	0.918		mg/Kg	1.00		91.8		30-150		
Surrogate: Decachlorobiphenyl [2C]	0.947		mg/Kg	1.00		94.7		30-150		
Surrogate: Tetrachloro-m-xylene	0.861		mg/Kg	1.00		86.1		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	1.03		mg/Kg	1.00		103		30-150		

LCS Dup (B060423-BSD1)					Prepared: 10/09/12 Analyzed: 10/10/12					
Aroclor-1016	0.21	0.10	mg/Kg	0.250		82.4		40-140	11.2	30
Aroclor-1016 [2C]	0.25	0.10	mg/Kg	0.250		98.1		40-140	18.4	30
Aroclor-1260	0.25	0.10	mg/Kg	0.250		100		40-140	0.00598	30
Aroclor-1260 [2C]	0.27	0.10	mg/Kg	0.250		106		40-140	5.41	30
Surrogate: Decachlorobiphenyl	0.922		mg/Kg	1.00		92.2		30-150		
Surrogate: Decachlorobiphenyl [2C]	0.958		mg/Kg	1.00		95.8		30-150		
Surrogate: Tetrachloro-m-xylene	0.889		mg/Kg	1.00		88.9		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	1.03		mg/Kg	1.00		103		30-150		

QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Limit Notes
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Batch B060423 - SW-846 3540C

Matrix Spike (B060423-MS1)	Source: 12J0172-04	Prepared: 10/09/12 Analyzed: 10/10/12						
Aroclor-1016	0.32	0.10	mg/Kg	0.250	0.0	127	40-140	
Aroclor-1016 [2C]	0.47	0.10	mg/Kg	0.250	0.0	187 *	40-140	MS-21
Aroclor-1260	0.45	0.10	mg/Kg	0.250	0.0	179 *	40-140	MS-21
Aroclor-1260 [2C]	0.51	0.10	mg/Kg	0.250	0.0	205 *	40-140	MS-21

Surrogate: Decachlorobiphenyl	0.950	mg/Kg	1.00	95.0	30-150				
Surrogate: Decachlorobiphenyl [2C]	0.982	mg/Kg	1.00	98.2	30-150				
Surrogate: Tetrachloro-m-xylene	0.802	mg/Kg	1.00	80.2	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	0.943	mg/Kg	1.00	94.3	30-150				

Matrix Spike Dup (B060423-MSD1)	Source: 12J0172-04	Prepared: 10/09/12 Analyzed: 10/10/12						
Aroclor-1016	0.28	0.10	mg/Kg	0.250	0.0	111	40-140	13.9
Aroclor-1016 [2C]	0.41	0.10	mg/Kg	0.250	0.0	163 *	40-140	13.7
Aroclor-1260	0.39	0.10	mg/Kg	0.250	0.0	157 *	40-140	13.4
Aroclor-1260 [2C]	0.40	0.10	mg/Kg	0.250	0.0	160 *	40-140	24.8

Surrogate: Decachlorobiphenyl	0.917	mg/Kg	1.00	91.7	30-150				
Surrogate: Decachlorobiphenyl [2C]	0.958	mg/Kg	1.00	95.8	30-150				
Surrogate: Tetrachloro-m-xylene	0.815	mg/Kg	1.00	81.5	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	0.977	mg/Kg	1.00	97.7	30-150				

Batch B060451 - SW-846 3540C

Blank (B060451-BLK1)	Prepared: 10/09/12 Analyzed: 10/11/12						
Aroclor-1016	ND	0.20	mg/Kg				
Aroclor-1016 [2C]	ND	0.20	mg/Kg				
Aroclor-1221	ND	0.20	mg/Kg				
Aroclor-1221 [2C]	ND	0.20	mg/Kg				
Aroclor-1232	ND	0.20	mg/Kg				
Aroclor-1232 [2C]	ND	0.20	mg/Kg				
Aroclor-1242	ND	0.20	mg/Kg				
Aroclor-1242 [2C]	ND	0.20	mg/Kg				
Aroclor-1248	ND	0.20	mg/Kg				
Aroclor-1248 [2C]	ND	0.20	mg/Kg				
Aroclor-1254	ND	0.20	mg/Kg				
Aroclor-1254 [2C]	ND	0.20	mg/Kg				
Aroclor-1260	ND	0.20	mg/Kg				
Aroclor-1260 [2C]	ND	0.20	mg/Kg				
Aroclor-1262	ND	0.20	mg/Kg				
Aroclor-1262 [2C]	ND	0.20	mg/Kg				
Aroclor-1268	ND	0.20	mg/Kg				
Aroclor-1268 [2C]	ND	0.20	mg/Kg				
Surrogate: Decachlorobiphenyl	3.46	mg/Kg	4.00	86.6	30-150		
Surrogate: Decachlorobiphenyl [2C]	2.63	mg/Kg	4.00	65.6	30-150		
Surrogate: Tetrachloro-m-xylene	3.89	mg/Kg	4.00	97.2	30-150		
Surrogate: Tetrachloro-m-xylene [2C]	3.88	mg/Kg	4.00	96.9	30-150		

QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Limit Notes
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Batch B060451 - SW-846 3540C

LCS (B060451-BS1)								Prepared: 10/09/12 Analyzed: 10/11/12	
Aroclor-1016	3.6	0.20	mg/Kg	4.00	89.8	40-140			
Aroclor-1016 [2C]	3.3	0.20	mg/Kg	4.00	82.3	40-140			
Aroclor-1260	3.2	0.20	mg/Kg	4.00	80.9	40-140			
Aroclor-1260 [2C]	4.0	0.20	mg/Kg	4.00	101	40-140			V-06
Surrogate: Decachlorobiphenyl	3.42		mg/Kg	4.00	85.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.57		mg/Kg	4.00	64.3	30-150			
Surrogate: Tetrachloro-m-xylene	4.00		mg/Kg	4.00	100	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.98		mg/Kg	4.00	99.4	30-150			
LCS Dup (B060451-BSD1)								Prepared: 10/09/12 Analyzed: 10/11/12	
Aroclor-1016	3.7	0.20	mg/Kg	4.00	92.1	40-140	2.54	30	
Aroclor-1016 [2C]	3.8	0.20	mg/Kg	4.00	95.3	40-140	14.7	30	
Aroclor-1260	3.6	0.20	mg/Kg	4.00	89.0	40-140	9.53	30	
Aroclor-1260 [2C]	4.5	0.20	mg/Kg	4.00	112	40-140	10.5	30	V-06
Surrogate: Decachlorobiphenyl	3.75		mg/Kg	4.00	93.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.87		mg/Kg	4.00	71.7	30-150			
Surrogate: Tetrachloro-m-xylene	4.02		mg/Kg	4.00	101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	4.05		mg/Kg	4.00	101	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.

- MS-21 Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
- O-03 Sample contains two incompletely resolved aroclors. Aroclor with the closest matching pattern is reported.
- O-04 Sample fingerprint does not match standard exactly. Sample was quantitated against the closest matching standard.
- P-01 Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. The higher result was reported.
- P-04 Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported.
- 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.
- V-06 Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</i>	
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 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	06/30/2013
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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Phone: 413-525-2332

CHAIN OF CUSTODY RECORD

39 Spruce Street
East longmeadow, MA 01028

Page 1 of 2

CHAIN OF CUSTODY RECORD							Page <u>1</u> of <u>2</u>																																																																																			
Company Name: AMC Environmental				Telephone: 1250172			39 Spruce Street East longmeadow, MA 01028																																																																																			
Address:		P.O. Box 423		Project #		# of Containers																																																																																				
Attention:		Jason Pringle				** Preservatoin																																																																																				
Project Location:		Fairfield Ludlowe HS Osborn Hill				***Container Code:																																																																																				
Sampled By:		Rick Onofrio				Dissolved Meta																																																																																				
Project Proposal Provided? (for billing purposes)						O Field Filtered																																																																																				
O yes _____ proposal date						O Lab to Filter																																																																																				
<table border="1"> <thead> <tr> <th rowspan="2">Con-Test Lab ID (laboratory use only)</th> <th rowspan="2">Client Sample ID / Description</th> <th colspan="2">Collection</th> <th colspan="3">DATA DELIVERY (check all that apply)</th> </tr> <tr> <th>Beginning Date/Time</th> <th>Ending Date/Time</th> <th>Composite</th> <th>Grab Node</th> <th>*Matrix Code</th> </tr> </thead> <tbody> <tr><td>O1</td><td>10-2 sub 01-1 cmu source</td><td>10-2-12</td><td></td><td>S</td><td>✓</td><td>O FAX</td></tr> <tr><td>O2</td><td>10-2 sub 01-2 cmu source</td><td></td><td></td><td>S</td><td>✓</td><td>O EMAIL</td></tr> <tr><td>O3</td><td>10-2 sub 01-3 cmu source</td><td></td><td></td><td>S</td><td>✓</td><td>O WEBSITE</td></tr> <tr><td>O4</td><td>10-2 sub 02-1 cmu mortar</td><td></td><td></td><td>S</td><td>✓</td><td></td></tr> <tr><td>O5</td><td>10-2 sub 02-2 cmu mortar</td><td></td><td></td><td>S</td><td>✓</td><td></td></tr> <tr><td>O6</td><td>10-2 sub 02-3 cmu mortar</td><td></td><td></td><td>S</td><td>✓</td><td></td></tr> <tr><td>O7</td><td>10-2 sub 03-1 cmu source</td><td></td><td></td><td>S</td><td>✓</td><td></td></tr> <tr><td>O8</td><td>10-2 sub 03-2 cmu source</td><td></td><td></td><td>S</td><td>✓</td><td></td></tr> <tr><td>O9</td><td>10-2 sub 04-1 cmu source</td><td></td><td></td><td>S</td><td>✓</td><td></td></tr> <tr><td>O10</td><td>10-2 sub 04-2 cmu mortar</td><td></td><td></td><td>S</td><td>✓</td><td></td></tr> </tbody> </table>							Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection		DATA DELIVERY (check all that apply)			Beginning Date/Time	Ending Date/Time	Composite	Grab Node	*Matrix Code	O1	10-2 sub 01-1 cmu source	10-2-12		S	✓	O FAX	O2	10-2 sub 01-2 cmu source			S	✓	O EMAIL	O3	10-2 sub 01-3 cmu source			S	✓	O WEBSITE	O4	10-2 sub 02-1 cmu mortar			S	✓		O5	10-2 sub 02-2 cmu mortar			S	✓		O6	10-2 sub 02-3 cmu mortar			S	✓		O7	10-2 sub 03-1 cmu source			S	✓		O8	10-2 sub 03-2 cmu source			S	✓		O9	10-2 sub 04-1 cmu source			S	✓		O10	10-2 sub 04-2 cmu mortar			S	✓		***Cont. Code: A=amber glass G=glass P=plastic ST=sterile	
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O1	10-2 sub 01-1 cmu source	10-2-12		S	✓	O FAX																																																																																				
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O3	10-2 sub 01-3 cmu source			S	✓	O WEBSITE																																																																																				
O4	10-2 sub 02-1 cmu mortar			S	✓																																																																																					
O5	10-2 sub 02-2 cmu mortar			S	✓																																																																																					
O6	10-2 sub 02-3 cmu mortar			S	✓																																																																																					
O7	10-2 sub 03-1 cmu source			S	✓																																																																																					
O8	10-2 sub 03-2 cmu source			S	✓																																																																																					
O9	10-2 sub 04-1 cmu source			S	✓																																																																																					
O10	10-2 sub 04-2 cmu mortar			S	✓																																																																																					
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O10	10-2 sub 04-2 cmu mortar			S	✓																																																																																					
<p>Comments: _____</p> <p>Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:</p> <p>H - High; M - Medium; L - Low; C - Clean; U - Unknown</p>							Page 24 of 26 CRWPDF87																																																																																			
Relinquished by: (signature) <i>Rick Onofrio</i>		Turnaround [†] <input checked="" type="checkbox"/> 5-7-Day		Detection Limit Requirements		Is your project MCP or RCP?																																																																																				
Received by: (signature) <i>Rick Onofrio</i>		Date/Time: 10-12-05 10:44 AM		Massachusetts: _____		<input type="radio"/> MCP Form Required <input type="radio"/> RCP Form Required <input type="radio"/> MA State DW Form Required PWSID # _____																																																																																				
Released by: (signature) <i>Rick Onofrio</i>		Date/Time: 10-12-05 10:44 AM		Connecticut: <1PPM		<input type="radio"/> 24-Hr <input type="radio"/> 48-Hr <input type="radio"/> 72-Hr <input type="radio"/> 4-Day <input type="radio"/> Other: _____																																																																																				
Received by: (signature) <i>Rick Onofrio</i>		Date/Time: 10-12-05 10:44 AM		Other: _____		*Matrix Code: GW = Groundwater WW = wastewater A = air DW = drinking water S = soil/solid SL = sludge O = other _____																																																																																				
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Please note: If this form is not filled out completely or																																																																																										



CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01022

Page 1 of 2

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* Preservation

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ANALYSIS BEGEISTERT

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Stratford, CT 06615

Client PO#

109

Attention: Jason Finley

○ FAX ○ EMAIL ○ WEBSITE

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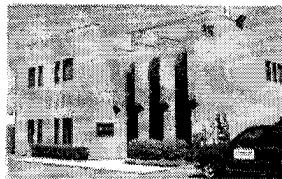
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yes _____ proposal date

OTHER

109

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



Sample Receipt Checklist

CLIENT NAME: AMC

RECEIVED BY: KKM

DATE: 10/4/12

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

3.9

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

10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No N/A

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	<u>3</u>
250 mL Amber (8oz amber)		2 oz amber/clear jar	<u>7</u>
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic		Plastic Bag / Ziploc	<u>2</u>
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 _____ Time and Date Frozen:

Doc# 277: # Bisulfate _____ # DI Water _____

Rev. 3 May 2012: # Thiosulfate _____ Unpreserved _____

October 26, 2012

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

Project Location: Osborn Hill Win. Replacement

Client Job Number:

Project Number: [none]

Laboratory Work Order Number: 12J0827

Enclosed are results of analyses for samples received by the laboratory on October 19, 2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Lisa A. Worthington
Project Manager

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

REPORT DATE: 10/26/2012

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

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12J0827

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 Win. Replacement

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
10-16 05-1	12J0827-01	Product/Solid		SW-846 8082A	
10-16 05-2	12J0827-02	Product/Solid		SW-846 8082A	
10-16 06-1	12J0827-03	Product/Solid		SW-846 8082A	
10-16 07-1	12J0827-04	Product/Solid		SW-846 8082A	
10-16 08-1	12J0827-05	Product/Solid		SW-846 8082A	
10-16 08-2	12J0827-06	Product/Solid		SW-846 8082A	
10-16 08-3	12J0827-07	Product/Solid		SW-846 8082A	
10-16 09-1	12J0827-08	Product/Solid		SW-846 8082A	
10-16 09-2	12J0827-09	Product/Solid		SW-846 8082A	
10-16 09-3	12J0827-10	Product/Solid		SW-846 8082A	
10-16 10-1	12J0827-11	Product/Solid		SW-846 8082A	
10-16 10-2	12J0827-12	Product/Solid		SW-846 8082A	
10-16 10-3	12J0827-13	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:

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]

12J0827-01[10-16 05-1]

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 Win. Replacement

Sample Description:

Work Order: 12J0827

Date Received: 10/19/2012

Sampled: 10/16/2012 00:00

Field Sample #: 10-16 05-1

Sample ID: 12J0827-01

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	35	mg/Kg	400		SW-846 8082A	10/22/12	10/26/12 12:08	PJG
Aroclor-1221 [1]	ND	35	mg/Kg	400		SW-846 8082A	10/22/12	10/26/12 12:08	PJG
Aroclor-1232 [1]	ND	35	mg/Kg	400		SW-846 8082A	10/22/12	10/26/12 12:08	PJG
Aroclor-1242 [1]	ND	35	mg/Kg	400		SW-846 8082A	10/22/12	10/26/12 12:08	PJG
Aroclor-1248 [1]	ND	35	mg/Kg	400		SW-846 8082A	10/22/12	10/26/12 12:08	PJG
Aroclor-1254 [1]	340	35	mg/Kg	400		SW-846 8082A	10/22/12	10/26/12 12:08	PJG
Aroclor-1260 [1]	ND	35	mg/Kg	400		SW-846 8082A	10/22/12	10/26/12 12:08	PJG
Aroclor-1262 [1]	ND	35	mg/Kg	400		SW-846 8082A	10/22/12	10/26/12 12:08	PJG
Aroclor-1268 [1]	ND	35	mg/Kg	400		SW-846 8082A	10/22/12	10/26/12 12:08	PJG
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01				10/26/12 12:08
Decachlorobiphenyl [2]		*	30-150		S-01				10/26/12 12:08
Tetrachloro-m-xylene [1]		*	30-150		S-01				10/26/12 12:08
Tetrachloro-m-xylene [2]		*	30-150		S-01				10/26/12 12:08

Project Location: Osborn Hill Win. Replacement

Sample Description:

Work Order: 12J0827

Date Received: 10/19/2012

Sampled: 10/16/2012 00:00

Field Sample #: 10-16 05-2

Sample ID: 12J0827-02

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/22/12	10/25/12 19:46	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/22/12	10/25/12 19:46	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/22/12	10/25/12 19:46	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/22/12	10/25/12 19:46	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/22/12	10/25/12 19:46	MJC
Aroclor-1254 [2]	0.36	0.10	mg/Kg	1		SW-846 8082A	10/22/12	10/25/12 19:46	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/22/12	10/25/12 19:46	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/22/12	10/25/12 19:46	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/22/12	10/25/12 19:46	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		96.2	30-150					10/25/12 19:46	
Decachlorobiphenyl [2]		99.7	30-150					10/25/12 19:46	
Tetrachloro-m-xylene [1]		86.8	30-150					10/25/12 19:46	
Tetrachloro-m-xylene [2]		90.6	30-150					10/25/12 19:46	

Project Location: Osborn Hill Win. Replacement

Sample Description:

Work Order: 12J0827

Date Received: 10/19/2012

Sampled: 10/16/2012 00:00

Field Sample #: 10-16 06-1

Sample ID: 12J0827-03

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg	1		SW-846 8082A	10/22/12	10/25/12 1:24	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg	1		SW-846 8082A	10/22/12	10/25/12 1:24	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg	1		SW-846 8082A	10/22/12	10/25/12 1:24	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg	1		SW-846 8082A	10/22/12	10/25/12 1:24	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg	1		SW-846 8082A	10/22/12	10/25/12 1:24	MJC
Aroclor-1254 [1]	ND	0.11	mg/Kg	1		SW-846 8082A	10/22/12	10/25/12 1:24	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg	1		SW-846 8082A	10/22/12	10/25/12 1:24	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg	1		SW-846 8082A	10/22/12	10/25/12 1:24	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg	1		SW-846 8082A	10/22/12	10/25/12 1:24	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		98.4	30-150					10/25/12 1:24	
Decachlorobiphenyl [2]		100	30-150					10/25/12 1:24	
Tetrachloro-m-xylene [1]		93.0	30-150					10/25/12 1:24	
Tetrachloro-m-xylene [2]		99.2	30-150					10/25/12 1:24	

Project Location: Osborn Hill Win. Replacement

Sample Description:

Work Order: 12J0827

Date Received: 10/19/2012

Sampled: 10/16/2012 00:00

Field Sample #: 10-16 07-1

Sample ID: 12J0827-04

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/22/12	10/25/12 1:37	MJC
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/22/12	10/25/12 1:37	MJC
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/22/12	10/25/12 1:37	MJC
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/22/12	10/25/12 1:37	MJC
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/22/12	10/25/12 1:37	MJC
Aroclor-1254 [2]	0.21	0.091	mg/Kg	1		SW-846 8082A	10/22/12	10/25/12 1:37	MJC
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/22/12	10/25/12 1:37	MJC
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/22/12	10/25/12 1:37	MJC
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/22/12	10/25/12 1:37	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		99.6	30-150					10/25/12 1:37	
Decachlorobiphenyl [2]		104	30-150					10/25/12 1:37	
Tetrachloro-m-xylene [1]		88.8	30-150					10/25/12 1:37	
Tetrachloro-m-xylene [2]		89.1	30-150					10/25/12 1:37	

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

Project Location: Osborn Hill Win. Replacement

Sample Description:

Work Order: 12J0827

Date Received: 10/19/2012

Sampled: 10/16/2012 00:00

Field Sample #: 10-16 08-1

Sample ID: 12J0827-05

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/22/12	10/25/12 1:50	MJC
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/22/12	10/25/12 1:50	MJC
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/22/12	10/25/12 1:50	MJC
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/22/12	10/25/12 1:50	MJC
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/22/12	10/25/12 1:50	MJC
Aroclor-1254 [1]	0.47	0.095	mg/Kg	1		SW-846 8082A	10/22/12	10/25/12 1:50	MJC
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/22/12	10/25/12 1:50	MJC
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/22/12	10/25/12 1:50	MJC
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/22/12	10/25/12 1:50	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	104	30-150						10/25/12 1:50	
Decachlorobiphenyl [2]	107	30-150						10/25/12 1:50	
Tetrachloro-m-xylene [1]	98.8	30-150						10/25/12 1:50	
Tetrachloro-m-xylene [2]	103	30-150						10/25/12 1:50	

Project Location: Osborn Hill Win. Replacement

Sample Description:

Work Order: 12J0827

Date Received: 10/19/2012

Sampled: 10/16/2012 00:00

Field Sample #: 10-16 08-2

Sample ID: 12J0827-06

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 20:37	MJC
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 20:37	MJC
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 20:37	MJC
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 20:37	MJC
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 20:37	MJC
Aroclor-1254 [1]	0.17	0.095	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 20:37	MJC
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 20:37	MJC
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 20:37	MJC
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 20:37	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		96.3	30-150					10/24/12 20:37	
Decachlorobiphenyl [2]		101	30-150					10/24/12 20:37	
Tetrachloro-m-xylene [1]		96.9	30-150					10/24/12 20:37	
Tetrachloro-m-xylene [2]		96.0	30-150					10/24/12 20:37	

Project Location: Osborn Hill Win. Replacement

Sample Description:

Work Order: 12J0827

Date Received: 10/19/2012

Field Sample #: 10-16 08-3

Sampled: 10/16/2012 00:00

Sample ID: 12J0827-07

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.14	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 20:49	MJC
Aroclor-1221 [1]	ND	0.14	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 20:49	MJC
Aroclor-1232 [1]	ND	0.14	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 20:49	MJC
Aroclor-1242 [1]	ND	0.14	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 20:49	MJC
Aroclor-1248 [1]	ND	0.14	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 20:49	MJC
Aroclor-1254 [1]	0.20	0.14	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 20:49	MJC
Aroclor-1260 [1]	ND	0.14	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 20:49	MJC
Aroclor-1262 [1]	ND	0.14	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 20:49	MJC
Aroclor-1268 [1]	ND	0.14	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 20:49	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		88.5	30-150					10/24/12 20:49	
Decachlorobiphenyl [2]		92.4	30-150					10/24/12 20:49	
Tetrachloro-m-xylene [1]		90.2	30-150					10/24/12 20:49	
Tetrachloro-m-xylene [2]		89.5	30-150					10/24/12 20:49	

Project Location: Osborn Hill Win. Replacement

Sample Description:

Work Order: 12J0827

Date Received: 10/19/2012

Sampled: 10/16/2012 00:00

Field Sample #: 10-16 09-1

Sample ID: 12J0827-08

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 21:01	MJC
Aroclor-1221 [1]	ND	0.12	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 21:01	MJC
Aroclor-1232 [1]	ND	0.12	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 21:01	MJC
Aroclor-1242 [1]	ND	0.12	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 21:01	MJC
Aroclor-1248 [1]	ND	0.12	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 21:01	MJC
Aroclor-1254 [2]	0.28	0.12	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 21:01	MJC
Aroclor-1260 [1]	ND	0.12	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 21:01	MJC
Aroclor-1262 [1]	ND	0.12	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 21:01	MJC
Aroclor-1268 [1]	ND	0.12	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 21:01	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		95.6	30-150					10/24/12 21:01	
Decachlorobiphenyl [2]		99.5	30-150					10/24/12 21:01	
Tetrachloro-m-xylene [1]		85.9	30-150					10/24/12 21:01	
Tetrachloro-m-xylene [2]		85.2	30-150					10/24/12 21:01	

Project Location: Osborn Hill Win. Replacement

Sample Description:

Work Order: 12J0827

Date Received: 10/19/2012

Sampled: 10/16/2012 00:00

Field Sample #: 10-16 09-2

Sample ID: 12J0827-09

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 21:14	MJC
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 21:14	MJC
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 21:14	MJC
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 21:14	MJC
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 21:14	MJC
Aroclor-1254 [2]	0.78	0.091	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 21:14	MJC
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 21:14	MJC
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 21:14	MJC
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 21:14	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		93.7	30-150					10/24/12 21:14	
Decachlorobiphenyl [2]		97.5	30-150					10/24/12 21:14	
Tetrachloro-m-xylene [1]		93.4	30-150					10/24/12 21:14	
Tetrachloro-m-xylene [2]		92.8	30-150					10/24/12 21:14	

Project Location: Osborn Hill Win. Replacement

Sample Description:

Work Order: 12J0827

Date Received: 10/19/2012

Sampled: 10/16/2012 00:00

Field Sample #: 10-16 09-3

Sample ID: 12J0827-10

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 21:26	MJC
Aroclor-1221 [1]	ND	0.12	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 21:26	MJC
Aroclor-1232 [1]	ND	0.12	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 21:26	MJC
Aroclor-1242 [1]	ND	0.12	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 21:26	MJC
Aroclor-1248 [1]	ND	0.12	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 21:26	MJC
Aroclor-1254 [1]	0.30	0.12	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 21:26	MJC
Aroclor-1260 [1]	ND	0.12	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 21:26	MJC
Aroclor-1262 [1]	ND	0.12	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 21:26	MJC
Aroclor-1268 [1]	ND	0.12	mg/Kg	1		SW-846 8082A	10/22/12	10/24/12 21:26	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		93.7	30-150					10/24/12 21:26	
Decachlorobiphenyl [2]		97.6	30-150					10/24/12 21:26	
Tetrachloro-m-xylene [1]		88.9	30-150					10/24/12 21:26	
Tetrachloro-m-xylene [2]		88.2	30-150					10/24/12 21:26	

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Project Location: Osborn Hill Win. Replacement

Sample Description:

Work Order: 12J0827

Date Received: 10/19/2012

Sampled: 10/16/2012 00:00

Field Sample #: 10-16 10-1

Sample ID: 12J0827-11

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/22/12	10/25/12 10:56	MJC
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/22/12	10/25/12 10:56	MJC
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/22/12	10/25/12 10:56	MJC
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/22/12	10/25/12 10:56	MJC
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/22/12	10/25/12 10:56	MJC
Aroclor-1254 [1]	3.9	0.50	mg/Kg	5		SW-846 8082A	10/22/12	10/25/12 10:56	MJC
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/22/12	10/25/12 10:56	MJC
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/22/12	10/25/12 10:56	MJC
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/22/12	10/25/12 10:56	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	97.1	30-150						10/25/12 10:56	
Decachlorobiphenyl [2]	98.0	30-150						10/25/12 10:56	
Tetrachloro-m-xylene [1]	94.0	30-150						10/25/12 10:56	
Tetrachloro-m-xylene [2]	93.2	30-150						10/25/12 10:56	

Project Location: Osborn Hill Win. Replacement

Sample Description:

Work Order: 12J0827

Date Received: 10/19/2012

Sampled: 10/16/2012 00:00

Field Sample #: 10-16 10-2

Sampled: 10/16/2012 00:00

Sample ID: 12J0827-12

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/22/12	10/25/12 11:09	MJC
Aroclor-1221 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/22/12	10/25/12 11:09	MJC
Aroclor-1232 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/22/12	10/25/12 11:09	MJC
Aroclor-1242 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/22/12	10/25/12 11:09	MJC
Aroclor-1248 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/22/12	10/25/12 11:09	MJC
Aroclor-1254 [1]	4.0	0.45	mg/Kg	5		SW-846 8082A	10/22/12	10/25/12 11:09	MJC
Aroclor-1260 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/22/12	10/25/12 11:09	MJC
Aroclor-1262 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/22/12	10/25/12 11:09	MJC
Aroclor-1268 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/22/12	10/25/12 11:09	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		101	30-150					10/25/12 11:09	
Decachlorobiphenyl [2]		102	30-150					10/25/12 11:09	
Tetrachloro-m-xylene [1]		97.5	30-150					10/25/12 11:09	
Tetrachloro-m-xylene [2]		98.2	30-150					10/25/12 11:09	

Project Location: Osborn Hill Win. Replacement

Sample Description:

Work Order: 12J0827

Date Received: 10/19/2012

Sampled: 10/16/2012 00:00

Field Sample #: 10-16 10-3

Sample ID: 12J0827-13

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet 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	10/22/12	10/25/12 11:21	MJC
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/22/12	10/25/12 11:21	MJC
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/22/12	10/25/12 11:21	MJC
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/22/12	10/25/12 11:21	MJC
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/22/12	10/25/12 11:21	MJC
Aroclor-1254 [2]	4.4	0.48	mg/Kg	5		SW-846 8082A	10/22/12	10/25/12 11:21	MJC
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/22/12	10/25/12 11:21	MJC
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/22/12	10/25/12 11:21	MJC
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/22/12	10/25/12 11:21	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		94.5	30-150					10/25/12 11:21	
Decachlorobiphenyl [2]		95.0	30-150					10/25/12 11:21	
Tetrachloro-m-xylene [1]		95.6	30-150					10/25/12 11:21	
Tetrachloro-m-xylene [2]		94.6	30-150					10/25/12 11:21	

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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
12J0827-01 [10-16 05-1]	B061342	2.30	10.0	10/22/12
12J0827-02 [10-16 05-2]	B061342	2.00	10.0	10/22/12
12J0827-03 [10-16 06-1]	B061342	1.90	10.0	10/22/12
12J0827-04 [10-16 07-1]	B061342	2.20	10.0	10/22/12
12J0827-05 [10-16 08-1]	B061342	2.10	10.0	10/22/12

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
12J0827-06 [10-16 08-2]	B061367	2.10	10.0	10/22/12
12J0827-07 [10-16 08-3]	B061367	1.40	10.0	10/22/12
12J0827-08 [10-16 09-1]	B061367	1.70	10.0	10/22/12
12J0827-09 [10-16 09-2]	B061367	2.20	10.0	10/22/12
12J0827-10 [10-16 09-3]	B061367	1.60	10.0	10/22/12
12J0827-11 [10-16 10-1]	B061367	2.00	10.0	10/22/12
12J0827-12 [10-16 10-2]	B061367	2.20	10.0	10/22/12
12J0827-13 [10-16 10-3]	B061367	2.10	10.0	10/22/12

QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch B061342 - SW-846 3540C
Blank (B061342-BLK1)

					Prepared: 10/22/12 Analyzed: 10/25/12				
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	1.13		mg/Kg	1.00		113		30-150	
Surrogate: Decachlorobiphenyl [2C]	1.18		mg/Kg	1.00		118		30-150	
Surrogate: Tetrachloro-m-xylene	1.02		mg/Kg	1.00		102		30-150	
Surrogate: Tetrachloro-m-xylene [2C]	1.10		mg/Kg	1.00		110		30-150	

LCS (B061342-BS1)

					Prepared: 10/22/12 Analyzed: 10/25/12				
Aroclor-1016	0.22	0.10	mg/Kg	0.250		87.1		40-140	
Aroclor-1016 [2C]	0.25	0.10	mg/Kg	0.250		98.7		40-140	
Aroclor-1260	0.25	0.10	mg/Kg	0.250		99.0		40-140	
Aroclor-1260 [2C]	0.24	0.10	mg/Kg	0.250		94.3		40-140	
Surrogate: Decachlorobiphenyl	1.05		mg/Kg	1.00		105		30-150	
Surrogate: Decachlorobiphenyl [2C]	1.07		mg/Kg	1.00		107		30-150	
Surrogate: Tetrachloro-m-xylene	0.960		mg/Kg	1.00		96.0		30-150	
Surrogate: Tetrachloro-m-xylene [2C]	1.02		mg/Kg	1.00		102		30-150	

LCS Dup (B061342-BSD1)

					Prepared: 10/22/12 Analyzed: 10/25/12				
Aroclor-1016	0.21	0.10	mg/Kg	0.250		82.4		40-140	5.57
Aroclor-1016 [2C]	0.25	0.10	mg/Kg	0.250		100		40-140	1.39
Aroclor-1260	0.24	0.10	mg/Kg	0.250		95.1		40-140	4.00
Aroclor-1260 [2C]	0.23	0.10	mg/Kg	0.250		91.1		40-140	3.43
Surrogate: Decachlorobiphenyl	0.936		mg/Kg	1.00		93.6		30-150	
Surrogate: Decachlorobiphenyl [2C]	0.967		mg/Kg	1.00		96.7		30-150	
Surrogate: Tetrachloro-m-xylene	0.913		mg/Kg	1.00		91.3		30-150	
Surrogate: Tetrachloro-m-xylene [2C]	0.962		mg/Kg	1.00		96.2		30-150	

QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch B061367 - SW-846 3540C
Blank (B061367-BLK1)

Prepared: 10/22/12 Analyzed: 10/25/12

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	1.00		mg/Kg	1.00		100		30-150		
Surrogate: Decachlorobiphenyl [2C]	1.05		mg/Kg	1.00		105		30-150		
Surrogate: Tetrachloro-m-xylene	1.05		mg/Kg	1.00		105		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	1.04		mg/Kg	1.00		104		30-150		

LCS (B061367-BS1)

Prepared: 10/22/12 Analyzed: 10/25/12

Aroclor-1016	0.23	0.10	mg/Kg	0.250		90.6		40-140		
Aroclor-1016 [2C]	0.26	0.10	mg/Kg	0.250		102		40-140		
Aroclor-1260	0.29	0.10	mg/Kg	0.250		115		40-140		
Aroclor-1260 [2C]	0.28	0.10	mg/Kg	0.250		114		40-140		
Surrogate: Decachlorobiphenyl	1.18		mg/Kg	1.00		118		30-150		
Surrogate: Decachlorobiphenyl [2C]	1.23		mg/Kg	1.00		123		30-150		
Surrogate: Tetrachloro-m-xylene	1.04		mg/Kg	1.00		104		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	1.02		mg/Kg	1.00		102		30-150		

LCS Dup (B061367-BSD1)

Prepared: 10/22/12 Analyzed: 10/25/12

Aroclor-1016	0.26	0.10	mg/Kg	0.250		105		40-140	14.9	30
Aroclor-1016 [2C]	0.30	0.10	mg/Kg	0.250		119		40-140	15.6	30
Aroclor-1260	0.30	0.10	mg/Kg	0.250		119		40-140	3.03	30
Aroclor-1260 [2C]	0.29	0.10	mg/Kg	0.250		117		40-140	3.09	30
Surrogate: Decachlorobiphenyl	1.17		mg/Kg	1.00		117		30-150		
Surrogate: Decachlorobiphenyl [2C]	1.21		mg/Kg	1.00		121		30-150		
Surrogate: Tetrachloro-m-xylene	1.18		mg/Kg	1.00		118		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	1.17		mg/Kg	1.00		117		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
<i>SW-846 8082A in Product/Solid</i>	
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 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	06/30/2013
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

CHAIN OF CUSTODY RECORD

 39 Spruce Street
 East Longmeadow, MA 01028

Page _____ of _____

 1250827
 Rev 04.05.12

 # of Containers
 ** Preservation

 *** Container Code
 Dissolved Metal
 ○ Field Filtered
 ○ Lab to Filter

 *** Cont. Code:
 A=Amber Glass
 G=glass
 P=plastic
 ST=sterile
 V=vial
 S=summary 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

 Company Name: AMC Environmental Telephone: _____
 Address: 6022 Clinton Ave Project #: _____
 Attention: Bridgewart, CT

 Project Location: Osborn Hill Win. Replacement
 Sampled By: Justin Pete

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

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection		*Matrix Data Package	
		Beginning Date/Time	Ending Date/Time	Composite	Grab Date
-01	10-16 05-1 - Concrete Column, Source, Face, C. Miss.				X
-02	10-16 05-2 - Concrete Column, Face, Face, C. Miss.				X
-03	10-16 06-1 - "Brick above wall, Lintel				X
-04	10-16 07-1 - "Brick Mortar				X
-05	10-16 08-1 - Concrete Column Face, O/S & m 120				X
-06	10-16 08-2 - Concrete Column Face, O/S & m 123				X
-07	10-16 08-3 - Concrete column face, O/S & m 110				X
-08	10-16 09-1 - Brick Source, above Header, O/S & m 123				X
-09	10-16 09-2 - Brick Source, above Header O/S & m 123				X
-10	10-16 09-3 - Brick Source, above Header O/S & m 116				X

Comments:		Soillet											
Received by (signature)	Date/Time:	Turnaround	7-Day	Detection Limit Requirements	Is your project MCP or RCP?								
Received by (signature)	Date/Time:	Turnaround	10-Day	Massachusetts:	<input type="radio"/> MCP Form Required <input type="radio"/> RCP Form Required <input type="radio"/> MA State DW Form Required PWSID# _____								
Relinquished by (signature)	Date/Time:	Turnaround	Other	Connecticut:	<input type="checkbox"/> RUSH† <input type="checkbox"/> 24-Hr <input type="checkbox"/> 48-Hr <input type="checkbox"/> 72-Hr <input type="checkbox"/> 4-Day <input type="checkbox"/> Other: _____								
Received by (signature)	Date/Time:	Turnaround	Other:	Other:	*Matrix Code: GW=groundwater WW=wastewater DW=drinking water A=air S=soil/solid SL=sludge O=other _____								

<i>John Miller</i>	Date/Time: <u>10/17</u>	Turnaround	7-Day	Detection Limit Requirements	Is your project MCP or RCP?
Received by (signature)	Date/Time:	Turnaround	10-Day	Massachusetts:	<input type="radio"/> MCP Form Required <input type="radio"/> RCP Form Required <input type="radio"/> MA State DW Form Required PWSID# _____
Relinquished by (signature)	Date/Time:	Turnaround	Other	Connecticut:	<input type="checkbox"/> RUSH† <input type="checkbox"/> 24-Hr <input type="checkbox"/> 48-Hr <input type="checkbox"/> 72-Hr <input type="checkbox"/> 4-Day <input type="checkbox"/> Other: _____
Received by (signature)	Date/Time:	Turnaround	Other:	Other:	*Matrix Code: GW=groundwater WW=wastewater DW=drinking water A=air S=soil/solid SL=sludge O=other _____

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conec. Code Box:

H - High; M - Medium; L - Low; C - Clean; U - Unknown


 MASS. DEP.
 LABORATORY
 ACCREDITED
 NOVEMBER 2008

 NELAC & AIHA-LAP, LLC
 Accredited

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

CHAIN OF CUSTODY RECORD

 39 Spruce Street
 East Longmeadow, MA 01028

Page _____ of _____

 1250827
 Rev 04.05.12

 Client Name: Amc Environmental
 Address: 622 Custer Ave
 Telephone: _____

 Company Name: Amc Environmental
 Address: 622 Custer Ave
 Telephone: _____
 Project # _____

 Attention: Buddeport, CT
 Project Location: Osborn Hill Cntr. Replacement
 Sampled By: Tucker - Rate

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

Collection

 Client PO#
DATA DELIVERY (check all that apply)
 FAX EMAIL WEBSITE

 Format:
 PDF EXCEL OGIS
 OTHER

Socklet

 Con-Test Lab ID Client Sample ID / Description
 (Laboratory use only)

Beginning Date/Time Ending Date/Time Composite Grab Date Matrix Date/Time

*Matrix Com. Date/Time

Grab Date Grab Time

Lab Date Lab Time

Matrix Date/Time Matrix Lab Date/Time

Com. Date/Time Com. Lab Date/Time

Lab Date Lab Time

Matrix Date/Time Matrix Lab Date/Time

Com. Date/Time Com. Lab Date/Time

Lab Date Lab Time

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Lab Date Lab Time

Matrix Date/Time Matrix Lab Date/Time

Com. Date/Time Com. Lab Date/Time

Lab Date Lab Time

 **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

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

 Relinquished by: John Oliver Date/Time: 10/12/12 10:00 AM
 Received by: John Oliver Date/Time: 10/12/12 10:00 AM
 Relinquished by: John Oliver Date/Time: 10/12/12 10:00 AM
 Received by: John Oliver Date/Time: 10/12/12 10:00 AM

 Turnaround #: 1
 7-Day 10-Day Other _____

 Connection: RUSH†
 Other: L1 PPM

 Requirements: Massachusetts:
 MCP Form Required
 RCP Form Required
 MA State DW Form Required

 DW: drinking water
 GW: groundwater
 WW: wastewater

 A: air
 S: soil/solid
 SL: sludge
 O: other

 Other:

 Other:

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



Sample Receipt Checklist

CLIENT NAME: AMC

RECEIVED BY: KKM

DATE: 10/9/12

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

20.2

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

10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No N/A

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	<u>13</u>
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 _____

Time and Date Frozen:

Doc# 277

Bisulfate _____ # DI Water _____

Rev. 3 May 2012

Thiosulfate _____ Unpreserved _____

December 18, 2012

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

Project Location: Osborn Hill School Subs

Client Job Number:

Project Number: [none]

Laboratory Work Order Number: 12L0321

Enclosed are results of analyses for samples received by the laboratory on December 11, 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:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12L0321

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 Subs

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
12-8 Sub 01-1	12L0321-01	Concrete	Rm 116 CMU 2nd Course @ Win	SW-846 8082A	
12-8 Sub 01-2	12L0321-02	Concrete	Rm 118 CMU 2nd Course @ Win	SW-846 8082A	
12-8 Sub 01-3	12L0321-03	Concrete	Rm 120 CMU 2nd Course @ Win	SW-846 8082A	
12-8 Sub 02-1	12L0321-04	Concrete	Rm 116 CMU 2nd Course @ Win	SW-846 8082A	
12-8 Sub 02-2	12L0321-05	Concrete	Rm 118 CMU 2nd Course @ Win	SW-846 8082A	
12-8 Sub 02-3	12L0321-06	Concrete	Rm 120 CMU 2nd Course @ Win	SW-846 8082A	
12-8 Sub 03-1	12L0321-07	Concrete	Rm 116 CMU 2nd Course @ Door	SW-846 8082A	
12-8 Sub 03-2	12L0321-08	Concrete	Rm 118 CMU 2nd Course @ Door	SW-846 8082A	
12-8 Sub 03-3	12L0321-09	Concrete	Rm 120 CMU 2nd Course @ Door	SW-846 8082A	
12-8 Sub 04-1	12L0321-10	Concrete	Rm 116 CMU 2nd Course @ Door	SW-846 8082A	
12-8 Sub 04-2	12L0321-11	Concrete	Rm 118 CMU 2nd Course @ Door	SW-846 8082A	
12-8 Sub 04-3	12L0321-12	Concrete	Rm 120 CMU 2nd Course @ Door	SW-846 8082A	
12-8 Sub 05-1	12L0321-13	Concrete	O/S Rm 120 Brick @ Top Of Win 2nd Course	SW-846 8082A	
12-8 Sub 05-2	12L0321-14	Concrete	O/S Rm 123 Brick @ Top Of Win 2nd Course	SW-846 8082A	
12-8 Sub 05-3	12L0321-15	Concrete	O/S Rm 116 Brick @ Top Of Win 2nd Course	SW-846 8082A	
12-8 Sub 06-1	12L0321-16	Concrete	O/S Rm 126 Brick Mortor 2nd Course	SW-846 8082A	
12-8 Sub 06-2	12L0321-17	Concrete	O/S Rm 123 Brick Mortor 2nd Course	SW-846 8082A	
12-8 Sub 06-3	12L0321-18	Concrete	O/S Rm 116 Brick Mortor 2nd Course	SW-846 8082A	
12-8 Sub 07-1	12L0321-19	Concrete	CMU 2nD Course Face @ Door Rm 120	SW-846 8082A	
12-8 Sub 08-1	12L0321-20	Concrete	CMU 2nD Course Face @ Door Rm 120	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:

Sample contains two incompletely resolved aroclors. Aroclor with the closest matching pattern is reported.

