

Fairfield Public Schools
Fairfield, CT 06825

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

FROM: Salvatore Morabito

DATE: March 12, 2013

RE: Fairfield Ludlowe High School
Window Replacement Project
Additional PCB Testing Results

This letter is to notify you that the Fairfield Public School District has received the laboratory results for the additional Polychlorinated Biphenyl (PCB) testing conducted at Fairfield Ludlowe High School on July 28, 2012 through January 24, 2013. The additional testing was performed to determine the extent of PCB migration into substrate materials from caulking surrounding window units previously identified as containing PCBs and to determine if any soil contamination has occurred.

The results of these additional tests indicate that migration into substrate materials has occurred at some of the window units in varying concentrations and depths. In addition, the results of the soil testing also indicate low level contamination (1.0 to 8.6 mg/Kg) in some samples. Our testing company (AMC Environmental) has notified both the CT DEEP and the US EPA of its findings.

The soil contamination readings noted above occur primarily in the courtyard adjacent to the custodial office and boiler room. As a precaution, interim engineering controls will be installed at these contaminated soils. These controls will consist of fabric membrane covered by layer of wood mulch to prevent direct dermal contact with the underlying soil.

The final remediation of hazardous materials (including these soils) will be implemented as part of the building project which is presently going through the approval process with town boards. The costs for the remediation of these soils are accounted for in the conceptual project estimate developed by Silver / Petrucci + Associates.

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

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

Thank you.

c: Meg Brown
Central Office Administration
Sands Cleary

FAIRFIELD LUDLOWE HIGH SCHOOL

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Report Prepared for:

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ENVIRONMENTAL, LLC

March 8, 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 April 17, May 5, 18, July 14, 28, August 11, October 13, 26, December 27, 2012, January 9 and January 24, 2013, AMC Environmental, LLC conducted follow-up sampling at Fairfield Ludlowe High School in Fairfield, CT. The initial sampling documented elevated levels of PCB in the caulk (see report dated October 21, 2011).

AMC Environmental, LLC was retained by the Fairfield Public Schools to conduct a pre-renovation hazardous materials inspection at Fairfield Ludlowe High 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 were tested from each building era. Window types were random, in some cases two distinct windows types in one room. Materials were sorted into homogeneous groups based largely on the building era and physical characteristics. 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 both greater than and less than 50 ppm were identified. PCB concentrations greater than 50 ppm are regulated by the Federal EPA. PCB concentrations less than 50 ppm are overseen on the State level. The initial report was issued in October 2011 which stated additional testing was required. Once the project was approved, further testing was conducted. Numerous visits to the school have been made in effort to properly characterize the extent of the PCB contamination present there.

This report does not reflect a fully developed assessment. Additional design efforts are needed to fully grasp the extent of PCB containing materials and PCB contaminated surfaces within the school. AMC submits the information gathered thus far so that the Board of Education can begin developing a budget and timeline for the work to be carried out. Further evaluation is required prior to establishing a concise scope of work and remediation plan for this site. Conceptual drawings are included with this report to help illustrate the presence of homogeneous hazardous materials identified within the school.

1.2 Building Description and Project Scope

Fairfield Ludlowe High School located in Fairfield, Connecticut is a three level; brick clad building of approximately forty-nine thousand, five hundred thirty-one (49,531) square feet. The original construction was completed in 1950 and addition were completed in 1961-62, 1971-72, and 2005

The four building eras of the facility are composed of nearly thirty distinct window types. Sampling was largely performed by categorizing the different building construction dates into homogenous sampling groups. Several representative sets of samples were taken of each homogeneous building material. Typically, any 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 sills and 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 caulking, glazing, surrounding substrates and soils throughout the interior and exterior of the school. Lead, asbestos and PCB parameters were included in this testing. Each distinct building date of the facility are grouped into its own category and sampled separately. Window types will also be considered within each building date to properly characterize homogenous materials found to be present. The data provided in this document will assist in the development of a PCB Remediation Plan as well as help provide information to aid in the development of monetary budgets and schedules to successfully 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. Diagrams depicting the sampling locations of materials tested are attached.

2.1 Sample Collection and Analysis

2.1.1 Source Sampling

An initial hazardous buildings inspection was performed on October 3, 11, 13, 17 and 18, 2011 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 an anticipated window replacement project. Asbestos, lead, and PCB's were included in this assessment. During this preliminary inspection, a total of fifteen (15) bulk samples were collected from various locations throughout the school. Out of the fifteen (15) samples obtained, five (5) samples documented PCB concentration greater than or equal to 50 ppm. Additionally, ten (10) samples document PCB concentration <50 ppm. None of the initial 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 April 17, May 5, 18 and July 14, 2012 by AMC Environmental representatives Richard Onofrio and Justin Proto. Combined, a total of eighty-seven (87) bulk samples of caulking and glazing were collected for PCB analysis. Thirty-seven (37) samples obtained during this inspection are considered to be regulated material subject to Federal TSCA requirements. Forty-five (45) samples are greater than 1 ppm but less than 50 ppm, characterizing it as an

excluded product.

Samples were collected from various locations both on the interior and exterior of the school. Samples were organized by building date and window type so that the building materials tested were truly representative.

Sampling involved the removal of caulking, glazing, and soils 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.

2.1.2 Substrate Sampling

On July 14, 28, August 11 and October 13, December 27, 2012 and January 9 and 24, 2013, AMC Environmental, LLC (AMC) representatives, Richard Onofrio and Justin Proto collected samples of substrates for PCB analysis.

One hundred and thirty (130) 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, structural pre-cast concrete, and painted CMU block.

Thirty-two (32) core samples of the brick, mortar, CMU and pre-cast concrete at the source/substrate interface (0-0.5 inches) to a depth of one-half (1/2) inch were collected in total. These samples were called "first course" of substrates. 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.

Substrate samples are considered acceptable if PCB concentrations are less than 1 ppm. Ten (10) first course samples documented PCB's in concentrations exceeding fifty (50) ppm. Thirteen (13) samples detected PCB in concentrations less than fifty (50) ppm but above 1 ppm. All the remaining samples analyzed were reported as less than 1 ppm or "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. Sampling was performed on a variety of interior and exterior substrates including CMU, brick, and concrete.

During the follow up visits, several additional samples were obtained at various distances from the first course line. The windows were recessed into the brick or block walls, therefore the next location to be sampled was from a distance of 2 and 3 inches from the caulk line. Twenty-six (26) samples were obtained from the 2 inch mark. Of the twenty-six, ten (10) samples analyzed were between 1 and 50 ppm. Three of them documented levels over 50 ppm. All other samples were under 1 ppm or none detected.

Six (6) samples total were obtained at the 3 inch mark line. Of the six, one (1) samples documented concentrations slightly greater than 1 ppm.

Twenty-four (24) core samples were collected on the follow up site visits at the second half course locations. The CMU samples were obtained at three inch locations and the pre-cast concrete samples were collected from source locations. Of the twenty-four (24) samples, ten (10) samples contained concentrations that were greater than 1 ppm but less than 50 ppm. All other samples document concentrations less than 1 ppm or none detected.

Thirty (30) full second course samples were obtained from various locations throughout the school. Of the thirty (30) samples, thirteen (13) samples document concentrations greater than 1 ppm but below 50 ppm. All other samples document concentrations less than 1 ppm or none detected.

A limited number of samples were taken from 3 inches past the second course of CMU block. Additionally, two (2) samples were collected from a six (6) inch mark at concrete columns.

2.1.3 Soil Sampling

AMC collected a total of sixty-five (65) composite exterior soil samples from sixteen (16) different areas at distances of eight (8) inches, sixteen (16) inches, twenty-four (24) inches and forty-eight (48) 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.

Twelve (12) composite soil samples were obtained from seven (7) of the sixteen (16) areas sampled reported to have PCB concentrations in excess of the one (1) ppm threshold. Samples from the other nine (9) 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 and Phoenix Environmental Laboratories of Manchester, CT. 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, eighty-seven (87) samples were collected in total. Of the eighty-seven (87) samples, thirty seven (37) samples analyzed PCB concentrations in excess of fifty (50) ppm. Forty five (45) samples documented PCB concentrations greater than 1 ppm but less than 50 ppm. All remaining samples are less than 1 ppm or none detected (ND).

The results of the initial source materials sampled from October 2011 are presented below:

Table 2.2.1 (a)

Sample Number	Component	Building Date	Location	Result in mg/Kg
10-3/PCB-01	Window glazing compound	1961-62	Room 114 – interior	4.4
10-3/PCB-02	Window glazing compound	1961-62	Room 121 – interior	23
10-3/PCB-03	Window frame caulk	1950	Room 128 – interior	17
10-3/PCB-04	Window glazing compound	1961-62	Room 201 & 301 – interior	21
→ 10-3/PCB-05	Window frame caulk	1961-62	Room 203 – interior	280
10-3/PCB-06	Window glazing compound	1961-62	Room 204 & 302 – interior	26
→ 10-3/PCB-07	Window frame caulk	1950	Room 220 – interior	920
10-3/PCB-08	Window glazing compound	1961-62	Room 238 – interior	49
10-3/PCB-09	Window glazing compound	1950	Room 282 & 286 – interior	3.4
10-3/PCB-10	Window glazing compound	1950	Room 291 & 292 – interior	25
10-3/PCB-11	Window glazing compound	1961-62	Room 321 & 329 – interior	23
→ 10-17/PCB-1	Window frame caulk	1950	Room 215 – Exterior	20,000
→ 10-17/PCB-2	Window frame caulk	1961-62	Façade A – Exterior	58,000
→ 10-17/PCB-3	Window wrap	1961-62	Façade C o/s room 214 – Exterior	74
10-17/PCB-4	Window frame caulk	1950	Room 274 – Exterior	1.8

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

Table 2.2.2 (b)

Sample Number	Component	Building Date	Location	Results in mg/Kg
4-17/PCB-01	Metal window frame caulk	1971-72	Room 004 – interior	ND
4-17/PCB-02	Metal window frame caulk (gray)	1971-72	Room 004 – interior	1.4
→ 4-17/PCB-03	Metal window glazing compound	1961-62	Room 015 – interior	72
4-17/PCB-04	Window glazing compound	1961-62	Room 024 – interior	28
4-17/PCB-05	Window glazing compound	1961-62	Room 030 – interior	20
→ 4-17/PCB-06	Window glazing compound	1961-62	Room 121 – interior	22
→ 4-17/PCB-07	Window frame caulk	1961-62	Room 121 – interior	1,000
→ 4-17/PCB-08	Window glazing compound	1961-62	Room 122 – interior	50
→ 4-17/PCB-09	Window frame caulk	1961-62	Room 115 – interior	12
4-17/PCB-10	Black window glazing compound	1961-62	Room 116 – interior	3.1
4-17/PCB-11	Gray window frame caulk	1950	Room 136 corridor – interior	ND
→ 4-17/PCB-12	White window frame caulk	1950	Room 122 – interior	5
→ 4-17/PCB-13	Brittle metal window frame caulk	1950	Room 149 corridor – interior	11
→ 4-17/PCB-14	Brown metal window glazing compound	1950	Room 149 corridor – interior	3.5
→ 4-17/PCB-15	Soft gray window glazing compound	1950	Room 149 corridor – interior	5.1
→ 4-17/PCB-16	Gray window glazing compound	1961-62	Room 163 corridor – interior	16

→ Indicates samples documented to be asbestos-containing materials.

Table 2.2.2 (b) – continued

Sample Number	Component	Building Date	Location	Results in mg/Kg
4-17/PCB-17	Hard brown window glazing compound	1961-62	Room 132 – interior	3.8
4-17/PCB-18	Soft gray window glazing compound (composite)	1961-62	Rooms 138 A, B, C & E – interior	12
4-17/PCB-19	Hard gray compound b/w metal sash & stone sill	1971-72	Room 142 – interior	6.8
4-17/PCB-20	Grey soft metal window glazing compound	1961-62	Room 202 – interior	4.7
4-17/PCB-21	White window frame caulk	1961-62	Room 203 – interior	840
4-17/PCB-22	Brown brittle caulk behind metal window sash cover (composite)	1961-62	Room 213 & 225 – interior	4,900
4-17/PCB-23	Brittle grey metal window glazing compound (composite)	1961-62	Room 226, 227 & 233 – interior	32
4-17/PCB-24	Soft grey window glazing compound	1961-62	Room 239 & 241 – interior	19
4-17/PCB-25	Grey window frame caulk (composite)	1961-62	Room 219 & 218 – interior	650
4-17/PCB-26	Brittle window glazing compound	1950	Room 282D – interior	2.7
4-17/PCB-27a	Window glazing compound (composite)	1950	Room 252 corridor & 293 – interior	7.3
4-17/PCB-27b	Brittle white window glazing compound (composite)	1950	Room 269 & 266 A – interior	3
4-17/PCB-28	Soft grey window glazing compound	1950	Room 266B corridor – interior	40
4-17/PCB-29	Brown metal window frame caulk	1971-72	Room 243 – interior	24
4-17/PCB-30	Brown window frame caulk	1971-72	Room 248 – interior	250
4-17/PCB-31	Brittle brown window frame caulk	1971-72	Stairwell 10 – interior	170
4-17/PCB-32	Soft grey window glazing compound (composite)	1961-62	Room 301 & 305 – interior	36
4-17/PCB-33	Hard white window frame caulk	1961-62	Room 302 – interior	700
4-17/PCB-34	Grey window glazing compound	1961-62	Room 305 corridor – interior	37
4-17/PCB-35	White window frame caulk on block	1961-62	Room 314 – interior	760
4-17/PCB-36	Brittle grey window glazing compound (composite)	1950	Room 361, 359 & 358 – interior	4.8
4-17/PCB-37	Grey window glazing compound (composite)	1961-62	Room 320 – interior	60
4-17/PCB-38	Brown window frame caulk	1971-72	Room 347 – interior	100
4-17/PCB-39	Brown window glazing compound	1971-72	Room 347 – interior	8.7
5-8/PCB-01	Grey window frame caulk (replacement)	1950	O/S room 275, 276 – exterior, Façade A	2.1
5-8/PCB-02	Light grey original window frame caulk under exterior grey window frame caulk	1950	O/S room 275, 276 – exterior, Façade A	3.6

► Indicates samples documented to be asbestos-containing materials.

Table 2.2.2 (b) – continued

Sample Number	Component	Building Date	Location	Results in mg/Kg
5-8/PCB-03	Soft grey window frame caulk	1950	Room 271 – exterior	1.5
5-8/PCB-04	Brown window frame caulk on brick	1971-72	O/S stair #10 – exterior	100,000
5-8/PCB-05	Black metal window glazing compound on window	1971-72	Stair #10 – exterior	41,000
5-8/PCB-06	Grey metal window frame caulk	1971-72	O/S room 255 – exterior	170,000
5-8/PCB-07	Grey window frame caulk	1950	O/S room 280 – exterior, Façade A	5.5
5-8/PCB-08	Grey caulk at metal window sill on brick	1961-62	O/S room 121 & 122 – exterior, Façade C	38,000
5-8/PCB-09	Window frame caulk	1961-62	Façade C o/s room 230 – exterior	74
5-8/PCB-10	Grey window frame caulk	1950	O/S room 228 – exterior, Façade C	43,000
5-8/PCB-11	Caulk at metal window sill on brick	1950	O/S room 220 – exterior, Façade C	660,000
5-8/PCB-12	Caulk at window frame	1950	O/S rooms 221, 222, 315, 316, 127, 129 – exterior, Façade C	3.4
5-8/PCB-13	Grey caulk at window frame	1961-62	2nd & 3rd floor windows – exterior, Façade C	29,000
5-8/PCB-14	Window sill caulk at metal sill/brick	1961-62	2nd & 3rd floor windows – exterior, Façade C	70,000
5-8/PCB-15	Window sill caulk at metal sill/brick junction	1971-72	Exterior – Façade D	26
5-8/PCB-16	Window frame caulk	1971-72	Exterior – Façade D	110,000
5-18/PCB-17	Window frame caulk	1950	O/S room 138 A, B, C & D – exterior	200,000
5-18/PCB-18	Outer layer soft grey window frame caulk	1950	O/S room 266A – exterior	4.1
5-18/PCB-19	2 nd layer dark grey window frame caulk	1950	O/S room 266A – exterior	5.1
5-18/PCB-20	Soft grey window frame caulk	1950	O/S room 282, 282B – exterior	ND
5-18/PCB-21	Grey caulk on window frame	1950	O/S room 282, 282B – exterior	19,000
5-18/PCB-22	Caulk at window sill on brick	1950	O/S room 266B – exterior	300,000
5-18/PCB-23	Soft grey window frame caulk top layer	1950	Corridor 149 – exterior	26
5-18/PCB-24	Brittle brown original window frame caulk	1950	Corridor 149 – exterior	72
5-18/PCB-25	Caulk at metal window sill/brick	1950	Corridor 149 – exterior	140,000
5-18/PCB-26	Soft grey window frame caulk	1950	Room 115 – exterior	23,000
5-18/PCB-27	Bottom layer brittle brown window frame caulk	1950	Room 157 – exterior	9.6

➔ Indicates samples documented to be asbestos-containing materials.

Table 2.2.2 (b) – continued

Sample Number	Component	Building Date	Location	Results in mg/Kg
7-14/PCB-01	Window frame caulk	1971-72	Façade D o/s room 148 – exterior	69,000
7-14/PCB-02	Window sill caulk	1971-72	Façade D o/s room 148 – exterior	110,000
7-14/PCB-03	Window frame caulk	1971-72	Façade C o/s room 142 – exterior	56,000
7-14/PCB-04	Window sill caulk	1971-72	Façade D o/s room 142 – exterior	78,000
1-24/PCB-01	Window frame caulk		O/S Room 129 – Exterior	ND

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

2.2.2 Substrate Samples

2.2.2.1 First Course (At Caulk Line)

Ten (10) of the thirty-two (32) “first course” substrate samples were documented to contain PCB concentrations in excess of fifty (50) ppm.

Thirteen (13) of the PCB concentrations exceeded one (1) ppm but were less than fifty (50) ppm PCB in the “first course” of sampling. Nine (9) samples were analyzed as containing less than 1 ppm or none detected. Results are summarized by date in the table below.

Table 2.2.2.1

Sample Number	Component	Building Era	Location	Result in mg/Kg
7-14/sub-01	Window frame brick	1950	Façade A o/s room 276 – exterior	ND
7-14/sub-02	Window frame brick	1950	Façade A o/s room 275 – exterior	ND
7-14/sub-03	Window frame brick	1971-72	Façade A o/s room 255 – exterior	290
7-14/sub-04	Window frame brick	1971-72	Façade A o/s room 148 – exterior	191
7-14/sub-05	Window sill concrete	1950	Courtyard o/s room 266B – exterior	0.31
7-14/sub-06	Window frame mortar	1950	Courtyard o/s room 266A – exterior	ND
7-14/sub-07	Window frame brick	1971-72	Façade C o/s room 142 – exterior	332
7-14/sub-08	Window sill brick	1971-72	Façade C o/s room 142 – exterior	34.4
7-14/sub-09	Window sill brick	1961-62	Façade C o/s room 030 – exterior	7.5

Table 2.2.2.1 – continued

Sample Number	Component	Building Era	Location	Result in mg/Kg
7-14/sub-10	Window frame concrete	1961-62	Façade C o/s room 030 – exterior	240
7-28/sub-04-3	Brick mortar – 1 st course	1950	Courtyard o/s room 282b – exterior	ND
7-28/sub-03-3	Brick – 1 st course	1950	Courtyard o/s room 282b – exterior	ND
8-11/sub-12-1	Concrete column/foundation First Course	1961-62	Courtyard o/s room 138a – exterior	15
8-11/sub-12-2	Concrete column/foundation First Course	1961-62	Courtyard o/s room 138e – exterior	48
8-11/sub-12-3	Concrete column/foundation First Course	1961-62	Courtyard o/s room 138e – exterior	8.9
1-24/07-1	Brick at source	1950	Far right o/s Room 129	ND
1-24/07-2	Brick at source	1950	O/S Room 149	110
1-24/07-3	Brick at source	1950	O/s Room 282B	ND
1-24/08-1	Mortar at source	1950	Far left o/s Room 129	2.1
1-24/08-2	Mortar at source	1971-72	O/S Room 149	1,200
1-24/08-3	Mortar at source		O/S Room 282B	ND
1-24/09-2	Brick 1st course	1950	O/S Room 266	3.6
1-24/09-3	Brick at source	1961-62	Courtyard O/S Room 139	49
1-24/09-4	Brick at source	1961-62	O/S Room 113	1,400
1-24/10-2	Mortar at 1st course	1950	O/S Room 266	14,000
1-24/10-3	Mortar at source	1961-62	O/S Room 139	6.3
1-24/10-4	Mortar at source	1961-62	O/S Room 113	1.12
1-24/11-2	Brick source	1971-72	O/S Room 147	960
1-24/12-2	Mortar at source 1st course	1971-72	O/S Room 147	17,000
8-11/sub-13-1	Concrete sill – 1"	1961-62	Courtyard o/s room 138a – exterior	5.2
8-11/sub-13-2	Concrete sill – 1"	1961-62	Courtyard o/s room 138e – exterior	2.0
8-11/sub-13-3	Concrete sill – 1"	1961-62	Courtyard o/s room 138e – exterior	6.6

2.2.2.2 Recessed Jamb (2")

The windows were recessed into the walls of the building. Core samples were obtained from the jamb of the substrate at a distance of 2" from the caulk line.