Analyte & Samples(s) Qualified:

Aroclor-1254, Aroclor-1254 [2C]

12L0321-01[12-8 Sub 01-1], 12L0321-02[12-8 Sub 01-2], 12L0321-03[12-8 Sub 01-3], 12L0321-04[12-8 Sub 02-1], 12L0321-05[12-8 Sub 02-2], 12L0321-06[12-8 Sub 02-3], 12L0321-07[12-8 Sub 03-1], 12L0321-08[12-8 Sub 03-2], 12L0321-09[12-8 Sub 03-3], 12L0321-10[12-8 Sub 04-1], 12L0321-11[12-8 Sub 04-2], 12L0321-12[12-8 Sub 04-3], 12L0321-17[12-8 Sub 06-2], 12L0321-19[12-8 Sub 07-1], 12L0321-20[12-8 Sub 08-1]

Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported.

Analyte & Samples(s) Qualified:

Aroclor-1254

12L0321-03[12-8 Sub 01-3], 12L0321-06[12-8 Sub 02-3], 12L0321-09[12-8 Sub 03-3], 12L0321-10[12-8 Sub 04-1], 12L0321-17[12-8 Sub 06-2]

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

Aroclor-1260 [2C]

B064594-BS1, B064594-BSD1

Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column.
All sample results are reported from the column within control criteria.

Analyte & Samples(s) Qualified:

Aroclor-1254

12L0321-01[12-8 Sub 01-1], 12L0321-02[12-8 Sub 01-2], 12L0321-03[12-8 Sub 01-3], 12L0321-04[12-8 Sub 02-1], 12L0321-05[12-8 Sub 02-2], 12L0321-06[12-8 Sub 02-3], 12L0321-07[12-8 Sub 03-1], 12L0321-08[12-8 Sub 03-2], 12L0321-09[12-8 Sub 03-3], 12L0321-10[12-8 Sub 04-1], 12L0321-11[12-8 Sub 04-2], 12L0321-17[12-8 Sub 06-2], 12L0321-19[12-8 Sub 07-1], 12L0321-20[12-8 Sub 08-1]

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

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

Project Location: Osborn Hill School Subs

Sample Description: Rm 116 CMU 2nd Course @ Win

Work Order: 12L0321

Date Received: 12/11/2012

Field Sample #: 12-8 Sub 01-1

Sampled: 12/8/2012 00:00

Sample ID: 12L0321-01

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 17:17	MJC
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 17:17	MJC
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 17:17	MJC
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 17:17	MJC
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 17:17	MJC
Aroclor-1254 [1]	0.46	0.096	mg/Kg	1	O-03, V-24	SW-846 8082A	12/13/12	12/17/12 17:17	MJC
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 17:17	MJC
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 17:17	MJC
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 17:17	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	96.1	30-150						12/17/12 17:17	
Decachlorobiphenyl [2]	95.8	30-150						12/17/12 17:17	
Tetrachloro-m-xylene [1]	93.8	30-150						12/17/12 17:17	
Tetrachloro-m-xylene [2]	101	30-150						12/17/12 17:17	

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

Project Location: Osborn Hill School Subs

Sample Description: Rm 118 CMU 2nd Course @ Win

Work Order: 12L0321

Date Received: 12/11/2012

Field Sample #: 12-8 Sub 01-2

Sampled: 12/8/2012 00:00

Sample ID: 12L0321-02

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 17:30	MJC
Aroclor-1221 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 17:30	MJC
Aroclor-1232 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 17:30	MJC
Aroclor-1242 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 17:30	MJC
Aroclor-1248 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 17:30	MJC
Aroclor-1254 [1]	0.47	0.092	mg/Kg	1	O-03, V-24	SW-846 8082A	12/13/12	12/17/12 17:30	MJC
Aroclor-1260 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 17:30	MJC
Aroclor-1262 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 17:30	MJC
Aroclor-1268 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 17:30	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	101	30-150						12/17/12 17:30	
Decachlorobiphenyl [2]	97.3	30-150						12/17/12 17:30	
Tetrachloro-m-xylene [1]	90.3	30-150						12/17/12 17:30	
Tetrachloro-m-xylene [2]	95.8	30-150						12/17/12 17:30	

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

Project Location: Osborn Hill School Subs

Sample Description: Rm 120 CMU 2nd Course @ Win

Work Order: 12L0321

Date Received: 12/11/2012

Field Sample #: 12-8 Sub 01-3

Sampled: 12/8/2012 00:00

Sample ID: 12L0321-03

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 17:43	MJC
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 17:43	MJC
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 17:43	MJC
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 17:43	MJC
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 17:43	MJC
Aroclor-1254 [1]	0.42	0.096	mg/Kg	1	O-03, P-04, V-24	SW-846 8082A	12/13/12	12/17/12 17:43	MJC
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 17:43	MJC
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 17:43	MJC
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 17:43	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	110	30-150							12/17/12 17:43
Decachlorobiphenyl [2]	105	30-150							12/17/12 17:43
Tetrachloro-m-xylene [1]	98.6	30-150							12/17/12 17:43
Tetrachloro-m-xylene [2]	104	30-150							12/17/12 17:43

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

Project Location: Osborn Hill School Subs

Sample Description: Rm 116 CMU 2nd Course @ Win

Work Order: 12L0321

Date Received: 12/11/2012

Field Sample #: 12-8 Sub 02-1

Sampled: 12/8/2012 00:00

Sample ID: 12L0321-04

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 17:56	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 17:56	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 17:56	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 17:56	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 17:56	MJC
Aroclor-1254 [1]	0.35	0.10	mg/Kg	1	O-03, V-24	SW-846 8082A	12/13/12	12/17/12 17:56	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 17:56	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 17:56	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 17:56	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	98.4	30-150							12/17/12 17:56
Decachlorobiphenyl [2]	96.5	30-150							12/17/12 17:56
Tetrachloro-m-xylene [1]	98.4	30-150							12/17/12 17:56
Tetrachloro-m-xylene [2]	105	30-150							12/17/12 17:56

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

Project Location: Osborn Hill School Subs

Sample Description: Rm 118 CMU 2nd Course @ Win

Work Order: 12L0321

Date Received: 12/11/2012

Field Sample #: 12-8 Sub 02-2

Sampled: 12/8/2012 00:00

Sample ID: 12L0321-05

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 18:09	MJC
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 18:09	MJC
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 18:09	MJC
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 18:09	MJC
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 18:09	MJC
Aroclor-1254 [1]	0.75	0.097	mg/Kg	1	O-03, V-24	SW-846 8082A	12/13/12	12/17/12 18:09	MJC
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 18:09	MJC
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 18:09	MJC
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 18:09	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	99.8	30-150							12/17/12 18:09
Decachlorobiphenyl [2]	97.4	30-150							12/17/12 18:09
Tetrachloro-m-xylene [1]	97.1	30-150							12/17/12 18:09
Tetrachloro-m-xylene [2]	102	30-150							12/17/12 18:09

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

Project Location: Osborn Hill School Subs

Sample Description: Rm 120 CMU 2nd Course @ Win

Work Order: 12L0321

Date Received: 12/11/2012

Field Sample #: 12-8 Sub 02-3

Sampled: 12/8/2012 00:00

Sample ID: 12L0321-06

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 18:22	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 18:22	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 18:22	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 18:22	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 18:22	MJC
Aroclor-1254 [1]	0.40	0.10	mg/Kg	1	O-03, P-04, V-24	SW-846 8082A	12/13/12	12/17/12 18:22	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 18:22	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 18:22	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 18:22	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	99.8	30-150							12/17/12 18:22
Decachlorobiphenyl [2]	97.6	30-150							12/17/12 18:22
Tetrachloro-m-xylene [1]	101	30-150							12/17/12 18:22
Tetrachloro-m-xylene [2]	104	30-150							12/17/12 18:22

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

Project Location: Osborn Hill School Subs

Sample Description: Rm 116 CMU 2nd Course @ Door

Work Order: 12L0321

Date Received: 12/11/2012

Field Sample #: 12-8 Sub 03-1

Sampled: 12/8/2012 00:00

Sample ID: 12L0321-07

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 18:35	MJC
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 18:35	MJC
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 18:35	MJC
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 18:35	MJC
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 18:35	MJC
Aroclor-1254 [1]	0.28	0.096	mg/Kg	1	O-03, V-24	SW-846 8082A	12/13/12	12/17/12 18:35	MJC
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 18:35	MJC
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 18:35	MJC
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 18:35	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	101	30-150							12/17/12 18:35
Decachlorobiphenyl [2]	99.0	30-150							12/17/12 18:35
Tetrachloro-m-xylene [1]	97.5	30-150							12/17/12 18:35
Tetrachloro-m-xylene [2]	103	30-150							12/17/12 18:35

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

Project Location: Osborn Hill School Subs

Sample Description: Rm 118 CMU 2nd Course @ Door

Work Order: 12L0321

Date Received: 12/11/2012

Field Sample #: 12-8 Sub 03-2

Sampled: 12/8/2012 00:00

Sample ID: 12L0321-08

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 18:48	MJC
Aroclor-1221 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 18:48	MJC
Aroclor-1232 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 18:48	MJC
Aroclor-1242 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 18:48	MJC
Aroclor-1248 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 18:48	MJC
Aroclor-1254 [1]	0.21	0.090	mg/Kg	1	O-03, V-24	SW-846 8082A	12/13/12	12/17/12 18:48	MJC
Aroclor-1260 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 18:48	MJC
Aroclor-1262 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 18:48	MJC
Aroclor-1268 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 18:48	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	100	30-150							12/17/12 18:48
Decachlorobiphenyl [2]	98.8	30-150							12/17/12 18:48
Tetrachloro-m-xylene [1]	97.6	30-150							12/17/12 18:48
Tetrachloro-m-xylene [2]	106	30-150							12/17/12 18:48

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

Project Location: Osborn Hill School Subs

Sample Description: Rm 120 CMU 2nd Course @ Door

Work Order: 12L0321

Date Received: 12/11/2012

Field Sample #: 12-8 Sub 03-3

Sampled: 12/8/2012 00:00

Sample ID: 12L0321-09

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 19:00	MJC
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 19:00	MJC
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 19:00	MJC
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 19:00	MJC
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 19:00	MJC
Aroclor-1254 [1]	0.42	0.099	mg/Kg	1	O-03, P-04, V-24	SW-846 8082A	12/13/12	12/17/12 19:00	MJC
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 19:00	MJC
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 19:00	MJC
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 19:00	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	92.1	30-150						12/17/12 19:00	
Decachlorobiphenyl [2]	90.3	30-150						12/17/12 19:00	
Tetrachloro-m-xylene [1]	89.8	30-150						12/17/12 19:00	
Tetrachloro-m-xylene [2]	96.0	30-150						12/17/12 19:00	

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

Project Location: Osborn Hill School Subs

Sample Description: Rm 116 CMU 2nd Course @ Door

Work Order: 12L0321

Date Received: 12/11/2012

Field Sample #: 12-8 Sub 04-1

Sampled: 12/8/2012 00:00

Sample ID: 12L0321-10

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 19:52	MJC
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 19:52	MJC
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 19:52	MJC
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 19:52	MJC
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 19:52	MJC
Aroclor-1254 [1]	0.39	0.099	mg/Kg	1	O-03, P-04, V-24	SW-846 8082A	12/13/12	12/17/12 19:52	MJC
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 19:52	MJC
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 19:52	MJC
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 19:52	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	98.8	30-150						12/17/12 19:52	
Decachlorobiphenyl [2]	97.2	30-150						12/17/12 19:52	
Tetrachloro-m-xylene [1]	97.9	30-150						12/17/12 19:52	
Tetrachloro-m-xylene [2]	105	30-150						12/17/12 19:52	

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

Project Location: Osborn Hill School Subs

Sample Description: Rm 118 CMU 2nd Course @ Door

Work Order: 12L0321

Date Received: 12/11/2012

Field Sample #: 12-8 Sub 04-2

Sampled: 12/8/2012 00:00

Sample ID: 12L0321-11

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 20:05	MJC
Aroclor-1221 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 20:05	MJC
Aroclor-1232 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 20:05	MJC
Aroclor-1242 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 20:05	MJC
Aroclor-1248 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 20:05	MJC
Aroclor-1254 [1]	0.47	0.094	mg/Kg	1	O-03, V-24	SW-846 8082A	12/13/12	12/17/12 20:05	MJC
Aroclor-1260 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 20:05	MJC
Aroclor-1262 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 20:05	MJC
Aroclor-1268 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 20:05	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	94.8	30-150						12/17/12 20:05	
Decachlorobiphenyl [2]	94.0	30-150						12/17/12 20:05	
Tetrachloro-m-xylene [1]	94.1	30-150						12/17/12 20:05	
Tetrachloro-m-xylene [2]	98.3	30-150						12/17/12 20:05	

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

Project Location: Osborn Hill School Subs

Sample Description: Rm 120 CMU 2nd Course @ Door

Work Order: 12L0321

Date Received: 12/11/2012

Field Sample #: 12-8 Sub 04-3

Sampled: 12/8/2012 00:00

Sample ID: 12L0321-12

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	12/13/12	12/18/12 12:48	MJC
Aroclor-1221 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	12/13/12	12/18/12 12:48	MJC
Aroclor-1232 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	12/13/12	12/18/12 12:48	MJC
Aroclor-1242 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	12/13/12	12/18/12 12:48	MJC
Aroclor-1248 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	12/13/12	12/18/12 12:48	MJC
Aroclor-1254 [2]	1.4	0.19	mg/Kg	2	O-03	SW-846 8082A	12/13/12	12/18/12 12:48	MJC
Aroclor-1260 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	12/13/12	12/18/12 12:48	MJC
Aroclor-1262 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	12/13/12	12/18/12 12:48	MJC
Aroclor-1268 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	12/13/12	12/18/12 12:48	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	91.5	30-150							12/18/12 12:48
Decachlorobiphenyl [2]	95.4	30-150							12/18/12 12:48
Tetrachloro-m-xylene [1]	87.3	30-150							12/18/12 12:48
Tetrachloro-m-xylene [2]	88.1	30-150							12/18/12 12:48

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

Project Location: Osborn Hill School Subs

Sample Description: O/S Rm 120 Brick @ Top Of Win 2nd

Work Order: 12L0321

Date Received: 12/11/2012

Field Sample #: 12-8 Sub 05-1

Sampled: 12/8/2012 00:00

Sample ID: 12L0321-13

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 20:31	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 20:31	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 20:31	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 20:31	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 20:31	MJC
Aroclor-1254 [1]	ND	0.11	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 20:31	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 20:31	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 20:31	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 20:31	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	101	30-150							12/17/12 20:31
Decachlorobiphenyl [2]	99.1	30-150							12/17/12 20:31
Tetrachloro-m-xylene [1]	96.4	30-150							12/17/12 20:31
Tetrachloro-m-xylene [2]	102	30-150							12/17/12 20:31

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

Project Location: Osborn Hill School Subs

Sample Description: O/S Rm 123 Brick @ Top Of Win 2nd

Work Order: 12L0321

Date Received: 12/11/2012

Field Sample #: 12-8 Sub 05-2

Sampled: 12/8/2012 00:00

Sample ID: 12L0321-14

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 20:44	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 20:44	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 20:44	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 20:44	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 20:44	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 20:44	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 20:44	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 20:44	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 20:44	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	100	30-150						12/17/12 20:44	
Decachlorobiphenyl [2]	98.9	30-150						12/17/12 20:44	
Tetrachloro-m-xylene [1]	98.8	30-150						12/17/12 20:44	
Tetrachloro-m-xylene [2]	105	30-150						12/17/12 20:44	

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

Project Location: Osborn Hill School Subs

Sample Description: O/S Rm 116 Brick @ Top Of Win 2nd

Work Order: 12L0321

Date Received: 12/11/2012

Field Sample #: 12-8 Sub 05-3

Sampled: 12/8/2012 00:00

Sample ID: 12L0321-15

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 20:56	MJC
Aroclor-1221 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 20:56	MJC
Aroclor-1232 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 20:56	MJC
Aroclor-1242 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 20:56	MJC
Aroclor-1248 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 20:56	MJC
Aroclor-1254 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 20:56	MJC
Aroclor-1260 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 20:56	MJC
Aroclor-1262 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 20:56	MJC
Aroclor-1268 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 20:56	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	97.1	30-150						12/17/12 20:56	
Decachlorobiphenyl [2]	94.8	30-150						12/17/12 20:56	
Tetrachloro-m-xylene [1]	95.3	30-150						12/17/12 20:56	
Tetrachloro-m-xylene [2]	101	30-150						12/17/12 20:56	

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

Project Location: Osborn Hill School Subs

Sample Description: O/S Rm 126 Brick Mortor 2nd Course

Work Order: 12L0321

Date Received: 12/11/2012

Sampled: 12/8/2012 00:00

Field Sample #: 12-8 Sub 06-1

Sample ID: 12L0321-16

Sample Matrix: Concrete

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	mg/Kg	2		SW-846 8082A	12/13/12	12/18/12 13:01	MJC
Aroclor-1221 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	12/13/12	12/18/12 13:01	MJC
Aroclor-1232 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	12/13/12	12/18/12 13:01	MJC
Aroclor-1242 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	12/13/12	12/18/12 13:01	MJC
Aroclor-1248 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	12/13/12	12/18/12 13:01	MJC
Aroclor-1254 [2]	1.8	0.20	mg/Kg	2		SW-846 8082A	12/13/12	12/18/12 13:01	MJC
Aroclor-1260 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	12/13/12	12/18/12 13:01	MJC
Aroclor-1262 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	12/13/12	12/18/12 13:01	MJC
Aroclor-1268 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	12/13/12	12/18/12 13:01	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	87.1	30-150							12/18/12 13:01
Decachlorobiphenyl [2]	93.2	30-150							12/18/12 13:01
Tetrachloro-m-xylene [1]	80.9	30-150							12/18/12 13:01
Tetrachloro-m-xylene [2]	84.3	30-150							12/18/12 13:01

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

Project Location: Osborn Hill School Subs

Sample Description: O/S Rm 123 Brick Mortor 2nd Course

Work Order: 12L0321

Date Received: 12/11/2012

Sampled: 12/8/2012 00:00

Field Sample #: 12-8 Sub 06-2

Sample ID: 12L0321-17

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 21:22	MJC
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 21:22	MJC
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 21:22	MJC
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 21:22	MJC
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 21:22	MJC
Aroclor-1254 [1]	0.13	0.098	mg/Kg	1	O-03, P-04, V-24	SW-846 8082A	12/13/12	12/17/12 21:22	MJC
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 21:22	MJC
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 21:22	MJC
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 21:22	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	96.9	30-150							12/17/12 21:22
Decachlorobiphenyl [2]	95.5	30-150							12/17/12 21:22
Tetrachloro-m-xylene [1]	97.1	30-150							12/17/12 21:22
Tetrachloro-m-xylene [2]	102	30-150							12/17/12 21:22

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

Project Location: Osborn Hill School Subs

Sample Description: O/S Rm 116 Brick Mortor 2nd Course

Work Order: 12L0321

Date Received: 12/11/2012

Field Sample #: 12-8 Sub 06-3

Sampled: 12/8/2012 00:00

Sample ID: 12L0321-18

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 21:35	MJC
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 21:35	MJC
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 21:35	MJC
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 21:35	MJC
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 21:35	MJC
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 21:35	MJC
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 21:35	MJC
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 21:35	MJC
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 21:35	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	97.1	30-150						12/17/12 21:35	
Decachlorobiphenyl [2]	95.9	30-150						12/17/12 21:35	
Tetrachloro-m-xylene [1]	95.2	30-150						12/17/12 21:35	
Tetrachloro-m-xylene [2]	100	30-150						12/17/12 21:35	

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

Project Location: Osborn Hill School Subs

Sample Description: CMU 2nd Course Face @ Door Rm I:

Work Order: 12L0321

Date Received: 12/11/2012

Field Sample #: 12-8 Sub 07-1

Sampled: 12/8/2012 00:00

Sample ID: 12L0321-19

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 21:48	MJC
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 21:48	MJC
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 21:48	MJC
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 21:48	MJC
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 21:48	MJC
Aroclor-1254 [1]	0.19	0.096	mg/Kg	1	O-03, V-24	SW-846 8082A	12/13/12	12/17/12 21:48	MJC
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 21:48	MJC
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 21:48	MJC
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 21:48	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	97.0	30-150						12/17/12 21:48	
Decachlorobiphenyl [2]	96.1	30-150						12/17/12 21:48	
Tetrachloro-m-xylene [1]	97.3	30-150						12/17/12 21:48	
Tetrachloro-m-xylene [2]	102	30-150						12/17/12 21:48	

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

Project Location: Osborn Hill School Subs

Sample Description: CMU 2nd Course Face @ Door Rm I:

Work Order: 12L0321

Date Received: 12/11/2012

Field Sample #: 12-8 Sub 08-1

Sampled: 12/8/2012 00:00

Sample ID: 12L0321-20

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 22:01	MJC
Aroclor-1221 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 22:01	MJC
Aroclor-1232 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 22:01	MJC
Aroclor-1242 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 22:01	MJC
Aroclor-1248 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 22:01	MJC
Aroclor-1254 [1]	0.38	0.090	mg/Kg	1	O-03, V-24	SW-846 8082A	12/13/12	12/17/12 22:01	MJC
Aroclor-1260 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 22:01	MJC
Aroclor-1262 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 22:01	MJC
Aroclor-1268 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/13/12	12/17/12 22:01	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	91.5	30-150							12/17/12 22:01
Decachlorobiphenyl [2]	89.8	30-150							12/17/12 22:01
Tetrachloro-m-xylene [1]	90.9	30-150							12/17/12 22:01
Tetrachloro-m-xylene [2]	97.0	30-150							12/17/12 22:01

Sample Extraction Data
Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
12L0321-01 [12-8 Sub 01-1]	B064594	2.09	10.0	12/13/12
12L0321-02 [12-8 Sub 01-2]	B064594	2.17	10.0	12/13/12
12L0321-03 [12-8 Sub 01-3]	B064594	2.09	10.0	12/13/12
12L0321-04 [12-8 Sub 02-1]	B064594	2.01	10.0	12/13/12
12L0321-05 [12-8 Sub 02-2]	B064594	2.07	10.0	12/13/12
12L0321-06 [12-8 Sub 02-3]	B064594	1.91	10.0	12/13/12
12L0321-07 [12-8 Sub 03-1]	B064594	2.08	10.0	12/13/12
12L0321-08 [12-8 Sub 03-2]	B064594	2.23	10.0	12/13/12
12L0321-09 [12-8 Sub 03-3]	B064594	2.03	10.0	12/13/12
12L0321-10 [12-8 Sub 04-1]	B064594	2.02	10.0	12/13/12
12L0321-11 [12-8 Sub 04-2]	B064594	2.12	10.0	12/13/12
12L0321-12 [12-8 Sub 04-3]	B064594	2.11	10.0	12/13/12
12L0321-13 [12-8 Sub 05-1]	B064594	1.87	10.0	12/13/12
12L0321-14 [12-8 Sub 05-2]	B064594	2.00	10.0	12/13/12
12L0321-15 [12-8 Sub 05-3]	B064594	2.29	10.0	12/13/12
12L0321-16 [12-8 Sub 06-1]	B064594	2.04	10.0	12/13/12
12L0321-17 [12-8 Sub 06-2]	B064594	2.04	10.0	12/13/12
12L0321-18 [12-8 Sub 06-3]	B064594	2.06	10.0	12/13/12
12L0321-19 [12-8 Sub 07-1]	B064594	2.09	10.0	12/13/12
12L0321-20 [12-8 Sub 08-1]	B064594	2.23	10.0	12/13/12

QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch B064594 - SW-846 3540C

Blank (B064594-BLK1)					Prepared: 12/13/12 Analyzed: 12/17/12					
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	0.900	mg/Kg	1.00		90.0	30-150				
Surrogate: Decachlorobiphenyl [2C]	0.898	mg/Kg	1.00		89.8	30-150				
Surrogate: Tetrachloro-m-xylene	0.881	mg/Kg	1.00		88.1	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	0.951	mg/Kg	1.00		95.1	30-150				

LCS (B064594-BS1)					Prepared: 12/13/12 Analyzed: 12/17/12					
Aroclor-1016	0.29	0.10	mg/Kg	0.250		116	40-140			
Aroclor-1016 [2C]	0.33	0.10	mg/Kg	0.250		133	40-140			
Aroclor-1260	0.29	0.10	mg/Kg	0.250		117	40-140			
Aroclor-1260 [2C]	0.31	0.10	mg/Kg	0.250		125	40-140			V-06
Surrogate: Decachlorobiphenyl	0.995	mg/Kg	1.00		99.5	30-150				
Surrogate: Decachlorobiphenyl [2C]	0.991	mg/Kg	1.00		99.1	30-150				
Surrogate: Tetrachloro-m-xylene	0.982	mg/Kg	1.00		98.2	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	1.04	mg/Kg	1.00		104	30-150				

LCS Dup (B064594-BSD1)					Prepared: 12/13/12 Analyzed: 12/17/12					
Aroclor-1016	0.29	0.10	mg/Kg	0.250		114	40-140	1.90	30	
Aroclor-1016 [2C]	0.32	0.10	mg/Kg	0.250		127	40-140	5.09	30	
Aroclor-1260	0.29	0.10	mg/Kg	0.250		116	40-140	0.925	30	
Aroclor-1260 [2C]	0.31	0.10	mg/Kg	0.250		124	40-140	0.918	30	V-06
Surrogate: Decachlorobiphenyl	0.949	mg/Kg	1.00		94.9	30-150				
Surrogate: Decachlorobiphenyl [2C]	0.947	mg/Kg	1.00		94.7	30-150				
Surrogate: Tetrachloro-m-xylene	0.925	mg/Kg	1.00		92.5	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	0.983	mg/Kg	1.00		98.3	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.
- O-03 Sample contains two incompletely resolved aroclors. Aroclor with the closest matching pattern is reported.
- P-04 Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported.
- V-06 Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
- V-24 Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.

CERTIFICATIONS

Certified Analyses included in this Report

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

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 Public Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2013
NH-S	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	460217	12/14/2013
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2012



CHAIN OF CUSTODY RECORD

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Fax: 413-525-6405
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www.contestlabs.com

39 Spruce Street
East Longmeadow, MA 01028

Page _____ of _____

Company Name: AACL ZNU

Telephone: 12 L0321

Address: 222 Clinton Ave.

Project # 12 L0321

Attention: Bridgeman, CT

Client POC#

Project Location: Esplanade Hill School Subs

DATA DELIVERY (check all that apply)

FAX EMAIL WEBSITE

PDF EXCEL GIS

OTHER "Enhanced Data Package"

Matrix Conc Code

Lab to Filter

Field Filtered

Dissolved Metal

of Containers

Preservation

Container Code

Vial

Summa can

Tedlar bag

Other

Matrix Conc Code:

A=Amber glass

G=glass

P=plastic

ST=sterile

V=vial

S=soil

T=drinking water

H=High

M=Medium

L=Low

C=Clean

U=Unknown

N=Nitric Acid

S=Sulfuric Acid

B=Sodium bisulfate

X=Na hydroxide

T=Na thiosulfate

O=Other

R=HCl

M=Methanol

G=groundwater

W=wastewater

A=air

S=soil/solid

SL=sludge

O=other

Matrix Code:

MCP Form Required

RCP Form Required

MA State DW Form Required PWSID #

Turnaround Time: 12-Hr

RUSH[†]

24-Hr 48-Hr

72-Hr 4-Day

Require lab approval

Other:

Connecticut: CT

Massachusetts: MA

High Concentration: Yes

Low Concentration: No

No Detection Limit: No

Yes Detection Limit: Yes

Detection Limit Requirements: None

Is your project MCP or RCP? MCP

MCP Form Required

RCP Form Required

MA State DW Form Required PWSID #

Turnaround Time: 12-Hr

RUSH[†]

24-Hr 48-Hr

72-Hr 4-Day

Require lab approval

Other:

Connecticut: CT

Massachusetts: MA

High Concentration: Yes

Low Concentration: No

No Detection Limit: No

Yes Detection Limit: Yes

Detection Limit Requirements: None

Is your project MCP or RCP? MCP

MCP Form Required

RCP Form Required

MA State DW Form Required PWSID #

Turnaround Time: 12-Hr

RUSH[†]

24-Hr 48-Hr

72-Hr 4-Day

Require lab approval

Other:

Connecticut: CT

Massachusetts: MA

High Concentration: Yes

Low Concentration: No

No Detection Limit: No

Yes Detection Limit: Yes

Detection Limit Requirements: None

Is your project MCP or RCP? MCP

MCP Form Required

RCP Form Required

MA State DW Form Required PWSID #

Turnaround Time: 12-Hr

RUSH[†]

24-Hr 48-Hr

72-Hr 4-Day

Require lab approval

Other:

Connecticut: CT

Massachusetts: MA

High Concentration: Yes

Low Concentration: No

No Detection Limit: No

Yes Detection Limit: Yes

Detection Limit Requirements: None

Is your project MCP or RCP? MCP

MCP Form Required

RCP Form Required

MA State DW Form Required PWSID #

Turnaround Time: 12-Hr

RUSH[†]

24-Hr 48-Hr

72-Hr 4-Day

Require lab approval

Other:

Connecticut: CT

Massachusetts: MA

High Concentration: Yes

Low Concentration: No

No Detection Limit: No

Yes Detection Limit: Yes

Detection Limit Requirements: None

Is your project MCP or RCP? MCP

MCP Form Required

RCP Form Required

MA State DW Form Required PWSID #

Turnaround Time: 12-Hr

RUSH[†]

24-Hr 48-Hr

72-Hr 4-Day

Require lab approval

Other:

Connecticut: CT

Massachusetts: MA

High Concentration: Yes

Low Concentration: No

No Detection Limit: No

Yes Detection Limit: Yes

Detection Limit Requirements: None

Is your project MCP or RCP? MCP

MCP Form Required

RCP Form Required

MA State DW Form Required PWSID #

Turnaround Time: 12-Hr

RUSH[†]

24-Hr 48-Hr

72-Hr 4-Day

Require lab approval

Other:

Connecticut: CT

Massachusetts: MA

High Concentration: Yes

Low Concentration: No

No Detection Limit: No

Yes Detection Limit: Yes

Detection Limit Requirements: None

Is your project MCP or RCP? MCP

MCP Form Required

RCP Form Required

MA State DW Form Required PWSID #

Turnaround Time: 12-Hr

RUSH[†]

24-Hr 48-Hr

72-Hr 4-Day

Require lab approval

Other:

Connecticut: CT

Massachusetts: MA

High Concentration: Yes

Low Concentration: No

No Detection Limit: No

Yes Detection Limit: Yes

Detection Limit Requirements: None

Is your project MCP or RCP? MCP

MCP Form Required

RCP Form Required

MA State DW Form Required PWSID #

Turnaround Time: 12-Hr

RUSH[†]

24-Hr 48-Hr

72-Hr 4-Day

Require lab approval

Other:

Connecticut: CT

Massachusetts: MA

High Concentration: Yes

Low Concentration: No

No Detection Limit: No

Yes Detection Limit: Yes

Detection Limit Requirements: None

Is your project MCP or RCP? MCP

MCP Form Required

RCP Form Required

MA State DW Form Required PWSID #

Turnaround Time: 12-Hr

RUSH[†]

24-Hr 48-Hr

72-Hr 4-Day

Require lab approval

Other:

Connecticut: CT

Massachusetts: MA

High Concentration: Yes

Low Concentration: No

No Detection Limit: No

Yes Detection Limit: Yes

Detection Limit Requirements: None

Is your project MCP or RCP? MCP

MCP Form Required

RCP Form Required

MA State DW Form Required PWSID #

Turnaround Time: 12-Hr

RUSH[†]

24-Hr 48-Hr

72-Hr 4-Day

Require lab approval

Other:

Connecticut: CT

Massachusetts: MA

High Concentration: Yes

Low Concentration: No

No Detection Limit: No

Yes Detection Limit: Yes

Detection Limit Requirements: None

Is your project MCP or RCP? MCP



CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page _____ of _____

Company Name: Amc Env.		Telephone: 12 L0321		
Address: 622 Aulen Ave		Project #		
Sampled By:		Client PO#		
Project Location: Bridgeport, CT		DATA DELIVERY (check all that apply)		
		<input type="checkbox"/> FAX <input type="checkbox"/> EMAIL <input checked="" type="checkbox"/> WEBSITE		
Comments:		Project Proposal Provided? (for billing purposes) <input type="radio"/> yes _____ proposal date <input type="radio"/> no _____		
Con-Test Lab ID <small>(Laboratory use only)</small>	Client Sample ID / Description	Collection	Format	Analysis Requested
11	12-8 Sub 04-2 Cmu-m Env	Beginning Date/Time	Ending Date/Time	Composite Grab
12	12-8 Sub 04-3 Cm 120 cmu-m 2nd Course C-Desc			5
13	12-8 Sub 05-1 Cm 120 cmu-m Brick C-Desc at 120 cmu-m			
14	12-8 Sub 05-2 Cm 123 cmu-m Brick C-Desc at 123 cmu-m			
15	12-8 Sub 05-3 Cm 120 cmu-m Brick C-Desc at 120 cmu-m			
16	12-8 Sub 06-1 Cm 126 cmu-m Brick C-Desc 2nd course			
17	12-8 Sub 06-2 Cm 123 cmu-m Brick Number 2nd course			
18	12-8 Sub 06-3 Cm 126 cmu-m Brick Number 2nd course			
19	12-8 Sub 07-1 Cm 120 cmu-m Face C-Desc Rn Rd			
20	12-8 Sub 08-1 Cm 120 cmu-m 2nd course			
Comments:		<i>Sothlet</i>		
Retrinitshed by: (signature) <i>John</i>		<p>Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:</p> <p>H - High; M - Medium; L - Low; C - Clean; U - Unknown</p>		
Retrinitshed by: (signature) <i>John</i>		Date/Time: 12/11/12	Turnaround 5-7 Day	Detection Limit Requirements
Retrinitshed by: (signature) <i>John</i>		Date/Time: 12/11/12	10-Day	Massachusetts: _____
Retrinitshed by: (signature) <i>John</i>		Date/Time: 12/11/12	Other _____	Connecticut: LLPco
Received by: (signature) <i>John</i>		Date/Time: 12/11/12	RUSH 124-Hr	Is your project MCP or RCP?
Received by: (signature) <i>John</i>		Date/Time: 12/11/12	48-Hr	<input type="radio"/> MCP Form Required
Received by: (signature) <i>John</i>		Date/Time: 12/11/12	72-Hr	<input type="radio"/> RCP Form Required
Received by: (signature) <i>John</i>		Date/Time: 12/11/12	4-Day	<input type="radio"/> MA State DW Form Required PWSID # _____
Received by: (signature) <i>John</i>			Require lab approval	Other: _____
				*Matrix Codes: GW = groundwater WW = wastewater A = air S = soil/solid SL = sludge O = other _____
				# of Containers ** Preservation ***Container Code: A =amber glass G =glass P =plastic ST =sterile V =vial S =summation T =tediar bag O =Other
				Page 29 of 30 12L0321_1 Contest_Final 12 18 12
				Email: info@contestlabs.com
				www.contestlabs.com
				ANALYTICAL LABORATORY
				Rev 04.05.12

Comments:

Please use the following codes to let Con-Test know if a specific sample

H - High; M - Medium; L - Low; C - Clean; U - Unknown

usage

Reinquois 9

SCHOOL SUBJECT MAPS

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1

Digitized by: (A)

MCP Form Required

RCP Form Required

100

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10 AUGUST

NAP, LLC

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BE Certified

10 KNAU

NOTES ON HOG CHAIN. & HIS FORM IS NOT MEER

13 INCUBEC

NEW YORK JOURNAL OF LITERATURE

IS INCORRECT

PLEASE BE CAREFUL NOT TO CONTAMINATE.

100

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



Sample Receipt Checklist

CLIENT NAME: AMC

RECEIVED BY: J.A.

DATE: 12/11

- 1) Was the chain(s) of custody relinquished and signed? Yes No No CoC Included
- 2) Does the chain agree with the samples?
If not, explain:
- 3) Are all the samples in good condition?
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 6.4

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

Who was notified _____ Date _____ Time _____

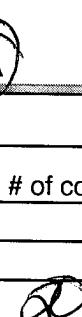
- 6) Are there any RUSH or SHORT HOLDING TIME samples? Yes No

Who was notified _____ Date _____ Time _____

- 7) Location where samples are stored: 

Permission to subcontract samples? Yes No

(Walk-in clients only) if not already approved

Client Signature: 

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

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

- 10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No N/A

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	<u>20</u>
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 _____ Time and Date Frozen:

Doc# 277 # Bisulfate _____ # DI Water _____

Rev. 3 May 2012 # Thiosulfate _____ Unpreserved

LABORATORY RESULTS

PCB Soil Sample Results

November 2, 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: 12J1062

Enclosed are results of analyses for samples received by the laboratory on October 26, 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:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12J1062

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
10-24 Soil 0 01-1	12J1062-01	Soil	Composite O/S Rm 122	SM 2540G SW-846 8082A	
10-24 Soil 0 02-1	12J1062-02	Soil	Composite O/S Rm 122	SM 2540G SW-846 8082A	
10-24 Soil 0 03-1	12J1062-03	Soil	Composite O/S Rm 122	SM 2540G SW-846 8082A	
10-24 Soil 0 01-2	12J1062-04	Soil	Composite O/S Rm 123 + 124	SM 2540G SW-846 8082A	
10-24 Soil 0 02-2	12J1062-05	Soil	Composite O/S Rm 123 + 124	SM 2540G SW-846 8082A	
10-24 Soil 0 03-2	12J1062-06	Soil	Composite O/S Rm 123 + 124	SM 2540G SW-846 8082A	
10-24 Soil 0 04	12J1062-07	Soil	Composite @ Planter	SM 2540G SW-846 8082A	
10-24 Soil 0 05-1	12J1062-08	Soil	Composite O/S Rm 125 T1	SM 2540G SW-846 8082A	
10-24 Soil 0 06-1	12J1062-09	Soil	Composite O/S Rm 125 T1	SM 2540G SW-846 8082A	
10-24 Soil 0 07-1	12J1062-10	Soil	Composite O/S Rms 101, 102, 103 T1	SM 2540G SW-846 8082A	
10-24 Soil 0 05-2	12J1062-11	Soil	Composite O/S Rms 101, 102, 103 T1	SM 2540G SW-846 8082A	
10-24 Soil 0 06-2	12J1062-12	Soil	Composite O/S Rms 101, 102, 103 T1	SM 2540G SW-846 8082A	
10-24 Soil 0 07-2	12J1062-13	Soil	Composite O/S Rms 101, 102, 103 T1	SM 2540G SW-846 8082A	
10-24 Soil 0 05-3	12J1062-14	Soil	Composite O/S Rms 104 + 105 T1	SM 2540G SW-846 8082A	
10-24 Soil 0 06-3	12J1062-15	Soil	Composite O/S Rms 104 + 105 T1	SM 2540G SW-846 8082A	
10-24 Soil 0 07-3	12J1062-16	Soil	Composite O/S Rms 104 + 105 T1	SM 2540G SW-846 8082A	
10-24 Soil 0 08-1	12J1062-17	Soil	Composite O/S Office T1A	SM 2540G SW-846 8082A	
10-24 Soil 0 09-1	12J1062-18	Soil	Composite O/S Office T1A	SM 2540G SW-846 8082A	
10-24 Soil 0 10-1	12J1062-19	Soil	Composite O/S Office T1A	SM 2540G SW-846 8082A	
10-24 Soil 0 08-2	12J1062-20	Soil	Composite O/S U.P + Prince Offices T1A	SM 2540G SW-846 8082A	

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

REPORT DATE: 11/2/2012

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

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12J1062

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
10-24 Soil 0 09-2	12J1062-21	Soil	Composite O/S U.P + Prince Offices T1A	SM 2540G SW-846 8082A	
10-24 Soil 0 10-2	12J1062-22	Soil	Composite O/S U.P + Prince Offices T1A	SM 2540G 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:

Sample fingerprint does not match standard exactly. Sample was quantitated against the closest matching standard.

Analyte & Samples(s) Qualified:

Aroclor-1254 [2C]

12J1062-11[10-24 Soil 0 05-2], 12J1062-18[10-24 Soil 0 09-1], 12J1062-20[10-24 Soil 0 08-2], 12J1062-21[10-24 Soil 0 09-2], 12J1062-22[10-24 Soil 0 10-2]

Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. The higher result was reported.