Table 2.2.2.2

Sample Number	Component	Building Era	Location	Result in mg/Kg
7-28/sub-01-1	Concrete masonry unit – 2"	1950	Room 129 – interior	ND
7-28/sub-01-2	Concrete masonry unit – 2"	1950	Room 220 – interior	ND
7-28/sub-01-3	Concrete masonry unit – 2"	1950	Corridor 149 – interior	0.38

Table 2.2.2.2 – continued

Sample Number	Component	Building Era	Location	Result in mg/Kg
7-28/sub-01-4	Concrete masonry unit – 2"	1950	Room 320 – interior	34
7-28/sub-02-1	Concrete masonry mortar - 2"	1950	Room 129 – interior	ND
7-28/sub-02-2	Concrete masonry mortar – 2"	1950	Room 220 – interior	27
7-28/sub-02-3	Concrete masonry mortar - 2"	1950	Corridor 149 – interior	0.42
7-28/sub-02-4	Concrete masonry mortar – 2"	1950	Room 320 – interior	21
7-28/sub-08-1	Concrete masonry unit – 2"	1971-72	Room 248 – interior	0.71
7-28/sub-08-2	Concrete masonry unit – 2"	1971-72	Room 10 – interior	0.82
7-28/sub-08-3	Concrete masonry unit – 2"	1971-72	Room 347 – interior	2.3
7-28/sub-09-1	Concrete masonry mortar - 2"	1971-72	Room 248 – interior	0.17
7-28/sub-09-2	Concrete masonry mortar - 2"	1971-72	Room 10 – interior	0.68
7-28/sub-09-3	Concrete masonry mortar - 2"	1971-72	Room 347 – interior	0.81
8-11/sub-14-1	Brick – 2"		o/s room 139 – exterior	0.015
8-11/sub-14-2	Brick – 2"	1961-62	o/s room 113 – exterior	1.1
8-11/sub-14-3	Brick – 2"		Façade C o/s room 138 – exterior	ND
8-11/sub-15-1	Brick mortar – 2"	1961-62	o/s room 139 – exterior	1.5
8-11/sub-15-2	Brick mortar – 2"	1961-62	o/s room 113 – exterior	2.8
8-11/sub-15-3	Brick mortar – 2"	1961-62	Façade C o/s room 138 – exterior	0.31
8-11/sub-16-1	Concrete masonry unit – 2"	1961-62	Room 230 – interior	52
8-11/sub-16-2	Concrete masonry unit – 2"	1961-62	Room 326 – interior	48
8-11/sub-16-3	Concrete masonry unit – 2"	1961-62	Room 215 – interior	66
8-11/sub-17-1	Concrete masonry mortar – 2"	1961-62	Room 230 – interior	62
8-11/sub-17-2	Concrete masonry mortar – 2"	1961-62	Room 326 – interior	31
8-11/sub-17-3	Concrete masonry mortar – 2"	1961-62	Room 215 – interior	48

2.2.2.3 Recessed Jamb (3")

Core samples were obtained from the jamb of the substrate at a distance of 3" from the source caulk before making a significant transition to the second course of the face of the surface. The CMU was located on the interior of the building. Six (6) samples were obtained from the 3" inch mark extended from the caulk line. Of the six, one (1) samples documented concentrations slightly greater than 1 ppm.

Table 2.2.2.3

Sample Number	Component	Building Era	Location	Result in mg/Kg
10-13sub-07-1	Window sill 3" precast concrete	1961-62	o/s room 138 B	ND
10-13sub-07-2	Window sill 3" precast concrete	1961-62	o/s room 138 C	1.1
10-13sub-07-3	Window sill 3" precast concrete	1961-62	o/s room 138 H	ND
10-13sub-08-1	3" concrete column window sill	1961-62	o/s room 138 B	0.11
10-13sub-08-2	3" concrete column window sill	1961-62	o/s room 138 C	0.32
10-13sub-08-3	3" concrete column window sill	1961-62	o/s room 138 H	0.33

2.2.2.4 Second Course (1/2 Block)

Second course core samples were obtained from various substrates that previous samples documented PCB concentrations to be greater than 1 ppm. A total of twenty-four (24) samples were obtained from the second course half block location. Of the twenty-four samples, ten (10) samples document levels greater than 1 ppm but less than 50 ppm. The remaining fourteen (14) samples document concentrations less than 1 ppm or no presence of PCBs at all.

Table 2.2.2.4

Sample Number	Component	Building Era	Location	Result in mg/Kg
7-28/sub-05-2	Window sill brick – 2 nd course @ ½ block	1950	Courtyard o/s room 149 – exterior	0.58
7-28/sub-05-3	Window sill brick – 2 nd course @ ½ block	1950	Courtyard o/s corridor 266 – exterior	ND
7-28/sub-06-1	Window sill brick mortar – 2 nd course @ ½ block	1950	Façade C o/s room 129 – exterior	ND
7-28/sub-06-2	Window sill brick mortar – 2 nd course @ ½ block	1950	Courtyard o/s room 149 – exterior	0.22
7-28/sub-06-3	Window sill brick mortar – 2nd course @ ½ block	1950	Courtyard o/s corridor 266 – exterior	1.13
7-28/sub-10-1	Brick – 2 nd course at ½ block	1971-72	Stairwell 10 – exterior	ND
7-28/sub-10-2	Brick – 2 nd course at ½ block	1971-72	O/S stair 10, façade B – exterior	ND
7-28/sub-10-3	Brick – 2 nd course at ½ block	1971-72	Façade D, o/s room 147 – exterior	ND
7-28/sub-11-1	Brick mortar – 2 nd course at ½ block	1971-72	Stair 10 – interior	ND
7-28/sub-11-2	Brick mortar – 2 nd course at ½ block	1971-72	O/S stair 10 – exterior	0.74
7-28/sub-11-3	Brick mortar – 2 nd course at half block	1971-72	Façade D, o/s room 147 – exterior	0.80
10-13sub-01-1	CMU 2nd course @ ½ block	1950	Room 220 – interior	3.8
10-13sub-01-2	CMU 2nd course @ ½ block	1950	Room 320 – interior	2.3
10-13sub-02-1	CMUM 2nd course @ ½ block	1950	Room 220 – interior	1.8
10-13sub-02-2	CMUM 2nd course @ ½ block	1950	Room 320 – interior	1.9
10-13sub-03-1	CMU 2 nd course @ ½ block	1971-72	Room 347 – interior	0.62
10-13sub-03-2	CMU 2 nd course @ ½ block	1971-72	Room 349 – interior	0.82
10-13sub-03-3	CMU 2 nd course @ ½ block	1971-72	Room 346 – interior	0.57
10-13sub-04-1	CMUM 2nd course @ ½ block	1971-72	Room 347 – interior	1.5
10-13sub-04-2	CMUM 2 nd course @ ½ block	1971-72	Room 349 – interior	0.83
10-13sub-04-3	CMUM 2nd course @ ½ block	1971-72	Room 346 – interior	1.7
10-13sub-05-1	CMU 2nd course @ ½ block	1961-62	Room 215 – interior	3.5
10-13sub-05-2	CMU 2nd course @ ½ block	1961-62	Room 230 – interior	4.2
10-13sub-05-3	CMU 2nd course @ ½ block	1961-62	Room 326 – interior	2.1

2.2.2.5 3" from Second Course (half block)

Table 2.2.2.5

Sample Number	Component	Building Era	Location	Result in mg/Kg
12-27sub-01-1	CMU 2 nd course 3" from mortar line @ ½ block	1950	Room 220 – Interior	3.3
12-27sub-01-2	CMU 2 nd course 3" from mortar line @ ½ block	1961-62	Room 215 – Interior	2.5
12-27sub-01-3	CMU 2 nd course 3" from mortar line @ ½ block	1950	Room 129 – Interior	3.68
12-27sub-02-1	CMU 2 nd course 3" from mortar line @ ½ block	1961-62	Room 230 – Interior	3.3
12-27sub-02-2	CMU 2 nd course 3" from mortar line @ ½ block	1950	Room 320 – Interior	1.8
12-27sub-02-3	CMU 2 nd course 3" from mortar line @ ½ block	1961-62	Room 328 – Interior	1.3
12-27sub-03-1	CMU 2 nd course 3" from mortar line @ ½ block	1971-72	Room 345 – Interior	0.74
12-27sub-03-2	CMU 2 nd course 3" from mortar line @ ½ block	1971-72	Room 347 – Interior	0.92
12-27sub-03-3	CMU 2 nd course 3" from mortar line @ ½ block	1971-72	Corridor 378 – Interior	0.73
12-27sub-03-4	CMU 2 nd course 3" from mortar line @ ½ block	1971-72	Stair 10 – Interior	0.44

2.2.2.6 Second Course (Full Block)

Thirty (30) second course core samples were obtained from the substrate that previous core samples documented PCB concentrations greater than 1 ppm. Of the thirty (30) samples, thirteen (13) document concentrations greater than 1 ppm but less than 50 ppm. All remaining sample concentrations document less than 1 ppm of PCB or none detected.

Table 2.2.2.6

Sample Number	Component	Building Era	Location	Result in mg/Kg
7-28/sub-03-1	Brick – 2 nd course	1950	o/s room 129 – exterior	ND
7-28/sub-03-2	Brick – 2 nd course	1950	Courtyard o/s corridor 149 – exterior	ND
7-28/sub-04-1	Brick mortar – 2 nd course	1950	Façade C, o/s room 129 – exterior	ND
7-28/sub-04-2	Brick mortar – 2 nd course	1950	Courtyard o/s corridor 149 – exterior	0.13
7-28/sub-05-1	Window sill brick – 2 nd course	1950	Façade C, o/s room 129 – exterior	ND
7-28/sub-07-1	Concrete window sill – 2 nd course	1961-62	Courtyard o/s room 115 – exterior	0.43

Table 2.2.2.6 – continued

Sample Number	Component	Building Era	Location	Result in mg/Kg
7-28/sub-07-2	Concrete window sill – 2 nd course	1961-62	Courtyard o/s room 282b – exterior	ND
10-13sub-06-1	Start of 2nd course CMUM	1961-62	Room 215 – interior	2.3
10-13sub-06-2	Start of 2nd course CMUM	1961-62	Room 230 – interior	3.0
10-13sub-06-3	Start of 2nd course CMUM	1961-62	Room 326 – interior	2.0
1-9sub-01-1	Brick – 2 nd course	1971-72	O/S Room 149	ND
1-9sub-02-1	Brick mortar – 2 nd course	1971-72	O/S Room 149	ND
1-9sub-01-2	Brick/window sill – 2 nd course	1950	O/S Corridor Room 266A	ND
1-9sub-02-2	Brick mortar/windowsill – 2 nd course	1950	O/S Corridor Room 266A	ND
1-24/01-1	CMU – 2 nd course	1971-72	Room 347	1.0
1-24/02-1	CMUM – 2nd course	1971-72	Room 347	1.2
1-24/03-1	CMU – 2nd course	1961-62	Room 326	4.3
1-24/03-2	CMU – 2nd course	1961-62	Room 370	3.9
1-24/03-3	CMU – 2nd course	1950	Room 220	7.1
1-24/04-1	CMUM – 2nd course	1961	Room 326	1.5
1-24/04-2	CMUM – 2nd course	1961-62	Room 320	2.3
1-24/04-3	CMUM – 2nd course	1950	Room 222	9.0
1-24/05-1	CMU – 2nd course	1950	Room 215	4.2
1-24/05-2	CMU – 2nd course	1950	Room 129	3.5
1-24/06-1	CMUM – 2nd course	1950	Room 215	3.1
1-24/06-2	CMUM – 2 nd course	1950	Room 129	ND
1-24/09-1	Brick at 2 nd course	1961-62	Courtyard O/S Room 138	ND
1-24/10-1	Mortar at 2 nd course	1950	Courtyard O/S Room 138	ND
1-24/11-1	Brick 2 nd course	1971-72	O/S Stair 10	0.54
1-24/12-1	Brick mortar 2 nd course	1971-72	O/S Stair 10	0.57

The results of the PCB substrate materials sampled are presented below:

Table 2.2.2.7

Sample Number	Component	Building Era	Location	Result in mg/Kg
January 9, 2013 6" Substrate Samples				
1-9sub-03-1	Concrete column – 6"	1961-62	O/S Room 138E	ND
1-9sub-03-2	Concrete column – 6"	1961-62	O/S Room 138E	ND

2.2.3 Composite Soil Samples

AMC collected a total of sixty-five (65) composite exterior soil samples from sixteen (16) different areas at distances of eight (8) inches, sixteen (16) inches, twenty-four (24) inches and forty-eight (48) inches from the foundation walls. Composite soil samples were collected from areas that showed concentrations of PCB greater than 1 ppm. Results indicate that low levels of PCB's are present within the soil from some areas around the school. Samples that indicate concentrations greater than 1 ppm were re-

examined and testing was conducted from further distances and depths to confirm the extent of contamination.

Results are summarized as follows:

Table 2.2.3

Sample Number	Component	Building Era	Location	Result in mg/Kg
10-26/Soil-01-1	8" soil (no composite)	1971-72	Façade D o/s room 148	0.31
10-26/Soil-01-2	8" soil (no composite)	1971-72	Façade D o/s room 147	2.19
10-26/Soil-01-3	8" soil (no composite)	1971-72	Façade D o/s room 145	0.45
10-26/Soil-02-1	16" soil (no composite)	1971-72	Façade D o/s room 148	0.19
10-26/Soil-02-2	16" soil (no composite)	1971-72	Façade D o/s room 147	0.34
10-26/Soil-02-3	16" soil (no composite)	1971-72	Façade D o/s room 145	1.22
10-26/Soil-03-1	24" soil (no composite)	1971-72	Façade D o/s room 148	0.26
10-26/Soil-03-2	24" soil (no composite)	1971-72	Façade D o/s room 147	1.04
10-26/Soil-03-3	24" soil (no composite)	1971-72	Façade D o/s room 145	0.25
10-26/Soil-04-1	48" soil (no composite)	1971-72	Façade D o/s room 148	0.15
10-26/Soil-04-2	48" soil (no composite)	1971-72	Façade D o/s room 147	0.48
10-26/Soil-04-3	48" soil (no composite)	1971-72	Façade D o/s room 145	0.17
10-26/Soil-05-1	48" soil	1971-72	O/S Stair 10	0.70
10-26/Soil-06-1	8" soil (composite)	1950	o/s room 275 – Façade A	ND
10-26/Soil-07-1	16" soil (composite)	1950	o/s room 275 – Façade A	ND
10-26/Soil-08-1	24" soil (composite)	1950	o/s room 275 – Façade A	ND
10-26/Soil-09-1	8" soil	1961-62	o/s room 110 – Façade A	0.46
10-26/Soil-10-1	16" soil	1961-62	o/s room 110 – Façade A	1.29
10-26/Soil-11-1	24" soil	1961-62	o/s room 110 – Façade A	1.05
10-26/Soil-12-1	48" soil	1961-62	o/s room 110 – Façade A	0.26
10-26/Soil-09-2	8" soil	1961-62	o/s room 15 – Façade A	3.43
10-26/Soil-10-2	16" soil	1961-62	o/s room 15 – Façade A	2.08
10-26/Soil-11-2	24" soil	1961-62	o/s room 15 – Façade A	0.91
10-26/Soil-12-2	48" soil	1961-62	o/s room 15 – Façade A	0.19
10-26/Soil-09-3	8" soil	1961-62	o/s room 125 – Façade C	0.96
10-26/Soil-10-3	16" soil	1961-62	o/s room 125 – Façade C	4.0
10-26/Soil-11-3	24" soil	1961-62	o/s room 125 – Façade C	0.18
10-26/Soil-12-3	48" soil	1961-62	o/s room 125 – Façade C	ND
10-26/Soil-09-4	8" soil	1961-62	o/s room 138	1.1
10-26/Soil-10-4	16" soil	1961-62	o/s room 138	1.2
10-26/Soil-11-4	24" soil	1961-62	o/s room 138	0.72
10-26/Soil-12-4	48" soil	1961-62	o/s room 138	0.57
10-26/Soil-13-1	8" soil	1950	o/s stair 127 – Façade C	ND
10-26/Soil-14-1	16" soil	1950	o/s stair 127 – Façade C	ND
10-26/Soil-15-1	24" soil	1950	o/s stair 127 – Façade C	ND
10-26/Soil-16-1	48" soil	1950	o/s stair 127 – Façade C	ND
1-9/Soil-01-1	8" Soil	1950	Courtyard o/s Room 157	0.61
1-9/Soil-01-2	8" Soil	1950	Courtyard o/s Corridor 149	8.6
1-9/Soil-01-3	8" Soil	1950	Courtyard o/s Room 282	ND
1-9/Soil-01-4	8" Soil	1950	Courtyard o/s Room 266	0.45
1-9/Soil-02-1	16" Soil	1950	Courtyard o/s Room 157	0.56

Table 2.2.3 – continued

Sample Number	Component	Building Era	Location	Result in mg/Kg
1-9/Soil-02-2	16" Soil	1950	Courtyard o/s Corridor 149	7.9
1-9/Soil-02-3	16" Soil	1950	Courtyard o/s Room 282B	ND
1-9/Soil-02-4	16" Soil	1950	Courtyard o/s Room 266	0.30
1-9/Soil-03-1	24" Soil	1950	Courtyard o/s Room 157	1.0
1-9/Soil-03-2	24" Soil	1950	Courtyard o/s Corridor 149	1.7
1-9/Soil-03-3	24" Soil	1950	Courtyard o/s Room 282B	ND
1-9/Soil-03-4	24" Soil	1950	Courtyard o/s Room 266	0.23
1-9/Soil-04-1	8" Soil	1950	Courtyard o/s Room 115	5.1
1-9/Soil-04-2	8" Soil		Courtyard o/s Room 116	0.39
1-9/Soil-04-3	8" Soil	1961-62	Courtyard o/s Corridor 163	1.1
1-9/Soil-05-1	16" Soil	1950	Courtyard o/s Room 115	4.2
1-9/Soil-05-2	16" Soil		Courtyard o/s Room 116 pg	ND
1-9/Soil-05-3	16" Soil	1961-62	Courtyard o/s Corridor 163	0.44
1-9/Soil-06-1	24" Soil	1950	Courtyard o/s Room 115	5.0
1-9/Soil-06-2	24" Soil		Courtyard o/s Room 116 pg	ND
1-9/Soil-03-3	24" Soil	1961-62	Courtyard o/s Corridor 163	0.30
1-31/Soil-01-1	48" Soil	1950	Courtyard o/s Room 149	ND
1-31/Soil-01-2	56" Soil	1950	Courtyard o/s Room 149	ND
1-31/Soil-01-3	64" Soil	1950	Courtyard o/s Room 149	ND
1-31/Soil-02-1	48" Soil	1950	Courtyard o/s Room 157	ND
1-31/Soil-03-1	48" Soil	1950	Courtyard o/s Room 115	ND
1-31/Soil-03-2	56" Soil	1950	Courtyard o/s Room 115	ND
1-31/Soil-03-3	64" Soil	1950	Courtyard o/s Room 115	ND
1-31/Soil-04-1	48" Soil	1961-62	Courtyard o/s Corridor 163	ND

SECTION 3: CONCLUSION AND RECOMMENDATIONS

3.1 Conclusion

During the course of the hazardous materials inspection at Fairfield Ludlowe High School located in Fairfield, Connecticut, numerous bulk samples obtained from the window systems have illustrated variable concentrations of PCB in the window caulking and glazing on both the interior and exterior of the school. During the site visits, sample analysis demonstrates that several areas of the school document elevated levels of PCB in both 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 identifies high levels of PCB containing caulking and glazing to be present in window systems in all sections of the building that were constructed before 1980. This includes the 1950's, 1960-61, and 1971-72 sections of the school. Sampling was organized primarily based off construction dates and material appearance rather than window type. The building's window system's consists of nearly forty different window types, with some rooms containing more than one type of window. The windows appear to have been updated, in no particular order, over time. It also appears that re-caulking projects have been performed, most notably on the exterior of the building. The appearance and consistency of much of the exterior window frame caulking appears to be homogeneous in nature.

Caulking in one sample documented PCB concentrations in excess of 300,000 ppm in one exterior location in the 1950's section. From the samples collected, results illustrate a wide range of concentrations from location to location. Both regulated and non-regulated levels were found on the interior and exterior of the building. The majority of the regulated materials were present on the exterior of the school, throughout all construction dates of the building.

PCB containing glazing was also identified in some cases that exceeded 30,000 ppm. Other areas of the school were identified 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.

Several samples of caulking and glazing were also identified as containing asbestos. The tables above and the attached drawings illustrate where these samples are located. An arrow next to a PCB sample on the table indicates the material to be an asbestos containing material. When a material is identified as containing both asbestos and PCB <50 ppm, the asbestos supersedes the PCB disposal requirements. In cases where the PCB containing material is >50 ppm, the waste is then considered a mix hazardous waste.

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 PCB migration (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 structural and pre-cast concrete where present. The results indicate that the leaching was evident in areas where higher caulk concentrations were found. In many of the areas, the leaching migrated to the second full course of a given substrate, and in some cases beyond. Additional samples are required in some areas to properly delineate where leaching has stopped.

Composite soil samples were also collected from areas that showed concentrations of PCB in caulk and glazing's that were greater than 1 ppm. Samples were obtained from the 8", 16", 24" and 48" mark extending from the base of the building's foundation. Results indicate that low levels of PCBs are present within the soil from certain areas around the school. Samples that indicate concentrations greater than 1 ppm were re-examined and testing was conducted from further distances and depths to confirm the extent of contamination.

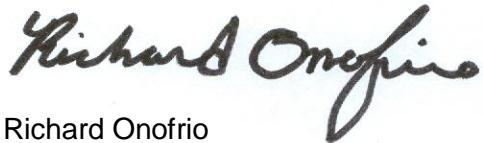
A limited number of outliers exist within the data collected. Wherever the outliers are present, additional sampling may be required in order to properly characterize the areas in question. An example of this can be seen from the substrate samples obtained from the 1960's section of the building in rooms 230 and 326. The CMU block in these rooms documented detectable PCB concentrations within its substrate; however no caulking material was present. This may be due to pre-existing leaching that had occurred prior to the installation of the present windows or possibly a lab or Inspector error. In any event, the data will be re-assessed and sampled appropriately for accurate characterization.

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 PCBs in excess of 50 ppm will be required to be mitigated. Waste generated that is greater than 50 ppm 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 PCB will be required to be removed and disposed of as a PCB remediation waste.

Moving forward, a PCB Remediation Plan must be developed and submitted to the United States Environmental Protection Agency (EPA) in Region 1 for review and/or approval. The type of remediation plan is dependent on several factors including the timeline for completing the project, intent or objectives, and concentration and potential exposure of the PCB containing material present. Cost estimates may begin to be developed for this work; however, a completed approved remediation plan will serve as the true scope of work and guidelines for this project.

Report written by:

A handwritten signature in black ink that reads "Richard Onofrio".

Richard Onofrio
Environmental Consultant

LABORATORY RESULTS

PCB Bulk Sample Results

LABORATORY RESULTS

PCB Substrate Sample Results



Thursday, May 17, 2012

AMC Environmental
PO Box 423
Stratford, CT 06497

Project ID: LUDLOW EXTERIOR
Sample ID#s: BB83020 - BB83035

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

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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

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

Sincerely yours,

A handwritten signature in black ink that reads "Phyllis Shiller".

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



Environmental Laboratories, Inc.

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

Analysis Report

May 17, 2012

FOR: AMC Environmental
PO Box 423
Stratford, CT 06497

Sample Information

Matrix: SOLID
Location Code: AMC-PCB
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

Time

05/05/12 0:00
05/08/12 16:27

Laboratory Data

SDG ID: GBB83020

Phoenix ID: BB83020

Project ID: LUDLOW EXTERIOR

Client ID: PCB-01 WFC

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/08/12			E160.3
Caulk Extraction for PCB	Completed			05/08/12		BQ/K	SW3540C

PCB (Soxhlet)

PCB-1016	ND	0.81	mg/Kg	05/11/12	MH	3540C/8082
PCB-1221	ND	0.81	mg/Kg	05/11/12	MH	3540C/8082
PCB-1232	ND	0.81	mg/Kg	05/11/12	MH	3540C/8082
PCB-1242	ND	0.81	mg/Kg	05/11/12	MH	3540C/8082
PCB-1248	ND	0.81	mg/Kg	05/11/12	MH	3540C/8082
PCB-1254	2.1	0.81	mg/Kg	05/11/12	MH	3540C/8082
PCB-1260	ND	0.81	mg/Kg	05/11/12	MH	3540C/8082
PCB-1262	ND	0.81	mg/Kg	05/11/12	MH	3540C/8082
PCB-1268	ND	0.81	mg/Kg	05/11/12	MH	3540C/8082

QA/QC Surrogates

% DCBP	125	%	05/11/12	MH	30 - 150 %
% TCMX	143	%	05/11/12	MH	30 - 150 %

Project ID: LUDLOW EXTERIOR
Client ID: PCB-01 WFC

Phoenix I.D.: BB83020

Parameter	Result	RL	Units	Date	Time	By	Reference
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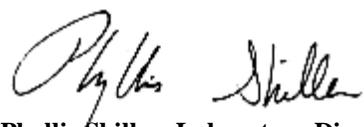
Comments:

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

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Phyllis Shiller, Laboratory Director

May 17, 2012

Reviewed and Released by: Johanna Harrington, Project Manager



Environmental Laboratories, Inc.