Analyte & Samples(s) Qualified:

Aroclor-1254 [2C]

12J1062-18[10-24 Soil 0 09-1], 12J1062-22[10-24 Soil 0 10-2]

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]

12J1062-05[10-24 Soil 0 02-2]

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

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

Project Location: Osborn Hill School

Sample Description: Composite O/S Rm 122

Work Order: 12J1062

Date Received: 10/26/2012

Field Sample #: 10-24 Soil 0 01-1

Sampled: 10/24/2012 00:00

Sample ID: 12J1062-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.21	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 15:14	PJG
Aroclor-1221 [1]	ND	0.21	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 15:14	PJG
Aroclor-1232 [1]	ND	0.21	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 15:14	PJG
Aroclor-1242 [1]	ND	0.21	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 15:14	PJG
Aroclor-1248 [1]	ND	0.21	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 15:14	PJG
Aroclor-1254 [2]	2.0	0.21	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 15:14	PJG
Aroclor-1260 [1]	ND	0.21	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 15:14	PJG
Aroclor-1262 [1]	ND	0.21	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 15:14	PJG
Aroclor-1268 [1]	ND	0.21	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 15:14	PJG
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	86.4	30-150							11/1/12 15:14
Decachlorobiphenyl [2]	91.6	30-150							11/1/12 15:14
Tetrachloro-m-xylene [1]	94.8	30-150							11/1/12 15:14
Tetrachloro-m-xylene [2]	95.9	30-150							11/1/12 15:14

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

Project Location: Osborn Hill School

Sample Description: Composite O/S Rm 122

Work Order: 12J1062

Date Received: 10/26/2012

Field Sample #: 10-24 Soil 0 01-1

Sampled: 10/24/2012 00:00

Sample ID: 12J1062-01

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	47.1		% Wt	1		SM 2540G	10/27/12	10/27/12 16:55	EW

Project Location: Osborn Hill School

Sample Description: Composite O/S Rm 122

Work Order: 12J1062

Date Received: 10/26/2012

Field Sample #: 10-24 Soil 0 02-1

Sampled: 10/24/2012 00:00

Sample ID: 12J1062-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.21	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 15:26	PJG
Aroclor-1221 [1]	ND	0.21	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 15:26	PJG
Aroclor-1232 [1]	ND	0.21	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 15:26	PJG
Aroclor-1242 [1]	ND	0.21	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 15:26	PJG
Aroclor-1248 [1]	ND	0.21	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 15:26	PJG
Aroclor-1254 [2]	1.6	0.21	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 15:26	PJG
Aroclor-1260 [1]	ND	0.21	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 15:26	PJG
Aroclor-1262 [1]	ND	0.21	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 15:26	PJG
Aroclor-1268 [1]	ND	0.21	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 15:26	PJG
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		86.9	30-150					11/1/12 15:26	
Decachlorobiphenyl [2]		91.7	30-150					11/1/12 15:26	
Tetrachloro-m-xylene [1]		97.8	30-150					11/1/12 15:26	
Tetrachloro-m-xylene [2]		99.2	30-150					11/1/12 15:26	

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Project Location: Osborn Hill School

Sample Description: Composite O/S Rm 122

Work Order: 12J1062

Date Received: 10/26/2012

Field Sample #: 10-24 Soil 0 02-1

Sampled: 10/24/2012 00:00

Sample ID: 12J1062-02

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	44.5		% Wt	1		SM 2540G	10/27/12	10/27/12 16:55	EW

Project Location: Osborn Hill School

Sample Description: Composite O/S Rm 122

Work Order: 12J1062

Date Received: 10/26/2012

Field Sample #: 10-24 Soil 0 03-1

Sampled: 10/24/2012 00:00

Sample ID: 12J1062-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.21	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 15:38	PJG
Aroclor-1221 [1]	ND	0.21	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 15:38	PJG
Aroclor-1232 [1]	ND	0.21	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 15:38	PJG
Aroclor-1242 [1]	ND	0.21	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 15:38	PJG
Aroclor-1248 [1]	ND	0.21	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 15:38	PJG
Aroclor-1254 [2]	0.70	0.21	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 15:38	PJG
Aroclor-1260 [1]	ND	0.21	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 15:38	PJG
Aroclor-1262 [1]	ND	0.21	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 15:38	PJG
Aroclor-1268 [1]	ND	0.21	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 15:38	PJG
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		79.5	30-150					11/1/12 15:38	
Decachlorobiphenyl [2]		84.3	30-150					11/1/12 15:38	
Tetrachloro-m-xylene [1]		93.1	30-150					11/1/12 15:38	
Tetrachloro-m-xylene [2]		94.0	30-150					11/1/12 15:38	

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Project Location: Osborn Hill School

Sample Description: Composite O/S Rm 122

Work Order: 12J1062

Date Received: 10/26/2012

Field Sample #: 10-24 Soil 0 03-1

Sampled: 10/24/2012 00:00

Sample ID: 12J1062-03

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	47.0		% Wt	1		SM 2540G	10/27/12	10/27/12 16:55	EW

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Project Location: Osborn Hill School

Sample Description: Composite O/S Rm 123 + 124

Work Order: 12J1062

Date Received: 10/26/2012

Field Sample #: 10-24 Soil 0 01-2

Sampled: 10/24/2012 00:00

Sample ID: 12J1062-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.86	mg/Kg dry	25		SW-846 8082A	10/30/12	11/2/12 11:43	PJG
Aroclor-1221 [1]	ND	0.86	mg/Kg dry	25		SW-846 8082A	10/30/12	11/2/12 11:43	PJG
Aroclor-1232 [1]	ND	0.86	mg/Kg dry	25		SW-846 8082A	10/30/12	11/2/12 11:43	PJG
Aroclor-1242 [1]	ND	0.86	mg/Kg dry	25		SW-846 8082A	10/30/12	11/2/12 11:43	PJG
Aroclor-1248 [1]	ND	0.86	mg/Kg dry	25		SW-846 8082A	10/30/12	11/2/12 11:43	PJG
Aroclor-1254 [1]	5.9	0.86	mg/Kg dry	25		SW-846 8082A	10/30/12	11/2/12 11:43	PJG
Aroclor-1260 [1]	ND	0.86	mg/Kg dry	25		SW-846 8082A	10/30/12	11/2/12 11:43	PJG
Aroclor-1262 [1]	ND	0.86	mg/Kg dry	25		SW-846 8082A	10/30/12	11/2/12 11:43	PJG
Aroclor-1268 [1]	ND	0.86	mg/Kg dry	25		SW-846 8082A	10/30/12	11/2/12 11:43	PJG
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	81.3	30-150							11/2/12 11:43
Decachlorobiphenyl [2]	98.2	30-150							11/2/12 11:43
Tetrachloro-m-xylene [1]	92.8	30-150							11/2/12 11:43
Tetrachloro-m-xylene [2]	95.3	30-150							11/2/12 11:43

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Project Location: Osborn Hill School

Sample Description: Composite O/S Rm 123 + 124

Work Order: 12J1062

Date Received: 10/26/2012

Field Sample #: 10-24 Soil 0 01-2

Sampled: 10/24/2012 00:00

Sample ID: 12J1062-04

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	54.3		% Wt	1		SM 2540G	10/27/12	10/27/12 16:55	EW

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Project Location: Osborn Hill School

Sample Description: Composite O/S Rm 123 + 124

Work Order: 12J1062

Date Received: 10/26/2012

Field Sample #: 10-24 Soil 0 02-2

Sampled: 10/24/2012 00:00

Sample ID: 12J1062-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.73	mg/Kg dry	25		SW-846 8082A	10/31/12	11/2/12 15:50	MJC
Aroclor-1221 [1]	ND	0.73	mg/Kg dry	25		SW-846 8082A	10/31/12	11/2/12 15:50	MJC
Aroclor-1232 [1]	ND	0.73	mg/Kg dry	25		SW-846 8082A	10/31/12	11/2/12 15:50	MJC
Aroclor-1242 [1]	ND	0.73	mg/Kg dry	25		SW-846 8082A	10/31/12	11/2/12 15:50	MJC
Aroclor-1248 [1]	ND	0.73	mg/Kg dry	25		SW-846 8082A	10/31/12	11/2/12 15:50	MJC
Aroclor-1254 [1]	5.9	0.73	mg/Kg dry	25		SW-846 8082A	10/31/12	11/2/12 15:50	MJC
Aroclor-1260 [1]	ND	0.73	mg/Kg dry	25		SW-846 8082A	10/31/12	11/2/12 15:50	MJC
Aroclor-1262 [1]	ND	0.73	mg/Kg dry	25		SW-846 8082A	10/31/12	11/2/12 15:50	MJC
Aroclor-1268 [1]	ND	0.73	mg/Kg dry	25		SW-846 8082A	10/31/12	11/2/12 15:50	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	*	30-150		S-01					11/2/12 15:50
Decachlorobiphenyl [2]	*	30-150		S-01					11/2/12 15:50
Tetrachloro-m-xylene [1]	*	30-150		S-01					11/2/12 15:50
Tetrachloro-m-xylene [2]	*	30-150		S-01					11/2/12 15:50

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

Project Location: Osborn Hill School

Sample Description: Composite O/S Rm 123 + 124

Work Order: 12J1062

Date Received: 10/26/2012

Sampled: 10/24/2012 00:00

Field Sample #: 10-24 Soil 0 02-2

Sample ID: 12J1062-05

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	67.6		% Wt	1		SM 2540G	10/27/12	10/27/12 16:55	EW

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Project Location: Osborn Hill School

Sample Description: Composite O/S Rm 123 + 124

Work Order: 12J1062

Date Received: 10/26/2012

Field Sample #: 10-24 Soil 0 03-2

Sampled: 10/24/2012 00:00

Sample ID: 12J1062-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.82	mg/Kg dry	25		SW-846 8082A	10/30/12	11/2/12 11:56	PJG
Aroclor-1221 [1]	ND	0.82	mg/Kg dry	25		SW-846 8082A	10/30/12	11/2/12 11:56	PJG
Aroclor-1232 [1]	ND	0.82	mg/Kg dry	25		SW-846 8082A	10/30/12	11/2/12 11:56	PJG
Aroclor-1242 [1]	ND	0.82	mg/Kg dry	25		SW-846 8082A	10/30/12	11/2/12 11:56	PJG
Aroclor-1248 [1]	ND	0.82	mg/Kg dry	25		SW-846 8082A	10/30/12	11/2/12 11:56	PJG
Aroclor-1254 [2]	6.1	0.82	mg/Kg dry	25		SW-846 8082A	10/30/12	11/2/12 11:56	PJG
Aroclor-1260 [1]	ND	0.82	mg/Kg dry	25		SW-846 8082A	10/30/12	11/2/12 11:56	PJG
Aroclor-1262 [1]	ND	0.82	mg/Kg dry	25		SW-846 8082A	10/30/12	11/2/12 11:56	PJG
Aroclor-1268 [1]	ND	0.82	mg/Kg dry	25		SW-846 8082A	10/30/12	11/2/12 11:56	PJG
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	81.4	30-150							11/2/12 11:56
Decachlorobiphenyl [2]	97.4	30-150							11/2/12 11:56
Tetrachloro-m-xylene [1]	91.0	30-150							11/2/12 11:56
Tetrachloro-m-xylene [2]	92.1	30-150							11/2/12 11:56

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Project Location: Osborn Hill School

Sample Description: Composite O/S Rm 123 + 124

Work Order: 12J1062

Date Received: 10/26/2012

Sampled: 10/24/2012 00:00

Field Sample #: 10-24 Soil 0 03-2

Sample ID: 12J1062-06

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	59.2		% Wt	1		SM 2540G	10/27/12	10/27/12 16:55	EW

Project Location: Osborn Hill School

Sample Description: Composite @ Planter

Work Order: 12J1062

Date Received: 10/26/2012

Sampled: 10/24/2012 00:00

Field Sample #: 10-24 Soil 0 04

Sample ID: 12J1062-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.26	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 16:16	PJG
Aroclor-1221 [1]	ND	0.26	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 16:16	PJG
Aroclor-1232 [1]	ND	0.26	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 16:16	PJG
Aroclor-1242 [1]	ND	0.26	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 16:16	PJG
Aroclor-1248 [1]	ND	0.26	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 16:16	PJG
Aroclor-1254 [1]	ND	0.26	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 16:16	PJG
Aroclor-1260 [1]	ND	0.26	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 16:16	PJG
Aroclor-1262 [1]	ND	0.26	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 16:16	PJG
Aroclor-1268 [1]	ND	0.26	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 16:16	PJG
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		70.1	30-150					11/1/12 16:16	
Decachlorobiphenyl [2]		72.4	30-150					11/1/12 16:16	
Tetrachloro-m-xylene [1]		84.1	30-150					11/1/12 16:16	
Tetrachloro-m-xylene [2]		84.8	30-150					11/1/12 16:16	

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Project Location: Osborn Hill School

Sample Description: Composite @ Planter

Work Order: 12J1062

Date Received: 10/26/2012

Sampled: 10/24/2012 00:00

Field Sample #: 10-24 Soil 0 04

Sample ID: 12J1062-07

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	38.1		% Wt	1		SM 2540G	10/27/12	10/27/12 16:55	EW

Project Location: Osborn Hill School

Sample Description: Composite O/S Rm 125 T1

Work Order: 12J1062

Date Received: 10/26/2012

Field Sample #: 10-24 Soil 0 05-1

Sampled: 10/24/2012 00:00

Sample ID: 12J1062-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 16:28	PJG
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 16:28	PJG
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 16:28	PJG
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 16:28	PJG
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 16:28	PJG
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 16:28	PJG
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 16:28	PJG
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 16:28	PJG
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 16:28	PJG
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		82.0	30-150					11/1/12 16:28	
Decachlorobiphenyl [2]		84.9	30-150					11/1/12 16:28	
Tetrachloro-m-xylene [1]		92.5	30-150					11/1/12 16:28	
Tetrachloro-m-xylene [2]		92.9	30-150					11/1/12 16:28	

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

Project Location: Osborn Hill School

Sample Description: Composite O/S Rm 125 T1

Work Order: 12J1062

Date Received: 10/26/2012

Field Sample #: 10-24 Soil 0 05-1

Sampled: 10/24/2012 00:00

Sample ID: 12J1062-08

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	74.6		% Wt	1		SM 2540G	10/27/12	10/27/12 16:55	EW

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

Project Location: Osborn Hill School

Sample Description: Composite O/S Rm 125 T1

Work Order: 12J1062

Date Received: 10/26/2012

Field Sample #: 10-24 Soil 0 06-1

Sampled: 10/24/2012 00:00

Sample ID: 12J1062-09

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 16:40	PJG
Aroclor-1221 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 16:40	PJG
Aroclor-1232 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 16:40	PJG
Aroclor-1242 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 16:40	PJG
Aroclor-1248 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 16:40	PJG
Aroclor-1254 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 16:40	PJG
Aroclor-1260 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 16:40	PJG
Aroclor-1262 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 16:40	PJG
Aroclor-1268 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 16:40	PJG
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	86.0	30-150							11/1/12 16:40
Decachlorobiphenyl [2]	90.4	30-150							11/1/12 16:40
Tetrachloro-m-xylene [1]	96.5	30-150							11/1/12 16:40
Tetrachloro-m-xylene [2]	96.3	30-150							11/1/12 16:40

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Project Location: Osborn Hill School

Sample Description: Composite O/S Rm 125 T1

Work Order: 12J1062

Date Received: 10/26/2012

Field Sample #: 10-24 Soil 0 06-1

Sampled: 10/24/2012 00:00

Sample ID: 12J1062-09

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	65.0		% Wt	1		SM 2540G	10/27/12	10/27/12 16:55	EW

Project Location: Osborn Hill School

Sample Description: Composite O/S Rms 101, 102, 103 T1

Work Order: 12J1062

Date Received: 10/26/2012

Field Sample #: 10-24 Soil 0 07-1

Sampled: 10/24/2012 00:00

Sample ID: 12J1062-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 16:53	PJG
Aroclor-1221 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 16:53	PJG
Aroclor-1232 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 16:53	PJG
Aroclor-1242 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 16:53	PJG
Aroclor-1248 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 16:53	PJG
Aroclor-1254 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 16:53	PJG
Aroclor-1260 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 16:53	PJG
Aroclor-1262 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 16:53	PJG
Aroclor-1268 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 16:53	PJG
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		85.7	30-150					11/1/12 16:53	
Decachlorobiphenyl [2]		93.3	30-150					11/1/12 16:53	
Tetrachloro-m-xylene [1]		96.7	30-150					11/1/12 16:53	
Tetrachloro-m-xylene [2]		96.7	30-150					11/1/12 16:53	

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

Project Location: Osborn Hill School

Sample Description: Composite O/S Rms 101, 102, 103 T1

Work Order: 12J1062

Date Received: 10/26/2012

Sampled: 10/24/2012 00:00

Field Sample #: 10-24 Soil 0 07-1

Sample ID: 12J1062-10

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	61.6		% Wt	1		SM 2540G	10/27/12	10/27/12 16:55	EW

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Project Location: Osborn Hill School

Sample Description: Composite O/S Rms 101, 102, 103 T1

Work Order: 12J1062

Date Received: 10/26/2012

Field Sample #: 10-24 Soil 0 05-2

Sampled: 10/24/2012 00:00

Sample ID: 12J1062-11

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 17:30	PJG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 17:30	PJG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 17:30	PJG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 17:30	PJG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 17:30	PJG
Aroclor-1254 [2]	0.12	0.11	mg/Kg dry	5	O-04	SW-846 8082A	10/30/12	11/1/12 17:30	PJG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 17:30	PJG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 17:30	PJG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 17:30	PJG
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	82.2	30-150							11/1/12 17:30
Decachlorobiphenyl [2]	87.3	30-150							11/1/12 17:30
Tetrachloro-m-xylene [1]	91.1	30-150							11/1/12 17:30
Tetrachloro-m-xylene [2]	91.2	30-150							11/1/12 17:30

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Project Location: Osborn Hill School

Sample Description: Composite O/S Rms 101, 102, 103 T1

Work Order: 12J1062

Date Received: 10/26/2012

Sampled: 10/24/2012 00:00

Field Sample #: 10-24 Soil 0 05-2

Sample ID: 12J1062-11

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.8		% Wt	1		SM 2540G	10/27/12	10/27/12 16:55	EW

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Project Location: Osborn Hill School

Sample Description: Composite O/S Rms 101, 102, 103 T1

Work Order: 12J1062

Date Received: 10/26/2012

Field Sample #: 10-24 Soil 0 06-2

Sampled: 10/24/2012 00:00

Sample ID: 12J1062-12

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 17:42	PJG
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 17:42	PJG
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 17:42	PJG
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 17:42	PJG
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 17:42	PJG
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 17:42	PJG
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 17:42	PJG
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 17:42	PJG
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 17:42	PJG
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	82.4	30-150							11/1/12 17:42
Decachlorobiphenyl [2]	88.2	30-150							11/1/12 17:42
Tetrachloro-m-xylene [1]	95.6	30-150							11/1/12 17:42
Tetrachloro-m-xylene [2]	95.8	30-150							11/1/12 17:42

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Project Location: Osborn Hill School

Sample Description: Composite O/S Rms 101, 102, 103 T1

Work Order: 12J1062

Date Received: 10/26/2012

Sampled: 10/24/2012 00:00

Field Sample #: 10-24 Soil 0 06-2

Sample ID: 12J1062-12

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	78.3		% Wt	1		SM 2540G	10/27/12	10/27/12 16:55	EW

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Project Location: Osborn Hill School

Sample Description: Composite O/S Rms 101, 102, 103 T1

Work Order: 12J1062

Date Received: 10/26/2012

Field Sample #: 10-24 Soil 0 07-2

Sampled: 10/24/2012 00:00

Sample ID: 12J1062-13

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 17:54	PJG
Aroclor-1221 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 17:54	PJG
Aroclor-1232 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 17:54	PJG
Aroclor-1242 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 17:54	PJG
Aroclor-1248 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 17:54	PJG
Aroclor-1254 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 17:54	PJG
Aroclor-1260 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 17:54	PJG
Aroclor-1262 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 17:54	PJG
Aroclor-1268 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 17:54	PJG
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	82.5	30-150							11/1/12 17:54
Decachlorobiphenyl [2]	87.1	30-150							11/1/12 17:54
Tetrachloro-m-xylene [1]	95.0	30-150							11/1/12 17:54
Tetrachloro-m-xylene [2]	94.6	30-150							11/1/12 17:54

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Project Location: Osborn Hill School

Sample Description: Composite O/S Rms 101, 102, 103 T1

Work Order: 12J1062

Date Received: 10/26/2012

Sampled: 10/24/2012 00:00

Field Sample #: 10-24 Soil 0 07-2

Sample ID: 12J1062-13

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	66.7		% Wt	1		SM 2540G	10/27/12	10/27/12 16:55	EW

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Project Location: Osborn Hill School

Sample Description: Composite O/S Rms 104 + 105 T1

Work Order: 12J1062

Date Received: 10/26/2012

Field Sample #: 10-24 Soil 0 05-3

Sampled: 10/24/2012 00:00

Sample ID: 12J1062-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:07	PJG
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:07	PJG
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:07	PJG
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:07	PJG
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:07	PJG
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:07	PJG
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:07	PJG
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:07	PJG
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:07	PJG
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	79.1	30-150							11/1/12 18:07
Decachlorobiphenyl [2]	84.5	30-150							11/1/12 18:07
Tetrachloro-m-xylene [1]	94.1	30-150							11/1/12 18:07
Tetrachloro-m-xylene [2]	94.0	30-150							11/1/12 18:07

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Project Location: Osborn Hill School

Sample Description: Composite O/S Rms 104 + 105 T1

Work Order: 12J1062

Date Received: 10/26/2012

Field Sample #: 10-24 Soil 0 05-3

Sampled: 10/24/2012 00:00

Sample ID: 12J1062-14

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.2		% Wt	1		SM 2540G	10/27/12	10/27/12 16:55	EW

Project Location: Osborn Hill School

Sample Description: Composite O/S Rms 104 + 105 T1

Work Order: 12J1062

Date Received: 10/26/2012

Field Sample #: 10-24 Soil 0 06-3

Sampled: 10/24/2012 00:00

Sample ID: 12J1062-15

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:19	PJG
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:19	PJG
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:19	PJG
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:19	PJG
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:19	PJG
Aroclor-1254 [2]	0.16	0.13	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:19	PJG
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:19	PJG
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:19	PJG
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:19	PJG
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		84.4	30-150					11/1/12 18:19	
Decachlorobiphenyl [2]		85.3	30-150					11/1/12 18:19	
Tetrachloro-m-xylene [1]		93.7	30-150					11/1/12 18:19	
Tetrachloro-m-xylene [2]		93.8	30-150					11/1/12 18:19	

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Project Location: Osborn Hill School

Sample Description: Composite O/S Rms 104 + 105 T1

Work Order: 12J1062

Date Received: 10/26/2012

Field Sample #: 10-24 Soil 0 06-3

Sampled: 10/24/2012 00:00

Sample ID: 12J1062-15

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	73.0		% Wt	1		SM 2540G	10/27/12	10/27/12 16:55	EW

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

Project Location: Osborn Hill School

Sample Description: Composite O/S Rms 104 + 105 T1

Work Order: 12J1062

Date Received: 10/26/2012

Field Sample #: 10-24 Soil 0 07-3

Sampled: 10/24/2012 00:00

Sample ID: 12J1062-16

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:32	PJG
Aroclor-1221 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:32	PJG
Aroclor-1232 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:32	PJG
Aroclor-1242 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:32	PJG
Aroclor-1248 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:32	PJG
Aroclor-1254 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:32	PJG
Aroclor-1260 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:32	PJG
Aroclor-1262 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:32	PJG
Aroclor-1268 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:32	PJG
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	81.8	30-150							11/1/12 18:32
Decachlorobiphenyl [2]	82.6	30-150							11/1/12 18:32
Tetrachloro-m-xylene [1]	93.5	30-150							11/1/12 18:32
Tetrachloro-m-xylene [2]	93.0	30-150							11/1/12 18:32

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

Project Location: Osborn Hill School

Sample Description: Composite O/S Rms 104 + 105 T1

Work Order: 12J1062

Date Received: 10/26/2012

Sampled: 10/24/2012 00:00

Field Sample #: 10-24 Soil 0 07-3

Sample ID: 12J1062-16

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	66.3		% Wt	1		SM 2540G	10/27/12	10/27/12 16:55	EW

Project Location: Osborn Hill School

Sample Description: Composite O/S Office T1A

Work Order: 12J1062

Date Received: 10/26/2012

Field Sample #: 10-24 Soil 0 08-1

Sampled: 10/24/2012 00:00

Sample ID: 12J1062-17

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:44	PJG
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:44	PJG
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:44	PJG
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:44	PJG
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:44	PJG
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:44	PJG
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:44	PJG
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:44	PJG
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:44	PJG
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		80.6	30-150					11/1/12 18:44	
Decachlorobiphenyl [2]		83.4	30-150					11/1/12 18:44	
Tetrachloro-m-xylene [1]		91.8	30-150					11/1/12 18:44	
Tetrachloro-m-xylene [2]		90.0	30-150					11/1/12 18:44	

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Project Location: Osborn Hill School

Sample Description: Composite O/S Office T1A

Work Order: 12J1062

Date Received: 10/26/2012

Field Sample #: 10-24 Soil 0 08-1

Sampled: 10/24/2012 00:00

Sample ID: 12J1062-17

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	74.5		% Wt	1		SM 2540G	10/27/12	10/27/12 16:55	EW

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

Project Location: Osborn Hill School

Sample Description: Composite O/S Office T1A

Work Order: 12J1062

Date Received: 10/26/2012

Field Sample #: 10-24 Soil 0 09-1

Sampled: 10/24/2012 00:00

Sample ID: 12J1062-18

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:56	PJG
Aroclor-1221 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:56	PJG
Aroclor-1232 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:56	PJG
Aroclor-1242 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:56	PJG
Aroclor-1248 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:56	PJG
Aroclor-1254 [2]	0.37	0.15	mg/Kg dry	5	O-04, P-01	SW-846 8082A	10/30/12	11/1/12 18:56	PJG
Aroclor-1260 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:56	PJG
Aroclor-1262 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:56	PJG
Aroclor-1268 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 18:56	PJG
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	83.1	30-150							11/1/12 18:56
Decachlorobiphenyl [2]	86.5	30-150							11/1/12 18:56
Tetrachloro-m-xylene [1]	94.6	30-150							11/1/12 18:56
Tetrachloro-m-xylene [2]	94.5	30-150							11/1/12 18:56

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

Project Location: Osborn Hill School

Sample Description: Composite O/S Office T1A

Work Order: 12J1062

Date Received: 10/26/2012

Sampled: 10/24/2012 00:00

Field Sample #: 10-24 Soil 0 09-1

Sample ID: 12J1062-18

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	65.7		% Wt	1		SM 2540G	10/27/12	10/27/12 16:55	EW

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

Project Location: Osborn Hill School

Sample Description: Composite O/S Office T1A

Work Order: 12J1062

Date Received: 10/26/2012

Field Sample #: 10-24 Soil 0 10-1

Sampled: 10/24/2012 00:00

Sample ID: 12J1062-19

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 19:09	PJG
Aroclor-1221 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 19:09	PJG
Aroclor-1232 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 19:09	PJG
Aroclor-1242 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 19:09	PJG
Aroclor-1248 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 19:09	PJG
Aroclor-1254 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 19:09	PJG
Aroclor-1260 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 19:09	PJG
Aroclor-1262 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 19:09	PJG
Aroclor-1268 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 19:09	PJG
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	81.7	30-150							11/1/12 19:09
Decachlorobiphenyl [2]	83.4	30-150							11/1/12 19:09
Tetrachloro-m-xylene [1]	94.5	30-150							11/1/12 19:09
Tetrachloro-m-xylene [2]	93.8	30-150							11/1/12 19:09

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

Project Location: Osborn Hill School

Sample Description: Composite O/S Office T1A

Work Order: 12J1062

Date Received: 10/26/2012

Field Sample #: 10-24 Soil 0 10-1

Sampled: 10/24/2012 00:00

Sample ID: 12J1062-19

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	60.3		% Wt	1		SM 2540G	10/27/12	10/27/12 16:55	EW

Project Location: Osborn Hill School

Sample Description: Composite O/S U.P + Prince Offices T

Work Order: 12J1062

Date Received: 10/26/2012

Field Sample #: 10-24 Soil 0 08-2

Sampled: 10/24/2012 00:00

Sample ID: 12J1062-20

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 19:21	PJG
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 19:21	PJG
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 19:21	PJG
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 19:21	PJG
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 19:21	PJG
Aroclor-1254 [2]	0.23	0.12	mg/Kg dry	5	O-04	SW-846 8082A	10/30/12	11/1/12 19:21	PJG
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 19:21	PJG
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 19:21	PJG
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 19:21	PJG
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		84.2	30-150					11/1/12 19:21	
Decachlorobiphenyl [2]		87.4	30-150					11/1/12 19:21	
Tetrachloro-m-xylene [1]		95.4	30-150					11/1/12 19:21	
Tetrachloro-m-xylene [2]		95.8	30-150					11/1/12 19:21	

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

Project Location: Osborn Hill School

Sample Description: Composite O/S U.P + Prince Offices T

Work Order: 12J1062

Date Received: 10/26/2012

Field Sample #: 10-24 Soil 0 08-2

Sampled: 10/24/2012 00:00

Sample ID: 12J1062-20

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.7		% Wt	1		SM 2540G	10/27/12	10/27/12 16:55	EW

Project Location: Osborn Hill School

Sample Description: Composite O/S U.P + Prince Offices T

Work Order: 12J1062

Date Received: 10/26/2012

Field Sample #: 10-24 Soil 0 09-2

Sampled: 10/24/2012 00:00

Sample ID: 12J1062-21

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 21:00	PJG
Aroclor-1221 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 21:00	PJG
Aroclor-1232 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 21:00	PJG
Aroclor-1242 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 21:00	PJG
Aroclor-1248 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 21:00	PJG
Aroclor-1254 [2]	0.19	0.15	mg/Kg dry	5	O-04	SW-846 8082A	10/30/12	11/1/12 21:00	PJG
Aroclor-1260 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 21:00	PJG
Aroclor-1262 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 21:00	PJG
Aroclor-1268 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 21:00	PJG
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		83.1	30-150					11/1/12 21:00	
Decachlorobiphenyl [2]		84.8	30-150					11/1/12 21:00	
Tetrachloro-m-xylene [1]		92.4	30-150					11/1/12 21:00	
Tetrachloro-m-xylene [2]		92.3	30-150					11/1/12 21:00	

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

Project Location: Osborn Hill School

Sample Description: Composite O/S U.P + Prince Offices T

Work Order: 12J1062

Date Received: 10/26/2012

Sampled: 10/24/2012 00:00

Field Sample #: 10-24 Soil 0 09-2

Sample ID: 12J1062-21

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	62.2		% Wt	1		SM 2540G	10/27/12	10/27/12 16:55	EW

Project Location: Osborn Hill School

Sample Description: Composite O/S U.P + Prince Offices T

Work Order: 12J1062

Date Received: 10/26/2012

Field Sample #: 10-24 Soil 0 10-2

Sampled: 10/24/2012 00:00

Sample ID: 12J1062-22

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 21:12	PJG
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 21:12	PJG
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 21:12	PJG
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 21:12	PJG
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 21:12	PJG
Aroclor-1254 [2]	0.21	0.14	mg/Kg dry	5	O-04, P-01	SW-846 8082A	10/30/12	11/1/12 21:12	PJG
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 21:12	PJG
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 21:12	PJG
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	10/30/12	11/1/12 21:12	PJG
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		70.9	30-150						11/1/12 21:12
Decachlorobiphenyl [2]		81.2	30-150						11/1/12 21:12
Tetrachloro-m-xylene [1]		92.0	30-150						11/1/12 21:12
Tetrachloro-m-xylene [2]		91.1	30-150						11/1/12 21:12

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

Project Location: Osborn Hill School

Sample Description: Composite O/S U.P + Prince Offices T

Work Order: 12J1062

Date Received: 10/26/2012

Sampled: 10/24/2012 00:00

Field Sample #: 10-24 Soil 0 10-2

Sample ID: 12J1062-22

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	67.6		% Wt	1		SM 2540G	10/27/12	10/27/12 16:55	EW

Sample Extraction Data
Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
12J1062-01 [10-24 Soil 0 01-1]	B061753	10/27/12
12J1062-02 [10-24 Soil 0 02-1]	B061753	10/27/12
12J1062-03 [10-24 Soil 0 03-1]	B061753	10/27/12
12J1062-04 [10-24 Soil 0 01-2]	B061753	10/27/12
12J1062-05 [10-24 Soil 0 02-2]	B061753	10/27/12
12J1062-06 [10-24 Soil 0 03-2]	B061753	10/27/12
12J1062-07 [10-24 Soil 0 04]	B061753	10/27/12
12J1062-08 [10-24 Soil 0 05-1]	B061753	10/27/12
12J1062-09 [10-24 Soil 0 06-1]	B061753	10/27/12
12J1062-10 [10-24 Soil 0 07-1]	B061753	10/27/12
12J1062-11 [10-24 Soil 0 05-2]	B061753	10/27/12
12J1062-12 [10-24 Soil 0 06-2]	B061753	10/27/12
12J1062-13 [10-24 Soil 0 07-2]	B061753	10/27/12
12J1062-14 [10-24 Soil 0 05-3]	B061753	10/27/12
12J1062-15 [10-24 Soil 0 06-3]	B061753	10/27/12
12J1062-16 [10-24 Soil 0 07-3]	B061753	10/27/12
12J1062-17 [10-24 Soil 0 08-1]	B061753	10/27/12
12J1062-18 [10-24 Soil 0 09-1]	B061753	10/27/12
12J1062-19 [10-24 Soil 0 10-1]	B061753	10/27/12
12J1062-20 [10-24 Soil 0 08-2]	B061753	10/27/12
12J1062-21 [10-24 Soil 0 09-2]	B061753	10/27/12
12J1062-22 [10-24 Soil 0 10-2]	B061753	10/27/12

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
12J1062-01 [10-24 Soil 0 01-1]	B061905	10.0	10.0	10/30/12
12J1062-02 [10-24 Soil 0 02-1]	B061905	10.7	10.0	10/30/12
12J1062-03 [10-24 Soil 0 03-1]	B061905	10.3	10.0	10/30/12
12J1062-04 [10-24 Soil 0 01-2]	B061905	10.7	10.0	10/30/12
12J1062-06 [10-24 Soil 0 03-2]	B061905	10.3	10.0	10/30/12
12J1062-07 [10-24 Soil 0 04]	B061905	10.0	10.0	10/30/12
12J1062-08 [10-24 Soil 0 05-1]	B061905	10.6	10.0	10/30/12
12J1062-09 [10-24 Soil 0 06-1]	B061905	10.4	10.0	10/30/12
12J1062-10 [10-24 Soil 0 07-1]	B061905	10.2	10.0	10/30/12
12J1062-11 [10-24 Soil 0 05-2]	B061905	10.6	10.0	10/30/12
12J1062-12 [10-24 Soil 0 06-2]	B061905	10.5	10.0	10/30/12
12J1062-13 [10-24 Soil 0 07-2]	B061905	10.3	10.0	10/30/12
12J1062-14 [10-24 Soil 0 05-3]	B061905	10.0	10.0	10/30/12
12J1062-15 [10-24 Soil 0 06-3]	B061905	10.3	10.0	10/30/12
12J1062-16 [10-24 Soil 0 07-3]	B061905	10.3	10.0	10/30/12
12J1062-17 [10-24 Soil 0 08-1]	B061905	10.4	10.0	10/30/12
12J1062-18 [10-24 Soil 0 09-1]	B061905	10.3	10.0	10/30/12
12J1062-19 [10-24 Soil 0 10-1]	B061905	10.3	10.0	10/30/12
12J1062-20 [10-24 Soil 0 08-2]	B061905	10.1	10.0	10/30/12

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
12J1062-21 [10-24 Soil 0 09-2]	B061907	10.5	10.0	10/30/12
12J1062-22 [10-24 Soil 0 10-2]	B061907	10.6	10.0	10/30/12

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

Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
12J1062-05 [10-24 Soil 0 02-2]	B061982	10.1	10.0	10/31/12

QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch B061905 - SW-846 3540C
Blank (B061905-BLK1)

Prepared: 10/30/12 Analyzed: 11/02/12

Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.148		mg/Kg wet	0.200		74.0		30-150		
Surrogate: Decachlorobiphenyl [2C]	0.187		mg/Kg wet	0.200		93.5		30-150		
Surrogate: Tetrachloro-m-xylene	0.176		mg/Kg wet	0.200		87.9		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.182		mg/Kg wet	0.200		91.1		30-150		

LCS (B061905-BS1)

Prepared: 10/30/12 Analyzed: 11/02/12

Aroclor-1016	0.22	0.10	mg/Kg wet	0.200	108	40-140				
Aroclor-1016 [2C]	0.20	0.10	mg/Kg wet	0.200	98.8	40-140				
Aroclor-1260	0.22	0.10	mg/Kg wet	0.200	110	40-140				
Aroclor-1260 [2C]	0.19	0.10	mg/Kg wet	0.200	92.9	40-140				
Surrogate: Decachlorobiphenyl	0.148		mg/Kg wet	0.200	74.1	30-150				
Surrogate: Decachlorobiphenyl [2C]	0.185		mg/Kg wet	0.200	92.3	30-150				
Surrogate: Tetrachloro-m-xylene	0.181		mg/Kg wet	0.200	90.3	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	0.182		mg/Kg wet	0.200	90.8	30-150				

LCS Dup (B061905-BSD1)

Prepared: 10/30/12 Analyzed: 11/02/12

Aroclor-1016	0.21	0.10	mg/Kg wet	0.200	103	40-140	4.84	30		
Aroclor-1016 [2C]	0.20	0.10	mg/Kg wet	0.200	97.6	40-140	1.21	30		
Aroclor-1260	0.21	0.10	mg/Kg wet	0.200	106	40-140	4.20	30		
Aroclor-1260 [2C]	0.19	0.10	mg/Kg wet	0.200	94.0	40-140	1.21	30		
Surrogate: Decachlorobiphenyl	0.144		mg/Kg wet	0.200	71.8	30-150				
Surrogate: Decachlorobiphenyl [2C]	0.176		mg/Kg wet	0.200	87.8	30-150				
Surrogate: Tetrachloro-m-xylene	0.167		mg/Kg wet	0.200	83.6	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	0.171		mg/Kg wet	0.200	85.6	30-150				

QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Limit Notes
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Batch B061905 - SW-846 3540C

Matrix Spike (B061905-MS1)	Source: 12J1062-17			Prepared: 10/30/12 Analyzed: 11/01/12					
Aroclor-1016	0.28	0.13	mg/Kg dry	0.268	0.0	102	40-140		
Aroclor-1016 [2C]	0.31	0.13	mg/Kg dry	0.268	0.0	116	40-140		
Aroclor-1260	0.26	0.13	mg/Kg dry	0.268	0.0	95.2	40-140		
Aroclor-1260 [2C]	0.26	0.13	mg/Kg dry	0.268	0.0	98.6	40-140		
Surrogate: Decachlorobiphenyl	0.224		mg/Kg dry	0.268		83.4	30-150		
Surrogate: Decachlorobiphenyl [2C]	0.229		mg/Kg dry	0.268		85.4	30-150		
Surrogate: Tetrachloro-m-xylene	0.250		mg/Kg dry	0.268		93.0	30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.249		mg/Kg dry	0.268		92.8	30-150		
Matrix Spike Dup (B061905-MSD1)	Source: 12J1062-17			Prepared: 10/30/12 Analyzed: 11/01/12					
Aroclor-1016	0.22	0.13	mg/Kg dry	0.268	0.0	80.7	40-140	23.7	50
Aroclor-1016 [2C]	0.23	0.13	mg/Kg dry	0.268	0.0	86.9	40-140	29.0	50
Aroclor-1260	0.28	0.13	mg/Kg dry	0.268	0.0	106	40-140	10.6	50
Aroclor-1260 [2C]	0.27	0.13	mg/Kg dry	0.268	0.0	99.5	40-140	0.909	50
Surrogate: Decachlorobiphenyl	0.219		mg/Kg dry	0.268		81.8	30-150		
Surrogate: Decachlorobiphenyl [2C]	0.224		mg/Kg dry	0.268		83.3	30-150		
Surrogate: Tetrachloro-m-xylene	0.248		mg/Kg dry	0.268		92.4	30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.248		mg/Kg dry	0.268		92.3	30-150		

Batch B061907 - SW-846 3540C

Blank (B061907-BLK1)	Prepared: 10/30/12 Analyzed: 11/01/12					
Aroclor-1016	ND	0.020	mg/Kg wet			
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet			
Aroclor-1221	ND	0.020	mg/Kg wet			
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet			
Aroclor-1232	ND	0.020	mg/Kg wet			
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet			
Aroclor-1242	ND	0.020	mg/Kg wet			
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet			
Aroclor-1248	ND	0.020	mg/Kg wet			
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet			
Aroclor-1254	ND	0.020	mg/Kg wet			
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet			
Aroclor-1260	ND	0.020	mg/Kg wet			
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet			
Aroclor-1262	ND	0.020	mg/Kg wet			
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet			
Aroclor-1268	ND	0.020	mg/Kg wet			
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet			
Surrogate: Decachlorobiphenyl	0.104		mg/Kg wet	0.200	51.9	30-150
Surrogate: Decachlorobiphenyl [2C]	0.105		mg/Kg wet	0.200	52.3	30-150
Surrogate: Tetrachloro-m-xylene	0.109		mg/Kg wet	0.200	54.7	30-150
Surrogate: Tetrachloro-m-xylene [2C]	0.111		mg/Kg wet	0.200	55.4	30-150

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 B061907 - SW-846 3540C

LCS (B061907-BS1)						
Prepared: 10/30/12 Analyzed: 11/01/12						
Aroclor-1016	0.21	0.10	mg/Kg wet	0.200	105	40-140
Aroclor-1016 [2C]	0.20	0.10	mg/Kg wet	0.200	100	40-140
Aroclor-1260	0.20	0.10	mg/Kg wet	0.200	97.9	40-140
Aroclor-1260 [2C]	0.19	0.10	mg/Kg wet	0.200	95.9	40-140
Surrogate: Decachlorobiphenyl	0.171		mg/Kg wet	0.200	85.7	30-150
Surrogate: Decachlorobiphenyl [2C]	0.169		mg/Kg wet	0.200	84.4	30-150
Surrogate: Tetrachloro-m-xylene	0.183		mg/Kg wet	0.200	91.5	30-150
Surrogate: Tetrachloro-m-xylene [2C]	0.181		mg/Kg wet	0.200	90.5	30-150
LCS Dup (B061907-BSD1)						
Prepared: 10/30/12 Analyzed: 11/01/12						
Aroclor-1016	0.22	0.10	mg/Kg wet	0.200	108	40-140
Aroclor-1016 [2C]	0.21	0.10	mg/Kg wet	0.200	103	40-140
Aroclor-1260	0.20	0.10	mg/Kg wet	0.200	101	40-140
Aroclor-1260 [2C]	0.20	0.10	mg/Kg wet	0.200	99.4	40-140
Surrogate: Decachlorobiphenyl	0.180		mg/Kg wet	0.200	89.9	30-150
Surrogate: Decachlorobiphenyl [2C]	0.177		mg/Kg wet	0.200	88.6	30-150
Surrogate: Tetrachloro-m-xylene	0.184		mg/Kg wet	0.200	92.0	30-150
Surrogate: Tetrachloro-m-xylene [2C]	0.185		mg/Kg wet	0.200	92.3	30-150

Batch B061982 - SW-846 3540C

Blank (B061982-BLK1)						
Prepared: 10/31/12 Analyzed: 11/02/12						
Aroclor-1016	ND	0.020	mg/Kg wet			
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet			
Aroclor-1221	ND	0.020	mg/Kg wet			
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet			
Aroclor-1232	ND	0.020	mg/Kg wet			
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet			
Aroclor-1242	ND	0.020	mg/Kg wet			
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet			
Aroclor-1248	ND	0.020	mg/Kg wet			
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet			
Aroclor-1254	ND	0.020	mg/Kg wet			
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet			
Aroclor-1260	ND	0.020	mg/Kg wet			
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet			
Aroclor-1262	ND	0.020	mg/Kg wet			
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet			
Aroclor-1268	ND	0.020	mg/Kg wet			
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet			
Surrogate: Decachlorobiphenyl	0.188		mg/Kg wet	0.200	93.8	30-150
Surrogate: Decachlorobiphenyl [2C]	0.202		mg/Kg wet	0.200	101	30-150
Surrogate: Tetrachloro-m-xylene	0.177		mg/Kg wet	0.200	88.7	30-150
Surrogate: Tetrachloro-m-xylene [2C]	0.204		mg/Kg wet	0.200	102	30-150

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 B061982 - SW-846 3540C									
LCS (B061982-BS1)									
Prepared: 10/31/12 Analyzed: 11/02/12									
Aroclor-1016	0.22	0.10	mg/Kg wet	0.200	109	40-140			
Aroclor-1016 [2C]	0.23	0.10	mg/Kg wet	0.200	115	40-140			
Aroclor-1260	0.23	0.10	mg/Kg wet	0.200	113	40-140			
Aroclor-1260 [2C]	0.24	0.10	mg/Kg wet	0.200	118	40-140			
Surrogate: Decachlorobiphenyl	0.205		mg/Kg wet	0.200	103	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.208		mg/Kg wet	0.200	104	30-150			
Surrogate: Tetrachloro-m-xylene	0.197		mg/Kg wet	0.200	98.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.208		mg/Kg wet	0.200	104	30-150			
LCS Dup (B061982-BSD1)									
Prepared: 10/31/12 Analyzed: 11/02/12									
Aroclor-1016	0.21	0.10	mg/Kg wet	0.200	106	40-140	3.51	30	
Aroclor-1016 [2C]	0.22	0.10	mg/Kg wet	0.200	110	40-140	4.92	30	
Aroclor-1260	0.21	0.10	mg/Kg wet	0.200	107	40-140	5.78	30	
Aroclor-1260 [2C]	0.22	0.10	mg/Kg wet	0.200	111	40-140	6.12	30	
Surrogate: Decachlorobiphenyl	0.191		mg/Kg wet	0.200	95.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.191		mg/Kg wet	0.200	95.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.186		mg/Kg wet	0.200	93.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.196		mg/Kg wet	0.200	98.0	30-150			

QUALITY CONTROL

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Limit Notes
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Batch B061753 - % Solids

Duplicate (B061753-DUP1)	Source: 12J1062-01	Prepared & Analyzed: 10/27/12					
% Solids	47.2		% Wt		47.1	0.212	20
Duplicate (B061753-DUP2)	Source: 12J1062-13	Prepared & Analyzed: 10/27/12					
% Solids	68.0		% Wt		66.7	1.93	20

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.
- O-04 Sample fingerprint does not match standard exactly. Sample was quantitated against the closest matching standard.
- P-01 Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%.
The higher result was reported.
- 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
<i>SW-846 8082A in Soil</i>	
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 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	06/30/2013
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

con-test®

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page _____ of _____

Company Name: Amc Environmental

Telephone: 125 1062

Address: Bridgeport, CT

Project # 125 1062

Attention: Bridgeport, CT

Client PO#

Project Location: Osborn Hill School

Fax #

Sampled By: Justin Steele

Email: RESULTS@amctech.com

Project Proposal Provided? (for billing purposes)

Yes yes proposal date

Format PDF EXCEL GIS

OTHER "Enhanced Data Package"

Collection Sachet

Matrix Code

Conc. Unit

Beginning Date/Time 10-24-09 0 01-1 8"

Ending Date/Time 10-24-09 0 02-1 12"

Composite Grab

Date/Time 10/17/09

Composite O/S Rm 123+24

Soil O/S Rm 122

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

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

Is your project MCP or RCP?