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

Analysis Report

May 17, 2012

FOR: AMC Environmental
PO Box 423
Stratford, CT 06497

Sample Information

Matrix: SOLID
Location Code: AMC-PCB
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

Time

05/05/12 0:00
05/08/12 16:27

Laboratory Data

SDG ID: GBB83020

Phoenix ID: BB83021

Project ID: LUDLOW EXTERIOR

Client ID: PCB-02 WFC

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/08/12			E160.3
Caulk Extraction for PCB	Completed			05/08/12		BQ/K	SW3540C

PCB (Soxhlet)

PCB-1016	ND	0.82	mg/Kg	05/11/12	MH	3540C/8082
PCB-1221	ND	0.82	mg/Kg	05/11/12	MH	3540C/8082
PCB-1232	ND	0.82	mg/Kg	05/11/12	MH	3540C/8082
PCB-1242	ND	0.82	mg/Kg	05/11/12	MH	3540C/8082
PCB-1248	ND	0.82	mg/Kg	05/11/12	MH	3540C/8082
PCB-1254	3.6	0.82	mg/Kg	05/11/12	MH	3540C/8082
PCB-1260	ND	0.82	mg/Kg	05/11/12	MH	3540C/8082
PCB-1262	ND	0.82	mg/Kg	05/11/12	MH	3540C/8082
PCB-1268	ND	0.82	mg/Kg	05/11/12	MH	3540C/8082

QA/QC Surrogates

% DCBP	>150	%	05/11/12	MH	30 - 150 %	3
% TCMX	>150	%	05/11/12	MH	30 - 150 %	3

Project ID: LUDLOW EXTERIOR
Client ID: PCB-02 WFC

Phoenix I.D.: BB83021

Parameter	Result	RL	Units	Date	Time	By	Reference
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3 = This parameter exceeds laboratory specified limits.

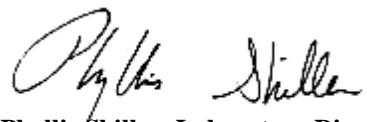
Comments:

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

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Phyllis Shiller, Laboratory Director

May 17, 2012

Reviewed and Released by: Johanna Harrington, Project Manager



Environmental Laboratories, Inc.

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

Analysis Report

May 17, 2012

FOR: AMC Environmental
PO Box 423
Stratford, CT 06497

Sample Information

Matrix: SOLID
Location Code: AMC-PCB
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

Time

05/05/12 0:00
05/08/12 16:27

Laboratory Data

SDG ID: GBB83020

Phoenix ID: BB83022

Project ID: LUDLOW EXTERIOR

Client ID: PCB-03 WFC

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/08/12			E160.3
Caulk Extraction for PCB	Completed			05/08/12		BQ/K	SW3540C

PCB (Soxhlet)

PCB-1016	ND	0.81	mg/Kg	05/11/12	MH	3540C/8082
PCB-1221	ND	0.81	mg/Kg	05/11/12	MH	3540C/8082
PCB-1232	ND	0.81	mg/Kg	05/11/12	MH	3540C/8082
PCB-1242	ND	0.81	mg/Kg	05/11/12	MH	3540C/8082
PCB-1248	ND	0.81	mg/Kg	05/11/12	MH	3540C/8082
PCB-1254	1.5	0.81	mg/Kg	05/11/12	MH	3540C/8082
PCB-1260	ND	0.81	mg/Kg	05/11/12	MH	3540C/8082
PCB-1262	ND	0.81	mg/Kg	05/11/12	MH	3540C/8082
PCB-1268	ND	0.81	mg/Kg	05/11/12	MH	3540C/8082

QA/QC Surrogates

% DCBP	92	%	05/11/12	MH	30 - 150 %
% TCMX	107	%	05/11/12	MH	30 - 150 %

Project ID: LUDLOW EXTERIOR
Client ID: PCB-03 WFC

Phoenix I.D.: BB83022

Parameter	Result	RL	Units	Date	Time	By	Reference
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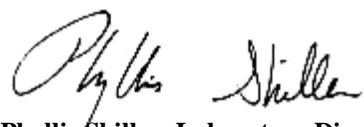
Comments:

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

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Phyllis Shiller, Laboratory Director

May 17, 2012

Reviewed and Released by: Johanna Harrington, Project Manager



Environmental Laboratories, Inc.

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

Analysis Report

May 17, 2012

FOR: AMC Environmental
PO Box 423
Stratford, CT 06497

Sample Information

Matrix: SOLID
Location Code: AMC-PCB
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

Time

05/05/12 0:00
05/08/12 16:27

Laboratory Data

SDG ID: GBB83020

Phoenix ID: BB83023

Project ID: LUDLOW EXTERIOR

Client ID: PCB-04 WFC

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/08/12			E160.3
Caulk Extraction for PCB	Completed			05/08/12		BQ/K	SW3540C

PCB (Soxhlet)

PCB-1016	ND	8000	mg/Kg	05/11/12	MH	3540C/8082
PCB-1221	ND	8000	mg/Kg	05/11/12	MH	3540C/8082
PCB-1232	ND	8000	mg/Kg	05/11/12	MH	3540C/8082
PCB-1242	ND	8000	mg/Kg	05/11/12	MH	3540C/8082
PCB-1248	ND	8000	mg/Kg	05/11/12	MH	3540C/8082
PCB-1254	100000	8000	mg/Kg	05/11/12	MH	3540C/8082
PCB-1260	ND	8000	mg/Kg	05/11/12	MH	3540C/8082
PCB-1262	ND	8000	mg/Kg	05/11/12	MH	3540C/8082
PCB-1268	ND	8000	mg/Kg	05/11/12	MH	3540C/8082

QA/QC Surrogates

% DCBP	Diluted Out	%	05/11/12	MH	30 - 150 %
% TCMX	Diluted Out	%	05/11/12	MH	30 - 150 %

Project ID: LUDLOW EXTERIOR
Client ID: PCB-04 WFC

Phoenix I.D.: BB83023

Parameter	Result	RL	Units	Date	Time	By	Reference
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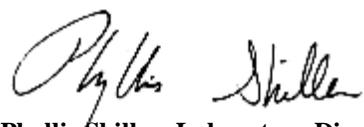
Comments:

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

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Phyllis Shiller, Laboratory Director

May 17, 2012

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Environmental Laboratories, Inc.

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 17, 2012

FOR: AMC Environmental
PO Box 423
Stratford, CT 06497

Sample Information

Matrix: SOLID
Location Code: AMC-PCB
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

Time

05/05/12 0:00
05/08/12 16:27

Laboratory Data

SDG ID: GBB83020

Phoenix ID: BB83024

Project ID: LUDLOW EXTERIOR

Client ID: PCB-05 WGC

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/08/12			E160.3
Caulk Extraction for PCB	Completed			05/08/12		BQ/K	SW3540C

PCB (Soxhlet)

PCB-1016	ND	8200	mg/Kg	05/15/12	MH	3540C/8082
PCB-1221	ND	8200	mg/Kg	05/15/12	MH	3540C/8082
PCB-1232	ND	8200	mg/Kg	05/15/12	MH	3540C/8082
PCB-1242	ND	8200	mg/Kg	05/15/12	MH	3540C/8082
PCB-1248	ND	8200	mg/Kg	05/15/12	MH	3540C/8082
PCB-1254	41000	8200	mg/Kg	05/15/12	MH	3540C/8082
PCB-1260	ND	8200	mg/Kg	05/15/12	MH	3540C/8082
PCB-1262	ND	8200	mg/Kg	05/15/12	MH	3540C/8082
PCB-1268	ND	8200	mg/Kg	05/15/12	MH	3540C/8082

QA/QC Surrogates

% DCBP	Diluted Out	%	05/15/12	MH	30 - 150 %
% TCMX	Diluted Out	%	05/15/12	MH	30 - 150 %

Project ID: LUDLOW EXTERIOR
Client ID: PCB-05 WGC

Phoenix I.D.: BB83024

Parameter	Result	RL	Units	Date	Time	By	Reference
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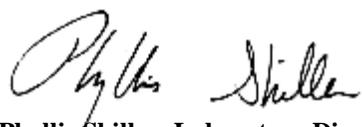
Comments:

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May 17, 2012

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Environmental Laboratories, Inc.

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 17, 2012

FOR: AMC Environmental
PO Box 423
Stratford, CT 06497

Sample Information

Matrix: SOLID
Location Code: AMC-PCB
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

Time

05/05/12 0:00
05/08/12 16:27

Laboratory Data

SDG ID: GBB83020

Phoenix ID: BB83025

Project ID: LUDLOW EXTERIOR

Client ID: PCB-06 WFC

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/08/12			E160.3
Caulk Extraction for PCB	Completed			05/08/12		BQ/K	SW3540C

PCB (Soxhlet)

PCB-1016	ND	39000	mg/Kg	05/15/12	KCA	3540C/8082
PCB-1221	ND	39000	mg/Kg	05/15/12	KCA	3540C/8082
PCB-1232	ND	39000	mg/Kg	05/15/12	KCA	3540C/8082
PCB-1242	ND	39000	mg/Kg	05/15/12	KCA	3540C/8082
PCB-1248	ND	39000	mg/Kg	05/15/12	KCA	3540C/8082
PCB-1254	170000	39000	mg/Kg	05/15/12	KCA	3540C/8082
PCB-1260	ND	39000	mg/Kg	05/15/12	KCA	3540C/8082
PCB-1262	ND	39000	mg/Kg	05/15/12	KCA	3540C/8082
PCB-1268	ND	39000	mg/Kg	05/15/12	KCA	3540C/8082

QA/QC Surrogates

% DCBP	Diluted Out	%	05/15/12	KCA	30 - 150 %
% TCMX	Diluted Out	%	05/15/12	KCA	30 - 150 %

Project ID: LUDLOW EXTERIOR
Client ID: PCB-06 WFC

Phoenix I.D.: BB83025

Parameter	Result	RL	Units	Date	Time	By	Reference
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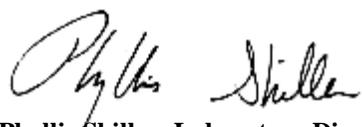
Comments:

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May 17, 2012

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 17, 2012

FOR: AMC Environmental
PO Box 423
Stratford, CT 06497

Sample Information

Matrix: SOLID
Location Code: AMC-PCB
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

Time

05/05/12 0:00
05/08/12 16:27

Laboratory Data

SDG ID: GBB83020

Phoenix ID: BB83026

Project ID: LUDLOW EXTERIOR

Client ID: PCB-07 WFC

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/08/12			E160.3
Caulk Extraction for PCB	Completed			05/08/12		BQ/K	SW3540C

PCB (Soxhlet)

PCB-1016	ND	0.78	mg/Kg	05/11/12	MH	3540C/8082
PCB-1221	ND	0.78	mg/Kg	05/11/12	MH	3540C/8082
PCB-1232	ND	0.78	mg/Kg	05/11/12	MH	3540C/8082
PCB-1242	ND	0.78	mg/Kg	05/11/12	MH	3540C/8082
PCB-1248	ND	0.78	mg/Kg	05/11/12	MH	3540C/8082
PCB-1254	5.5	0.78	mg/Kg	05/11/12	MH	3540C/8082
PCB-1260	ND	0.78	mg/Kg	05/11/12	MH	3540C/8082
PCB-1262	ND	0.78	mg/Kg	05/11/12	MH	3540C/8082
PCB-1268	ND	0.78	mg/Kg	05/11/12	MH	3540C/8082

QA/QC Surrogates

% DCBP	127	%	05/11/12	MH	30 - 150 %
% TCMX	114	%	05/11/12	MH	30 - 150 %

Project ID: LUDLOW EXTERIOR
Client ID: PCB-07 WFC

Phoenix I.D.: BB83026

Parameter	Result	RL	Units	Date	Time	By	Reference
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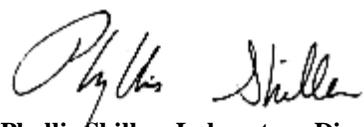
Comments:

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Phyllis Shiller, Laboratory Director

May 17, 2012

Reviewed and Released by: Johanna Harrington, Project Manager



Environmental Laboratories, Inc.

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

Analysis Report

May 17, 2012

FOR: AMC Environmental
PO Box 423
Stratford, CT 06497

Sample Information

Matrix: SOLID
Location Code: AMC-PCB
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

Time

05/05/12 0:00
05/08/12 16:27

Laboratory Data

SDG ID: GBB83020

Phoenix ID: BB83027

Project ID: LUDLOW EXTERIOR

Client ID: PCB-08 CAULK

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/08/12			E160.3
Caulk Extraction for PCB	Completed			05/08/12		BQ/K	SW3540C

PCB (Soxhlet)

PCB-1016	ND	7900	mg/Kg	05/11/12	MH	3540C/8082
PCB-1221	ND	7900	mg/Kg	05/11/12	MH	3540C/8082
PCB-1232	ND	7900	mg/Kg	05/11/12	MH	3540C/8082
PCB-1242	ND	7900	mg/Kg	05/11/12	MH	3540C/8082
PCB-1248	ND	7900	mg/Kg	05/11/12	MH	3540C/8082
PCB-1254	38000	7900	mg/Kg	05/11/12	MH	3540C/8082
PCB-1260	ND	7900	mg/Kg	05/11/12	MH	3540C/8082
PCB-1262	ND	7900	mg/Kg	05/11/12	MH	3540C/8082
PCB-1268	ND	7900	mg/Kg	05/11/12	MH	3540C/8082

QA/QC Surrogates

% DCBP	Diluted Out	%	05/11/12	MH	30 - 150 %
% TCMX	Diluted Out	%	05/11/12	MH	30 - 150 %

Project ID: LUDLOW EXTERIOR
Client ID: PCB-08 CAULK

Phoenix I.D.: BB83027

Parameter	Result	RL	Units	Date	Time	By	Reference
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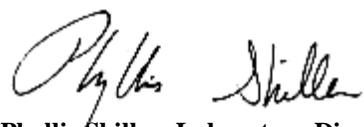
Comments:

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Phyllis Shiller, Laboratory Director

May 17, 2012

Reviewed and Released by: Johanna Harrington, Project Manager



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

Analysis Report

May 17, 2012

FOR: AMC Environmental
PO Box 423
Stratford, CT 06497

Sample Information

Matrix: SOLID
Location Code: AMC-PCB
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

Time

05/05/12 0:00
05/08/12 16:27

Laboratory Data

SDG ID: GBB83020

Phoenix ID: BB83028

Project ID: LUDLOW EXTERIOR

Client ID: PCB-09 WFC

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/08/12			E160.3
Caulk Extraction for PCB	Completed			05/08/12		BQ/K	SW3540C

PCB (Soxhlet)

PCB-1016	ND	8.2	mg/Kg	05/11/12	MH	3540C/8082
PCB-1221	ND	8.2	mg/Kg	05/11/12	MH	3540C/8082
PCB-1232	ND	8.2	mg/Kg	05/11/12	MH	3540C/8082
PCB-1242	ND	8.2	mg/Kg	05/11/12	MH	3540C/8082
PCB-1248	ND	8.2	mg/Kg	05/11/12	MH	3540C/8082
PCB-1254	74	8.2	mg/Kg	05/11/12	MH	3540C/8082
PCB-1260	ND	8.2	mg/Kg	05/11/12	MH	3540C/8082
PCB-1262	ND	8.2	mg/Kg	05/11/12	MH	3540C/8082
PCB-1268	ND	8.2	mg/Kg	05/11/12	MH	3540C/8082

QA/QC Surrogates

% DCBP	Diluted Out	%	05/11/12	MH	30 - 150 %
% TCMX	Diluted Out	%	05/11/12	MH	30 - 150 %

Project ID: LUDLOW EXTERIOR
Client ID: PCB-09 WFC

Phoenix I.D.: BB83028

Parameter	Result	RL	Units	Date	Time	By	Reference
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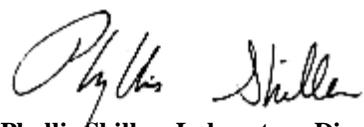
Comments:

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Phyllis Shiller, Laboratory Director

May 17, 2012

Reviewed and Released by: Johanna Harrington, Project Manager



Environmental Laboratories, Inc.

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

Analysis Report

May 17, 2012

FOR: AMC Environmental
PO Box 423
Stratford, CT 06497

Sample Information

Matrix: SOLID
Location Code: AMC-PCB
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

Time

05/05/12 0:00
05/08/12 16:27

Laboratory Data

SDG ID: GBB83020

Phoenix ID: BB83029

Project ID: LUDLOW EXTERIOR

Client ID: PCB-10 WFC

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/08/12			E160.3
Caulk Extraction for PCB	Completed			05/08/12		BQ/K	SW3540C

PCB (Soxhlet)

PCB-1016	ND	4000	mg/Kg	05/11/12	MH	3540C/8082
PCB-1221	ND	4000	mg/Kg	05/11/12	MH	3540C/8082
PCB-1232	ND	4000	mg/Kg	05/11/12	MH	3540C/8082
PCB-1242	ND	4000	mg/Kg	05/11/12	MH	3540C/8082
PCB-1248	ND	4000	mg/Kg	05/11/12	MH	3540C/8082
PCB-1254	43000	4000	mg/Kg	05/11/12	MH	3540C/8082
PCB-1260	ND	4000	mg/Kg	05/11/12	MH	3540C/8082
PCB-1262	ND	4000	mg/Kg	05/11/12	MH	3540C/8082
PCB-1268	ND	4000	mg/Kg	05/11/12	MH	3540C/8082

QA/QC Surrogates

% DCBP	Diluted Out	%	05/11/12	MH	30 - 150 %
% TCMX	Diluted Out	%	05/11/12	MH	30 - 150 %

Project ID: LUDLOW EXTERIOR
Client ID: PCB-10 WFC

Phoenix I.D.: BB83029

Parameter	Result	RL	Units	Date	Time	By	Reference
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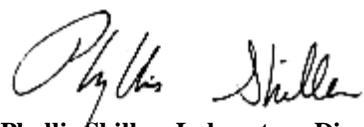
Comments:

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

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

May 17, 2012

Reviewed and Released by: Johanna Harrington, Project Manager



Environmental Laboratories, Inc.

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

Analysis Report

May 17, 2012

FOR: AMC Environmental
PO Box 423
Stratford, CT 06497

Sample Information

Matrix: SOLID
Location Code: AMC-PCB
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

Time

05/05/12 0:00
05/08/12 16:27

Laboratory Data

SDG ID: GBB83020

Phoenix ID: BB83030

Project ID: LUDLOW EXTERIOR

Client ID: PCB-11 CAULK

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/08/12			E160.3
Caulk Extraction for PCB	Completed			05/08/12		BQ/K	SW3540C

PCB (Soxhlet)

PCB-1016	ND	19000	mg/Kg	05/15/12	KCA	3540C/8082
PCB-1221	ND	19000	mg/Kg	05/15/12	KCA	3540C/8082
PCB-1232	ND	19000	mg/Kg	05/15/12	KCA	3540C/8082
PCB-1242	ND	19000	mg/Kg	05/15/12	KCA	3540C/8082
PCB-1248	ND	19000	mg/Kg	05/15/12	KCA	3540C/8082
PCB-1254	66000	19000	mg/Kg	05/15/12	KCA	3540C/8082
PCB-1260	ND	19000	mg/Kg	05/15/12	KCA	3540C/8082
PCB-1262	ND	19000	mg/Kg	05/15/12	KCA	3540C/8082
PCB-1268	ND	19000	mg/Kg	05/15/12	KCA	3540C/8082

QA/QC Surrogates

% DCBP	Diluted Out	%	05/15/12	KCA	30 - 150 %
% TCMX	Diluted Out	%	05/15/12	KCA	30 - 150 %

Project ID: LUDLOW EXTERIOR
Client ID: PCB-11 CAULK

Phoenix I.D.: BB83030

Parameter	Result	RL	Units	Date	Time	By	Reference
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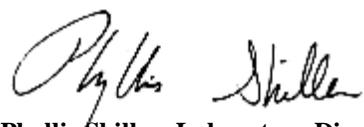
Comments:

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

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Phyllis Shiller, Laboratory Director

May 17, 2012

Reviewed and Released by: Johanna Harrington, Project Manager



Environmental Laboratories, Inc.

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

Analysis Report

May 17, 2012

FOR: AMC Environmental
PO Box 423
Stratford, CT 06497

Sample Information

Matrix: SOLID
Location Code: AMC-PCB
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

Time

05/05/12 0:00
05/08/12 16:27

Laboratory Data

SDG ID: GBB83020

Phoenix ID: BB83031

Project ID: LUDLOW EXTERIOR

Client ID: PCB-12 CAULK

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/08/12			E160.3
Caulk Extraction for PCB	Completed			05/08/12		BQ/K	SW3540C

PCB (Soxhlet)

PCB-1016	ND	0.8	mg/Kg	05/11/12	MH	3540C/8082
PCB-1221	ND	0.8	mg/Kg	05/11/12	MH	3540C/8082
PCB-1232	ND	0.8	mg/Kg	05/11/12	MH	3540C/8082
PCB-1242	ND	0.8	mg/Kg	05/11/12	MH	3540C/8082
PCB-1248	ND	0.8	mg/Kg	05/11/12	MH	3540C/8082
PCB-1254	3.4	0.8	mg/Kg	05/11/12	MH	3540C/8082
PCB-1260	ND	0.8	mg/Kg	05/11/12	MH	3540C/8082
PCB-1262	ND	0.8	mg/Kg	05/11/12	MH	3540C/8082
PCB-1268	ND	0.8	mg/Kg	05/11/12	MH	3540C/8082

QA/QC Surrogates

% DCBP	120	%	05/11/12	MH	30 - 150 %
% TCMX	138	%	05/11/12	MH	30 - 150 %

Project ID: LUDLOW EXTERIOR
Client ID: PCB-12 CAULK

Phoenix I.D.: BB83031

Parameter	Result	RL	Units	Date	Time	By	Reference
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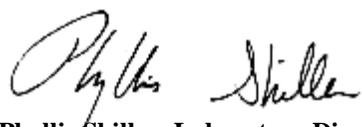
Comments:

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

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Phyllis Shiller, Laboratory Director

May 17, 2012

Reviewed and Released by: Johanna Harrington, Project Manager



Environmental Laboratories, Inc.