MCP Form Required

RCP Form Required

MA State DW Form Required

PWSID #

NELAC & AHA-LAP, LLC

Accredited

WBE/DBE Certified

ANALYST:

ANALYST SIGNATURE

ANALYST DATE

ANALYST TIME

ANALYST APPROVAL

ANALYST COMMENTS

RUSH†

24-Hr

48-Hr

72-Hr

4-Day

Other

Comments:

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

CHAIN OF CUSTODY RECORD

 39 Spruce Street
 East Longmeadow, MA 01028

Page _____ of _____

Rev 04.05.12

 Company Name: Am & Envirocomics

 Telephone: 1251062

 Address: Bridgeport, CT
 Project Location: Cobeen Hill School

 Project # 2
 Client PO# P

 Attention: Samuel Prater
 Sampled By: Samuel Prater

 DATA DELIVERY (check all that apply)
 FAX
 EMAIL
 WEBSITE

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

 Format: PDF EXCEL GIS
 OTHER "Enhanced Data Package"

 ANALYSIS REQUESTED
 Matrix: Soxhlet
 Date/Time: 10/24/12

 # of Containers
 ***Preservation
 ***Container Code

 Dissolved Metal/
 Field Filtered
 Lab to Filter

 Collection
 Beginning Date/Time: 10/24/12
 Ending Date/Time: 10/24/12
 Composite Grab Date/Time: 10/24/12
 Matrix Date/Time: 10/24/12

 Dissolved Metal/
 Field Filtered
 Lab to Filter

 Matrix: Soxhlet
 Date/Time: 10/24/12

 Dissolved Metal/
 Field Filtered
 Lab to Filter

 Matrix: Soxhlet
 Date/Time: 10/24/12

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 Matrix: Soxhlet
 Date/Time: 10/24/12

 Dissolved Metal/
 Field Filtered
 Lab to Filter

 Matrix: Soxhlet
 Date/Time: 10/24/12

 Dissolved Metal/
 Field Filtered
 Lab to Filter

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Canc. Code Box:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Is your project MCP or RCP?

 Received by: Samuel Prater
 Date/TIME: 10/26/12

 Discharged by: Samuel Prater
 Date/TIME: 10/26/12

 Signature: Samuel Prater

 Received by: Samuel Prater

 Date/TIME: 10/26/12

 Signature: Samuel Prater

 Received by: Samuel Prater

 Date/TIME: 10/26/12

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 Signature: Samuel Prater

 Received by: Samuel Prater

 Date/TIME: 10/26/12

 Signature: Samuel Prater

 Received by: Samuel Prater



con-test

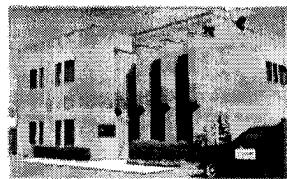
Phone: 413-525-2330
Fax: 413-525-6405
Email: info@confer.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name: AMC Environmental		Telephone: Bridgewater, CT
Address: 222 Clinton Ave		Project # P
Sampled By: ST-Str Prof		ANALYSIS REQUESTED
Project Proposal Provided? (for billing purposes)		<input type="radio"/> yes <input type="radio"/> no proposal date
Con-Test Lab ID <small>(laboratory use only)</small>	Client Sample ID / Description	DATA DELIVERY (check all that apply) <input type="radio"/> FAX <input checked="" type="radio"/> EMAIL <input type="checkbox"/> WEBSITE Format: <input checked="" type="radio"/> PDF <input type="radio"/> EXCEL <input type="radio"/> OGIS <input type="radio"/> OTHER
21	10-24 Soil C-09-2 16" composite 0/S U.P + Pr. 10-2 24" composite	Beginning Date/Time: 10/24/12
22	10-24 Soil C-09-2 24" composite 0/S U.P + Pr. 10-2 24" composite	Ending Date/Time: J
		Collection: "Enhanced Data Package"
		Composite: Grab
		Grab: Lid #
		Matrix: Conc. Code
		Sextilet
		***Cont. Code: A=Amber glass G=glass P=plastic ST=sterile V=vial S=surrinacan T=tediar 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
Comments: 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		
Relinquished by: (signature)	Date/Time:	Turnaround 7-7-Day
Received by: (signature)	Date/Time:	Massachusetts: _____
Relinquished by: (signature)	Date/Time:	Detection Limit Requirements Is your project MCP or RCP? <input type="radio"/> MCP Form Required <input type="radio"/> RCP Form Required <input type="radio"/> MA State DW Form Required PWSID # Connecticut: 2pm
Received by: (signature)	Date/Time:	+24-Hr <input type="checkbox"/> +48-Hr <input type="checkbox"/> +72-Hr <input type="checkbox"/> +4-Day <input type="checkbox"/> + Require lab approval Other: _____
 NELAC & AIHA-LAP, LLC Accredited WEDDE 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 Environmental RECEIVED BY: SD DATE: 16/26/12

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 S.8

5) Are there Dissolved samples for the lab to filter?

Who was notified _____ Date _____ Time _____

Yes No

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

10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No N/A

Containers received at Con-Test			
	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic		Plastic Bag / Ziploc	<u>22</u>
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 _____ Time and Date Frozen:

Doc# 277 # Bisulfate _____ # DI Water _____

Rev. 3 May 2012 # Thiosulfate _____ Unpreserved _____

December 18, 2012

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

Project Location: Osborn Hill Soils
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 12L0314

Enclosed are results of analyses for samples received by the laboratory on December 11, 2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Lisa A. Worthington
Project Manager

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

REPORT DATE: 12/18/2012

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

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12L0314

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 Soils

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
12-8 Soil 01-1	12L0314-01	Soil	Outside Rm 122 48in	SM 2540G	
				SW-846 8082A	
12-8 Soil 01-2	12L0314-02	Soil	Outside Rm 123 + 124 48in	SM 2540G	
				SW-846 8082A	
12-8 Soil 02-1	12L0314-03	Soil	Outside Rm 122 72in	SM 2540G	
				SW-846 8082A	
12-8 Soil 02-2	12L0314-04	Soil	Outside Rm 123 + 124 72in	SM 2540G	
				SW-846 8082A	

CASE NARRATIVE SUMMARY

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

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Michael A. Erickson
Laboratory Director

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

Project Location: Osborn Hill Soils

Sample Description: Outside Rm 122 48in

Work Order: 12L0314

Date Received: 12/11/2012

Sampled: 12/8/2012 00:00

Field Sample #: 12-8 Soil 01-1

Sample ID: 12L0314-01

Sample Matrix: Soil

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	mg/Kg dry	5		SW-846 8082A	12/12/12	12/13/12 17:42	JMB
Aroclor-1221 [1]	ND	0.20	mg/Kg dry	5		SW-846 8082A	12/12/12	12/13/12 17:42	JMB
Aroclor-1232 [1]	ND	0.20	mg/Kg dry	5		SW-846 8082A	12/12/12	12/13/12 17:42	JMB
Aroclor-1242 [1]	ND	0.20	mg/Kg dry	5		SW-846 8082A	12/12/12	12/13/12 17:42	JMB
Aroclor-1248 [1]	ND	0.20	mg/Kg dry	5		SW-846 8082A	12/12/12	12/13/12 17:42	JMB
Aroclor-1254 [2]	0.50	0.20	mg/Kg dry	5		SW-846 8082A	12/12/12	12/13/12 17:42	JMB
Aroclor-1260 [1]	ND	0.20	mg/Kg dry	5		SW-846 8082A	12/12/12	12/13/12 17:42	JMB
Aroclor-1262 [1]	ND	0.20	mg/Kg dry	5		SW-846 8082A	12/12/12	12/13/12 17:42	JMB
Aroclor-1268 [1]	ND	0.20	mg/Kg dry	5		SW-846 8082A	12/12/12	12/13/12 17:42	JMB
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	101	30-150							12/13/12 17:42
Decachlorobiphenyl [2]	91.2	30-150							12/13/12 17:42
Tetrachloro-m-xylene [1]	95.6	30-150							12/13/12 17:42
Tetrachloro-m-xylene [2]	99.8	30-150							12/13/12 17:42

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

Project Location: Osborn Hill Soils

Sample Description: Outside Rm 122 48in

Work Order: 12L0314

Date Received: 12/11/2012

Field Sample #: 12-8 Soil 01-1

Sampled: 12/8/2012 00:00

Sample ID: 12L0314-01

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	49.9		% Wt	1		SM 2540G	12/11/12	12/12/12 14:35	CWB

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

Project Location: Osborn Hill Soils

Sample Description: Outside Rm 123 + 124 48in

Work Order: 12L0314

Date Received: 12/11/2012

Field Sample #: 12-8 Soil 01-2

Sampled: 12/8/2012 00:00

Sample ID: 12L0314-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	12/12/12	12/13/12 17:55	JMB
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	12/12/12	12/13/12 17:55	JMB
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	12/12/12	12/13/12 17:55	JMB
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	12/12/12	12/13/12 17:55	JMB
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	12/12/12	12/13/12 17:55	JMB
Aroclor-1254 [2]	0.81	0.14	mg/Kg dry	5		SW-846 8082A	12/12/12	12/13/12 17:55	JMB
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	12/12/12	12/13/12 17:55	JMB
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	12/12/12	12/13/12 17:55	JMB
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	12/12/12	12/13/12 17:55	JMB
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	115	30-150							12/13/12 17:55
Decachlorobiphenyl [2]	101	30-150							12/13/12 17:55
Tetrachloro-m-xylene [1]	105	30-150							12/13/12 17:55
Tetrachloro-m-xylene [2]	109	30-150							12/13/12 17:55

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

Project Location: Osborn Hill Soils

Sample Description: Outside Rm 123 + 124 48in

Work Order: 12L0314

Date Received: 12/11/2012

Field Sample #: 12-8 Soil 01-2

Sampled: 12/8/2012 00:00

Sample ID: 12L0314-02

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	68.4		% Wt	1		SM 2540G	12/11/12	12/12/12 14:35	CWB

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

Project Location: Osborn Hill Soils

Sample Description: Outside Rm 122 72in

Work Order: 12L0314

Date Received: 12/11/2012

Field Sample #: 12-8 Soil 02-1

Sampled: 12/8/2012 00:00

Sample ID: 12L0314-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	12/12/12	12/13/12 18:08	JMB
Aroclor-1221 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	12/12/12	12/13/12 18:08	JMB
Aroclor-1232 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	12/12/12	12/13/12 18:08	JMB
Aroclor-1242 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	12/12/12	12/13/12 18:08	JMB
Aroclor-1248 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	12/12/12	12/13/12 18:08	JMB
Aroclor-1254 [1]	0.24	0.17	mg/Kg dry	5		SW-846 8082A	12/12/12	12/13/12 18:08	JMB
Aroclor-1260 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	12/12/12	12/13/12 18:08	JMB
Aroclor-1262 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	12/12/12	12/13/12 18:08	JMB
Aroclor-1268 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	12/12/12	12/13/12 18:08	JMB
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	120	30-150							12/13/12 18:08
Decachlorobiphenyl [2]	105	30-150							12/13/12 18:08
Tetrachloro-m-xylene [1]	109	30-150							12/13/12 18:08
Tetrachloro-m-xylene [2]	115	30-150							12/13/12 18:08

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Project Location: Osborn Hill Soils

Sample Description: Outside Rm 122 72in

Work Order: 12L0314

Date Received: 12/11/2012

Field Sample #: 12-8 Soil 02-1

Sampled: 12/8/2012 00:00

Sample ID: 12L0314-03

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	56.1		% Wt	1		SM 2540G	12/11/12	12/12/12 14:35	CWB

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Project Location: Osborn Hill Soils

Sample Description: Outside Rm 123 + 124 72in

Work Order: 12L0314

Date Received: 12/11/2012

Field Sample #: 12-8 Soil 02-2

Sampled: 12/8/2012 00:00

Sample ID: 12L0314-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	12/12/12	12/13/12 18:21	JMB
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	12/12/12	12/13/12 18:21	JMB
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	12/12/12	12/13/12 18:21	JMB
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	12/12/12	12/13/12 18:21	JMB
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	12/12/12	12/13/12 18:21	JMB
Aroclor-1254 [2]	0.34	0.14	mg/Kg dry	5		SW-846 8082A	12/12/12	12/13/12 18:21	JMB
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	12/12/12	12/13/12 18:21	JMB
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	12/12/12	12/13/12 18:21	JMB
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	12/12/12	12/13/12 18:21	JMB
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	130	30-150							12/13/12 18:21
Decachlorobiphenyl [2]	115	30-150							12/13/12 18:21
Tetrachloro-m-xylene [1]	120	30-150							12/13/12 18:21
Tetrachloro-m-xylene [2]	125	30-150							12/13/12 18:21

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

Project Location: Osborn Hill Soils

Sample Description: Outside Rm 123 + 124 72in

Work Order: 12L0314

Date Received: 12/11/2012

Field Sample #: 12-8 Soil 02-2

Sampled: 12/8/2012 00:00

Sample ID: 12L0314-04

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	69.2		% Wt	1		SM 2540G	12/11/12	12/12/12 14:35	CWB

Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
12L0314-01 [12-8 Soil 01-1]	B064423	12/11/12
12L0314-02 [12-8 Soil 01-2]	B064423	12/11/12
12L0314-03 [12-8 Soil 02-1]	B064423	12/11/12
12L0314-04 [12-8 Soil 02-2]	B064423	12/11/12

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
12L0314-01 [12-8 Soil 01-1]	B064491	10.0	10.0	12/12/12
12L0314-02 [12-8 Soil 01-2]	B064491	10.3	10.0	12/12/12
12L0314-03 [12-8 Soil 02-1]	B064491	10.2	10.0	12/12/12
12L0314-04 [12-8 Soil 02-2]	B064491	10.3	10.0	12/12/12

QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch B064491 - SW-846 3540C

Blank (B064491-BLK1)					Prepared: 12/12/12 Analyzed: 12/13/12					
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.196		mg/Kg wet	0.200		97.8		30-150		
Surrogate: Decachlorobiphenyl [2C]	0.175		mg/Kg wet	0.200		87.6		30-150		
Surrogate: Tetrachloro-m-xylene	0.169		mg/Kg wet	0.200		84.7		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.177		mg/Kg wet	0.200		88.4		30-150		

LCS (B064491-BS1)					Prepared: 12/12/12 Analyzed: 12/13/12					
Aroclor-1016	0.22	0.10	mg/Kg wet	0.200		112		40-140		
Aroclor-1016 [2C]	0.22	0.10	mg/Kg wet	0.200		111		40-140		
Aroclor-1260	0.23	0.10	mg/Kg wet	0.200		117		40-140		
Aroclor-1260 [2C]	0.22	0.10	mg/Kg wet	0.200		108		40-140		
Surrogate: Decachlorobiphenyl	0.187		mg/Kg wet	0.200		93.3		30-150		
Surrogate: Decachlorobiphenyl [2C]	0.174		mg/Kg wet	0.200		87.1		30-150		
Surrogate: Tetrachloro-m-xylene	0.173		mg/Kg wet	0.200		86.3		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.179		mg/Kg wet	0.200		89.3		30-150		

LCS Dup (B064491-BSD1)					Prepared: 12/12/12 Analyzed: 12/13/12					
Aroclor-1016	0.26	0.10	mg/Kg wet	0.200		128		40-140	13.0	30
Aroclor-1016 [2C]	0.25	0.10	mg/Kg wet	0.200		126		40-140	12.5	30
Aroclor-1260	0.26	0.10	mg/Kg wet	0.200		132		40-140	12.4	30
Aroclor-1260 [2C]	0.25	0.10	mg/Kg wet	0.200		124		40-140	13.2	30
Surrogate: Decachlorobiphenyl	0.216		mg/Kg wet	0.200		108		30-150		
Surrogate: Decachlorobiphenyl [2C]	0.199		mg/Kg wet	0.200		99.3		30-150		
Surrogate: Tetrachloro-m-xylene	0.197		mg/Kg wet	0.200		98.4		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.205		mg/Kg wet	0.200		102		30-150		

QUALITY CONTROL

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Limit Notes
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Batch B064423 - % Solids

Duplicate (B064423-DUP1)	Source: 12L0314-01	Prepared: 12/11/12 Analyzed: 12/12/12
% Solids	53.1	% Wt

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

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
<i>SW-846 8082A in Soil</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA

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 Public Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2013
NH-S	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	460217	12/14/2013
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2012

cont-test

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page _____ of _____

12L0314

Company Name: <u>Anc Env.</u>	Telephone: _____
Address: <u>6222 Clarendon Ave.</u>	Project #: _____
Attention: <u>Bridgewater, CT</u>	Client PO# _____
Project Location: <u>Oxbow Hill Soils</u>	DATA DELIVERY (check all that apply)
Sampled By: _____	<input type="checkbox"/> FAX # _____ <input type="checkbox"/> EMAIL _____ <input type="checkbox"/> WEBSITE _____
Project Proposal Provided? (for billing purposes) <input type="radio"/> Yes _____ proposal date _____	Format: <input type="radio"/> PDF <input type="radio"/> EXCEL <input type="radio"/> GIS <input type="radio"/> OTHER <input type="radio"/> "Enhanced Data Package"

Con-Test Lab ID	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix	Date/Time	Comments
01	12-8 Soil 01-1-015cm 12-2 48"				S			
02	12-85cm 01-2 015 cm 123 + 124 48"							
03	12-8 Soil 62-1-015cm 122 + 721							
04	12-85cm 02-2-015cm 123 + 124 721							

of Containers
** Preservation
*** Container Code

Dissolved Meta
 Field Filtered
 Lab to Filter

Soil test

Relinquished by: <u>3/22</u>	Date/Time: <u>11/11/12</u>	Turnaround: <input checked="" type="checkbox"/> 5-7-Day <input type="checkbox"/> 10-Day <input type="checkbox"/> Other _____	Detection Limit Requirements: _____	Is your project MCP or RCP? <input type="radio"/> MCP Form Required <input type="radio"/> RCP Form Required <input type="radio"/> MA State DW Form Required
Received by: <u>3/22</u>	Date/Time: <u>11/12</u>	RUSH: <input type="checkbox"/> Connecticut: _____	Massachusetts: _____	Other: _____
Relinquished by: <u>3/22</u>	Date/Time: <u>11/12</u>	Turnaround: <input type="checkbox"/> 24-Hr <input type="checkbox"/> 48-Hr <input type="checkbox"/> 72-Hr <input type="checkbox"/> 4-Day	Detection Limit Requirements: _____	MCP Form Required RCP Form Required MA State DW Form Required
Replaced by: <u>3/22</u>	Date/Time: <u>11/12</u>	Turnaround: <input type="checkbox"/> 5-7-Day <input type="checkbox"/> 10-Day <input type="checkbox"/> Other _____	Detection Limit Requirements: _____	Other: _____
Comments: <u>7.2/11/12</u>				

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Codes Box:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

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

Is your project MCP or RCP?

MCP Form Required
RCP Form Required
MA State DW Form Required

Received by: 3/22

Attention: Bridgewater, CT

Project Location: Oxbow Hill Soils

Sampled By: _____

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

Comments: _____

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

Comments: _____

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

Comments: _____

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

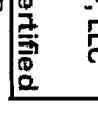
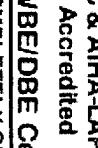
Comments: _____

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

Comments: _____

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



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

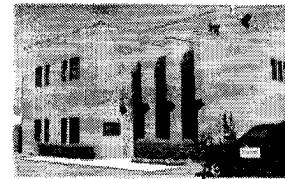


Sample Receipt Checklist

CLIENT NAME: AMC CN.

RECEIVED BY: VIA

DATE: 12/11



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 7.8

5) Are there Dissolved samples for the lab to filter?

Yes No

Who was notified _____ Date _____ Time _____

6) Are there any RUSH or SHORT HOLDING TIME samples?

Yes No

Who was notified _____ Date _____ Time _____

7) Location where samples are stored:

19

Permission to subcontract samples? Yes No

(Walk-in clients only) if not already approved

Client Signature:

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

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

10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No N/A

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	<u>4</u>
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 _____ Time and Date Frozen:

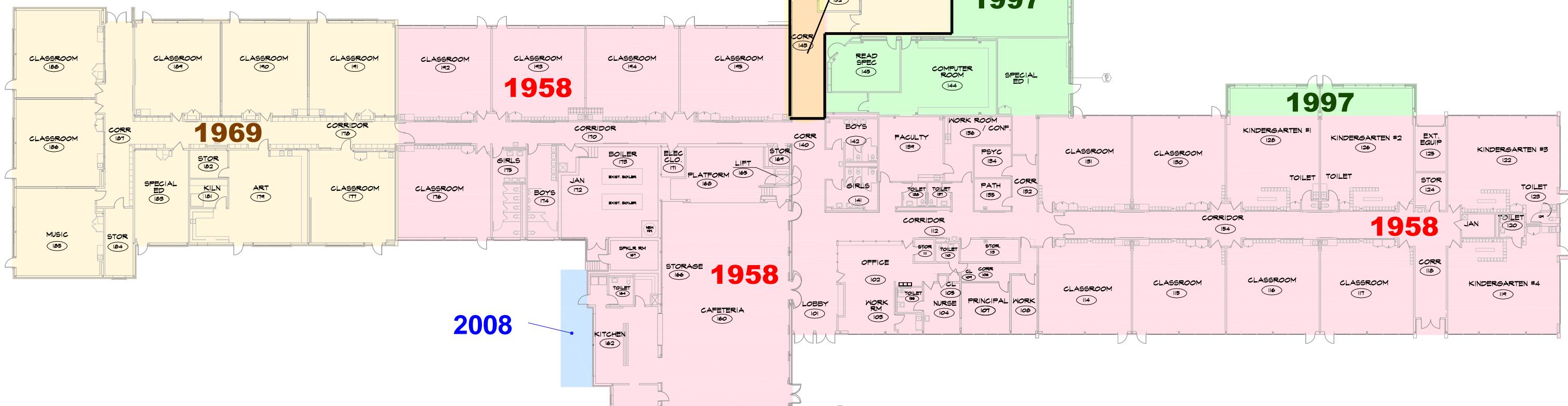
Doc# 277: # Bisulfate _____ # DI Water _____

Rev. 3 May 2012: # Thiosulfate _____ Unpreserved

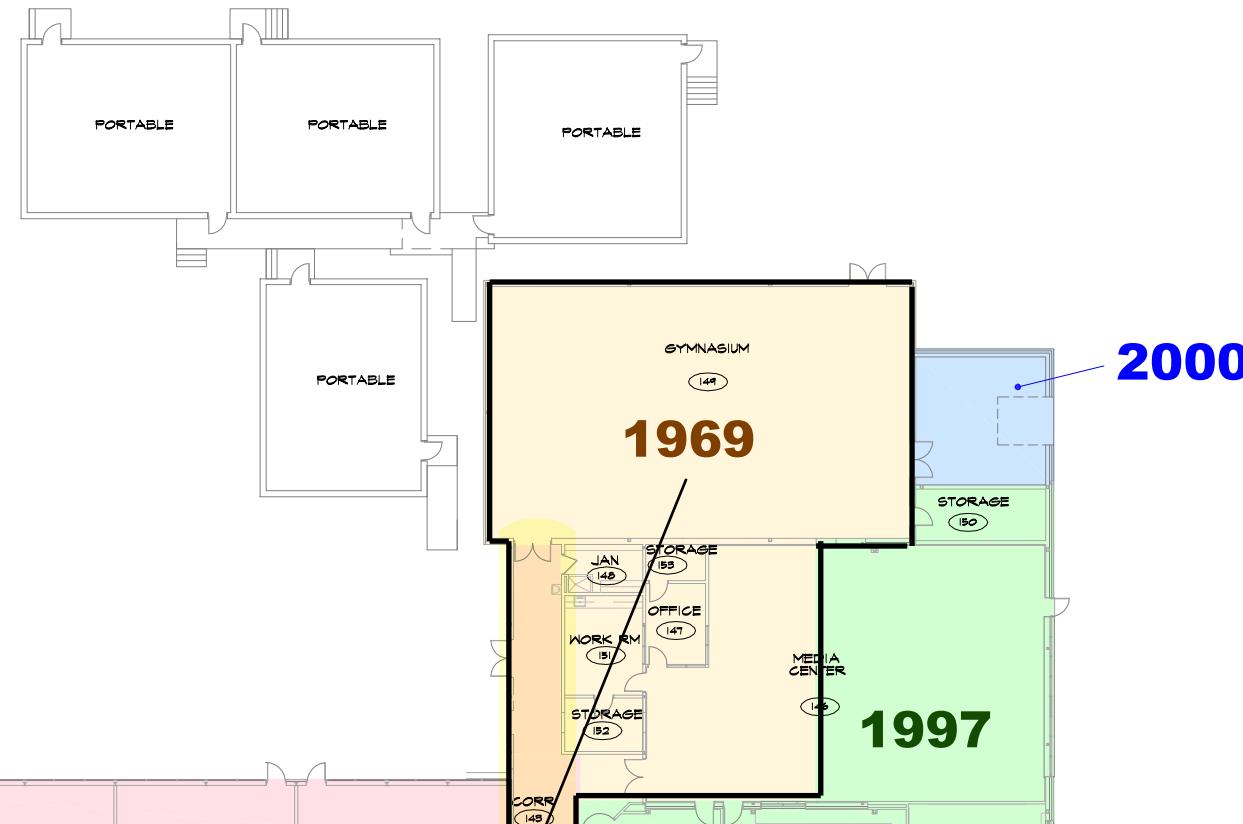
DIAGRAMS

Building Era Diagram

Window Type Diagram

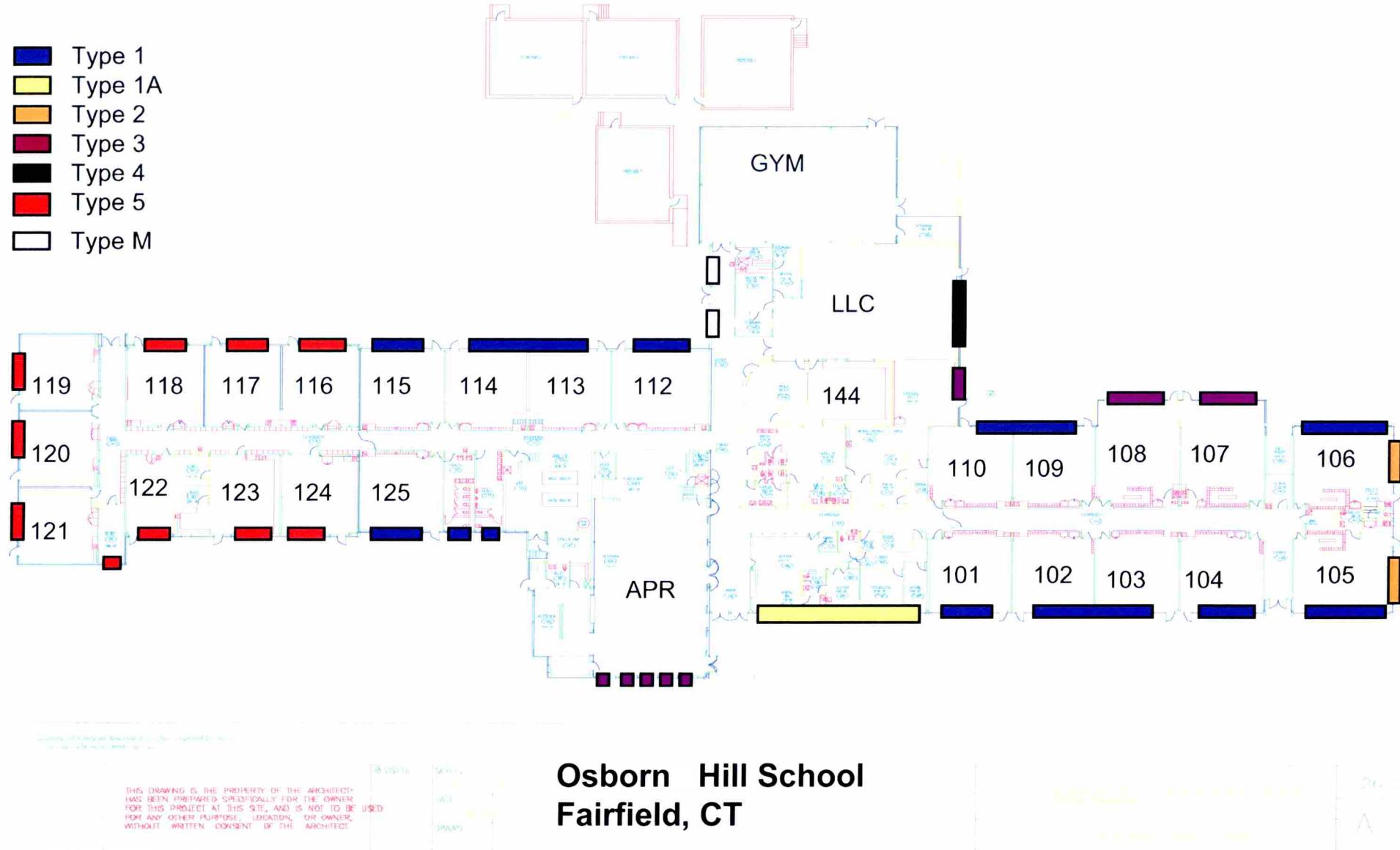
Side B**Existing Floor Plan**

1/32" = 1'-0"
Existing information obtained from plans prepared by others
Room names have not been verified.

Side C**Side D****Side A**

	THIS DRAWING IS THE PROPERTY OF THE ARCHITECT: HAS BEEN PREPARED SPECIFICALLY FOR THE OWNER FOR THIS PROJECT AT THIS SITE, AND IS NOT TO BE USED FOR ANY OTHER PURPOSE, LOCATION, OR OWNER, WITHOUT WRITTEN CONSENT OF THE ARCHITECT.	REVISED:	SCALE: 1/32" = 1'-0"				Osborn Hill Elementary School Fairfield, Connecticut	26-21
			DATE: 11-28-06	DRAWN:			BUILDING ERA SITE PLAN	2-1

- Type 1
- Type 1A
- Type 2
- Type 3
- Type 4
- Type 5
- Type M



Osborn Hill School Fairfield, CT

Window Type Diagram



ENVIRONMENTAL, LLC

January 14, 2013

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

RE: PCB Air and Wipe Sampling at Osborne Hill Elementary School in
Fairfield, CT – Library Containment

Dear Mr. Morabito:

INTRODUCTION

On November 26, 2012, AMC Environmental was retained by the town of Fairfield to conduct full-time project monitoring at Osborn Hill School in Fairfield Connecticut. This is the second phase of work conducted in this area due to unsatisfactory clearance results obtained from the first phase of work (duct cleaning) that was performed on August 13, 2012 by a duct cleaning contractor. This contractor was originally contracted to clean the contaminated duct systems in several areas within the school, including the areas currently under containment. At the completion of the cleaning, acceptable clearance results were not met in five specific areas. The rooms in question consist of the library, boys and girls bathroom, the reading room, and the hallway outside the library. In the report issued on September 11, 2012, AMC originally indicated that data suggested that cross contamination may have occurred during the cleaning of the ductwork. Other possibilities that were considered were that preexisting contamination may have been disturbed causing the elevated air samples within the rooms. After further examining the areas, it is evident that at some point the ceiling tiles and surfaces above the suspended ceiling were contaminated with PCB's. This contamination adversely affected the quality of the indoor air in these areas. Additionally, a section of ductwork that fed the gymnasium passed through sections of the library. This ductwork was previously identified as being contaminated with PCBs, therefore it was removed and disposed of during the second phase of work.

The second phase of work was put out to bid by the town of Fairfield to remove PCB contaminated ductwork in the library as well as contaminated ceiling tiles inside the containments. Following removal, the contractor was required to clean and decontaminate all surfaces above the suspended ceiling within the two containments. The contract was awarded to A.A.I.S, West Haven, CT. AMC provided continuous monitoring to ensure the work areas were properly isolated

AMC
Environmental,
LLC

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

P.O Box 423
Stratford, CT 06615

from non-work areas and that no breeches in the containments occurred during abatement. Additionally, AMC obtained continuous particulate air monitoring data around the work areas both prior to and during abatement.

Upon successful completion of the library remediation, AMC performed final visual inspections as well as post remediation environmental clearance sampling within the designated locations.

SUMMARY OF EVENTS

The prepping, cleaning and removal of PCB contaminated surfaces and ceiling tiles (Phase 2) commenced on November 26, 2012 and continued through December 17, 2012. The above mentioned areas were divided into two (2) separate containments. Containment one (1) consisted of the hallway outside the library, the reading room and the main boys and girl's bathroom. Containment two (2) consisted of the library, back Library office and front Library office.

In each of these areas, the scope of work included the removal of all acoustical ceiling tiles as well as cleaning and decontaminating all surfaces above the suspended ceiling. In the library, a section of contaminated metal ductwork was removed in addition to the ceiling tile. AAIS mobilized and exchanged their air scrubbers with the duct cleaning contractor's in the areas mentioned above that were still under negative pressure and isolated. AAIS workers then proceeded to modify both containments to accommodate the new scope of work. AMC representatives monitored the work and instructed AAIS during the prepping process.

Once the containments were prepped, abatement first commenced in containment one (1). Following receipt of acceptable clearance sample results, containment two (2) was then started.

Inside containment two (2), the gymnasium metal duct system feed that extended through the library was dismantled and disposed of as regulated PCB waste. Prior to removing the ductwork, polyethylene sheeting was placed over the penetrations from the back side of the wall in which the metal duct system went through. In this case the back side of the wall was on the inside of the gym. This was done to prevent potential cross contamination into the library once the duct was removed.

Following the removal of the ceiling tiles and ductwork, A.A.I.S. proceeded in final cleaning all surfaces within each containment. A.A.I.S. cleaned the metal ceiling track systems by hand, using HEPA-equipped vacuums and damp cloths saturated in a non-toxic cleaning solvent. Additionally, the exposed concrete

walls, metal roof deck, Steel I-Beams, and any other exposed surface located above the suspended ceiling were thoroughly decontaminated.

Upon successful cleaning of the work area, AMC Environmental performed a post abatement visual inspection within each of the work areas. This included the polyethylene sheeting associated with the containment, tools and equipment, and any exposed surfaces. AMC Environmental also obtained air and dust wipe samples from within the containments for clearance requirements. The results of the sampling are explained below.

SAMPLING AND RESULTS

Air Samples

Three (3) air samples were taken within each containment area. The air sampling was obtained on December 10, 2012 in the first containment which consisted of the hallway, reading room and boy's and girl's bathrooms. The second set of air samples were obtained on December 17, 2012 from containment two (2) which consisted of the main library, front office and back office.

The results of the PCB in air samples obtained from the six (6) areas documented **acceptable** levels of PCB's in the air using the 100 ng/m³ threshold recommended for children under the age of 6 years old.

Wipe Samples

PCB dust wipes were obtained from throughout both containments after the completion of the removal and cleaning process.

Two (2) sets of wipe samples were obtained after the remediation was complete. Wipe samples were obtained from various surfaces, within each containment, which included but were not limited to ceiling tile tracts, steel I-Beams, roof deck, exposed CMU and brick walls, poly-sheeting floors and walls as well as the outer surface of duct work that will remain in place. The results for the wipe samples documented results below the 1 µg/100 cm², the recommended limit for surfaces within dermal contact set forth by the EPA and the State of CT DEEP. One (1) sample, in the hallway containment, documented elevated levels of PCBs, however this sample was obtained from a poly wall that will be removed and disposed. Therefore, the PCB wipe samples obtained within the hallway and the library containments documented **acceptable** levels of PCBs on surface areas.

Dust Track (Particulate Monitoring)

Particulate air monitoring was conducted outside of the containments to ensure no breeches were present and the engineering controls were functioning properly. Pre-abatement air data was collected prior to the removal activities to provide a baseline level of indoor air particulates. This base line was used to set the action level for monitoring during the abatement process. The air particulate monitoring was conducted using a Real Time Area Aerosol Monitor (TSI DUSTTRAK Model 8530) to perform background air sampling outside the contained work area to ascertain concentrations of airborne particulate matter during the removal. The Dust Track is a direct continuous read instrument and the data was downloaded to a computer. The Dust Track was programmed to collect readings every five minutes and compute an overall daily average. Prior to remediation AMC Environmental determined the existing background concentrations (baseline levels) for comparison to readings collected during the work. The value used was twice the value of the baseline average or one-hundred and fifty (150) $\mu\text{g}/\text{m}^3$, whichever is less, as the target value that will not be exceeded.

Results of the particulate monitoring obtained both prior to and during the cleanup efforts document concentrations below the set target value of 150 $\mu\text{g}/\text{m}^3$ assigned for this project. Spikes in dust and particulate monitoring were evident on some occasions. These spikes were attributed to background traffic within the vicinity of the machine, movement of materials and objects as well as when the abatement workers went on break. The target value however was not exceeded during any of these events.

CONCLUSION

The samples obtained during the final clearance sampling inspection documented acceptable airborne and surface PCB results within the containments. Therefore, based on these results the remediation efforts were effective in returning the areas back to satisfactory conditions. All samples (both air and dust wipes) illustrate acceptable levels of PCB concentrations within the designated areas of the school. The air samples obtained in both containments were below one-hundred (100) ng/m^3 , which is the threshold for children between 2 and six years of age.

Verification wipe samples were collected from one hundred and fifty-four (154) surfaces throughout the two containments. Surfaces tested included walls, floors, ceiling tracks, steel I-beams, metal roof deck, contractor's equipment and metal duct work that are to remain in place. All samples with exception to the wipe sample obtained from the poly wall in the boy's bathroom were documented to be acceptable. All of the poly sheeting used on the project was removed and disposed of as PCB remediation waste.

Ongoing monitoring and sampling will be conducted on a quarterly basis to ensure the engineering controls throughout the school remain effective and that the indoor environment remains in compliance with federal and state recommendations and requirements.

Very truly yours,



Jason Pringle
Principal

Enclosure

Laboratory Results – PCB Air Samples

December 18, 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: 12L0323

Enclosed are results of analyses for samples received by the laboratory on December 11, 2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Lisa A. Worthington
Project Manager

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

REPORT DATE: 12/18/2012

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

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12L0323

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
12-10 AIR 01	12L0323-01	Indoor air	Boys Bath	TO-10A/EPA 680 Modified	
12-10 AIR 02	12L0323-02	Indoor air	Hall 0/S Gym	TO-10A/EPA 680 Modified	
12-10 AIR 03	12L0323-03	Indoor air	Hall Outside Reading Rm	TO-10A/EPA 680 Modified	

CASE NARRATIVE SUMMARY

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

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Michael A. Erickson
Laboratory Director

ANALYTICAL RESULTS

Project Location: Osborn Hill School

Date Received: 12/11/2012

Field Sample #: 12-10 AIR 01
Sample ID: 12L0323-01

Sample Matrix: Indoor air

Sampled: 12/10/2012 14:02

Sample Description/Location: Boys Bath

Sub Description/Location:

Work Order: 12L0323

Flow Controller ID:

Sample Type:

Air Volume L: 1225

TO-10A/EPA 680 Modified

Analyte	Total µg			ug/m3			Date/Time		
	Results	RL	Flag	Results	RL		Dilution	Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00082		1	12/17/12 18:44	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00082		1	12/17/12 18:44	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00082		1	12/17/12 18:44	CJM
Tetrachlorobiphenyls	0.034	0.0020		0.028	0.0016		1	12/17/12 18:44	CJM
Pentachlorobiphenyls	0.071	0.0020		0.058	0.0016		1	12/17/12 18:44	CJM
Hexachlorobiphenyls	0.0060	0.0020		0.0049	0.0016		1	12/17/12 18:44	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0024		1	12/17/12 18:44	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0024		1	12/17/12 18:44	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0041		1	12/17/12 18:44	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0041		1	12/17/12 18:44	CJM
Total Polychlorinated biphenyls	0.11			0.091			1	12/17/12 18:44	CJM
Surrogates			% Recovery			% REC Limits			
Tetrachloro-m-xylene			84.7			50-125			
									12/17/12 18:44

ANALYTICAL RESULTS

Project Location: Osborn Hill School

Date Received: 12/11/2012

Field Sample #: 12-10 AIR 02
Sample ID: 12L0323-02

Sample Matrix: Indoor air

Sampled: 12/10/2012 14:04

Sample Description/Location: Hall 0/S Gym

Sub Description/Location:

Work Order: 12L0323

Flow Controller ID:

Sample Type:

Air Volume L: 1225

TO-10A/EPA 680 Modified

Analyte	Total µg			ug/m3			Date/Time		
	Results	RL	Flag	Results	RL		Dilution	Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00082		1	12/17/12 19:17	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00082		1	12/17/12 19:17	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00082		1	12/17/12 19:17	CJM
Tetrachlorobiphenyls	0.014	0.0020		0.012	0.0016		1	12/17/12 19:17	CJM
Pentachlorobiphenyls	0.028	0.0020		0.023	0.0016		1	12/17/12 19:17	CJM
Hexachlorobiphenyls	0.0046	0.0020		0.0038	0.0016		1	12/17/12 19:17	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0024		1	12/17/12 19:17	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0024		1	12/17/12 19:17	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0041		1	12/17/12 19:17	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0041		1	12/17/12 19:17	CJM
Total Polychlorinated biphenyls	0.047			0.038			1	12/17/12 19:17	CJM
Surrogates		% Recovery			% REC Limits				
Tetrachloro-m-xylene		75.6			50-125				
12/17/12 19:17									

ANALYTICAL RESULTS

Project Location: Osborn Hill School

Date Received: 12/11/2012

Field Sample #: 12-10 AIR 03
Sample ID: 12L0323-03

Sample Matrix: Indoor air

Sampled: 12/10/2012 14:06

Sample Description/Location: Hall Outside Reading Rm

Sub Description/Location:

Work Order: 12L0323

Flow Controller ID:

Sample Type:

Air Volume L: 1215

TO-10A/EPA 680 Modified

Analyte	Total µg			ug/m3			Date/Time		
	Results	RL	Flag	Results	RL		Dilution	Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00082		1	12/17/12 19:51	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00082		1	12/17/12 19:51	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00082		1	12/17/12 19:51	CJM
Tetrachlorobiphenyls	0.022	0.0020		0.018	0.0016		1	12/17/12 19:51	CJM
Pentachlorobiphenyls	0.057	0.0020		0.047	0.0016		1	12/17/12 19:51	CJM
Hexachlorobiphenyls	0.010	0.0020		0.0084	0.0016		1	12/17/12 19:51	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025		1	12/17/12 19:51	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025		1	12/17/12 19:51	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0041		1	12/17/12 19:51	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0041		1	12/17/12 19:51	CJM
Total Polychlorinated biphenyls	0.089			0.073			1	12/17/12 19:51	CJM
Surrogates		% Recovery			% REC Limits				
Tetrachloro-m-xylene		83.0			50-125				
12/17/12 19:51									

Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [Cartridge]	Final [mL]	Date
12L0323-01 [12-10 AIR 01]	B064638	1.00	1.00	12/14/12
12L0323-02 [12-10 AIR 02]	B064638	1.00	1.00	12/14/12
12L0323-03 [12-10 AIR 03]	B064638	1.00	1.00	12/14/12

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

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

Batch B064638 - SW-846 3540C

Blank (B064638-BLK1)	Prepared: 12/14/12 Analyzed: 12/17/12							
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						
Total Polychlorinated biphenyls	0.0							
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.180</i>		<i>0.200</i>		<i>90.0</i>		<i>50-125</i>	
LCS (B064638-BS1)	Prepared: 12/14/12 Analyzed: 12/17/12							
Monochlorobiphenyls	0.20	0.0010		0.200	97.6	40-140		
Dichlorobiphenyls	0.20	0.0010		0.200	102	40-140		
Trichlorobiphenyls	0.22	0.0010		0.200	111	40-140		
Tetrachlorobiphenyls	0.48	0.0020		0.400	121	40-140		
Pentachlorobiphenyls	0.48	0.0020		0.400	119	40-140		
Hexachlorobiphenyls	0.43	0.0020		0.400	109	40-140		
Heptachlorobiphenyls	0.65	0.0030		0.600	109	40-140		
Octachlorobiphenyls	0.68	0.0030		0.600	113	40-140		
Nonachlorobiphenyls	1.1	0.0050		1.00	106	40-140		
Decachlorobiphenyl	0.92	0.0050		1.00	91.9	40-140		
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.215</i>		<i>0.200</i>		<i>107</i>		<i>50-125</i>	
LCS Dup (B064638-BSD1)	Prepared: 12/14/12 Analyzed: 12/17/12							
Monochlorobiphenyls	0.19	0.0010		0.200	93.6	40-140	4.26	50
Dichlorobiphenyls	0.20	0.0010		0.200	98.7	40-140	3.74	50
Trichlorobiphenyls	0.21	0.0010		0.200	104	40-140	6.18	50
Tetrachlorobiphenyls	0.44	0.0020		0.400	111	40-140	8.97	50
Pentachlorobiphenyls	0.44	0.0020		0.400	111	40-140	7.19	50
Hexachlorobiphenyls	0.40	0.0020		0.400	101	40-140	7.39	50
Heptachlorobiphenyls	0.61	0.0030		0.600	102	40-140	7.02	50
Octachlorobiphenyls	0.63	0.0030		0.600	105	40-140	7.41	50
Nonachlorobiphenyls	1.0	0.0050		1.00	99.8	40-140	6.51	50
Decachlorobiphenyl	0.87	0.0050		1.00	86.6	40-140	5.93	50
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.189</i>		<i>0.200</i>		<i>94.7</i>		<i>50-125</i>	

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

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

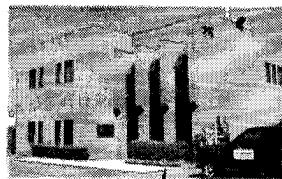
Analyte	Certifications
TO-10A/EPA 680 Modified in Air	

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 Public Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2013
NH-S	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	460217	12/14/2013
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2012

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2323
F: 413-525-6405
www.contestlabs.com



Sample Receipt Checklist

CLIENT NAME: AMC

RECEIVED BY: V/A

DATE: 12/11

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 7.2

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 _____

10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No N/A

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		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	<u>3</u>
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 _____ Time and Date Frozen: _____

Doc# 277: # Bisulfate _____ # DI Water _____

Rev. 3 May 2012: # Thiosulfate _____ Unpreserved _____

December 24, 2012

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

Project Location: Osborn Hill School Library

Client Job Number:

Project Number: [none]

Laboratory Work Order Number: 12L0592

Enclosed are results of analyses for samples received by the laboratory on December 18, 2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Lisa A. Worthington
Project Manager

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

REPORT DATE: 12/24/2012

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

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12L0592

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 Library

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
12-17 AIR 01	12L0592-01	Indoor air	Rm behind Ref. Desk - back office	TO-10A/EPA 680 Modified	
12-17 AIR 02	12L0592-02	Indoor air	Library at wall adj to gym	TO-10A/EPA 680 Modified	
12-17 AIR 03	12L0592-03	Indoor air	Library at wall adj to comp. rm	TO-10A/EPA 680 Modified	

CASE NARRATIVE SUMMARY

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

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Daren J. Damboragian
Laboratory Manager

ANALYTICAL RESULTS

Project Location: Osborn Hill School Library

Date Received: 12/18/2012

Field Sample #: 12-17 AIR 01
Sample ID: 12L0592-01

Sample Matrix: Indoor air

Sampled: 12/17/2012 15:23

Sample Description/Location: Rm behind Ref. Desk - back office

Sub Description/Location:

Work Order: 12L0592

Flow Controller ID:

Sample Type:

Air Volume L: 1800

TO-10A/EPA 680 Modified

Analyte	Total µg			ug/m3			Date/Time		
	Results	RL	Flag	Results	RL	Dilution	Analyzed	Analyst	
Monochlorobiphenyls	ND	0.0010		ND	0.00056	1	12/20/12 12:39	CJM	
Dichlorobiphenyls	ND	0.0010		ND	0.00056	1	12/20/12 12:39	CJM	
Trichlorobiphenyls	ND	0.0010		ND	0.00056	1	12/20/12 12:39	CJM	
Tetrachlorobiphenyls	0.026	0.0020		0.015	0.0011	1	12/20/12 12:39	CJM	
Pentachlorobiphenyls	0.051	0.0020		0.028	0.0011	1	12/20/12 12:39	CJM	
Hexachlorobiphenyls	0.0085	0.0020		0.0047	0.0011	1	12/20/12 12:39	CJM	
Heptachlorobiphenyls	ND	0.0030		ND	0.0017	1	12/20/12 12:39	CJM	
Octachlorobiphenyls	ND	0.0030		ND	0.0017	1	12/20/12 12:39	CJM	
Nonachlorobiphenyls	ND	0.0050		ND	0.0028	1	12/20/12 12:39	CJM	
Decachlorobiphenyl	ND	0.0050		ND	0.0028	1	12/20/12 12:39	CJM	
Total Polychlorinated biphenyls	0.085			0.047		1	12/20/12 12:39	CJM	

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	69.8	50-125	12/20/12 12:39

ANALYTICAL RESULTS

Project Location: Osborn Hill School Library

Date Received: 12/18/2012

Field Sample #: 12-17 AIR 02
Sample ID: 12L0592-02

Sample Matrix: Indoor air

Sampled: 12/17/2012 15:24

Sample Description/Location: Library at wall adj to gym

Sub Description/Location:

Work Order: 12L0592

Flow Controller ID:

Sample Type:

Air Volume L: 1800

TO-10A/EPA 680 Modified

Analyte	Total µg			ug/m3			Date/Time		
	Results	RL	Flag	Results	RL	Dilution	Analyzed	Analyst	
Monochlorobiphenyls	ND	0.0010		ND	0.00056	1	12/20/12 13:13	CJM	
Dichlorobiphenyls	ND	0.0010		ND	0.00056	1	12/20/12 13:13	CJM	
Trichlorobiphenyls	ND	0.0010		ND	0.00056	1	12/20/12 13:13	CJM	
Tetrachlorobiphenyls	0.028	0.0020		0.016	0.0011	1	12/20/12 13:13	CJM	
Pentachlorobiphenyls	0.064	0.0020		0.035	0.0011	1	12/20/12 13:13	CJM	
Hexachlorobiphenyls	0.0073	0.0020		0.004	0.0011	1	12/20/12 13:13	CJM	
Heptachlorobiphenyls	ND	0.0030		ND	0.0017	1	12/20/12 13:13	CJM	
Octachlorobiphenyls	ND	0.0030		ND	0.0017	1	12/20/12 13:13	CJM	
Nonachlorobiphenyls	ND	0.0050		ND	0.0028	1	12/20/12 13:13	CJM	
Decachlorobiphenyl	ND	0.0050		ND	0.0028	1	12/20/12 13:13	CJM	
Total Polychlorinated biphenyls	0.099			0.055		1	12/20/12 13:13	CJM	

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	71.8	50-125	12/20/12 13:13

ANALYTICAL RESULTS

Project Location: Osborn Hill School Library

Date Received: 12/18/2012

Field Sample #: 12-17 AIR 03
Sample ID: 12L0592-03

Sample Matrix: Indoor air

Sampled: 12/17/2012 15:25

Sample Description/Location: Library at wall adj to comp. rm

Sub Description/Location:

Work Order: 12L0592

Flow Controller ID:

Sample Type:

Air Volume L: 1800

TO-10A/EPA 680 Modified

Analyte	Total µg			ug/m3			Date/Time		
	Results	RL	Flag	Results	RL	Dilution	Analyzed	Analyst	
Monochlorobiphenyls	ND	0.0010		ND	0.00056	1	12/20/12 13:47	CJM	
Dichlorobiphenyls	ND	0.0010		ND	0.00056	1	12/20/12 13:47	CJM	
Trichlorobiphenyls	ND	0.0010		ND	0.00056	1	12/20/12 13:47	CJM	
Tetrachlorobiphenyls	0.035	0.0020		0.020	0.0011	1	12/20/12 13:47	CJM	
Pentachlorobiphenyls	0.076	0.0020		0.042	0.0011	1	12/20/12 13:47	CJM	
Hexachlorobiphenyls	0.010	0.0020		0.0056	0.0011	1	12/20/12 13:47	CJM	
Heptachlorobiphenyls	ND	0.0030		ND	0.0017	1	12/20/12 13:47	CJM	
Octachlorobiphenyls	ND	0.0030		ND	0.0017	1	12/20/12 13:47	CJM	
Nonachlorobiphenyls	ND	0.0050		ND	0.0028	1	12/20/12 13:47	CJM	
Decachlorobiphenyl	ND	0.0050		ND	0.0028	1	12/20/12 13:47	CJM	
Total Polychlorinated biphenyls	0.12			0.068		1	12/20/12 13:47	CJM	

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	79.5	50-125	12/20/12 13:47

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

Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [Cartridge]	Final [mL]	Date
12L0592-01 [12-17 AIR 01]	B064975	1.00	1.00	12/19/12
12L0592-02 [12-17 AIR 02]	B064975	1.00	1.00	12/19/12
12L0592-03 [12-17 AIR 03]	B064975	1.00	1.00	12/19/12

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

Analyte	Total µg Results	ug/m3 RL	Spike Level Results	Source Total µg	%REC Result	%REC Limits	RPD RPD	RPD Limit	Flag
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Batch B064975 - SW-846 3540C
Blank (B064975-BLK1)

Prepared: 12/19/12 Analyzed: 12/20/12

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
Total Polychlorinated biphenyls	0.0	

Surrogate: Tetrachloro-m-xylene	0.151	0.200	75.5	50-125
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LCS (B064975-BS1)

Prepared: 12/19/12 Analyzed: 12/20/12

Monochlorobiphenyls	0.16	0.0010	0.200	79.5	40-140
Dichlorobiphenyls	0.17	0.0010	0.200	83.7	40-140
Trichlorobiphenyls	0.18	0.0010	0.200	89.5	40-140
Tetrachlorobiphenyls	0.39	0.0020	0.400	96.6	40-140
Pentachlorobiphenyls	0.37	0.0020	0.400	93.7	40-140
Hexachlorobiphenyls	0.34	0.0020	0.400	85.9	40-140
Heptachlorobiphenyls	0.52	0.0030	0.600	86.8	40-140
Octachlorobiphenyls	0.54	0.0030	0.600	90.2	40-140
Nonachlorobiphenyls	0.87	0.0050	1.00	86.5	40-140
Decachlorobiphenyl	0.73	0.0050	1.00	73.4	40-140

Surrogate: Tetrachloro-m-xylene	0.160	0.200	79.9	50-125
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LCS Dup (B064975-BSD1)

Prepared: 12/19/12 Analyzed: 12/20/12

Monochlorobiphenyls	0.16	0.0010	0.200	77.5	40-140	2.57	50
Dichlorobiphenyls	0.16	0.0010	0.200	82.0	40-140	2.01	50
Trichlorobiphenyls	0.18	0.0010	0.200	89.2	40-140	0.359	50
Tetrachlorobiphenyls	0.38	0.0020	0.400	94.4	40-140	2.27	50
Pentachlorobiphenyls	0.38	0.0020	0.400	94.9	40-140	1.31	50
Hexachlorobiphenyls	0.35	0.0020	0.400	86.6	40-140	0.924	50
Heptachlorobiphenyls	0.52	0.0030	0.600	85.9	40-140	1.04	50
Octachlorobiphenyls	0.54	0.0030	0.600	89.4	40-140	0.814	50
Nonachlorobiphenyls	0.87	0.0050	1.00	86.6	40-140	0.149	50
Decachlorobiphenyl	0.75	0.0050	1.00	75.3	40-140	2.67	50

Surrogate: Tetrachloro-m-xylene	0.167	0.200	83.4	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.



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

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 Public Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2013
NH-S	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	460217	12/14/2013
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2012



Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

AIR SAMPLE CHAIN OF CUSTODY RECORD

39 SPRUCE ST
EAST LONGMEADOW, MA 01028

Page ____ of ____

www.contestlabs.com

Telephone: () _____

Company Name: Am Env.
Address: 1022 Charter Ave

Attention: B. Department, CT
Project # _____

Project Location: Orborn Hill Library
Sampled By: S. Prede

Proposal Provided? (For Billing purposes)
 Yes proposal date _____
 No _____

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT
 Fax #: _____
 Email: _____
 Format: EXCEL PDF GIS KEY OTHER _____

Date Sampled	ONLY USE WHEN USING PUMPS									
	Start	Stop	Total	Flow Rate	Volume	Matrix Code*				
			Minutes	M³/Min. or L / Min.	Liters or M³					
12-17-17	1pm behind Rec. Desk - Back office - Library C wall adj to Gym	01	923	323	240	5	1800	JA	X	
12-17	Library C wall adj to Gym	02	924	324	240	5	1800	JA	X	
12-17	Library C wall adj to Gym	03	925	325	240	5	1800	JA	X	

"Hg

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

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

Laboratory Comments:

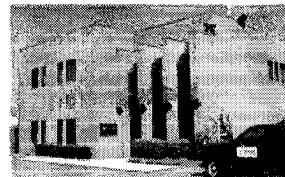
CLIENT COMMENTS:

Relinquished by: (signature) <i>John R. Prede</i>	Date/Time: <u>12-18-17</u> <u>11:10</u>	Turnaround **	Special Requirements	
Received by: (signature) <i>John R. Prede</i>	Date/Time: <u>12-18-17</u> <u>11:10</u>	<input checked="" type="checkbox"/> 5-7 Day	Regulations:	
Relinquished by: (signature) <i>John R. Prede</i>	Date/Time: <u>12-18-17</u> <u>11:10</u>	<input type="checkbox"/> 10-Day	Data Enhancement/RCP? <input type="checkbox"/> Y <input type="checkbox"/> N	
Received by: (signature) <i>John R. Prede</i>	Date/Time: <u>12-18-17</u> <u>11:10</u>	<input type="checkbox"/> Other _____	Enhanced Data Package <input type="checkbox"/> Y <input type="checkbox"/> N	
		RUSH*	(Surcharge Applies)	
			Required Detection Limits:	
			Other:	

*Approval Required

** 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.

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



Sample Receipt Checklist

CLIENT NAME: AMC

RECEIVED BY: KKM

DATE: 12/18/12

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 3.9

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

10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No N/A

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		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	<u>3</u>
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 _____

Time and Date Frozen:

Doc# 277

Bisulfate _____ # DI Water _____

Rev. 3 May 2012

Thiosulfate _____ Unpreserved

Laboratory Results – PCB Wipe Samples

December 19, 2012

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

Project Location: Osborn Hill Baths
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 12L0317

Enclosed are results of analyses for samples received by the laboratory on December 11, 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:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12L0317

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 Baths

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
12-10 PCB49	12L0317-01	Wipe	Boys Ceiling Track	SW-846 8082A	
12-10 PCB50	12L0317-02	Wipe	Girls Ceiling Track	SW-846 8082A	
12-10 PCB51	12L0317-03	Wipe	Boys Stud	SW-846 8082A	
12-10 PCB52	12L0317-04	Wipe	Girls Stud	SW-846 8082A	
12-10 PCB53	12L0317-05	Wipe	Steal I-beam	SW-846 8082A	
12-10 PCB54	12L0317-06	Wipe	Steal I-beam	SW-846 8082A	
12-10 PCB55	12L0317-07	Wipe	Root Deck	SW-846 8082A	
12-10 PCB56	12L0317-08	Wipe	Root Deck	SW-846 8082A	
12-10 PCB57	12L0317-09	Wipe	Outside at duct	SW-846 8082A	
12-10 PCB58	12L0317-10	Wipe	Outside at duct	SW-846 8082A	
12-10 PCB59	12L0317-11	Wipe	CMU Wall	SW-846 8082A	
12-10 PCB60	12L0317-12	Wipe	CMU Wall	SW-846 8082A	
12-10 PCB61	12L0317-13	Wipe	SR Wall	SW-846 8082A	
12-10 PCB62	12L0317-14	Wipe	SR Wall	SW-846 8082A	
12-10 PCB63	12L0317-15	Wipe	Poly wall	SW-846 8082A	
12-10 PCB64	12L0317-16	Wipe	Poly Wall	SW-846 8082A	
12-10 PCB65	12L0317-17	Wipe	Poly Floor	SW-846 8082A	
12-10 PCB66	12L0317-18	Wipe	Poly Floor	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:

Surrogate recovery is outside of control limits. Data validation is not affected since all results are less than the reporting limit and bias is on the high side.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl [2C]

12L0317-09[12-10 PCB57]

Surrogate recovery is outside of control limits. Sample media does not allow for re-extraction.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl [2C], Tetrachloro-m-xylene, Tetrachloro-m-xylene [2C]

12L0317-01[12-10 PCB49], 12L0317-10[12-10 PCB58]

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

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

Project Location: Osborn Hill Baths

Sample Description: Boys Ceiling Track

Work Order: 12L0317

Date Received: 12/11/2012

Sampled: 12/10/2012 00:00

Field Sample #: 12-10 PCB49

Sample ID: 12L0317-01

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	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 22:28	MJC
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 22:28	MJC
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 22:28	MJC
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 22:28	MJC
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 22:28	MJC
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 22:28	MJC
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 22:28	MJC
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 22:28	MJC
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 22:28	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	33.3	30-150					12/14/12 22:28		
Decachlorobiphenyl [2]	*	30-150		S-20			12/14/12 22:28		
Tetrachloro-m-xylene [1]	20.4	*	30-150	S-20			12/14/12 22:28		
Tetrachloro-m-xylene [2]	21.6	*	30-150	S-20			12/14/12 22:28		

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

Project Location: Osborn Hill Baths

Sample Description: Girls Ceiling Track

Work Order: 12L0317

Date Received: 12/11/2012

Sampled: 12/10/2012 00:00

Field Sample #: 12-10 PCB50

Sample ID: 12L0317-02

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	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 22:41	MJC
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 22:41	MJC
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 22:41	MJC
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 22:41	MJC
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 22:41	MJC
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 22:41	MJC
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 22:41	MJC
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 22:41	MJC
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 22:41	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	99.9	30-150							12/14/12 22:41
Decachlorobiphenyl [2]	46.0	30-150							12/14/12 22:41
Tetrachloro-m-xylene [1]	85.4	30-150							12/14/12 22:41
Tetrachloro-m-xylene [2]	91.3	30-150							12/14/12 22:41

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

Project Location: Osborn Hill Baths

Sample Description: Boys Stud

Work Order: 12L0317

Date Received: 12/11/2012

Sampled: 12/10/2012 00:00

Field Sample #: 12-10 PCB51

Sample ID: 12L0317-03

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	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 22:54	MJC
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 22:54	MJC
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 22:54	MJC
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 22:54	MJC
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 22:54	MJC
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 22:54	MJC
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 22:54	MJC
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 22:54	MJC
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 22:54	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	115	30-150							12/14/12 22:54
Decachlorobiphenyl [2]	40.7	30-150							12/14/12 22:54
Tetrachloro-m-xylene [1]	88.2	30-150							12/14/12 22:54
Tetrachloro-m-xylene [2]	93.6	30-150							12/14/12 22:54

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

Project Location: Osborn Hill Baths

Sample Description: Girls Stud

Work Order: 12L0317

Date Received: 12/11/2012

Sampled: 12/10/2012 00:00

Field Sample #: 12-10 PCB52

Sample ID: 12L0317-04

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	12/12/12	12/14/12 23:07	MJC
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 23:07	MJC
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 23:07	MJC
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 23:07	MJC
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 23:07	MJC
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 23:07	MJC
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 23:07	MJC
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 23:07	MJC
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 23:07	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	116	30-150							12/14/12 23:07
Decachlorobiphenyl [2]	52.8	30-150							12/14/12 23:07
Tetrachloro-m-xylene [1]	85.0	30-150							12/14/12 23:07
Tetrachloro-m-xylene [2]	90.5	30-150							12/14/12 23:07

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

Project Location: Osborn Hill Baths

Sample Description: Steel I-beam

Work Order: 12L0317

Date Received: 12/11/2012

Sampled: 12/10/2012 00:00

Field Sample #: 12-10 PCB53

Sample ID: 12L0317-05

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	12/12/12	12/14/12 23:20	MJC
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 23:20	MJC
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 23:20	MJC
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 23:20	MJC
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 23:20	MJC
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 23:20	MJC
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 23:20	MJC
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 23:20	MJC
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 23:20	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	95.8	30-150						12/14/12 23:20	
Decachlorobiphenyl [2]	94.7	30-150						12/14/12 23:20	
Tetrachloro-m-xylene [1]	74.5	30-150						12/14/12 23:20	
Tetrachloro-m-xylene [2]	79.2	30-150						12/14/12 23:20	

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

Project Location: Osborn Hill Baths

Sample Description: Steel I-beam

Work Order: 12L0317

Date Received: 12/11/2012

Sampled: 12/10/2012 00:00

Field Sample #: 12-10 PCB54

Sample ID: 12L0317-06

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	12/12/12	12/14/12 23:32	MJC
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 23:32	MJC
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 23:32	MJC
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 23:32	MJC
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 23:32	MJC
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 23:32	MJC
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 23:32	MJC
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 23:32	MJC
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 23:32	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	96.4	30-150						12/14/12 23:32	
Decachlorobiphenyl [2]	81.2	30-150						12/14/12 23:32	
Tetrachloro-m-xylene [1]	77.0	30-150						12/14/12 23:32	
Tetrachloro-m-xylene [2]	82.1	30-150						12/14/12 23:32	

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

Project Location: Osborn Hill Baths

Sample Description: Root Deck

Work Order: 12L0317

Date Received: 12/11/2012

Sampled: 12/10/2012 00:00

Field Sample #: 12-10 PCB55

Sample ID: 12L0317-07

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	12/12/12	12/14/12 23:45	MJC
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 23:45	MJC
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 23:45	MJC
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 23:45	MJC
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 23:45	MJC
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 23:45	MJC
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 23:45	MJC
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 23:45	MJC
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 23:45	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	105	30-150							12/14/12 23:45
Decachlorobiphenyl [2]	78.4	30-150							12/14/12 23:45
Tetrachloro-m-xylene [1]	84.3	30-150							12/14/12 23:45
Tetrachloro-m-xylene [2]	90.6	30-150							12/14/12 23:45

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

Project Location: Osborn Hill Baths

Sample Description: Root Deck

Work Order: 12L0317

Date Received: 12/11/2012

Sampled: 12/10/2012 00:00

Field Sample #: 12-10 PCB56

Sample ID: 12L0317-08

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	12/12/12	12/14/12 23:58	MJC
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 23:58	MJC
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 23:58	MJC
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 23:58	MJC
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 23:58	MJC
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 23:58	MJC
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 23:58	MJC
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 23:58	MJC
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 23:58	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	97.7	30-150						12/14/12 23:58	
Decachlorobiphenyl [2]	149	30-150						12/14/12 23:58	
Tetrachloro-m-xylene [1]	81.1	30-150						12/14/12 23:58	
Tetrachloro-m-xylene [2]	86.7	30-150						12/14/12 23:58	

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

Project Location: Osborn Hill Baths

Sample Description: Outside at duct

Work Order: 12L0317

Date Received: 12/11/2012

Sampled: 12/10/2012 00:00

Field Sample #: 12-10 PCB57

Sample ID: 12L0317-09

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	12/12/12	12/15/12 0:11	MJC
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/15/12 0:11	MJC
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/15/12 0:11	MJC
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/15/12 0:11	MJC
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/15/12 0:11	MJC
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/15/12 0:11	MJC
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/15/12 0:11	MJC
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/15/12 0:11	MJC
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/15/12 0:11	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	92.8	30-150							12/15/12 0:11
Decachlorobiphenyl [2]	165 *	30-150		S-17					12/15/12 0:11
Tetrachloro-m-xylene [1]	71.9	30-150							12/15/12 0:11
Tetrachloro-m-xylene [2]	76.4	30-150							12/15/12 0:11

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

Project Location: Osborn Hill Baths

Sample Description: Outside at duct

Work Order: 12L0317

Date Received: 12/11/2012

Sampled: 12/10/2012 00:00

Field Sample #: 12-10 PCB58

Sample ID: 12L0317-10

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	12/12/12	12/15/12 0:24	MJC
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/15/12 0:24	MJC
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/15/12 0:24	MJC
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/15/12 0:24	MJC
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/15/12 0:24	MJC
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/15/12 0:24	MJC
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/15/12 0:24	MJC
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/15/12 0:24	MJC
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/15/12 0:24	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	125	*	30-150					12/15/12 0:24	
Decachlorobiphenyl [2]		*	30-150		S-20			12/15/12 0:24	
Tetrachloro-m-xylene [1]	82.7		30-150					12/15/12 0:24	
Tetrachloro-m-xylene [2]	88.0		30-150					12/15/12 0:24	

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

Project Location: Osborn Hill Baths

Sample Description: CMU Wall

Work Order: 12L0317

Date Received: 12/11/2012

Sampled: 12/10/2012 00:00

Field Sample #: 12-10 PCB59

Sample ID: 12L0317-11

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	12/12/12	12/14/12 14:06	MJC
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 14:06	MJC
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 14:06	MJC
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 14:06	MJC
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 14:06	MJC
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 14:06	MJC
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 14:06	MJC
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 14:06	MJC
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 14:06	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	96.4	30-150						12/14/12 14:06	
Decachlorobiphenyl [2]	84.5	30-150						12/14/12 14:06	
Tetrachloro-m-xylene [1]	76.9	30-150						12/14/12 14:06	
Tetrachloro-m-xylene [2]	82.2	30-150						12/14/12 14:06	

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

Project Location: Osborn Hill Baths

Sample Description: CMU Wall

Work Order: 12L0317

Date Received: 12/11/2012

Sampled: 12/10/2012 00:00

Field Sample #: 12-10 PCB60

Sample ID: 12L0317-12

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	12/12/12	12/14/12 14:19	MJC
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 14:19	MJC
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 14:19	MJC
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 14:19	MJC
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 14:19	MJC
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 14:19	MJC
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 14:19	MJC
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 14:19	MJC
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 14:19	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	99.2	30-150						12/14/12 14:19	
Decachlorobiphenyl [2]	89.7	30-150						12/14/12 14:19	
Tetrachloro-m-xylene [1]	86.3	30-150						12/14/12 14:19	
Tetrachloro-m-xylene [2]	92.6	30-150						12/14/12 14:19	

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

Project Location: Osborn Hill Baths

Sample Description: SR Wall

Work Order: 12L0317

Date Received: 12/11/2012

Sampled: 12/10/2012 00:00

Field Sample #: 12-10 PCB61

Sample ID: 12L0317-13

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	12/12/12	12/14/12 14:32	MJC
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 14:32	MJC
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 14:32	MJC
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 14:32	MJC
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 14:32	MJC
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 14:32	MJC
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 14:32	MJC
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 14:32	MJC
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 14:32	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	117	30-150							12/14/12 14:32
Decachlorobiphenyl [2]	95.3	30-150							12/14/12 14:32
Tetrachloro-m-xylene [1]	84.3	30-150							12/14/12 14:32
Tetrachloro-m-xylene [2]	90.3	30-150							12/14/12 14:32

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

Project Location: Osborn Hill Baths

Sample Description: SR Wall

Work Order: 12L0317

Date Received: 12/11/2012

Sampled: 12/10/2012 00:00

Field Sample #: 12-10 PCB62

Sample ID: 12L0317-14

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	12/12/12	12/14/12 14:45	MJC
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 14:45	MJC
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 14:45	MJC
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 14:45	MJC
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 14:45	MJC
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 14:45	MJC
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 14:45	MJC
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 14:45	MJC
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 14:45	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	99.0	30-150						12/14/12 14:45	
Decachlorobiphenyl [2]	84.7	30-150						12/14/12 14:45	
Tetrachloro-m-xylene [1]	80.4	30-150						12/14/12 14:45	
Tetrachloro-m-xylene [2]	86.0	30-150						12/14/12 14:45	

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

Project Location: Osborn Hill Baths

Sample Description: Poly wall

Work Order: 12L0317

Date Received: 12/11/2012

Sampled: 12/10/2012 00:00

Field Sample #: 12-10 PCB63

Sample ID: 12L0317-15

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	0.80	µg/Wipe	4		SW-846 8082A	12/12/12	12/15/12 11:43	MJC
Aroclor-1221 [1]	ND	0.80	µg/Wipe	4		SW-846 8082A	12/12/12	12/15/12 11:43	MJC
Aroclor-1232 [1]	ND	0.80	µg/Wipe	4		SW-846 8082A	12/12/12	12/15/12 11:43	MJC
Aroclor-1242 [1]	ND	0.80	µg/Wipe	4		SW-846 8082A	12/12/12	12/15/12 11:43	MJC
Aroclor-1248 [1]	ND	0.80	µg/Wipe	4		SW-846 8082A	12/12/12	12/15/12 11:43	MJC
Aroclor-1254 [1]	5.0	0.80	µg/Wipe	4		SW-846 8082A	12/12/12	12/15/12 11:43	MJC
Aroclor-1260 [1]	ND	0.80	µg/Wipe	4		SW-846 8082A	12/12/12	12/15/12 11:43	MJC
Aroclor-1262 [1]	ND	0.80	µg/Wipe	4		SW-846 8082A	12/12/12	12/15/12 11:43	MJC
Aroclor-1268 [1]	ND	0.80	µg/Wipe	4		SW-846 8082A	12/12/12	12/15/12 11:43	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	112	30-150							12/15/12 11:43
Decachlorobiphenyl [2]	100	30-150							12/15/12 11:43
Tetrachloro-m-xylene [1]	99.5	30-150							12/15/12 11:43
Tetrachloro-m-xylene [2]	105	30-150							12/15/12 11:43

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

Project Location: Osborn Hill Baths

Sample Description: Poly Wall

Work Order: 12L0317

Date Received: 12/11/2012

Sampled: 12/10/2012 00:00

Field Sample #: 12-10 PCB64

Sample ID: 12L0317-16

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	12/12/12	12/14/12 15:11	MJC
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 15:11	MJC
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 15:11	MJC
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 15:11	MJC
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 15:11	MJC
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 15:11	MJC
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 15:11	MJC
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 15:11	MJC
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 15:11	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	100	30-150							12/14/12 15:11
Decachlorobiphenyl [2]	87.7	30-150							12/14/12 15:11
Tetrachloro-m-xylene [1]	82.0	30-150							12/14/12 15:11
Tetrachloro-m-xylene [2]	87.7	30-150							12/14/12 15:11

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

Project Location: Osborn Hill Baths

Sample Description: Poly Floor

Work Order: 12L0317

Date Received: 12/11/2012

Sampled: 12/10/2012 00:00

Field Sample #: 12-10 PCB65

Sample ID: 12L0317-17

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	12/12/12	12/14/12 15:24	MJC
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 15:24	MJC
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 15:24	MJC
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 15:24	MJC
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 15:24	MJC
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 15:24	MJC
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 15:24	MJC
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 15:24	MJC
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 15:24	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	110	30-150							12/14/12 15:24
Decachlorobiphenyl [2]	78.9	30-150							12/14/12 15:24
Tetrachloro-m-xylene [1]	72.1	30-150							12/14/12 15:24
Tetrachloro-m-xylene [2]	76.5	30-150							12/14/12 15:24

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

Project Location: Osborn Hill Baths

Sample Description: Poly Floor

Work Order: 12L0317

Date Received: 12/11/2012

Sampled: 12/10/2012 00:00

Field Sample #: 12-10 PCB66

Sample ID: 12L0317-18

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	12/12/12	12/14/12 15:37	MJC
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 15:37	MJC
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 15:37	MJC
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 15:37	MJC
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 15:37	MJC
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 15:37	MJC
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 15:37	MJC
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 15:37	MJC
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/12/12	12/14/12 15:37	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	103	30-150							12/14/12 15:37
Decachlorobiphenyl [2]	112	30-150							12/14/12 15:37
Tetrachloro-m-xylene [1]	84.6	30-150							12/14/12 15:37
Tetrachloro-m-xylene [2]	90.3	30-150							12/14/12 15:37

Sample Extraction Data
Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
12L0317-01 [12-10 PCB49]	B064506	1.00	10.0	12/12/12
12L0317-02 [12-10 PCB50]	B064506	1.00	10.0	12/12/12
12L0317-03 [12-10 PCB51]	B064506	1.00	10.0	12/12/12
12L0317-04 [12-10 PCB52]	B064506	1.00	10.0	12/12/12
12L0317-05 [12-10 PCB53]	B064506	1.00	10.0	12/12/12
12L0317-06 [12-10 PCB54]	B064506	1.00	10.0	12/12/12
12L0317-07 [12-10 PCB55]	B064506	1.00	10.0	12/12/12
12L0317-08 [12-10 PCB56]	B064506	1.00	10.0	12/12/12
12L0317-09 [12-10 PCB57]	B064506	1.00	10.0	12/12/12
12L0317-10 [12-10 PCB58]	B064506	1.00	10.0	12/12/12

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

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
12L0317-11 [12-10 PCB59]	B064516	1.00	10.0	12/12/12
12L0317-12 [12-10 PCB60]	B064516	1.00	10.0	12/12/12
12L0317-13 [12-10 PCB61]	B064516	1.00	10.0	12/12/12
12L0317-14 [12-10 PCB62]	B064516	1.00	10.0	12/12/12
12L0317-15 [12-10 PCB63]	B064516	1.00	10.0	12/12/12
12L0317-16 [12-10 PCB64]	B064516	1.00	10.0	12/12/12
12L0317-17 [12-10 PCB65]	B064516	1.00	10.0	12/12/12
12L0317-18 [12-10 PCB66]	B064516	1.00	10.0	12/12/12

QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch B064506 - SW-846 3540C

Blank (B064506-BLK1)										Prepared: 12/12/12 Analyzed: 12/14/12
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	2.03		µg/Wipe	2.00		102		30-150		
Surrogate: Decachlorobiphenyl [2C]	1.24		µg/Wipe	2.00		62.0		30-150		
Surrogate: Tetrachloro-m-xylene	1.87		µg/Wipe	2.00		93.5		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	1.98		µg/Wipe	2.00		99.2		30-150		

LCS (B064506-BS1)										Prepared: 12/12/12 Analyzed: 12/14/12
Aroclor-1016	0.54	0.20	µg/Wipe	0.500		108		40-140		
Aroclor-1016 [2C]	0.46	0.20	µg/Wipe	0.500		92.3		40-140		
Aroclor-1260	0.56	0.20	µg/Wipe	0.500		113		40-140		
Aroclor-1260 [2C]	0.49	0.20	µg/Wipe	0.500		97.1		40-140		
Surrogate: Decachlorobiphenyl	2.06		µg/Wipe	2.00		103		30-150		
Surrogate: Decachlorobiphenyl [2C]	1.19		µg/Wipe	2.00		59.6		30-150		
Surrogate: Tetrachloro-m-xylene	1.87		µg/Wipe	2.00		93.6		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	1.98		µg/Wipe	2.00		98.8		30-150		

LCS Dup (B064506-BSD1)										Prepared: 12/12/12 Analyzed: 12/14/12
Aroclor-1016	0.49	0.20	µg/Wipe	0.500		98.5		40-140	8.92	30
Aroclor-1016 [2C]	0.44	0.20	µg/Wipe	0.500		88.3		40-140	4.37	30
Aroclor-1260	0.55	0.20	µg/Wipe	0.500		109		40-140	2.98	30
Aroclor-1260 [2C]	0.44	0.20	µg/Wipe	0.500		87.2		40-140	10.7	30
Surrogate: Decachlorobiphenyl	2.08		µg/Wipe	2.00		104		30-150		
Surrogate: Decachlorobiphenyl [2C]	1.29		µg/Wipe	2.00		64.3		30-150		
Surrogate: Tetrachloro-m-xylene	1.63		µg/Wipe	2.00		81.3		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	1.72		µg/Wipe	2.00		86.0		30-150		

QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch B064516 - SW-846 3540C

Blank (B064516-BLK1)					Prepared: 12/12/12 Analyzed: 12/14/12					
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	2.14		µg/Wipe	2.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.77		µg/Wipe	2.00		88.4	30-150			
Surrogate: Tetrachloro-m-xylene	1.68		µg/Wipe	2.00		83.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.78		µg/Wipe	2.00		88.8	30-150			

LCS (B064516-BS1)					Prepared: 12/12/12 Analyzed: 12/14/12					
Aroclor-1016	0.51	0.20	µg/Wipe	0.500		101	40-140			
Aroclor-1016 [2C]	0.53	0.20	µg/Wipe	0.500		106	40-140			
Aroclor-1260	0.56	0.20	µg/Wipe	0.500		113	40-140			
Aroclor-1260 [2C]	0.55	0.20	µg/Wipe	0.500		109	40-140			
Surrogate: Decachlorobiphenyl	2.06		µg/Wipe	2.00		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.78		µg/Wipe	2.00		89.1	30-150			
Surrogate: Tetrachloro-m-xylene	1.68		µg/Wipe	2.00		84.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.78		µg/Wipe	2.00		88.9	30-150			

LCS Dup (B064516-BSD1)					Prepared: 12/12/12 Analyzed: 12/14/12					
Aroclor-1016	0.51	0.20	µg/Wipe	0.500		103	40-140	1.18	30	
Aroclor-1016 [2C]	0.53	0.20	µg/Wipe	0.500		106	40-140	0.721	30	
Aroclor-1260	0.51	0.20	µg/Wipe	0.500		103	40-140	9.55	30	
Aroclor-1260 [2C]	0.56	0.20	µg/Wipe	0.500		113	40-140	3.06	30	
Surrogate: Decachlorobiphenyl	2.01		µg/Wipe	2.00		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.73		µg/Wipe	2.00		86.6	30-150			
Surrogate: Tetrachloro-m-xylene	1.61		µg/Wipe	2.00		80.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.70		µg/Wipe	2.00		85.2	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-17 Surrogate recovery is outside of control limits. Data validation is not affected since all results are less than the reporting limit and bias is on the high side.
- S-20 Surrogate recovery is outside of control limits. Sample media does not allow for re-extraction.