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

Analysis Report

May 17, 2012

FOR: AMC Environmental
PO Box 423
Stratford, CT 06497

Sample Information

Matrix: SOLID
Location Code: AMC-PCB
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

Time

05/05/12 0:00
05/08/12 16:27

Laboratory Data

SDG ID: GBB83020

Phoenix ID: BB83032

Project ID: LUDLOW EXTERIOR

Client ID: PCB-13 CAULK

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/08/12			E160.3
Caulk Extraction for PCB	Completed			05/08/12		BQ/K	SW3540C

PCB (Soxhlet)

PCB-1016	ND	4200	mg/Kg	05/11/12	MH	3540C/8082
PCB-1221	ND	4200	mg/Kg	05/11/12	MH	3540C/8082
PCB-1232	ND	4200	mg/Kg	05/11/12	MH	3540C/8082
PCB-1242	ND	4200	mg/Kg	05/11/12	MH	3540C/8082
PCB-1248	ND	4200	mg/Kg	05/11/12	MH	3540C/8082
PCB-1254	29000	4200	mg/Kg	05/11/12	MH	3540C/8082
PCB-1260	ND	4200	mg/Kg	05/11/12	MH	3540C/8082
PCB-1262	ND	4200	mg/Kg	05/11/12	MH	3540C/8082
PCB-1268	ND	4200	mg/Kg	05/11/12	MH	3540C/8082

QA/QC Surrogates

% DCBP	Diluted Out	%	05/11/12	MH	30 - 150 %
% TCMX	Diluted Out	%	05/11/12	MH	30 - 150 %

Project ID: LUDLOW EXTERIOR
Client ID: PCB-13 CAULK

Phoenix I.D.: BB83032

Parameter	Result	RL	Units	Date	Time	By	Reference
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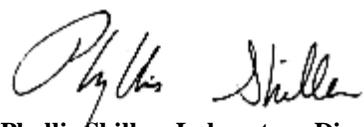
Comments:

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

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

May 17, 2012

Reviewed and Released by: Johanna Harrington, Project Manager



Environmental Laboratories, Inc.

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

Analysis Report

May 17, 2012

FOR: AMC Environmental
PO Box 423
Stratford, CT 06497

Sample Information

Matrix: SOLID
Location Code: AMC-PCB
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

Time

05/05/12 0:00
05/08/12 16:27

Laboratory Data

SDG ID: GBB83020

Phoenix ID: BB83033

Project ID: LUDLOW EXTERIOR

Client ID: PCB-14 CAULK

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/08/12			E160.3
Caulk Extraction for PCB	Completed			05/08/12		BQ/K	SW3540C

PCB (Soxhlet)

PCB-1016	ND	21000	mg/Kg	05/14/12	MH	3540C/8082
PCB-1221	ND	21000	mg/Kg	05/14/12	MH	3540C/8082
PCB-1232	ND	21000	mg/Kg	05/14/12	MH	3540C/8082
PCB-1242	ND	21000	mg/Kg	05/14/12	MH	3540C/8082
PCB-1248	ND	21000	mg/Kg	05/14/12	MH	3540C/8082
PCB-1254	70000	21000	mg/Kg	05/14/12	MH	3540C/8082
PCB-1260	ND	21000	mg/Kg	05/14/12	MH	3540C/8082
PCB-1262	ND	21000	mg/Kg	05/14/12	MH	3540C/8082
PCB-1268	ND	21000	mg/Kg	05/14/12	MH	3540C/8082

QA/QC Surrogates

% DCBP	Diluted Out	%	05/14/12	MH	30 - 150 %
% TCMX	Diluted Out	%	05/14/12	MH	30 - 150 %

Project ID: LUDLOW EXTERIOR
Client ID: PCB-14 CAULK

Phoenix I.D.: BB83033

Parameter	Result	RL	Units	Date	Time	By	Reference
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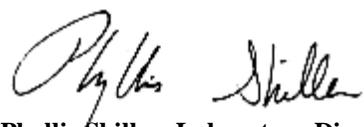
Comments:

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

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

May 17, 2012

Reviewed and Released by: Johanna Harrington, Project Manager



Environmental Laboratories, Inc.

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

Analysis Report

May 17, 2012

FOR: AMC Environmental
PO Box 423
Stratford, CT 06497

Sample Information

Matrix: SOLID
Location Code: AMC-PCB
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

Time

05/05/12 0:00
05/08/12 16:27

Laboratory Data

SDG ID: GBB83020

Phoenix ID: BB83034

Project ID: LUDLOW EXTERIOR

Client ID: PCB-15 CAULK

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/08/12			E160.3
Caulk Extraction for PCB	Completed			05/08/12		BQ/K	SW3540C

PCB (Soxhlet)

PCB-1016	ND	8	mg/Kg	05/11/12	MH	3540C/8082
PCB-1221	ND	8	mg/Kg	05/11/12	MH	3540C/8082
PCB-1232	ND	8	mg/Kg	05/11/12	MH	3540C/8082
PCB-1242	ND	8	mg/Kg	05/11/12	MH	3540C/8082
PCB-1248	ND	8	mg/Kg	05/11/12	MH	3540C/8082
PCB-1254	26	8	mg/Kg	05/11/12	MH	3540C/8082
PCB-1260	ND	8	mg/Kg	05/11/12	MH	3540C/8082
PCB-1262	ND	8	mg/Kg	05/11/12	MH	3540C/8082
PCB-1268	ND	8	mg/Kg	05/11/12	MH	3540C/8082

QA/QC Surrogates

% DCBP	Diluted Out	%	05/11/12	MH	30 - 150 %
% TCMX	Diluted Out	%	05/11/12	MH	30 - 150 %

Project ID: LUDLOW EXTERIOR
Client ID: PCB-15 CAULK

Phoenix I.D.: BB83034

Parameter	Result	RL	Units	Date	Time	By	Reference
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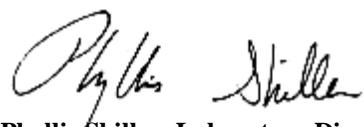
Comments:

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

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

May 17, 2012

Reviewed and Released by: Johanna Harrington, Project Manager



Environmental Laboratories, Inc.

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

Analysis Report

May 17, 2012

FOR: AMC Environmental
PO Box 423
Stratford, CT 06497

Sample Information

Matrix: SOLID
Location Code: AMC-PCB
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

Time

05/05/12 0:00
05/08/12 16:27

Laboratory Data

SDG ID: GBB83020

Phoenix ID: BB83035

Project ID: LUDLOW EXTERIOR

Client ID: PCB-16 CAULK

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/08/12			E160.3
Caulk Extraction for PCB	Completed			05/08/12		BQ/K	SW3540C

PCB (Soxhlet)

PCB-1016	ND	20000	mg/Kg	05/11/12	MH	3540C/8082
PCB-1221	ND	20000	mg/Kg	05/11/12	MH	3540C/8082
PCB-1232	ND	20000	mg/Kg	05/11/12	MH	3540C/8082
PCB-1242	ND	20000	mg/Kg	05/11/12	MH	3540C/8082
PCB-1248	ND	20000	mg/Kg	05/11/12	MH	3540C/8082
PCB-1254	110000	20000	mg/Kg	05/11/12	MH	3540C/8082
PCB-1260	ND	20000	mg/Kg	05/11/12	MH	3540C/8082
PCB-1262	ND	20000	mg/Kg	05/11/12	MH	3540C/8082
PCB-1268	ND	20000	mg/Kg	05/11/12	MH	3540C/8082

QA/QC Surrogates

% DCBP	Diluted Out	%	05/11/12	MH	30 - 150 %
% TCMX	Diluted Out	%	05/11/12	MH	30 - 150 %

Project ID: LUDLOW EXTERIOR
Client ID: PCB-16 CAULK

Phoenix I.D.: BB83035

Parameter	Result	RL	Units	Date	Time	By	Reference
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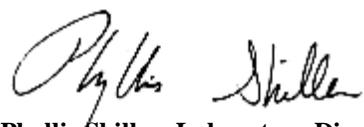
Comments:

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

ND=Not detected BDL=Below Detection Level RL=Reporting Level

All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

May 17, 2012

Reviewed and Released by: Johanna Harrington, Project Manager



Environmental Laboratories, Inc.

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

QA/QC Report

May 17, 2012

QA/QC Data

SDG I.D.: GBB83020

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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QA/QC Batch 200222, QC Sample No: BB80725 (BB83020, BB83021, BB83022, BB83023, BB83024, BB83025, BB83026, BB83027, BB83028)

Polychlorinated Biphenyls - Solid

PCB-1016	ND	100	100	0.0				40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	104	104	0.0				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	89	89	89	0.0				30 - 150	30
% TCMX (Surrogate Rec)	88	79	82	3.7				30 - 150	30

Comment:

* The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

QA/QC Batch 200228, QC Sample No: BB83029 (BB83029, BB83030, BB83031, BB83032, BB83033, BB83034, BB83035)

Polychlorinated Biphenyls - Solid

PCB-1016	ND	101	98	3.0				40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	118	118	0.0				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	100	104	101	2.9				30 - 150	30
% TCMX (Surrogate Rec)	96	89	86	3.4				30 - 150	30

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

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis Shiller, Laboratory Director
May 17, 2012

PHOENIX

Environmental Laboratories, Inc.

Customer: **AMC Environmental LLC**
P.O. Box 493
Stratford, CT

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040

Email: info@phoenixlabs.com Fax (860) 645-0823

Client Services (860) 645-8726

CHAIN OF CUSTODY RECORD

Data Delivery:		Temp <u>60</u>	Pg <u>1</u> of <u>2</u>
<input type="checkbox"/> Fax #:			
<input type="checkbox"/> Email:			
Project: <u>Ludlowe - Exterior</u>		Project P.O.: _____	
Report to: <u>ESU LLC Environmental</u>		Phone #: _____	
Invoice to: _____		Fax #: _____	
Client Sample - Information - Identification		Analysis Request	
Sampler's Signature	Date: _____		
Matrix Code: DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water SE=Sediment SL=Sludge S=Soil/Solid W=Wipe O=Other			
PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	
83020	PCB-01	WFC	
83021	PCB-02	WFC	
83022	PCB-03	WFC	
83023	PCB-04	WFC	
83024	PCB-05	WGC	
83025	PCB-06	WFC	
83026	PCB-07	WFC	
83027	PCB-08	Caulk	
83028	PCB-09	WFC	
83029	PCB-10	WFC	
83030	PCB-11	Caulk	
83031	PCB-12	Caulk	
Relinquished by:	Accepted by:	Date: <u>5-8-12</u> Time: <u>1:52 PM</u>	
Data Format: <input type="checkbox"/> MCP Certification <input type="checkbox"/> RCP Cert <input type="checkbox"/> GW-1 <input type="checkbox"/> GW Protection <input type="checkbox"/> GW-2 <input type="checkbox"/> SW Protection <input type="checkbox"/> GW-3 <input type="checkbox"/> GA Mobility <input type="checkbox"/> GB Mobility <input type="checkbox"/> S-1 <input type="checkbox"/> Residential DEC <input type="checkbox"/> S-2 <input type="checkbox"/> I/C DEC <input type="checkbox"/> S-3 <input type="checkbox"/> Other <input type="checkbox"/> MWRA eSMART <input type="checkbox"/> Other <input type="checkbox"/> Other <input type="checkbox"/> Data Package <input type="checkbox"/> Tier II Checklist <input type="checkbox"/> Other <input type="checkbox"/> Full Data Package* <input type="checkbox"/> Phoenix Std Report <input type="checkbox"/> Other			
Comments, Special Requirements or Regulations: <u>None</u>			
Turnaround: <input type="checkbox"/> 1 Day* <input type="checkbox"/> 2 Days* <input type="checkbox"/> 3 Days* <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Other * SURCHARGE APPLIES			
State where samples were collected: <u>CT</u>			