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 Public Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2013
NH-S	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	460217	12/14/2013
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2012

con-test

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www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page _____ of _____



ANALYTICAL LABORATORY

Project Location: Obrien Hill bathe
Telephone: 12L0317

Rev 04.05.12

ANALYSIS REQUESTED

Comments:

Relinquished by: (signature) 840 Date/Time: 12/11/12 Turnaround ^{††}: 5-7-Day
Received by: (signature) 840 Date/Time: 12/11/12 Detection Limit Requirements: MA State DW Form Required
Relinquished by: (signature) 840 Date/Time: 12/11/12 MCP Form Required: □
Received by: (signature) 840 Date/Time: 12/11/12 RCP Form Required: □
Received by: (signature) 840 Date/Time: 12/11/12 MA State DW Form Required: □ PWSID #: NELAC & AIHA-LAP, LLC
Received by: (signature) 840 Date/Time: 12/11/12 DW = drinking water
Received by: (signature) 840 Date/Time: 12/11/12 Air = air
Received by: (signature) 840 Date/Time: 12/11/12 S = solid/sludge
Received by: (signature) 840 Date/Time: 12/11/12 SL = sludge
Received by: (signature) 840 Date/Time: 12/11/12 Other: WBE/DBE Certified

of Containers
**Preservation
***Container Code

Dissolved Metals
○ Field Filtered
○ Lab to Filter

Project PO#
Client PO#
DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax #
Email:
Format:
○ PDF ○ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

Address:	Project #:
Project Location:	Telephone:
Sampled By:	
Project Proposal Provided? (for billing purposes)	
○ yes _____ proposal date	

Con-Test Lab ID	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	Sample
01	12-10 PCB554 - Boys Landing					7		
02	12-10 PCB552 - Bowes Brook							
03	12-10 PCB551 - Bowes Brook							
04	12-10 PCB552 G.C. vs sand							
05	12-10 PCB553 - Sheal T-beam							
06	12-10 PCB554 ↓ ↓							
07	12-10 PCB555 - Root deck							
08	12-10 PCB556 ↓ ↓							
09	12-10 PCB557 - O/S + duct							
10	12-10 PCB558 ↓ ↓							

Soil lot

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

Comments:	V.V. 1/16			
Relinquished by: (signature)	Date/Time:	Turnaround ^{††} :	Detection Limit Requirements:	Is your project MCP or RCP?
Received by: (signature)	Date/Time:	<input checked="" type="checkbox"/> 5-7-Day	Massachusetts:	<input type="radio"/> MCP Form Required
Received by: (signature)	Date/Time:	<input type="checkbox"/> 10-Day	Connecticut:	<input type="radio"/> RCP Form Required
Received by: (signature)	Date/Time:	<input type="checkbox"/> Other	Other:	<input type="radio"/> MA State DW Form Required PWSID #
Received by: (signature)	Date/Time:	<input checked="" type="checkbox"/> RUSH [†]		
Received by: (signature)	Date/Time:	<input type="checkbox"/> 24-Hr	GW=groundwater	
Received by: (signature)	Date/Time:	<input type="checkbox"/> 48-Hr	WW=wastewater	
Received by: (signature)	Date/Time:	<input type="checkbox"/> 72-Hr	DW=drinking water	
Received by: (signature)	Date/Time:	<input type="checkbox"/> 4-Day	A = air	
Received by: (signature)	Date/Time:	<input type="checkbox"/> Other	S = solid/sludge	
Received by: (signature)	Date/Time:	<input type="checkbox"/> Other	SL = sludge	
Received by: (signature)	Date/Time:	<input type="checkbox"/> Other	O = other	

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; L - Low; C - Clean; U - Unknown

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



ACREDITED IN ACCORDANCE WITH
NELAC & AIHA-LAP, LLC
Accredited

WBE/DBE Certified

INCORRECT. 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 PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT



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CHAIN OF CUSTODY RECORD

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Page ____ of ____

Ref. 04.05.12

Company Name: AAC Inc.

Address:

Telephone:

Attention:

Project Location: Oskar Hill Beth

Sampled By:

Project Proposal Provided? (for billing purposes)

- yes _____ proposal date

Project # _____
Client PO# _____
Fax# _____
Email: _____

DATA DELIVERY (check all that apply)
 FAX EMAIL WEBSITE
 OTHER "Enhanced Data Package"

Dissolved Metal
 Field Filtered
 Lab to Filter

** Preservation

*** Container Code

**** Cont. Code:

A=amber glass

G=glass

P=plastic

ST=sterile

V=vial

S=summary can

T=tedlar bag

O=Other

**P reservation

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=sol/solid

SL=sludge

O=other

Turnaround Time: 5-7-Day

Date/Time: 12-21-09

Other: 10-Day

Other _____

Rush:

12-Hr 24-Hr 48-Hr

172-Hr 4-Day

Require lab approval:

Other: _____

Massachusetts: _____

Connecticut: LA 111m

Comments: U.W/11c

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

MCP Form Required:

RCP Form Required:

MA State DW Form Required:

PWSID #: _____

NELAC & AHA-LAP, LLC Accredited:

WBE/DBE Certified:

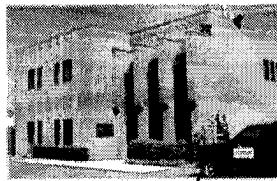
ACREDITED IN ACCORDANCE WITH THE NELAC AND AHA-LAP STANDARDS

12L0317_1 Contest_Final 12 19 12 1132

Page 28 of 29

		Turnaround		Detection Limit Requirements		Is your project MCP or RCP?	
Relinquished by: (signature) <u>949</u>	Date/Time: <u>12-21-09</u>	Massachusetts: _____	Connnecticut: <u>LA 111m</u>	<input type="radio"/> MCP Form Required	<input type="radio"/> RCP Form Required	<input checked="" type="radio"/> MA State DW Form Required	PWSID #: _____
Received by: (signature) <u>22</u>	Date/Time: <u>12-11-09</u>	Relinquished by: (signature) <u>22</u>	Date/Time: <u>12-11-09</u>	<input type="checkbox"/> Other _____	<input type="checkbox"/> Other _____	<input type="checkbox"/> Other _____	<input type="checkbox"/> Other _____
Received by: (signature) <u>1407</u>	Date/Time: <u>12-11-09</u>	Received by: (signature) <u>1407</u>	Date/Time: <u>12-11-09</u>	<input type="checkbox"/> Other _____	<input type="checkbox"/> Other _____	<input type="checkbox"/> Other _____	<input type="checkbox"/> Other _____
<p>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.</p>							

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East Longmeadow, MA. 01028
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F: 413-525-6405
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Sample Receipt Checklist

CLIENT NAME: AMC

RECEIVED BY: VA

DATE: 12/11

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)
 Yes No N/A

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 4.4

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

10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No N/A

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	<u>18</u>
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:

Time and Date Frozen:

40 mL vials: # HCl _____ # Methanol _____

Doc# 277 # Bisulfate _____ # DI Water _____

Rev. 3 May 2012 # Thiosulfate _____ Unpreserved _____

TSI DUSTTRACK RESULTS

Test 002

Instrument		Data Properties	
Model	DustTrak II	Start Date	11/26/2012
Instrument S/N	8530092502	Start Time	11:49:59
		Stop Date	11/26/2012
		Stop Time	19:49:59
		Total Time	0:08:00:00
		Logging Interval	300 seconds

Statistics	
	AEROSOL
Avg	0.039 mg/m^3
Max	0.052 mg/m^3
Max Date	11/26/2012
Max Time	12:04:59
Min	0.035 mg/m^3
Min Date	11/26/2012
Min Time	15:59:59
TWA (8 hr)	0.039
TWA Start Date	11/26/2012
TWA Start Time	11:49:59
TWA End Time	19:49:59

Test 002

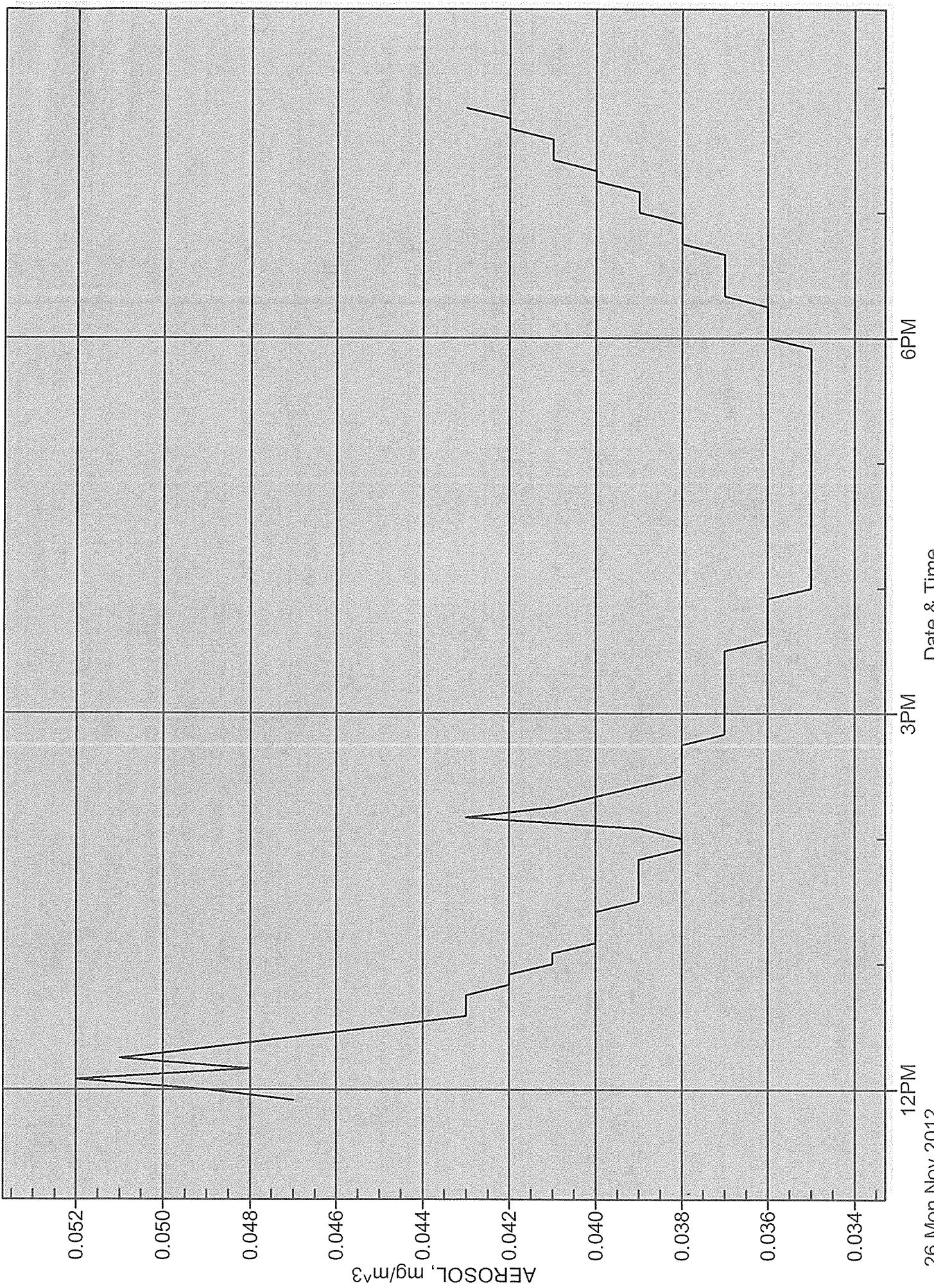
Instrument		Data Properties	
Model	DustTrak II	Start Date	11/26/2012
Instrument S/N	8530092502	Start Time	11:49:59
		Stop Date	11/26/2012
		Stop Time	19:49:59
		Total Time	0:08:00:00
		Logging Interval	300 seconds

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
1	11/26/2012	11:54:59	0.047
2	11/26/2012	11:59:59	0.049
3	11/26/2012	12:04:59	0.052
4	11/26/2012	12:09:59	0.048
5	11/26/2012	12:14:59	0.051
6	11/26/2012	12:19:59	0.049
7	11/26/2012	12:24:59	0.047
8	11/26/2012	12:29:59	0.045
9	11/26/2012	12:34:59	0.043
10	11/26/2012	12:39:59	0.043
11	11/26/2012	12:44:59	0.043
12	11/26/2012	12:49:59	0.042
13	11/26/2012	12:54:59	0.042
14	11/26/2012	12:59:59	0.041
15	11/26/2012	13:04:59	0.041
16	11/26/2012	13:09:59	0.040
17	11/26/2012	13:14:59	0.040
18	11/26/2012	13:19:59	0.040
19	11/26/2012	13:24:59	0.040
20	11/26/2012	13:29:59	0.039
21	11/26/2012	13:34:59	0.039
22	11/26/2012	13:39:59	0.039
23	11/26/2012	13:44:59	0.039
24	11/26/2012	13:49:59	0.039
25	11/26/2012	13:54:59	0.038
26	11/26/2012	13:59:59	0.038
27	11/26/2012	14:04:59	0.039
28	11/26/2012	14:09:59	0.043
29	11/26/2012	14:14:59	0.041
30	11/26/2012	14:19:59	0.040
31	11/26/2012	14:24:59	0.039
32	11/26/2012	14:29:59	0.038
33	11/26/2012	14:34:59	0.038
34	11/26/2012	14:39:59	0.038
35	11/26/2012	14:44:59	0.038

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
36	11/26/2012	14:49:59	0.037
37	11/26/2012	14:54:59	0.037
38	11/26/2012	14:59:59	0.037
39	11/26/2012	15:04:59	0.037
40	11/26/2012	15:09:59	0.037
41	11/26/2012	15:14:59	0.037
42	11/26/2012	15:19:59	0.037
43	11/26/2012	15:24:59	0.037
44	11/26/2012	15:29:59	0.037
45	11/26/2012	15:34:59	0.036
46	11/26/2012	15:39:59	0.036
47	11/26/2012	15:44:59	0.036
48	11/26/2012	15:49:59	0.036
49	11/26/2012	15:54:59	0.036
50	11/26/2012	15:59:59	0.035
51	11/26/2012	16:04:59	0.035
52	11/26/2012	16:09:59	0.035
53	11/26/2012	16:14:59	0.035
54	11/26/2012	16:19:59	0.035
55	11/26/2012	16:24:59	0.035
56	11/26/2012	16:29:59	0.035
57	11/26/2012	16:34:59	0.035
58	11/26/2012	16:39:59	0.035
59	11/26/2012	16:44:59	0.035
60	11/26/2012	16:49:59	0.035
61	11/26/2012	16:54:59	0.035
62	11/26/2012	16:59:59	0.035
63	11/26/2012	17:04:59	0.035
64	11/26/2012	17:09:59	0.035
65	11/26/2012	17:14:59	0.035
66	11/26/2012	17:19:59	0.035
67	11/26/2012	17:24:59	0.035
68	11/26/2012	17:29:59	0.035
69	11/26/2012	17:34:59	0.035
70	11/26/2012	17:39:59	0.035
71	11/26/2012	17:44:59	0.035
72	11/26/2012	17:49:59	0.035
73	11/26/2012	17:54:59	0.035
74	11/26/2012	17:59:59	0.036
75	11/26/2012	18:04:59	0.036
76	11/26/2012	18:09:59	0.036
77	11/26/2012	18:14:59	0.036
78	11/26/2012	18:19:59	0.037
79	11/26/2012	18:24:59	0.037
80	11/26/2012	18:29:59	0.037
81	11/26/2012	18:34:59	0.037

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
82	11/26/2012	18:39:59	0.037
83	11/26/2012	18:44:59	0.038
84	11/26/2012	18:49:59	0.038
85	11/26/2012	18:54:59	0.038
86	11/26/2012	18:59:59	0.039
87	11/26/2012	19:04:59	0.039
88	11/26/2012	19:09:59	0.039
89	11/26/2012	19:14:59	0.040
90	11/26/2012	19:19:59	0.040
91	11/26/2012	19:24:59	0.041
92	11/26/2012	19:29:59	0.041
93	11/26/2012	19:34:59	0.041
94	11/26/2012	19:39:59	0.042
95	11/26/2012	19:44:59	0.042
96	11/26/2012	19:49:59	0.043

@ Decon
Hall Containment



Test 003

Instrument		Data Properties	
Model	DustTrak II	Start Date	11/27/2012
Instrument S/N	8530092502	Start Time	09:26:06
		Stop Date	11/27/2012
		Stop Time	13:26:06
		Total Time	0:04:00:00
		Logging Interval	300 seconds

Statistics	
	AEROSOL
Avg	0.019 mg/m ³
Max	0.022 mg/m ³
Max Date	11/27/2012
Max Time	13:01:06
Min	0.017 mg/m ³
Min Date	11/27/2012
Min Time	09:46:06
TWA (8 hr)	0.009
TWA Start Date	11/27/2012
TWA Start Time	09:26:06
TWA End Time	13:26:06

Test 003

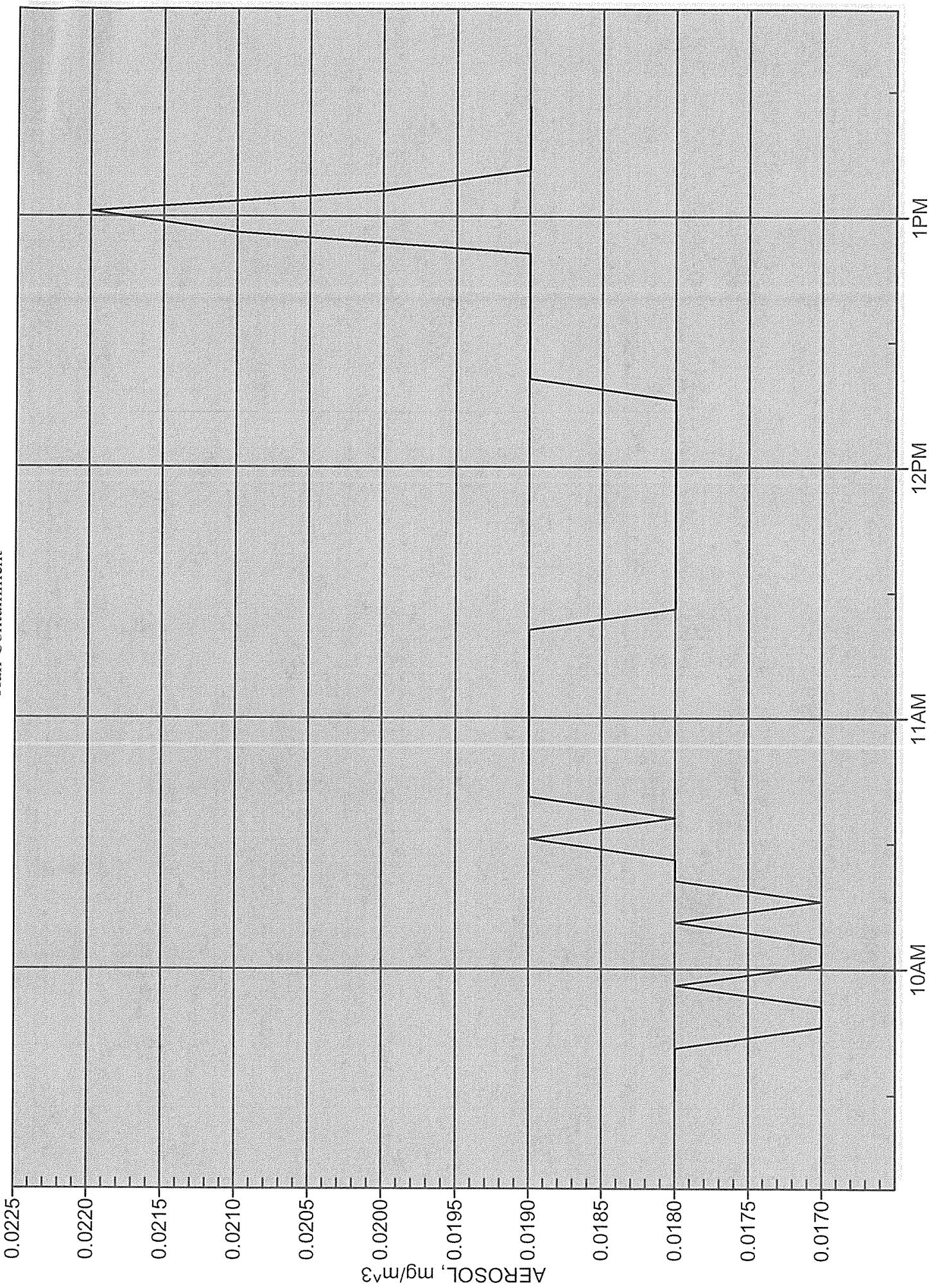
Instrument		Data Properties	
Model	DustTrak II	Start Date	11/27/2012
Instrument S/N	8530092502	Start Time	09:26:06
		Stop Date	11/27/2012
		Stop Time	13:26:06
		Total Time	0:04:00:00
		Logging Interval	300 seconds

Statistics	
Avg	0.019 mg/m ³
Max	0.022 mg/m ³
Max Date	11/27/2012
Max Time	13:01:06
Min	0.017 mg/m ³
Min Date	11/27/2012
Min Time	09:46:06
TWA (8 hr)	0.009
TWA Start Date	11/27/2012
TWA Start Time	09:26:06
TWA End Time	13:26:06

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
1	11/27/2012	09:31:06	0.018
2	11/27/2012	09:36:06	0.018
3	11/27/2012	09:41:06	0.018
4	11/27/2012	09:46:06	0.017
5	11/27/2012	09:51:06	0.017
6	11/27/2012	09:56:06	0.018
7	11/27/2012	10:01:06	0.017
8	11/27/2012	10:06:06	0.017
9	11/27/2012	10:11:06	0.018
10	11/27/2012	10:16:06	0.017
11	11/27/2012	10:21:06	0.018
12	11/27/2012	10:26:06	0.018
13	11/27/2012	10:31:06	0.019
14	11/27/2012	10:36:06	0.018
15	11/27/2012	10:41:06	0.019
16	11/27/2012	10:46:06	0.019
17	11/27/2012	10:51:06	0.019
18	11/27/2012	10:56:06	0.019
19	11/27/2012	11:01:06	0.019
20	11/27/2012	11:06:06	0.019
21	11/27/2012	11:11:06	0.019

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
22	11/27/2012	11:16:06	0.019
23	11/27/2012	11:21:06	0.019
24	11/27/2012	11:26:06	0.018
25	11/27/2012	11:31:06	0.018
26	11/27/2012	11:36:06	0.018
27	11/27/2012	11:41:06	0.018
28	11/27/2012	11:46:06	0.018
29	11/27/2012	11:51:06	0.018
30	11/27/2012	11:56:06	0.018
31	11/27/2012	12:01:06	0.018
32	11/27/2012	12:06:06	0.018
33	11/27/2012	12:11:06	0.018
34	11/27/2012	12:16:06	0.018
35	11/27/2012	12:21:06	0.019
36	11/27/2012	12:26:06	0.019
37	11/27/2012	12:31:06	0.019
38	11/27/2012	12:36:06	0.019
39	11/27/2012	12:41:06	0.019
40	11/27/2012	12:46:06	0.019
41	11/27/2012	12:51:06	0.019
42	11/27/2012	12:56:06	0.021
43	11/27/2012	13:01:06	0.022
44	11/27/2012	13:06:06	0.020
45	11/27/2012	13:11:06	0.019
46	11/27/2012	13:16:06	0.019
47	11/27/2012	13:21:06	0.019
48	11/27/2012	13:26:06	0.019

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Test 004

Instrument		Data Properties	
Model	DustTrak II	Start Date	11/28/2012
Instrument S/N	8530092502	Start Time	08:37:04
		Stop Date	11/28/2012
		Stop Time	17:37:04
		Total Time	0:09:00:00
		Logging Interval	600 seconds

Statistics	
	AEROSOL
Avg	0.013 mg/m^3
Max	0.019 mg/m^3
Max Date	11/28/2012
Max Time	08:47:04
Min	0.011 mg/m^3
Min Date	11/28/2012
Min Time	14:47:04
TWA (8 hr)	0.013
TWA Start Date	11/28/2012
TWA Start Time	08:37:04
TWA End Time	17:37:04

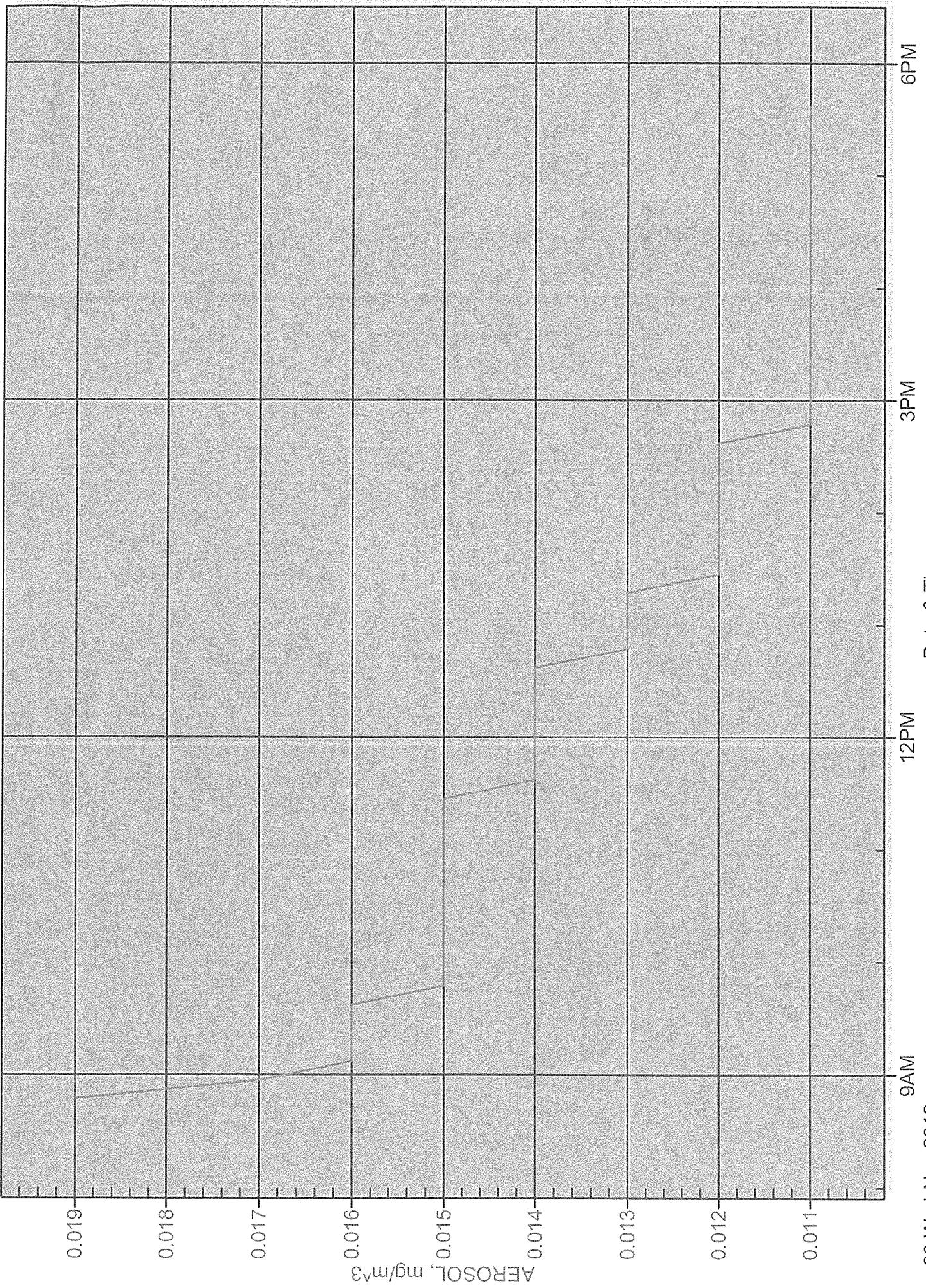
Test 004

Instrument		Data Properties	
Model	DustTrak II	Start Date	11/28/2012
Instrument S/N	8530092502	Start Time	08:37:04
		Stop Date	11/28/2012
		Stop Time	17:37:04
		Total Time	0:09:00:00
		Logging Interval	600 seconds

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
1	11/28/2012	08:47:04	0.019
2	11/28/2012	08:57:04	0.017
3	11/28/2012	09:07:04	0.016
4	11/28/2012	09:17:04	0.016
5	11/28/2012	09:27:04	0.016
6	11/28/2012	09:37:04	0.016
7	11/28/2012	09:47:04	0.015
8	11/28/2012	09:57:04	0.015
9	11/28/2012	10:07:04	0.015
10	11/28/2012	10:17:04	0.015
11	11/28/2012	10:27:04	0.015
12	11/28/2012	10:37:04	0.015
13	11/28/2012	10:47:04	0.015
14	11/28/2012	10:57:04	0.015
15	11/28/2012	11:07:04	0.015
16	11/28/2012	11:17:04	0.015
17	11/28/2012	11:27:04	0.015
18	11/28/2012	11:37:04	0.014
19	11/28/2012	11:47:04	0.014
20	11/28/2012	11:57:04	0.014
21	11/28/2012	12:07:04	0.014
22	11/28/2012	12:17:04	0.014
23	11/28/2012	12:27:04	0.014
24	11/28/2012	12:37:04	0.014
25	11/28/2012	12:47:04	0.013
26	11/28/2012	12:57:04	0.013
27	11/28/2012	13:07:04	0.013
28	11/28/2012	13:17:04	0.013
29	11/28/2012	13:27:04	0.012
30	11/28/2012	13:37:04	0.012
31	11/28/2012	13:47:04	0.012
32	11/28/2012	13:57:04	0.012
33	11/28/2012	14:07:04	0.012
34	11/28/2012	14:17:04	0.012
35	11/28/2012	14:27:04	0.012

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
36	11/28/2012	14:37:04	0.012
37	11/28/2012	14:47:04	0.011
38	11/28/2012	14:57:04	0.011
39	11/28/2012	15:07:04	0.011
40	11/28/2012	15:17:04	0.011
41	11/28/2012	15:27:04	0.011
42	11/28/2012	15:37:04	0.011
43	11/28/2012	15:47:04	0.011
44	11/28/2012	15:57:04	0.011
45	11/28/2012	16:07:04	0.011
46	11/28/2012	16:17:04	0.011
47	11/28/2012	16:27:04	0.011
48	11/28/2012	16:37:04	0.011
49	11/28/2012	16:47:04	0.011
50	11/28/2012	16:57:04	0.011
51	11/28/2012	17:07:04	0.011
52	11/28/2012	17:17:04	0.011
53	11/28/2012	17:27:04	0.011
54	11/28/2012	17:37:04	0.011

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Test 006

Instrument		Data Properties	
Model	DustTrak II	Start Date	11/29/2012
Instrument S/N	8530092502	Start Time	08:53:00
		Stop Date	11/29/2012
		Stop Time	14:53:00
		Total Time	0:06:00:00
		Logging Interval	300 seconds

Statistics	
	AEROSOL
Avg	0.015 mg/m^3
Max	0.019 mg/m^3
Max Date	11/29/2012
Max Time	10:08:00
Min	0.014 mg/m^3
Min Date	11/29/2012
Min Time	11:53:00
TWA (8 hr)	0.012
TWA Start Date	11/29/2012
TWA Start Time	08:53:00
TWA End Time	14:53:00

Test 006

Instrument		Data Properties	
Model	DustTrak II	Start Date	11/29/2012
Instrument S/N	8530092502	Start Time	08:53:00
		Stop Date	11/29/2012
		Stop Time	14:53:00
		Total Time	0:06:00:00
		Logging Interval	300 seconds

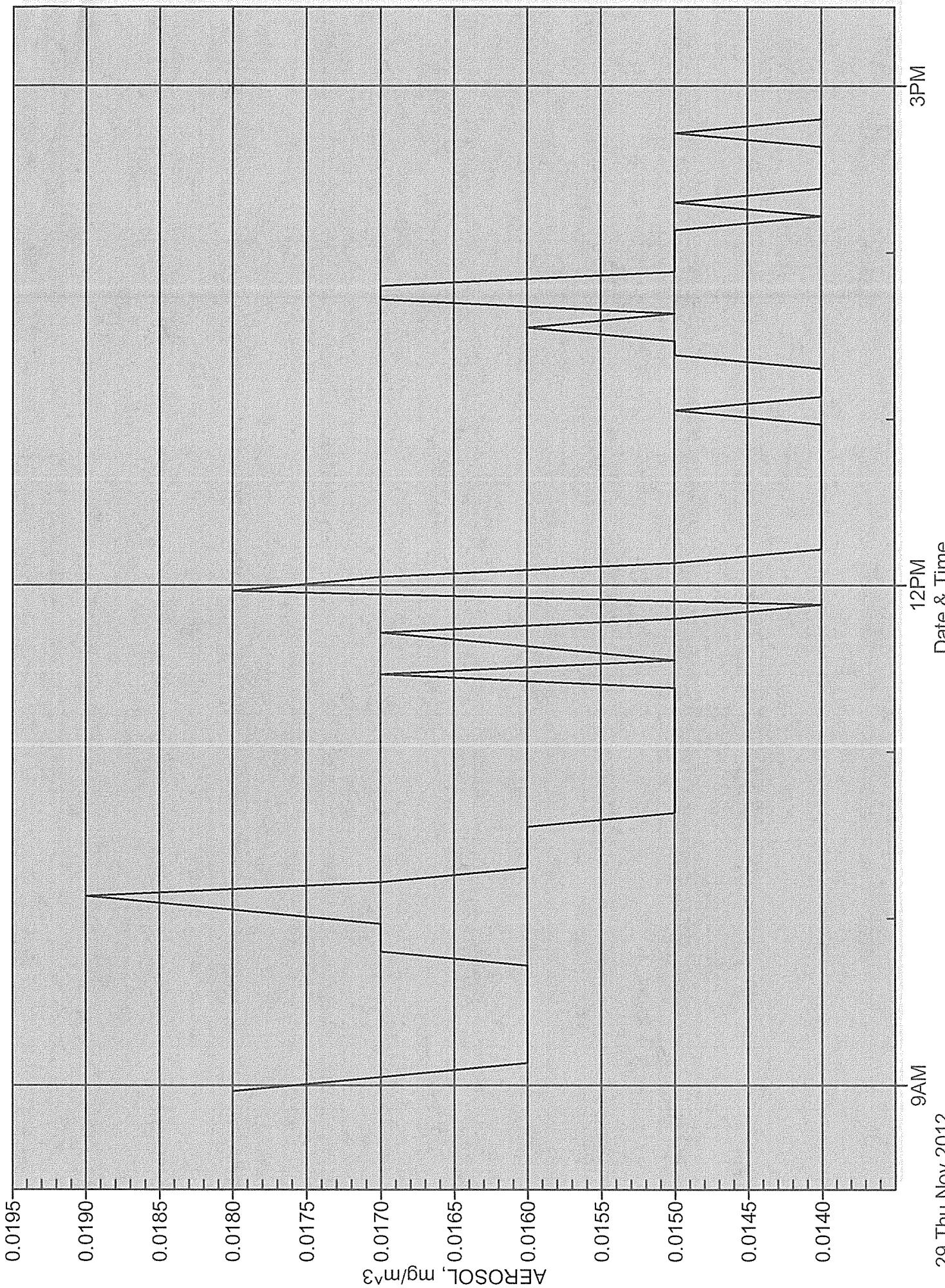
Statistics	
Avg	0.015 mg/m^3
Max	0.019 mg/m^3
Max Date	11/29/2012
Max Time	10:08:00
Min	0.014 mg/m^3
Min Date	11/29/2012
Min Time	11:53:00
TWA (8 hr)	0.012
TWA Start Date	11/29/2012
TWA Start Time	08:53:00
TWA End Time	14:53:00

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
1	11/29/2012	08:58:00	0.018
2	11/29/2012	09:03:00	0.017
3	11/29/2012	09:08:00	0.016
4	11/29/2012	09:13:00	0.016
5	11/29/2012	09:18:00	0.016
6	11/29/2012	09:23:00	0.016
7	11/29/2012	09:28:00	0.016
8	11/29/2012	09:33:00	0.016
9	11/29/2012	09:38:00	0.016
10	11/29/2012	09:43:00	0.016
11	11/29/2012	09:48:00	0.017
12	11/29/2012	09:53:00	0.017
13	11/29/2012	09:58:00	0.017
14	11/29/2012	10:03:00	0.018
15	11/29/2012	10:08:00	0.019
16	11/29/2012	10:13:00	0.017
17	11/29/2012	10:18:00	0.016
18	11/29/2012	10:23:00	0.016
19	11/29/2012	10:28:00	0.016
20	11/29/2012	10:33:00	0.016
21	11/29/2012	10:38:00	0.015

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
22	11/29/2012	10:43:00	0.015
23	11/29/2012	10:48:00	0.015
24	11/29/2012	10:53:00	0.015
25	11/29/2012	10:58:00	0.015
26	11/29/2012	11:03:00	0.015
27	11/29/2012	11:08:00	0.015
28	11/29/2012	11:13:00	0.015
29	11/29/2012	11:18:00	0.015
30	11/29/2012	11:23:00	0.015
31	11/29/2012	11:28:00	0.017
32	11/29/2012	11:33:00	0.015
33	11/29/2012	11:38:00	0.016
34	11/29/2012	11:43:00	0.017
35	11/29/2012	11:48:00	0.015
36	11/29/2012	11:53:00	0.014
37	11/29/2012	11:58:00	0.018
38	11/29/2012	12:03:00	0.017
39	11/29/2012	12:08:00	0.015
40	11/29/2012	12:13:00	0.014
41	11/29/2012	12:18:00	0.014
42	11/29/2012	12:23:00	0.014
43	11/29/2012	12:28:00	0.014
44	11/29/2012	12:33:00	0.014
45	11/29/2012	12:38:00	0.014
46	11/29/2012	12:43:00	0.014
47	11/29/2012	12:48:00	0.014
48	11/29/2012	12:53:00	0.014
49	11/29/2012	12:58:00	0.014
50	11/29/2012	13:03:00	0.015
51	11/29/2012	13:08:00	0.014
52	11/29/2012	13:13:00	0.014
53	11/29/2012	13:18:00	0.014
54	11/29/2012	13:23:00	0.015
55	11/29/2012	13:28:00	0.015
56	11/29/2012	13:33:00	0.016
57	11/29/2012	13:38:00	0.015
58	11/29/2012	13:43:00	0.017
59	11/29/2012	13:48:00	0.017
60	11/29/2012	13:53:00	0.015
61	11/29/2012	13:58:00	0.015
62	11/29/2012	14:03:00	0.015
63	11/29/2012	14:08:00	0.015
64	11/29/2012	14:13:00	0.014
65	11/29/2012	14:18:00	0.015
66	11/29/2012	14:23:00	0.014
67	11/29/2012	14:28:00	0.014

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
68	11/29/2012	14:33:00	0.014
69	11/29/2012	14:38:00	0.014
70	11/29/2012	14:43:00	0.015
71	11/29/2012	14:48:00	0.014
72	11/29/2012	14:53:00	0.014

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Test 008

Instrument		Data Properties	
Model	DustTrak II	Start Date	11/30/2012
Instrument S/N	8530092502	Start Time	08:23:38
		Stop Date	11/30/2012
		Stop Time	14:23:38
		Total Time	0:06:00:00
		Logging Interval	300 seconds

Statistics	
	AEROSOL
Avg	0.023 mg/m^3
Max	0.027 mg/m^3
Max Date	11/30/2012
Max Time	10:43:38
Min	0.020 mg/m^3
Min Date	11/30/2012
Min Time	13:23:38
TWA (8 hr)	0.018
TWA Start Date	11/30/2012
TWA Start Time	08:23:38
TWA End Time	14:23:38

Test 008

Instrument		Data Properties	
Model	DustTrak II	Start Date	11/30/2012
Instrument S/N	8530092502	Start Time	08:23:38
		Stop Date	11/30/2012
		Stop Time	14:23:38
		Total Time	0:06:00:00
		Logging Interval	300 seconds

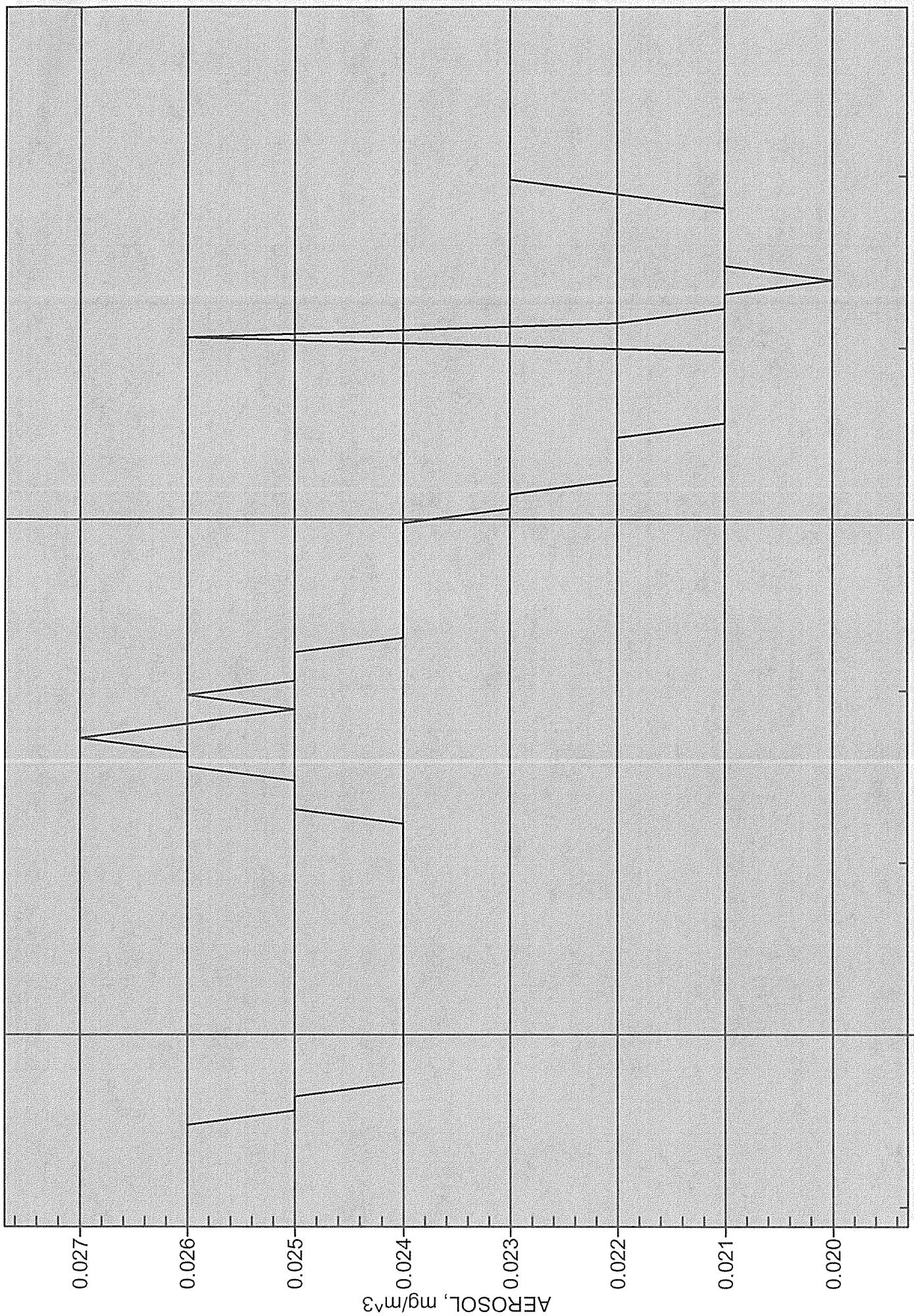
Statistics	
	AEROSOL
Avg	0.023 mg/m^3
Max	0.027 mg/m^3
Max Date	11/30/2012
Max Time	10:43:38
Min	0.020 mg/m^3
Min Date	11/30/2012
Min Time	13:23:38
TWA (8 hr)	0.018
TWA Start Date	11/30/2012
TWA Start Time	08:23:38
TWA End Time	14:23:38

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
1	11/30/2012	08:28:38	0.026
2	11/30/2012	08:33:38	0.025
3	11/30/2012	08:38:38	0.025
4	11/30/2012	08:43:38	0.024
5	11/30/2012	08:48:38	0.024
6	11/30/2012	08:53:38	0.024
7	11/30/2012	08:58:38	0.024
8	11/30/2012	09:03:38	0.024
9	11/30/2012	09:08:38	0.024
10	11/30/2012	09:13:38	0.024
11	11/30/2012	09:18:38	0.024
12	11/30/2012	09:23:38	0.024
13	11/30/2012	09:28:38	0.024
14	11/30/2012	09:33:38	0.024
15	11/30/2012	09:38:38	0.024
16	11/30/2012	09:43:38	0.024
17	11/30/2012	09:48:38	0.024
18	11/30/2012	09:53:38	0.024
19	11/30/2012	09:58:38	0.024
20	11/30/2012	10:03:38	0.024
21	11/30/2012	10:08:38	0.024

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
22	11/30/2012	10:13:38	0.024
23	11/30/2012	10:18:38	0.025
24	11/30/2012	10:23:38	0.025
25	11/30/2012	10:28:38	0.025
26	11/30/2012	10:33:38	0.026
27	11/30/2012	10:38:38	0.026
28	11/30/2012	10:43:38	0.027
29	11/30/2012	10:48:38	0.026
30	11/30/2012	10:53:38	0.025
31	11/30/2012	10:58:38	0.026
32	11/30/2012	11:03:38	0.025
33	11/30/2012	11:08:38	0.025
34	11/30/2012	11:13:38	0.025
35	11/30/2012	11:18:38	0.024
36	11/30/2012	11:23:38	0.024
37	11/30/2012	11:28:38	0.024
38	11/30/2012	11:33:38	0.024
39	11/30/2012	11:38:38	0.024
40	11/30/2012	11:43:38	0.024
41	11/30/2012	11:48:38	0.024
42	11/30/2012	11:53:38	0.024
43	11/30/2012	11:58:38	0.024
44	11/30/2012	12:03:38	0.023
45	11/30/2012	12:08:38	0.023
46	11/30/2012	12:13:38	0.022
47	11/30/2012	12:18:38	0.022
48	11/30/2012	12:23:38	0.022
49	11/30/2012	12:28:38	0.022
50	11/30/2012	12:33:38	0.021
51	11/30/2012	12:38:38	0.021
52	11/30/2012	12:43:38	0.021
53	11/30/2012	12:48:38	0.021
54	11/30/2012	12:53:38	0.021
55	11/30/2012	12:58:38	0.021
56	11/30/2012	13:03:38	0.026
57	11/30/2012	13:08:38	0.022
58	11/30/2012	13:13:38	0.021
59	11/30/2012	13:18:38	0.021
60	11/30/2012	13:23:38	0.020
61	11/30/2012	13:28:38	0.021
62	11/30/2012	13:33:38	0.021
63	11/30/2012	13:38:38	0.021
64	11/30/2012	13:43:38	0.021
65	11/30/2012	13:48:38	0.021
66	11/30/2012	13:53:38	0.022
67	11/30/2012	13:58:38	0.023

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
68	11/30/2012	14:03:38	0.023
69	11/30/2012	14:08:38	0.023
70	11/30/2012	14:13:38	0.023
71	11/30/2012	14:18:38	0.023
72	11/30/2012	14:23:38	0.023

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Test 009

Instrument		Data Properties	
Model	DustTrak II	Start Date	12/03/2012
Instrument S/N	8530092502	Start Time	09:07:34
		Stop Date	12/03/2012
		Stop Time	15:07:34
		Total Time	0:06:00:00
		Logging Interval	300 seconds

Statistics	
	AEROSOL
Avg	0.036 mg/m^3
Max	0.125 mg/m^3
Max Date	12/03/2012
Max Time	13:02:34
Min	0.028 mg/m^3
Min Date	12/03/2012
Min Time	11:52:34
TWA (8 hr)	0.027
TWA Start Date	12/03/2012
TWA Start Time	09:07:34
TWA End Time	15:07:34

Test 009

Instrument		Data Properties	
Model	DustTrak II	Start Date	12/03/2012
Instrument S/N	8530092502	Start Time	09:07:34
		Stop Date	12/03/2012
		Stop Time	15:07:34
		Total Time	0:06:00:00
		Logging Interval	300 seconds

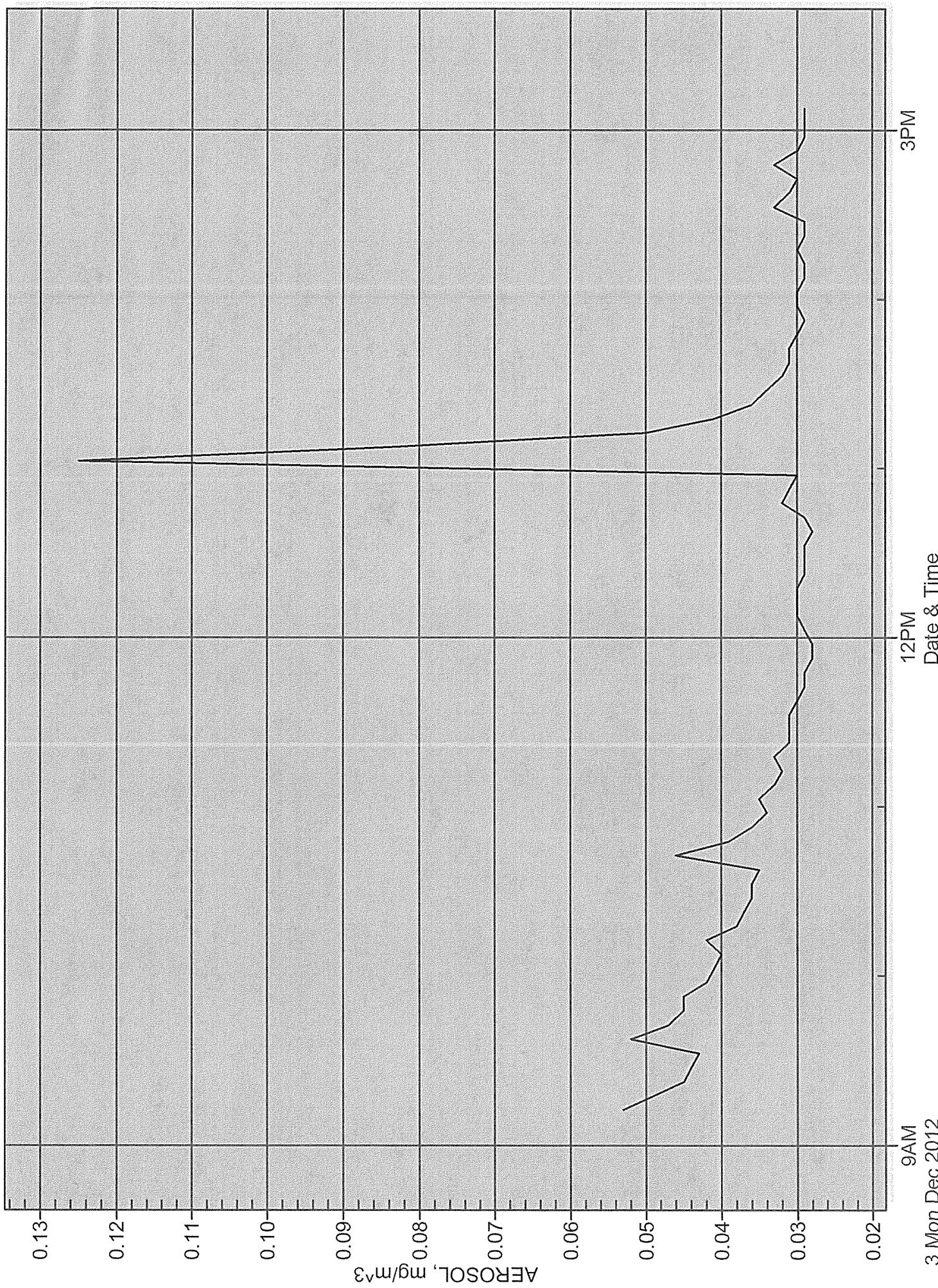
Statistics	
	AEROSOL
Avg	0.036 mg/m^3
Max	0.125 mg/m^3
Max Date	12/03/2012
Max Time	13:02:34
Min	0.028 mg/m^3
Min Date	12/03/2012
Min Time	11:52:34
TWA (8 hr)	0.027
TWA Start Date	12/03/2012
TWA Start Time	09:07:34
TWA End Time	15:07:34

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
1	12/03/2012	09:12:34	0.053
2	12/03/2012	09:17:34	0.049
3	12/03/2012	09:22:34	0.045
4	12/03/2012	09:27:34	0.044
5	12/03/2012	09:32:34	0.043
6	12/03/2012	09:37:34	0.052
7	12/03/2012	09:42:34	0.047
8	12/03/2012	09:47:34	0.045
9	12/03/2012	09:52:34	0.045
10	12/03/2012	09:57:34	0.042
11	12/03/2012	10:02:34	0.041
12	12/03/2012	10:07:34	0.040
13	12/03/2012	10:12:34	0.042
14	12/03/2012	10:17:34	0.038
15	12/03/2012	10:22:34	0.037
16	12/03/2012	10:27:34	0.036
17	12/03/2012	10:32:34	0.036
18	12/03/2012	10:37:34	0.035
19	12/03/2012	10:42:34	0.046
20	12/03/2012	10:47:34	0.039
21	12/03/2012	10:52:34	0.036

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
22	12/03/2012	10:57:34	0.034
23	12/03/2012	11:02:34	0.035
24	12/03/2012	11:07:34	0.033
25	12/03/2012	11:12:34	0.032
26	12/03/2012	11:17:34	0.033
27	12/03/2012	11:22:34	0.031
28	12/03/2012	11:27:34	0.031
29	12/03/2012	11:32:34	0.031
30	12/03/2012	11:37:34	0.030
31	12/03/2012	11:42:34	0.029
32	12/03/2012	11:47:34	0.029
33	12/03/2012	11:52:34	0.028
34	12/03/2012	11:57:34	0.028
35	12/03/2012	12:02:34	0.029
36	12/03/2012	12:07:34	0.030
37	12/03/2012	12:12:34	0.030
38	12/03/2012	12:17:34	0.030
39	12/03/2012	12:22:34	0.029
40	12/03/2012	12:27:34	0.029
41	12/03/2012	12:32:34	0.029
42	12/03/2012	12:37:34	0.028
43	12/03/2012	12:42:34	0.029
44	12/03/2012	12:47:34	0.032
45	12/03/2012	12:52:34	0.031
46	12/03/2012	12:57:34	0.030
47	12/03/2012	13:02:34	0.125
48	12/03/2012	13:07:34	0.083
49	12/03/2012	13:12:34	0.050
50	12/03/2012	13:17:34	0.041
51	12/03/2012	13:22:34	0.036
52	12/03/2012	13:27:34	0.034
53	12/03/2012	13:32:34	0.032
54	12/03/2012	13:37:34	0.031
55	12/03/2012	13:42:34	0.031
56	12/03/2012	13:47:34	0.030
57	12/03/2012	13:52:34	0.029
58	12/03/2012	13:57:34	0.030
59	12/03/2012	14:02:34	0.030
60	12/03/2012	14:07:34	0.029
61	12/03/2012	14:12:34	0.029
62	12/03/2012	14:17:34	0.030
63	12/03/2012	14:22:34	0.029
64	12/03/2012	14:27:34	0.029
65	12/03/2012	14:32:34	0.033
66	12/03/2012	14:37:34	0.031
67	12/03/2012	14:42:34	0.030

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
68	12/03/2012	14:47:34	0.033
69	12/03/2012	14:52:34	0.030
70	12/03/2012	14:57:34	0.029
71	12/03/2012	15:02:34	0.029
72	12/03/2012	15:07:34	0.029

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Test 010

Instrument		Data Properties	
Model	DustTrak II	Start Date	12/04/2012
Instrument S/N	8530092502	Start Time	12:44:30
		Stop Date	12/04/2012
		Stop Time	18:44:30
		Total Time	0:06:00:00
		Logging Interval	300 seconds

Statistics	
	AEROSOL
Avg	0.031 mg/m ³
Max	0.038 mg/m ³
Max Date	12/04/2012
Max Time	15:14:30
Min	0.027 mg/m ³
Min Date	12/04/2012
Min Time	13:24:30
TWA (8 hr)	0.023
TWA Start Date	12/04/2012
TWA Start Time	12:44:30
TWA End Time	18:44:30

Test 010

Instrument		Data Properties	
Model	DustTrak II	Start Date	12/04/2012
Instrument S/N	8530092502	Start Time	12:44:30
		Stop Date	12/04/2012
		Stop Time	18:44:30
		Total Time	0:06:00:00
		Logging Interval	300 seconds

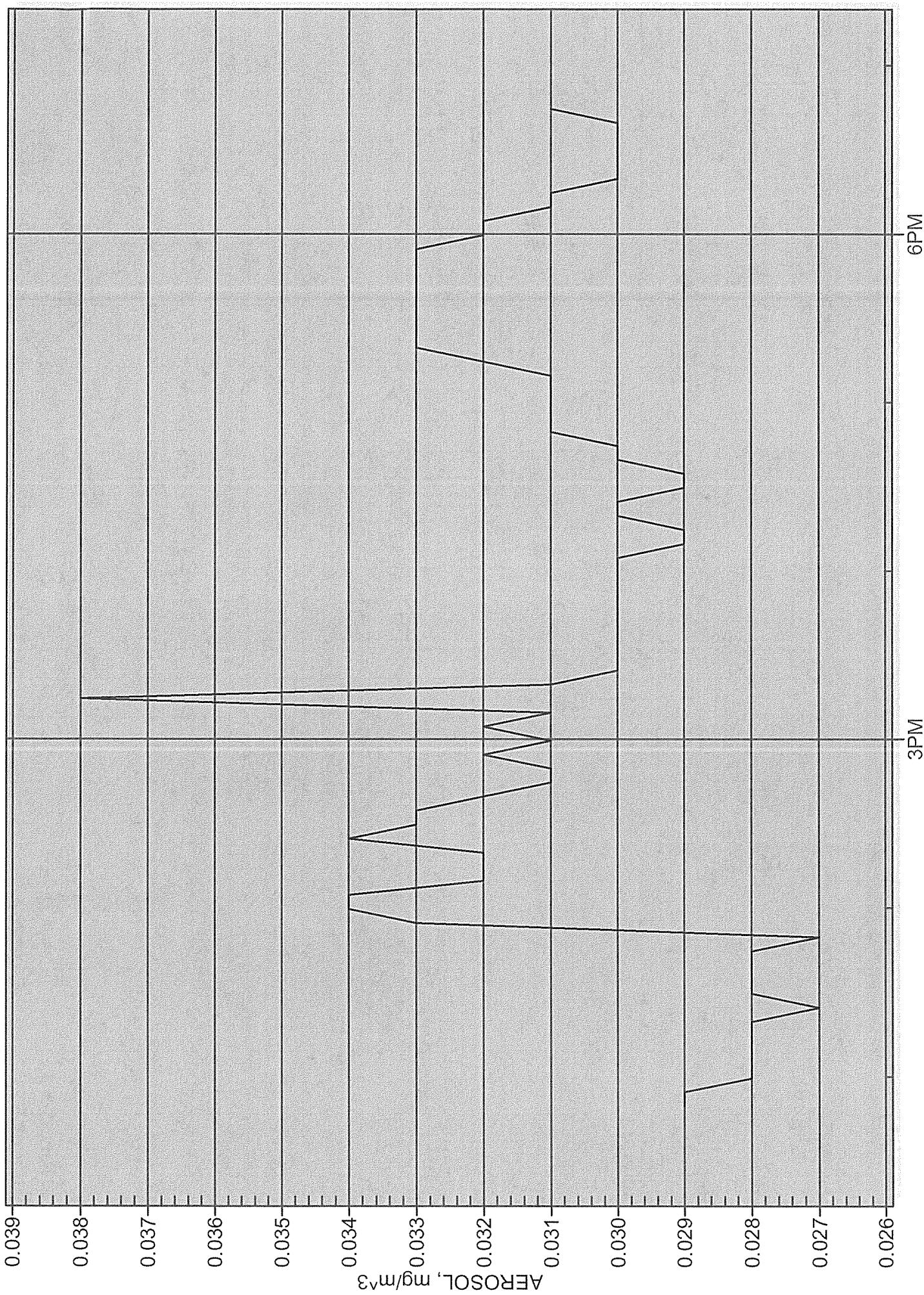
Statistics		AEROSOL
Avg		0.031 mg/m^3
Max		0.038 mg/m^3
Max Date		12/04/2012
Max Time		15:14:30
Min		0.027 mg/m^3
Min Date		12/04/2012
Min Time		13:24:30
TWA (8 hr)		0.023
TWA Start Date		12/04/2012
TWA Start Time		12:44:30
TWA End Time		18:44:30

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
1	12/04/2012	12:49:30	0.029
2	12/04/2012	12:54:30	0.029
3	12/04/2012	12:59:30	0.028
4	12/04/2012	13:04:30	0.028
5	12/04/2012	13:09:30	0.028
6	12/04/2012	13:14:30	0.028
7	12/04/2012	13:19:30	0.028
8	12/04/2012	13:24:30	0.027
9	12/04/2012	13:29:30	0.028
10	12/04/2012	13:34:30	0.028
11	12/04/2012	13:39:30	0.028
12	12/04/2012	13:44:30	0.028
13	12/04/2012	13:49:30	0.027
14	12/04/2012	13:54:30	0.033
15	12/04/2012	13:59:30	0.034
16	12/04/2012	14:04:30	0.034
17	12/04/2012	14:09:30	0.032
18	12/04/2012	14:14:30	0.032
19	12/04/2012	14:19:30	0.032
20	12/04/2012	14:24:30	0.034
21	12/04/2012	14:29:30	0.033

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
22	12/04/2012	14:34:30	0.033
23	12/04/2012	14:39:30	0.032
24	12/04/2012	14:44:30	0.031
25	12/04/2012	14:49:30	0.031
26	12/04/2012	14:54:30	0.032
27	12/04/2012	14:59:30	0.031
28	12/04/2012	15:04:30	0.032
29	12/04/2012	15:09:30	0.031
30	12/04/2012	15:14:30	0.038
31	12/04/2012	15:19:30	0.031
32	12/04/2012	15:24:30	0.030
33	12/04/2012	15:29:30	0.030
34	12/04/2012	15:34:30	0.030
35	12/04/2012	15:39:30	0.030
36	12/04/2012	15:44:30	0.030
37	12/04/2012	15:49:30	0.030
38	12/04/2012	15:54:30	0.030
39	12/04/2012	15:59:30	0.030
40	12/04/2012	16:04:30	0.030
41	12/04/2012	16:09:30	0.029
42	12/04/2012	16:14:30	0.029
43	12/04/2012	16:19:30	0.030
44	12/04/2012	16:24:30	0.030
45	12/04/2012	16:29:30	0.029
46	12/04/2012	16:34:30	0.029
47	12/04/2012	16:39:30	0.030
48	12/04/2012	16:44:30	0.030
49	12/04/2012	16:49:30	0.031
50	12/04/2012	16:54:30	0.031
51	12/04/2012	16:59:30	0.031
52	12/04/2012	17:04:30	0.031
53	12/04/2012	17:09:30	0.031
54	12/04/2012	17:14:30	0.032
55	12/04/2012	17:19:30	0.033
56	12/04/2012	17:24:30	0.033
57	12/04/2012	17:29:30	0.033
58	12/04/2012	17:34:30	0.033
59	12/04/2012	17:39:30	0.033
60	12/04/2012	17:44:30	0.033
61	12/04/2012	17:49:30	0.033
62	12/04/2012	17:54:30	0.033
63	12/04/2012	17:59:30	0.032
64	12/04/2012	18:04:30	0.032
65	12/04/2012	18:09:30	0.031
66	12/04/2012	18:14:30	0.031
67	12/04/2012	18:19:30	0.030

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
68	12/04/2012	18:24:30	0.030
69	12/04/2012	18:29:30	0.030
70	12/04/2012	18:34:30	0.030
71	12/04/2012	18:39:30	0.030
72	12/04/2012	18:44:30	0.031

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Test 011

Instrument		Data Properties	
Model	DustTrak II	Start Date	12/05/2012
Instrument S/N	8530092502	Start Time	08:19:19
		Stop Date	12/05/2012
		Stop Time	14:19:19
		Total Time	0:06:00:00
		Logging Interval	300 seconds

Statistics	
	AEROSOL
Avg	0.009 mg/m ³
Max	0.030 mg/m ³
Max Date	12/05/2012
Max Time	13:19:19
Min	0.003 mg/m ³
Min Date	12/05/2012
Min Time	09:54:19
TWA (8 hr)	0.007
TWA Start Date	12/05/2012
TWA Start Time	08:19:19
TWA End Time	14:19:19

Test 011

Instrument		Data Properties	
Model	DustTrak II	Start Date	12/05/2012
Instrument S/N	8530092502	Start Time	08:19:19
		Stop Date	12/05/2012
		Stop Time	14:19:19
		Total Time	0:06:00:00
		Logging Interval	300 seconds

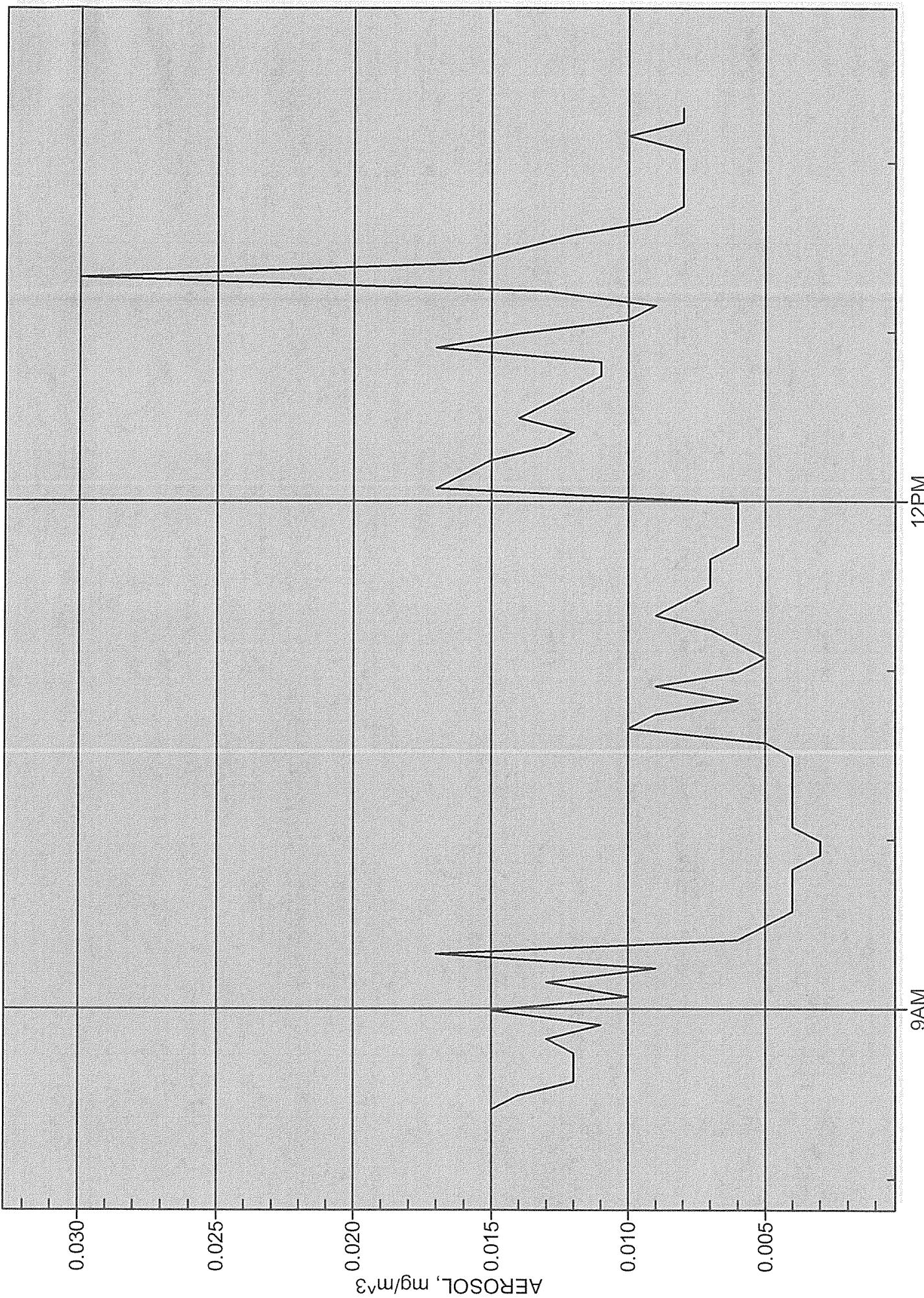
Statistics		AEROSOL
Avg		0.009 mg/m^3
Max		0.030 mg/m^3
Max Date		12/05/2012
Max Time		13:19:19
Min		0.003 mg/m^3
Min Date		12/05/2012
Min Time		09:54:19
TWA (8 hr)		0.007
TWA Start Date		12/05/2012
TWA Start Time		08:19:19
TWA End Time		14:19:19

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
1	12/05/2012	08:24:19	0.015
2	12/05/2012	08:29:19	0.014
3	12/05/2012	08:34:19	0.012
4	12/05/2012	08:39:19	0.012
5	12/05/2012	08:44:19	0.012
6	12/05/2012	08:49:19	0.013
7	12/05/2012	08:54:19	0.011
8	12/05/2012	08:59:19	0.015
9	12/05/2012	09:04:19	0.010
10	12/05/2012	09:09:19	0.013
11	12/05/2012	09:14:19	0.009
12	12/05/2012	09:19:19	0.017
13	12/05/2012	09:24:19	0.006
14	12/05/2012	09:29:19	0.005
15	12/05/2012	09:34:19	0.004
16	12/05/2012	09:39:19	0.004
17	12/05/2012	09:44:19	0.004
18	12/05/2012	09:49:19	0.004
19	12/05/2012	09:54:19	0.003
20	12/05/2012	09:59:19	0.003
21	12/05/2012	10:04:19	0.004

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
22	12/05/2012	10:09:19	0.004
23	12/05/2012	10:14:19	0.004
24	12/05/2012	10:19:19	0.004
25	12/05/2012	10:24:19	0.004
26	12/05/2012	10:29:19	0.004
27	12/05/2012	10:34:19	0.005
28	12/05/2012	10:39:19	0.010
29	12/05/2012	10:44:19	0.009
30	12/05/2012	10:49:19	0.006
31	12/05/2012	10:54:19	0.009
32	12/05/2012	10:59:19	0.006
33	12/05/2012	11:04:19	0.005
34	12/05/2012	11:09:19	0.006
35	12/05/2012	11:14:19	0.007
36	12/05/2012	11:19:19	0.009
37	12/05/2012	11:24:19	0.008
38	12/05/2012	11:29:19	0.007
39	12/05/2012	11:34:19	0.007
40	12/05/2012	11:39:19	0.007
41	12/05/2012	11:44:19	0.006
42	12/05/2012	11:49:19	0.006
43	12/05/2012	11:54:19	0.006
44	12/05/2012	11:59:19	0.006
45	12/05/2012	12:04:19	0.017
46	12/05/2012	12:09:19	0.016
47	12/05/2012	12:14:19	0.015
48	12/05/2012	12:19:19	0.013
49	12/05/2012	12:24:19	0.012
50	12/05/2012	12:29:19	0.014
51	12/05/2012	12:34:19	0.013
52	12/05/2012	12:39:19	0.012
53	12/05/2012	12:44:19	0.011
54	12/05/2012	12:49:19	0.011
55	12/05/2012	12:54:19	0.017
56	12/05/2012	12:59:19	0.014
57	12/05/2012	13:04:19	0.010
58	12/05/2012	13:09:19	0.009
59	12/05/2012	13:14:19	0.013
60	12/05/2012	13:19:19	0.030
61	12/05/2012	13:24:19	0.016
62	12/05/2012	13:29:19	0.014
63	12/05/2012	13:34:19	0.012
64	12/05/2012	13:39:19	0.009
65	12/05/2012	13:44:19	0.008
66	12/05/2012	13:49:19	0.008
67	12/05/2012	13:54:19	0.008

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
68	12/05/2012	13:59:19	0.008
69	12/05/2012	14:04:19	0.008
70	12/05/2012	14:09:19	0.010
71	12/05/2012	14:14:19	0.008
72	12/05/2012	14:19:19	0.008

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Test 012

Instrument		Data Properties	
Model	DustTrak II	Start Date	12/06/2012
Instrument S/N	8530092502	Start Time	08:20:35
		Stop Date	12/06/2012
		Stop Time	14:20:35
		Total Time	0:06:00:00
		Logging Interval	300 seconds

Statistics	
	AEROSOL
Avg	0.010 mg/m ³
Max	0.025 mg/m ³
Max Date	12/06/2012
Max Time	09:15:35
Min	0.005 mg/m ³
Min Date	12/06/2012
Min Time	10:35:35
TWA (8 hr)	0.007
TWA Start Date	12/06/2012
TWA Start Time	08:20:35
TWA End Time	14:20:35

Test 012

Instrument		Data Properties	
Model	DustTrak II	Start Date	12/06/2012
Instrument S/N	8530092502	Start Time	08:20:35
		Stop Date	12/06/2012
		Stop Time	14:20:35
		Total Time	0:06:00:00
		Logging Interval	300 seconds

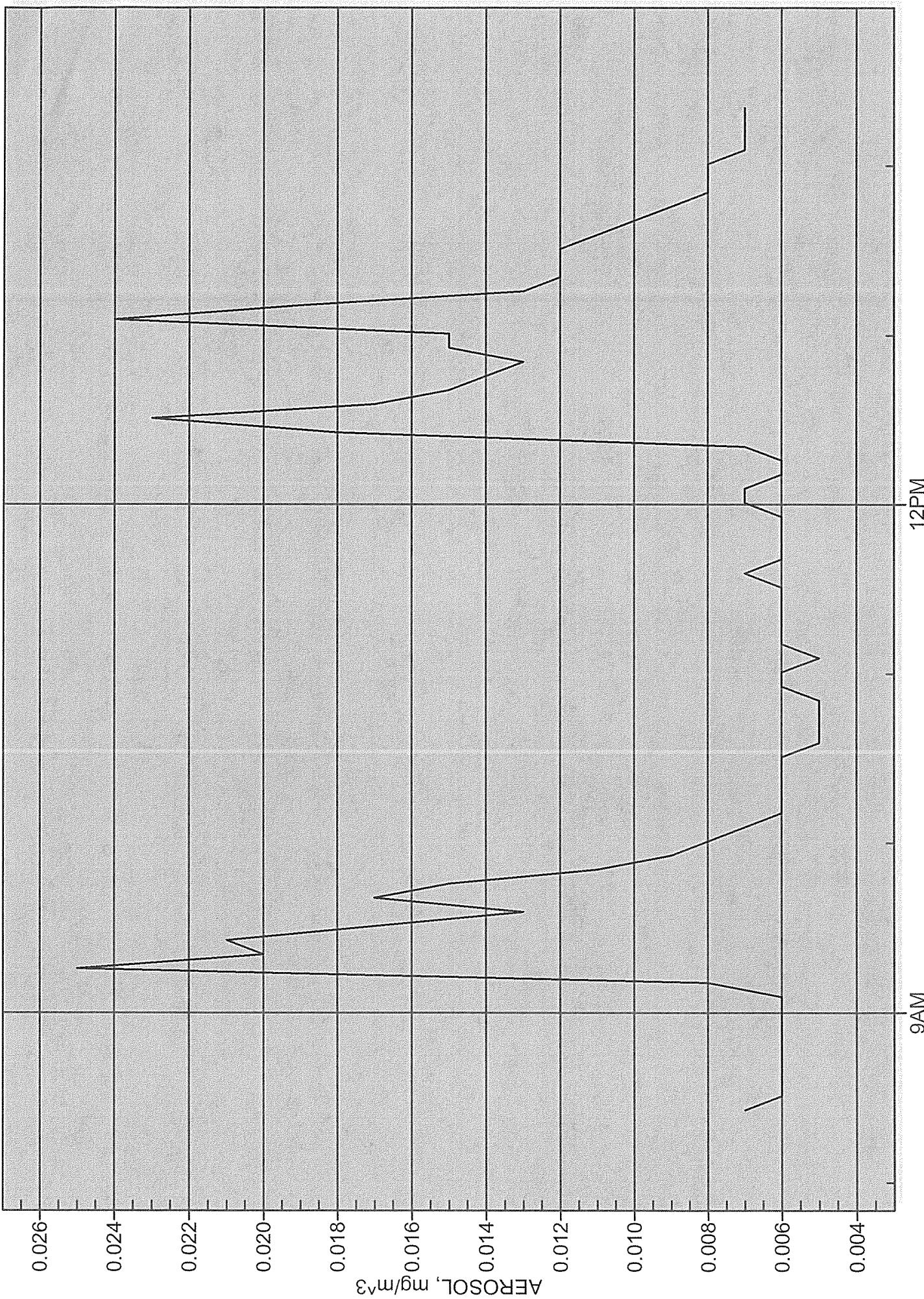
Statistics		AEROSOL
Avg		0.010 mg/m^3
Max		0.025 mg/m^3
Max Date		12/06/2012
Max Time		09:15:35
Min		0.005 mg/m^3
Min Date		12/06/2012
Min Time		10:35:35
TWA (8 hr)		0.007
TWA Start Date		12/06/2012
TWA Start Time		08:20:35
TWA End Time		14:20:35

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
1	12/06/2012	08:25:35	0.007
2	12/06/2012	08:30:35	0.006
3	12/06/2012	08:35:35	0.006
4	12/06/2012	08:40:35	0.006
5	12/06/2012	08:45:35	0.006
6	12/06/2012	08:50:35	0.006
7	12/06/2012	08:55:35	0.006
8	12/06/2012	09:00:35	0.006
9	12/06/2012	09:05:35	0.006
10	12/06/2012	09:10:35	0.008
11	12/06/2012	09:15:35	0.025
12	12/06/2012	09:20:35	0.020
13	12/06/2012	09:25:35	0.021
14	12/06/2012	09:30:35	0.017
15	12/06/2012	09:35:35	0.013
16	12/06/2012	09:40:35	0.017
17	12/06/2012	09:45:35	0.015
18	12/06/2012	09:50:35	0.011
19	12/06/2012	09:55:35	0.009
20	12/06/2012	10:00:35	0.008
21	12/06/2012	10:05:35	0.007

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
22	12/06/2012	10:10:35	0.006
23	12/06/2012	10:15:35	0.006
24	12/06/2012	10:20:35	0.006
25	12/06/2012	10:25:35	0.006
26	12/06/2012	10:30:35	0.006
27	12/06/2012	10:35:35	0.005
28	12/06/2012	10:40:35	0.005
29	12/06/2012	10:45:35	0.005
30	12/06/2012	10:50:35	0.005
31	12/06/2012	10:55:35	0.006
32	12/06/2012	11:00:35	0.006
33	12/06/2012	11:05:35	0.005
34	12/06/2012	11:10:35	0.006
35	12/06/2012	11:15:35	0.006
36	12/06/2012	11:20:35	0.006
37	12/06/2012	11:25:35	0.006
38	12/06/2012	11:30:35	0.006
39	12/06/2012	11:35:35	0.007
40	12/06/2012	11:40:35	0.006
41	12/06/2012	11:45:35	0.006
42	12/06/2012	11:50:35	0.006
43	12/06/2012	11:55:35	0.006
44	12/06/2012	12:00:35	0.007
45	12/06/2012	12:05:35	0.007
46	12/06/2012	12:10:35	0.006
47	12/06/2012	12:15:35	0.006
48	12/06/2012	12:20:35	0.007
49	12/06/2012	12:25:35	0.018
50	12/06/2012	12:30:35	0.023
51	12/06/2012	12:35:35	0.017
52	12/06/2012	12:40:35	0.015
53	12/06/2012	12:45:35	0.014
54	12/06/2012	12:50:35	0.013
55	12/06/2012	12:55:35	0.015
56	12/06/2012	13:00:35	0.015
57	12/06/2012	13:05:35	0.024
58	12/06/2012	13:10:35	0.019
59	12/06/2012	13:15:35	0.013
60	12/06/2012	13:20:35	0.012
61	12/06/2012	13:25:35	0.012
62	12/06/2012	13:30:35	0.012
63	12/06/2012	13:35:35	0.011
64	12/06/2012	13:40:35	0.010
65	12/06/2012	13:45:35	0.009
66	12/06/2012	13:50:35	0.008
67	12/06/2012	13:55:35	0.008

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
68	12/06/2012	14:00:35	0.008
69	12/06/2012	14:05:35	0.007
70	12/06/2012	14:10:35	0.007
71	12/06/2012	14:15:35	0.007
72	12/06/2012	14:20:35	0.007

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Test 013

Instrument		Data Properties	
Model	DustTrak II	Start Date	12/07/2012
Instrument S/N	8530092502	Start Time	08:20:49
		Stop Date	12/07/2012
		Stop Time	14:20:49
		Total Time	0:06:00:00
		Logging Interval	300 seconds

Statistics	
	AEROSOL
Avg	0.024 mg/m^3
Max	0.034 mg/m^3
Max Date	12/07/2012
Max Time	09:10:49
Min	0.019 mg/m^3
Min Date	12/07/2012
Min Time	11:15:49
TWA (8 hr)	0.018
TWA Start Date	12/07/2012
TWA Start Time	08:20:49
TWA End Time	14:20:49

Test 013

Instrument		Data Properties	
Model	DustTrak II	Start Date	12/07/2012
Instrument S/N	8530092502	Start Time	08:20:49
		Stop Date	12/07/2012
		Stop Time	14:20:49
		Total Time	0:06:00:00
		Logging Interval	300 seconds

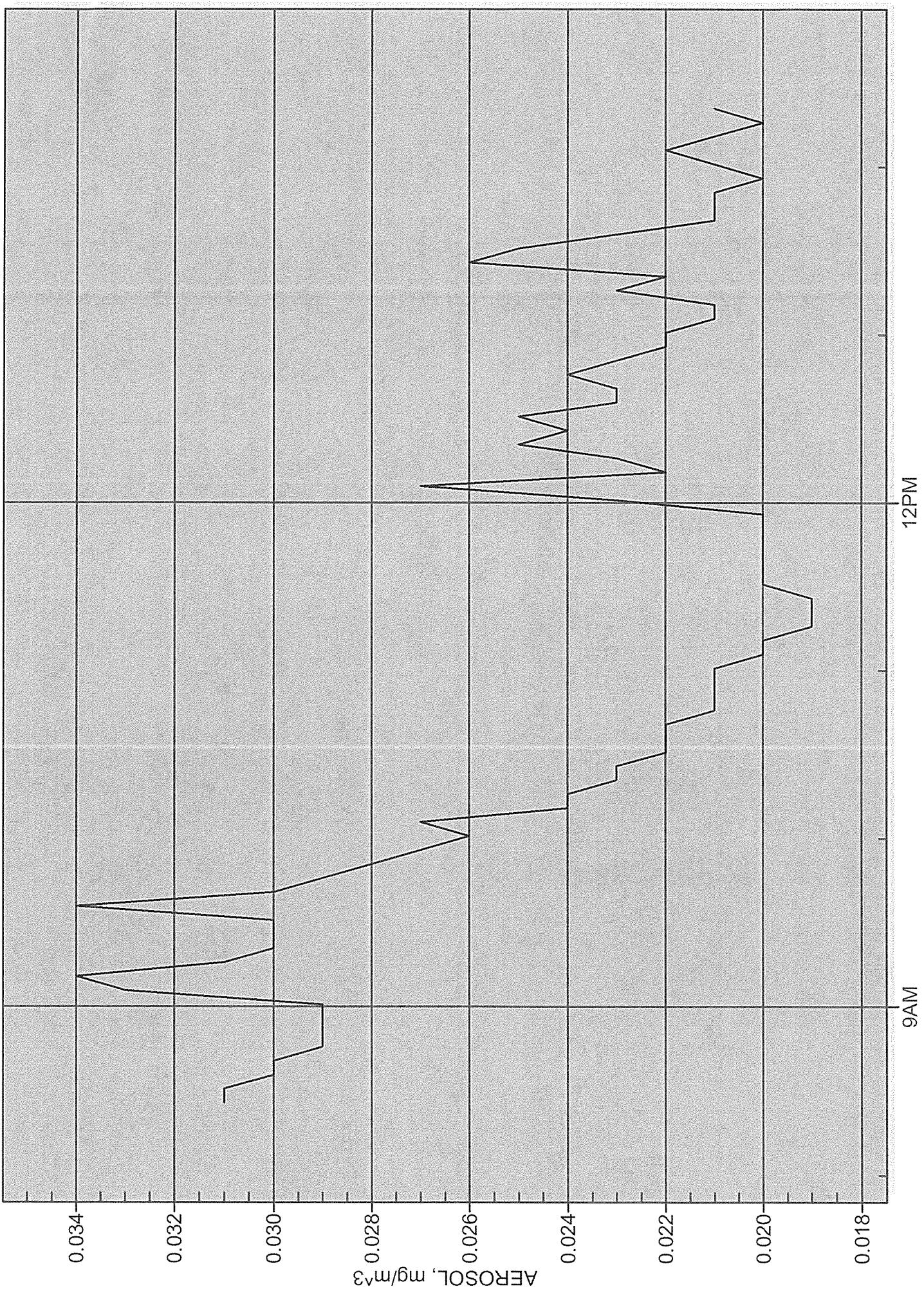
Statistics		AEROSOL
Avg		0.024 mg/m ³
Max		0.034 mg/m ³
Max Date		12/07/2012
Max Time		09:10:49
Min		0.019 mg/m ³
Min Date		12/07/2012
Min Time		11:15:49
TWA (8 hr)		0.018
TWA Start Date		12/07/2012
TWA Start Time		08:20:49
TWA End Time		14:20:49

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
1	12/07/2012	08:25:49	0.031
2	12/07/2012	08:30:49	0.031
3	12/07/2012	08:35:49	0.030
4	12/07/2012	08:40:49	0.030
5	12/07/2012	08:45:49	0.029
6	12/07/2012	08:50:49	0.029
7	12/07/2012	08:55:49	0.029
8	12/07/2012	09:00:49	0.029
9	12/07/2012	09:05:49	0.033
10	12/07/2012	09:10:49	0.034
11	12/07/2012	09:15:49	0.031
12	12/07/2012	09:20:49	0.030
13	12/07/2012	09:25:49	0.030
14	12/07/2012	09:30:49	0.030
15	12/07/2012	09:35:49	0.034
16	12/07/2012	09:40:49	0.030
17	12/07/2012	09:45:49	0.029
18	12/07/2012	09:50:49	0.028
19	12/07/2012	09:55:49	0.027
20	12/07/2012	10:00:49	0.026
21	12/07/2012	10:05:49	0.027

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
22	12/07/2012	10:10:49	0.024
23	12/07/2012	10:15:49	0.024
24	12/07/2012	10:20:49	0.023
25	12/07/2012	10:25:49	0.023
26	12/07/2012	10:30:49	0.022
27	12/07/2012	10:35:49	0.022
28	12/07/2012	10:40:49	0.022
29	12/07/2012	10:45:49	0.021
30	12/07/2012	10:50:49	0.021
31	12/07/2012	10:55:49	0.021
32	12/07/2012	11:00:49	0.021
33	12/07/2012	11:05:49	0.020
34	12/07/2012	11:10:49	0.020
35	12/07/2012	11:15:49	0.019
36	12/07/2012	11:20:49	0.019
37	12/07/2012	11:25:49	0.019
38	12/07/2012	11:30:49	0.020
39	12/07/2012	11:35:49	0.020
40	12/07/2012	11:40:49	0.020
41	12/07/2012	11:45:49	0.020
42	12/07/2012	11:50:49	0.020
43	12/07/2012	11:55:49	0.020
44	12/07/2012	12:00:49	0.023
45	12/07/2012	12:05:49	0.027
46	12/07/2012	12:10:49	0.022
47	12/07/2012	12:15:49	0.023
48	12/07/2012	12:20:49	0.025
49	12/07/2012	12:25:49	0.024
50	12/07/2012	12:30:49	0.025
51	12/07/2012	12:35:49	0.023
52	12/07/2012	12:40:49	0.023
53	12/07/2012	12:45:49	0.024
54	12/07/2012	12:50:49	0.023
55	12/07/2012	12:55:49	0.022
56	12/07/2012	13:00:49	0.022
57	12/07/2012	13:05:49	0.021
58	12/07/2012	13:10:49	0.021
59	12/07/2012	13:15:49	0.023
60	12/07/2012	13:20:49	0.022
61	12/07/2012	13:25:49	0.026
62	12/07/2012	13:30:49	0.025
63	12/07/2012	13:35:49	0.023
64	12/07/2012	13:40:49	0.021
65	12/07/2012	13:45:49	0.021
66	12/07/2012	13:50:49	0.021
67	12/07/2012	13:55:49	0.020

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
68	12/07/2012	14:00:49	0.021
69	12/07/2012	14:05:49	0.022
70	12/07/2012	14:10:49	0.021
71	12/07/2012	14:15:49	0.020
72	12/07/2012	14:20:49	0.021

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Test 014

Instrument		Data Properties	
Model	DustTrak II	Start Date	12/10/2012
Instrument S/N	8530092502	Start Time	08:20:59
		Stop Date	12/10/2012
		Stop Time	14:20:59
		Total Time	0:06:00:00
		Logging Interval	300 seconds

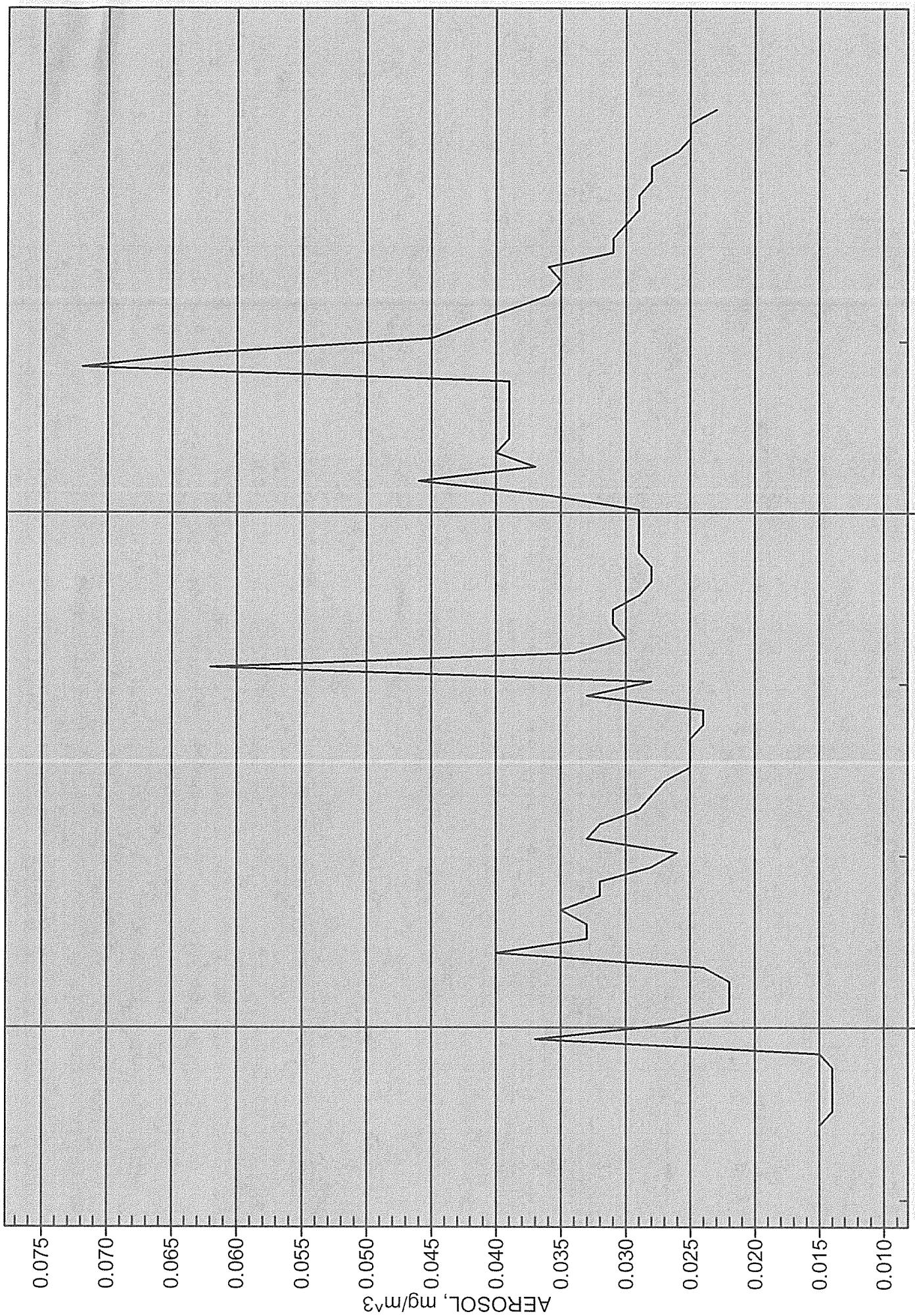
Statistics		AEROSOL
Avg		0.031 mg/m ³
Max		0.072 mg/m ³
Max Date		12/10/2012
Max Time		12:50:59
Min		0.014 mg/m ³
Min Date		12/10/2012
Min Time		08:30:59
TWA (8 hr)		0.023
TWA Start Date		12/10/2012
TWA Start Time		08:20:59
TWA End Time		14:20:59

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
1	12/10/2012	08:25:59	0.015
2	12/10/2012	08:30:59	0.014
3	12/10/2012	08:35:59	0.014
4	12/10/2012	08:40:59	0.014
5	12/10/2012	08:45:59	0.014
6	12/10/2012	08:50:59	0.015
7	12/10/2012	08:55:59	0.037
8	12/10/2012	09:00:59	0.027
9	12/10/2012	09:05:59	0.022
10	12/10/2012	09:10:59	0.022
11	12/10/2012	09:15:59	0.022
12	12/10/2012	09:20:59	0.024
13	12/10/2012	09:25:59	0.040
14	12/10/2012	09:30:59	0.033
15	12/10/2012	09:35:59	0.033
16	12/10/2012	09:40:59	0.035
17	12/10/2012	09:45:59	0.032
18	12/10/2012	09:50:59	0.032
19	12/10/2012	09:55:59	0.028
20	12/10/2012	10:00:59	0.026
21	12/10/2012	10:05:59	0.033

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
22	12/10/2012	10:10:59	0.032
23	12/10/2012	10:15:59	0.029
24	12/10/2012	10:20:59	0.028
25	12/10/2012	10:25:59	0.027
26	12/10/2012	10:30:59	0.025
27	12/10/2012	10:35:59	0.025
28	12/10/2012	10:40:59	0.025
29	12/10/2012	10:45:59	0.024
30	12/10/2012	10:50:59	0.024
31	12/10/2012	10:55:59	0.033
32	12/10/2012	11:00:59	0.028
33	12/10/2012	11:05:59	0.062
34	12/10/2012	11:10:59	0.034
35	12/10/2012	11:15:59	0.030
36	12/10/2012	11:20:59	0.031
37	12/10/2012	11:25:59	0.031
38	12/10/2012	11:30:59	0.029
39	12/10/2012	11:35:59	0.028
40	12/10/2012	11:40:59	0.028
41	12/10/2012	11:45:59	0.029
42	12/10/2012	11:50:59	0.029
43	12/10/2012	11:55:59	0.029
44	12/10/2012	12:00:59	0.029
45	12/10/2012	12:05:59	0.036
46	12/10/2012	12:10:59	0.046
47	12/10/2012	12:15:59	0.037
48	12/10/2012	12:20:59	0.040
49	12/10/2012	12:25:59	0.039
50	12/10/2012	12:30:59	0.039
51	12/10/2012	12:35:59	0.039
52	12/10/2012	12:40:59	0.039
53	12/10/2012	12:45:59	0.039
54	12/10/2012	12:50:59	0.072
55	12/10/2012	12:55:59	0.062
56	12/10/2012	13:00:59	0.045
57	12/10/2012	13:05:59	0.042
58	12/10/2012	13:10:59	0.039
59	12/10/2012	13:15:59	0.036
60	12/10/2012	13:20:59	0.035
61	12/10/2012	13:25:59	0.036
62	12/10/2012	13:30:59	0.031
63	12/10/2012	13:35:59	0.031
64	12/10/2012	13:40:59	0.030
65	12/10/2012	13:45:59	0.029
66	12/10/2012	13:50:59	0.029
67	12/10/2012	13:55:59	0.028

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
68	12/10/2012	14:00:59	0.028
69	12/10/2012	14:05:59	0.026
70	12/10/2012	14:10:59	0.025
71	12/10/2012	14:15:59	0.025
72	12/10/2012	14:20:59	0.023

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Test 015

Instrument		Data Properties	
Model	DustTrak II	Start Date	12/11/2012
Instrument S/N	8530092502	Start Time	09:27:28
		Stop Date	12/11/2012
		Stop Time	15:27:28
		Total Time	0:06:00:00
		Logging Interval	300 seconds

Statistics	
	AEROSOL
Avg	0.009 mg/m ³
Max	0.022 mg/m ³
Max Date	12/11/2012
Max Time	15:12:28
Min	0.006 mg/m ³
Min Date	12/11/2012
Min Time	10:47:28
TWA (8 hr)	0.007
TWA Start Date	12/11/2012
TWA Start Time	09:27:28
TWA End Time	15:27:28

Test 015

Instrument		Data Properties	
Model	DustTrak II	Start Date	12/11/2012
Instrument S/N	8530092502	Start Time	09:27:28
		Stop Date	12/11/2012
		Stop Time	15:27:28
		Total Time	0:06:00:00
		Logging Interval	300 seconds

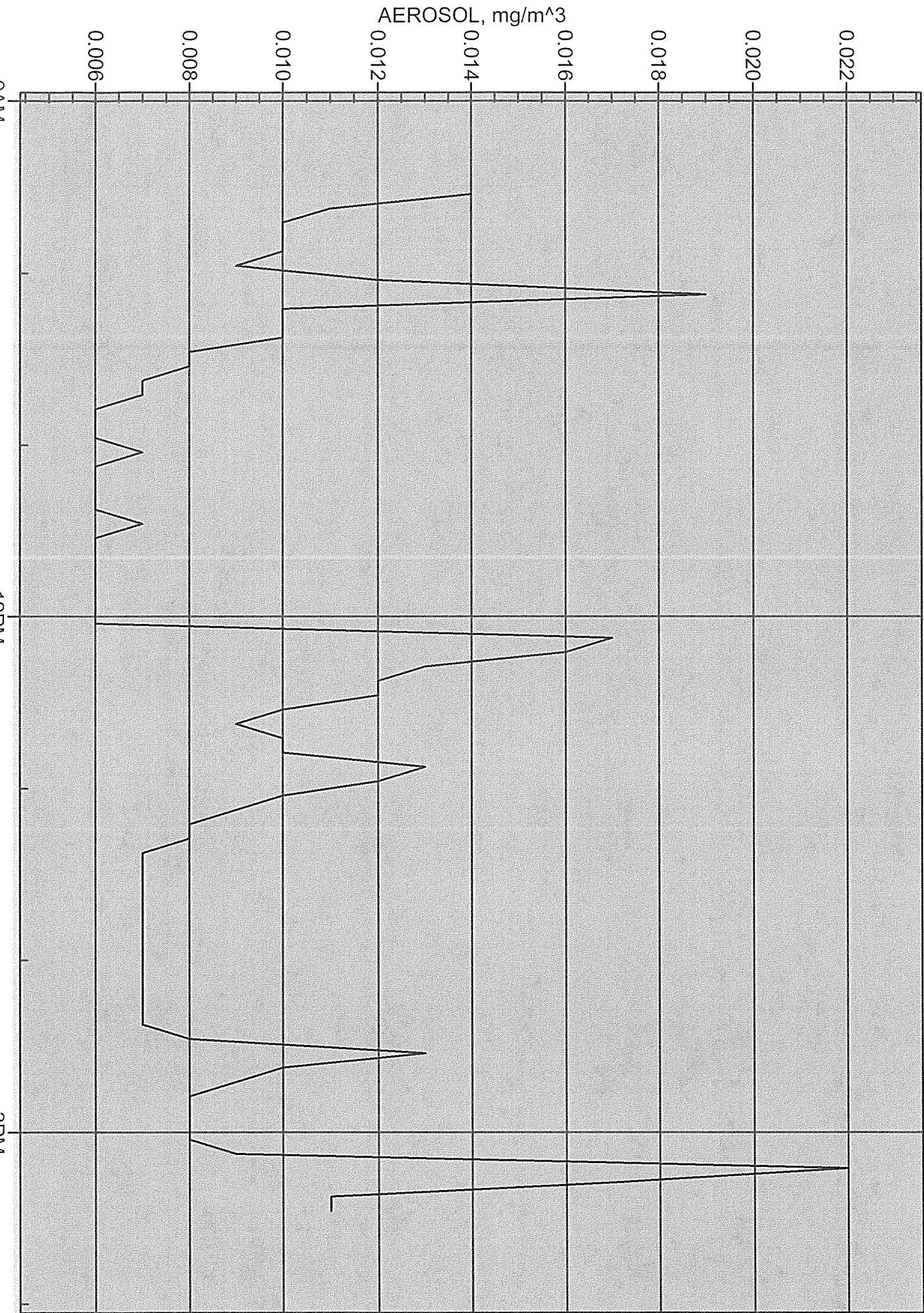
Statistics		AEROSOL
Avg		0.009 mg/m^3
Max		0.022 mg/m^3
Max Date		12/11/2012
Max Time		15:12:28
Min		0.006 mg/m^3
Min Date		12/11/2012
Min Time		10:47:28
TWA (8 hr)		0.007
TWA Start Date		12/11/2012
TWA Start Time		09:27:28
TWA End Time		15:27:28

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
1	12/11/2012	09:32:28	0.014
2	12/11/2012	09:37:28	0.011
3	12/11/2012	09:42:28	0.010
4	12/11/2012	09:47:28	0.010
5	12/11/2012	09:52:28	0.010
6	12/11/2012	09:57:28	0.009
7	12/11/2012	10:02:28	0.012
8	12/11/2012	10:07:28	0.019
9	12/11/2012	10:12:28	0.010
10	12/11/2012	10:17:28	0.010
11	12/11/2012	10:22:28	0.010
12	12/11/2012	10:27:28	0.008
13	12/11/2012	10:32:28	0.008
14	12/11/2012	10:37:28	0.007
15	12/11/2012	10:42:28	0.007
16	12/11/2012	10:47:28	0.006
17	12/11/2012	10:52:28	0.006
18	12/11/2012	10:57:28	0.006
19	12/11/2012	11:02:28	0.007
20	12/11/2012	11:07:28	0.006
21	12/11/2012	11:12:28	0.006

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
22	12/11/2012	11:17:28	0.006
23	12/11/2012	11:22:28	0.006
24	12/11/2012	11:27:28	0.007
25	12/11/2012	11:32:28	0.006
26	12/11/2012	11:37:28	0.006
27	12/11/2012	11:42:28	0.006
28	12/11/2012	11:47:28	0.006
29	12/11/2012	11:52:28	0.006
30	12/11/2012	11:57:28	0.006
31	12/11/2012	12:02:28	0.006
32	12/11/2012	12:07:28	0.017
33	12/11/2012	12:12:28	0.016
34	12/11/2012	12:17:28	0.013
35	12/11/2012	12:22:28	0.012
36	12/11/2012	12:27:28	0.012
37	12/11/2012	12:32:28	0.010
38	12/11/2012	12:37:28	0.009
39	12/11/2012	12:42:28	0.010
40	12/11/2012	12:47:28	0.010
41	12/11/2012	12:52:28	0.013
42	12/11/2012	12:57:28	0.012
43	12/11/2012	13:02:28	0.010
44	12/11/2012	13:07:28	0.009
45	12/11/2012	13:12:28	0.008
46	12/11/2012	13:17:28	0.008
47	12/11/2012	13:22:28	0.007
48	12/11/2012	13:27:28	0.007
49	12/11/2012	13:32:28	0.007
50	12/11/2012	13:37:28	0.007
51	12/11/2012	13:42:28	0.007
52	12/11/2012	13:47:28	0.007
53	12/11/2012	13:52:28	0.007
54	12/11/2012	13:57:28	0.007
55	12/11/2012	14:02:28	0.007
56	12/11/2012	14:07:28	0.007
57	12/11/2012	14:12:28	0.007
58	12/11/2012	14:17:28	0.007
59	12/11/2012	14:22:28	0.007
60	12/11/2012	14:27:28	0.008
61	12/11/2012	14:32:28	0.013
62	12/11/2012	14:37:28	0.010
63	12/11/2012	14:42:28	0.009
64	12/11/2012	14:47:28	0.008
65	12/11/2012	14:52:28	0.008
66	12/11/2012	14:57:28	0.008
67	12/11/2012	15:02:28	0.008

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
68	12/11/2012	15:07:28	0.009
69	12/11/2012	15:12:28	0.022
70	12/11/2012	15:17:28	0.017
71	12/11/2012	15:22:28	0.011
72	12/11/2012	15:27:28	0.011

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Test 016

Instrument		Data Properties	
Model	DustTrak II	Start Date	12/12/2012
Instrument S/N	8530092502	Start Time	08:24:29
		Stop Date	12/12/2012
		Stop Time	14:24:29
		Total Time	0:06:00:00
		Logging Interval	300 seconds

Statistics	
	AEROSOL
Avg	0.014 mg/m^3
Max	0.025 mg/m^3
Max Date	12/12/2012
Max Time	09:14:29
Min	0.009 mg/m^3
Min Date	12/12/2012
Min Time	11:54:29
TWA (8 hr)	0.010
TWA Start Date	12/12/2012
TWA Start Time	08:24:29
TWA End Time	14:24:29

Test 016

Instrument		Data Properties	
Model	DustTrak II	Start Date	12/12/2012
Instrument S/N	8530092502	Start Time	08:24:29
		Stop Date	12/12/2012
		Stop Time	14:24:29
		Total Time	0:06:00:00
		Logging Interval	300 seconds

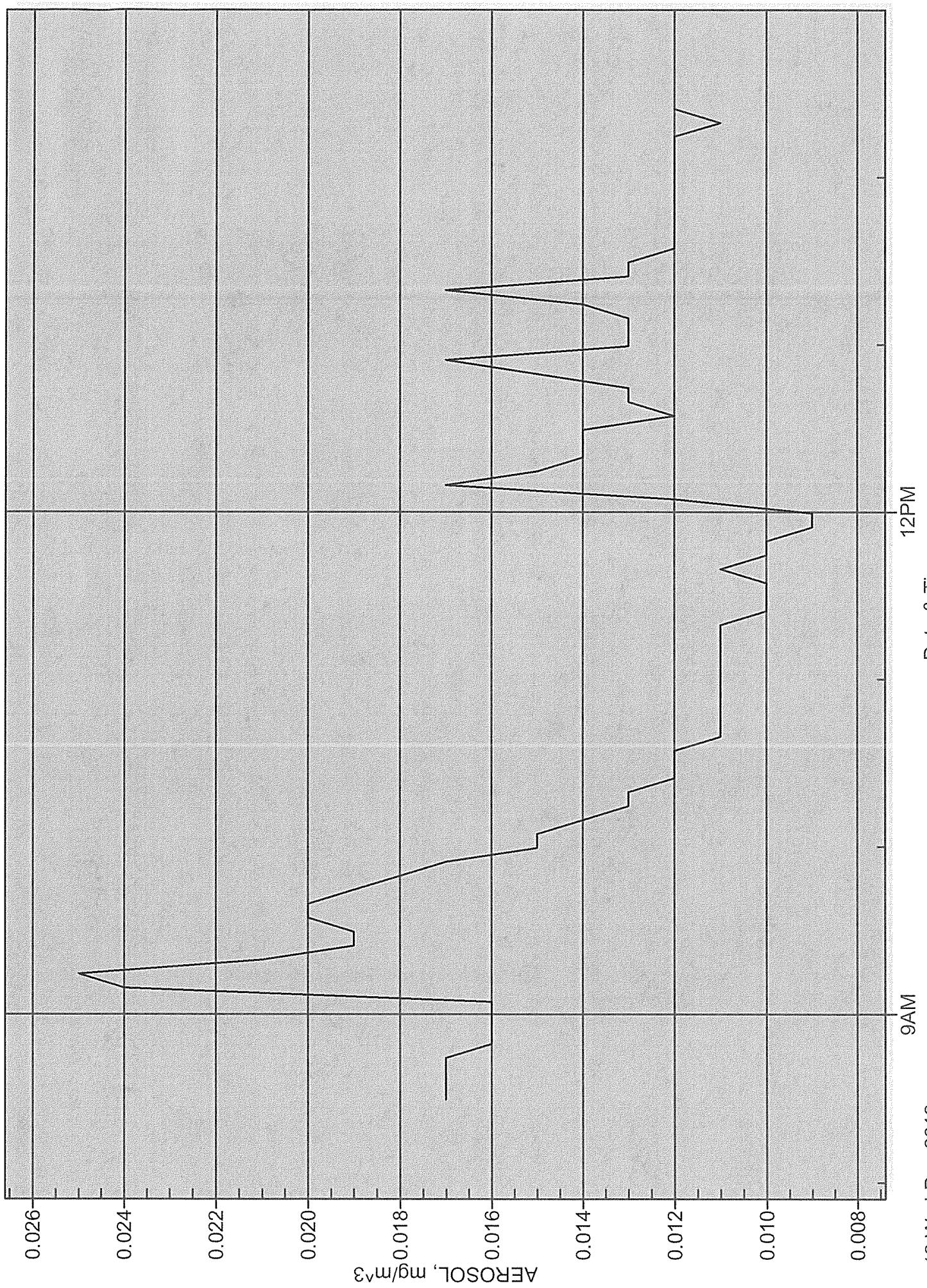
Statistics		AEROSOL
Avg		0.014 mg/m ³
Max		0.025 mg/m ³
Max Date		12/12/2012
Max Time		09:14:29
Min		0.009 mg/m ³
Min Date		12/12/2012
Min Time		11:54:29
TWA (8 hr)		0.010
TWA Start Date		12/12/2012
TWA Start Time		08:24:29
TWA End Time		14:24:29

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
1	12/12/2012	08:29:29	0.017
2	12/12/2012	08:34:29	0.017
3	12/12/2012	08:39:29	0.017
4	12/12/2012	08:44:29	0.017
5	12/12/2012	08:49:29	0.016
6	12/12/2012	08:54:29	0.016
7	12/12/2012	08:59:29	0.016
8	12/12/2012	09:04:29	0.016
9	12/12/2012	09:09:29	0.024
10	12/12/2012	09:14:29	0.025
11	12/12/2012	09:19:29	0.021
12	12/12/2012	09:24:29	0.019
13	12/12/2012	09:29:29	0.019
14	12/12/2012	09:34:29	0.020
15	12/12/2012	09:39:29	0.020
16	12/12/2012	09:44:29	0.019
17	12/12/2012	09:49:29	0.018
18	12/12/2012	09:54:29	0.017
19	12/12/2012	09:59:29	0.015
20	12/12/2012	10:04:29	0.015
21	12/12/2012	10:09:29	0.014

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
22	12/12/2012	10:14:29	0.013
23	12/12/2012	10:19:29	0.013
24	12/12/2012	10:24:29	0.012
25	12/12/2012	10:29:29	0.012
26	12/12/2012	10:34:29	0.012
27	12/12/2012	10:39:29	0.011
28	12/12/2012	10:44:29	0.011
29	12/12/2012	10:49:29	0.011
30	12/12/2012	10:54:29	0.011
31	12/12/2012	10:59:29	0.011
32	12/12/2012	11:04:29	0.011
33	12/12/2012	11:09:29	0.011
34	12/12/2012	11:14:29	0.011
35	12/12/2012	11:19:29	0.011
36	12/12/2012	11:24:29	0.010
37	12/12/2012	11:29:29	0.010
38	12/12/2012	11:34:29	0.010
39	12/12/2012	11:39:29	0.011
40	12/12/2012	11:44:29	0.010
41	12/12/2012	11:49:29	0.010
42	12/12/2012	11:54:29	0.009
43	12/12/2012	11:59:29	0.009
44	12/12/2012	12:04:29	0.012
45	12/12/2012	12:09:29	0.017
46	12/12/2012	12:14:29	0.015
47	12/12/2012	12:19:29	0.014
48	12/12/2012	12:24:29	0.014
49	12/12/2012	12:29:29	0.014
50	12/12/2012	12:34:29	0.012
51	12/12/2012	12:39:29	0.013
52	12/12/2012	12:44:29	0.013
53	12/12/2012	12:49:29	0.015
54	12/12/2012	12:54:29	0.017
55	12/12/2012	12:59:29	0.013
56	12/12/2012	13:04:29	0.013
57	12/12/2012	13:09:29	0.013
58	12/12/2012	13:14:29	0.014
59	12/12/2012	13:19:29	0.017
60	12/12/2012	13:24:29	0.013
61	12/12/2012	13:29:29	0.013
62	12/12/2012	13:34:29	0.012
63	12/12/2012	13:39:29	0.012
64	12/12/2012	13:44:29	0.012
65	12/12/2012	13:49:29	0.012
66	12/12/2012	13:54:29	0.012
67	12/12/2012	13:59:29	0.012

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
68	12/12/2012	14:04:29	0.012
69	12/12/2012	14:09:29	0.012
70	12/12/2012	14:14:29	0.012
71	12/12/2012	14:19:29	0.011
72	12/12/2012	14:24:29	0.012

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Test 017

Instrument		Data Properties	
Model	DustTrak II	Start Date	12/13/2012
Instrument S/N	8530092502	Start Time	10:20:16
		Stop Date	12/13/2012
		Stop Time	16:20:16
		Total Time	0:06:00:00
		Logging Interval	300 seconds

Statistics	
	AEROSOL
Avg	0.018 mg/m ³
Max	0.031 mg/m ³
Max Date	12/13/2012
Max Time	15:25:16
Min	0.015 mg/m ³
Min Date	12/13/2012
Min Time	14:40:16
TWA (8 hr)	0.014
TWA Start Date	12/13/2012
TWA Start Time	10:20:16
TWA End Time	16:20:16

Test 017

Instrument		Data Properties	
Model	DustTrak II	Start Date	12/13/2012
Instrument S/N	8530092502	Start Time	10:20:16
		Stop Date	12/13/2012
		Stop Time	16:20:16
		Total Time	0:06:00:00
		Logging Interval	300 seconds

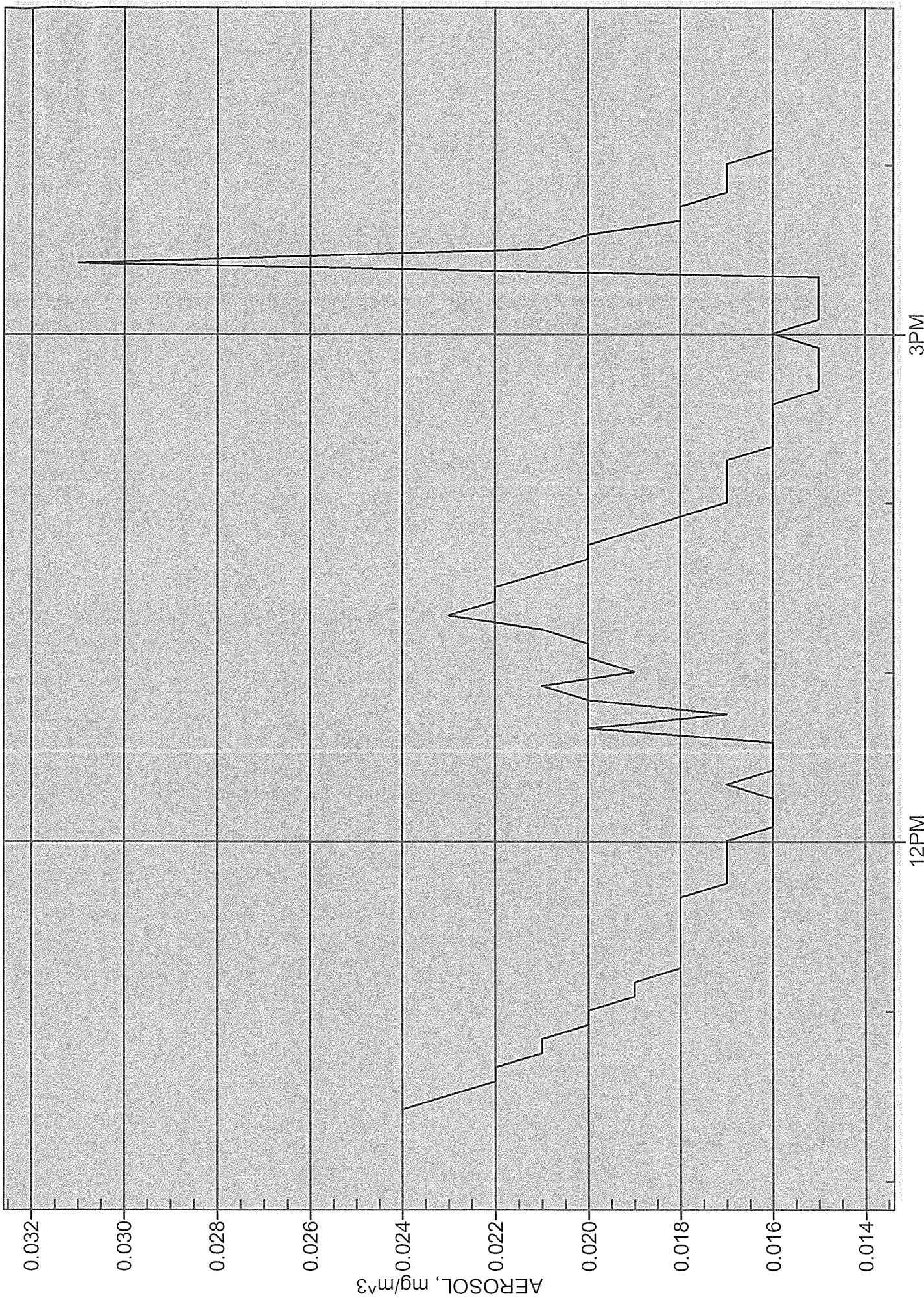
Statistics	
AEROSOL	
Avg	0.018 mg/m ³
Max	0.031 mg/m ³
Max Date	12/13/2012
Max Time	15:25:16
Min	0.015 mg/m ³
Min Date	12/13/2012
Min Time	14:40:16
TWA (8 hr)	0.014
TWA Start Date	12/13/2012
TWA Start Time	10:20:16
TWA End Time	16:20:16

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
1	12/13/2012	10:25:16	0.024
2	12/13/2012	10:30:16	0.023
3	12/13/2012	10:35:16	0.022
4	12/13/2012	10:40:16	0.022
5	12/13/2012	10:45:16	0.021
6	12/13/2012	10:50:16	0.021
7	12/13/2012	10:55:16	0.020
8	12/13/2012	11:00:16	0.020
9	12/13/2012	11:05:16	0.019
10	12/13/2012	11:10:16	0.019
11	12/13/2012	11:15:16	0.018
12	12/13/2012	11:20:16	0.018
13	12/13/2012	11:25:16	0.018
14	12/13/2012	11:30:16	0.018
15	12/13/2012	11:35:16	0.018
16	12/13/2012	11:40:16	0.018
17	12/13/2012	11:45:16	0.017
18	12/13/2012	11:50:16	0.017
19	12/13/2012	11:55:16	0.017
20	12/13/2012	12:00:16	0.017
21	12/13/2012	12:05:16	0.016

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
22	12/13/2012	12:10:16	0.016
23	12/13/2012	12:15:16	0.016
24	12/13/2012	12:20:16	0.017
25	12/13/2012	12:25:16	0.016
26	12/13/2012	12:30:16	0.016
27	12/13/2012	12:35:16	0.016
28	12/13/2012	12:40:16	0.020
29	12/13/2012	12:45:16	0.017
30	12/13/2012	12:50:16	0.020
31	12/13/2012	12:55:16	0.021
32	12/13/2012	13:00:16	0.019
33	12/13/2012	13:05:16	0.020
34	12/13/2012	13:10:16	0.020
35	12/13/2012	13:15:16	0.021
36	12/13/2012	13:20:16	0.023
37	12/13/2012	13:25:16	0.022
38	12/13/2012	13:30:16	0.022
39	12/13/2012	13:35:16	0.021
40	12/13/2012	13:40:16	0.020
41	12/13/2012	13:45:16	0.020
42	12/13/2012	13:50:16	0.019
43	12/13/2012	13:55:16	0.018
44	12/13/2012	14:00:16	0.017
45	12/13/2012	14:05:16	0.017
46	12/13/2012	14:10:16	0.017
47	12/13/2012	14:15:16	0.017
48	12/13/2012	14:20:16	0.016
49	12/13/2012	14:25:16	0.016
50	12/13/2012	14:30:16	0.016
51	12/13/2012	14:35:16	0.016
52	12/13/2012	14:40:16	0.015
53	12/13/2012	14:45:16	0.015
54	12/13/2012	14:50:16	0.015
55	12/13/2012	14:55:16	0.015
56	12/13/2012	15:00:16	0.016
57	12/13/2012	15:05:16	0.015
58	12/13/2012	15:10:16	0.015
59	12/13/2012	15:15:16	0.015
60	12/13/2012	15:20:16	0.015
61	12/13/2012	15:25:16	0.031
62	12/13/2012	15:30:16	0.021
63	12/13/2012	15:35:16	0.020
64	12/13/2012	15:40:16	0.018
65	12/13/2012	15:45:16	0.018
66	12/13/2012	15:50:16	0.017
67	12/13/2012	15:55:16	0.017

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
68	12/13/2012	16:00:16	0.017
69	12/13/2012	16:05:16	0.016
70	12/13/2012	16:10:16	0.016
71	12/13/2012	16:15:16	0.016
72	12/13/2012	16:20:16	0.016

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Test 018

Instrument		Data Properties	
Model	DustTrak II	Start Date	12/14/2012
Instrument S/N	8530092502	Start Time	08:58:17
		Stop Date	12/14/2012
		Stop Time	14:58:17
		Total Time	0:06:00:00
		Logging Interval	300 seconds

Statistics	
	AEROSOL
Avg	0.044 mg/m ³
Max	0.058 mg/m ³
Max Date	12/14/2012
Max Time	13:28:17
Min	0.027 mg/m ³
Min Date	12/14/2012
Min Time	14:38:17
TWA (8 hr)	0.033
TWA Start Date	12/14/2012
TWA Start Time	08:58:17
TWA End Time	14:58:17

Test 018

Instrument		Data Properties	
Model	DustTrak II	Start Date	12/14/2012
Instrument S/N	8530092502	Start Time	08:58:17
		Stop Date	12/14/2012
		Stop Time	14:58:17
		Total Time	0:06:00:00
		Logging Interval	300 seconds

Statistics	
AEROSOL	
Avg	0.044 mg/m^3
Max	0.058 mg/m^3
Max Date	12/14/2012
Max Time	13:28:17
Min	0.027 mg/m^3
Min Date	12/14/2012
Min Time	14:38:17
TWA (8 hr)	0.033
TWA Start Date	12/14/2012
TWA Start Time	08:58:17
TWA End Time	14:58:17

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
1	12/14/2012	09:03:17	0.030
2	12/14/2012	09:08:17	0.030
3	12/14/2012	09:13:17	0.030
4	12/14/2012	09:18:17	0.036
5	12/14/2012	09:23:17	0.035
6	12/14/2012	09:28:17	0.034
7	12/14/2012	09:33:17	0.032
8	12/14/2012	09:38:17	0.032
9	12/14/2012	09:43:17	0.040
10	12/14/2012	09:48:17	0.054
11	12/14/2012	09:53:17	0.057
12	12/14/2012	09:58:17	0.056
13	12/14/2012	10:03:17	0.053
14	12/14/2012	10:08:17	0.056
15	12/14/2012	10:13:17	0.053
16	12/14/2012	10:18:17	0.054
17	12/14/2012	10:23:17	0.055
18	12/14/2012	10:28:17	0.055
19	12/14/2012	10:33:17	0.056
20	12/14/2012	10:38:17	0.054
21	12/14/2012	10:43:17	0.054

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
22	12/14/2012	10:48:17	0.055
23	12/14/2012	10:53:17	0.055
24	12/14/2012	10:58:17	0.055
25	12/14/2012	11:03:17	0.055
26	12/14/2012	11:08:17	0.055
27	12/14/2012	11:13:17	0.054
28	12/14/2012	11:18:17	0.052
29	12/14/2012	11:23:17	0.052
30	12/14/2012	11:28:17	0.053
31	12/14/2012	11:33:17	0.052
32	12/14/2012	11:38:17	0.049
33	12/14/2012	11:43:17	0.049
34	12/14/2012	11:48:17	0.048
35	12/14/2012	11:53:17	0.046
36	12/14/2012	11:58:17	0.045
37	12/14/2012	12:03:17	0.044
38	12/14/2012	12:08:17	0.042
39	12/14/2012	12:13:17	0.042
40	12/14/2012	12:18:17	0.041
41	12/14/2012	12:23:17	0.041
42	12/14/2012	12:28:17	0.040
43	12/14/2012	12:33:17	0.043
44	12/14/2012	12:38:17	0.041
45	12/14/2012	12:43:17	0.040
46	12/14/2012	12:48:17	0.039
47	12/14/2012	12:53:17	0.039
48	12/14/2012	12:58:17	0.038
49	12/14/2012	13:03:17	0.038
50	12/14/2012	13:08:17	0.037
51	12/14/2012	13:13:17	0.053
52	12/14/2012	13:18:17	0.041
53	12/14/2012	13:23:17	0.048
54	12/14/2012	13:28:17	0.058
55	12/14/2012	13:33:17	0.052
56	12/14/2012	13:38:17	0.053
57	12/14/2012	13:43:17	0.052
58	12/14/2012	13:48:17	0.050
59	12/14/2012	13:53:17	0.046
60	12/14/2012	13:58:17	0.046
61	12/14/2012	14:03:17	0.040
62	12/14/2012	14:08:17	0.036
63	12/14/2012	14:13:17	0.034
64	12/14/2012	14:18:17	0.031
65	12/14/2012	14:23:17	0.030
66	12/14/2012	14:28:17	0.029
67	12/14/2012	14:33:17	0.028

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
68	12/14/2012	14:38:17	0.027
69	12/14/2012	14:43:17	0.027
70	12/14/2012	14:48:17	0.027
71	12/14/2012	14:53:17	0.027
72	12/14/2012	14:58:17	0.027

@Decon
Library Containment