February 5, 2013

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

Project Location: Ludlowe
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 13A0730

Enclosed are results of analyses for samples received by the laboratory on January 29, 2013. 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: 2/5/2013

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

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 13A0730

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

PROJECT LOCATION: Ludlowe

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1-24 PCB 01	13A0730-01	Caulk	Ext. W.F.C. o/s Rm 129	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: Ludlowe

Sample Description: Ext. WF.C. o/s Rm 129

Work Order: 13A0730

Date Received: 1/29/2013

Field Sample #: 1-24 PCB 01

Sampled: 1/24/2013 00:00

Sample ID: 13A0730-01

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	0.78	mg/Kg	4		SW-846 8082A	1/29/13	2/1/13 15:36	JMB
Aroclor-1221 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	1/29/13	2/1/13 15:36	JMB
Aroclor-1232 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	1/29/13	2/1/13 15:36	JMB
Aroclor-1242 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	1/29/13	2/1/13 15:36	JMB
Aroclor-1248 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	1/29/13	2/1/13 15:36	JMB
Aroclor-1254 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	1/29/13	2/1/13 15:36	JMB
Aroclor-1260 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	1/29/13	2/1/13 15:36	JMB
Aroclor-1262 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	1/29/13	2/1/13 15:36	JMB
Aroclor-1268 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	1/29/13	2/1/13 15:36	JMB
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	104	30-150							2/1/13 15:36
Decachlorobiphenyl [2]	88.9	30-150							2/1/13 15:36
Tetrachloro-m-xylene [1]	103	30-150							2/1/13 15:36
Tetrachloro-m-xylene [2]	101	30-150							2/1/13 15:36

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
13A0730-01 [1-24 PCB 01]	B066887	0.512	10.0	01/29/13

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 B066887 - SW-846 3540C

Blank (B066887-BLK1)					Prepared: 01/29/13 Analyzed: 02/01/13					
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	4.17		mg/Kg	4.00		104		30-150		
Surrogate: Decachlorobiphenyl [2C]	3.74		mg/Kg	4.00		93.4		30-150		
Surrogate: Tetrachloro-m-xylene	3.76		mg/Kg	4.00		94.0		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	3.80		mg/Kg	4.00		95.0		30-150		

LCS (B066887-BS1)					Prepared: 01/29/13 Analyzed: 02/01/13					
Aroclor-1016	3.9	0.20	mg/Kg	4.00		97.4		40-140		
Aroclor-1016 [2C]	4.1	0.20	mg/Kg	4.00		103		40-140		
Aroclor-1260	4.0	0.20	mg/Kg	4.00		101		40-140		
Aroclor-1260 [2C]	3.8	0.20	mg/Kg	4.00		93.9		40-140		
Surrogate: Decachlorobiphenyl	4.13		mg/Kg	4.00		103		30-150		
Surrogate: Decachlorobiphenyl [2C]	3.73		mg/Kg	4.00		93.2		30-150		
Surrogate: Tetrachloro-m-xylene	3.91		mg/Kg	4.00		97.9		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	4.00		mg/Kg	4.00		100		30-150		

LCS Dup (B066887-BSD1)					Prepared: 01/29/13 Analyzed: 02/01/13					
Aroclor-1016	4.0	0.20	mg/Kg	4.00		99.0		40-140	1.56	30
Aroclor-1016 [2C]	4.3	0.20	mg/Kg	4.00		107		40-140	4.26	30
Aroclor-1260	3.9	0.20	mg/Kg	4.00		96.7		40-140	4.40	30
Aroclor-1260 [2C]	3.6	0.20	mg/Kg	4.00		90.5		40-140	3.67	30
Surrogate: Decachlorobiphenyl	3.83		mg/Kg	4.00		95.7		30-150		
Surrogate: Decachlorobiphenyl [2C]	3.46		mg/Kg	4.00		86.6		30-150		
Surrogate: Tetrachloro-m-xylene	3.94		mg/Kg	4.00		98.5		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.

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	12/30/2013
NC	North Carolina Div. of Water Quality	652	12/31/2013
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: 413-525-2332
F: 413-525-6405
www.contestlabs.com



Sample Receipt Checklist

CLIENT NAME: AMC

RECEIVED BY:

KKM

DATE: 1/29/13

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

3.5

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	1
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

July 23, 2012

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

Project Location: Rodger Ludlowe H.S.

Client Job Number:

Project Number: [none]

Laboratory Work Order Number: 12G0487

Enclosed are results of analyses for samples received by the laboratory on July 16, 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: 7/23/2012

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

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12G0487

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

PROJECT LOCATION: Rodger Ludlowe H.S.

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
7-14 PCB 01	12G0487-01	Caulk		SW-846 8082A	
7-14 PCB 02	12G0487-02	Caulk		SW-846 8082A	
7-14 PCB 03	12G0487-03	Caulk		SW-846 8082A	
7-14 PCB 04	12G0487-04	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]

12G0487-01[7-14 PCB 01], 12G0487-02[7-14 PCB 02], 12G0487-03[7-14 PCB 03], 12G0487-04[7-14 PCB 04]

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

12G0487-01[7-14 PCB 01], 12G0487-02[7-14 PCB 02], 12G0487-03[7-14 PCB 03], 12G0487-04[7-14 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.



Michael A. Erickson
Laboratory Director

Project Location: Rodger Ludlowe H.S.

Sample Description:

Work Order: 12G0487

Date Received: 7/16/2012

Field Sample #: 7-14 PCB 01

Sampled: 7/14/2012 00:00

Sample ID: 12G0487-01

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	9900	mg/Kg	50000		SW-846 8082A	7/16/12	7/20/12 6:38	MJC
Aroclor-1221 [1]	ND	9900	mg/Kg	50000		SW-846 8082A	7/16/12	7/20/12 6:38	MJC
Aroclor-1232 [1]	ND	9900	mg/Kg	50000		SW-846 8082A	7/16/12	7/20/12 6:38	MJC
Aroclor-1242 [1]	ND	9900	mg/Kg	50000		SW-846 8082A	7/16/12	7/20/12 6:38	MJC
Aroclor-1248 [1]	ND	9900	mg/Kg	50000		SW-846 8082A	7/16/12	7/20/12 6:38	MJC
Aroclor-1254 [1]	69000	9900	mg/Kg	50000	V-24	SW-846 8082A	7/16/12	7/20/12 6:38	MJC
Aroclor-1260 [1]	ND	9900	mg/Kg	50000		SW-846 8082A	7/16/12	7/20/12 6:38	MJC
Aroclor-1262 [1]	ND	9900	mg/Kg	50000		SW-846 8082A	7/16/12	7/20/12 6:38	MJC
Aroclor-1268 [1]	ND	9900	mg/Kg	50000		SW-846 8082A	7/16/12	7/20/12 6:38	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			7/20/12 6:38	
Decachlorobiphenyl [2]		*	30-150		S-01			7/20/12 6:38	
Tetrachloro-m-xylene [1]		*	30-150		S-01			7/20/12 6:38	
Tetrachloro-m-xylene [2]		*	30-150		S-01			7/20/12 6:38	

Project Location: Rodger Ludlowe H.S.

Sample Description:

Work Order: 12G0487

Date Received: 7/16/2012

Field Sample #: 7-14 PCB 02

Sampled: 7/14/2012 00:00

Sample ID: 12G0487-02

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	9500	mg/Kg	50000		SW-846 8082A	7/16/12	7/20/12 6:51	MJC
Aroclor-1221 [1]	ND	9500	mg/Kg	50000		SW-846 8082A	7/16/12	7/20/12 6:51	MJC
Aroclor-1232 [1]	ND	9500	mg/Kg	50000		SW-846 8082A	7/16/12	7/20/12 6:51	MJC
Aroclor-1242 [1]	ND	9500	mg/Kg	50000		SW-846 8082A	7/16/12	7/20/12 6:51	MJC
Aroclor-1248 [1]	ND	9500	mg/Kg	50000		SW-846 8082A	7/16/12	7/20/12 6:51	MJC
Aroclor-1254 [1]	110000	9500	mg/Kg	50000	V-24	SW-846 8082A	7/16/12	7/20/12 6:51	MJC
Aroclor-1260 [1]	ND	9500	mg/Kg	50000		SW-846 8082A	7/16/12	7/20/12 6:51	MJC
Aroclor-1262 [1]	ND	9500	mg/Kg	50000		SW-846 8082A	7/16/12	7/20/12 6:51	MJC
Aroclor-1268 [1]	ND	9500	mg/Kg	50000		SW-846 8082A	7/16/12	7/20/12 6:51	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			7/20/12 6:51	
Decachlorobiphenyl [2]		*	30-150		S-01			7/20/12 6:51	
Tetrachloro-m-xylene [1]		*	30-150		S-01			7/20/12 6:51	
Tetrachloro-m-xylene [2]		*	30-150		S-01			7/20/12 6:51	

Project Location: Rodger Ludlowe H.S.

Sample Description:

Work Order: 12G0487

Date Received: 7/16/2012

Field Sample #: 7-14 PCB 03

Sampled: 7/14/2012 00:00

Sample ID: 12G0487-03

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	3600	mg/Kg	20000		SW-846 8082A	7/16/12	7/20/12 7:04	MJC
Aroclor-1221 [1]	ND	3600	mg/Kg	20000		SW-846 8082A	7/16/12	7/20/12 7:04	MJC
Aroclor-1232 [1]	ND	3600	mg/Kg	20000		SW-846 8082A	7/16/12	7/20/12 7:04	MJC
Aroclor-1242 [1]	ND	3600	mg/Kg	20000		SW-846 8082A	7/16/12	7/20/12 7:04	MJC
Aroclor-1248 [1]	ND	3600	mg/Kg	20000		SW-846 8082A	7/16/12	7/20/12 7:04	MJC
Aroclor-1254 [1]	56000	3600	mg/Kg	20000	V-24	SW-846 8082A	7/16/12	7/20/12 7:04	MJC
Aroclor-1260 [1]	ND	3600	mg/Kg	20000		SW-846 8082A	7/16/12	7/20/12 7:04	MJC
Aroclor-1262 [1]	ND	3600	mg/Kg	20000		SW-846 8082A	7/16/12	7/20/12 7:04	MJC
Aroclor-1268 [1]	ND	3600	mg/Kg	20000		SW-846 8082A	7/16/12	7/20/12 7:04	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			7/20/12 7:04	
Decachlorobiphenyl [2]		*	30-150		S-01			7/20/12 7:04	
Tetrachloro-m-xylene [1]		*	30-150		S-01			7/20/12 7:04	
Tetrachloro-m-xylene [2]		*	30-150		S-01			7/20/12 7:04	

Project Location: Rodger Ludlowe H.S.

Sample Description:

Work Order: 12G0487

Date Received: 7/16/2012

Field Sample #: 7-14 PCB 04

Sampled: 7/14/2012 00:00

Sample ID: 12G0487-04

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	3400	mg/Kg	20000		SW-846 8082A	7/16/12	7/20/12 7:17	MJC
Aroclor-1221 [1]	ND	3400	mg/Kg	20000		SW-846 8082A	7/16/12	7/20/12 7:17	MJC
Aroclor-1232 [1]	ND	3400	mg/Kg	20000		SW-846 8082A	7/16/12	7/20/12 7:17	MJC
Aroclor-1242 [1]	ND	3400	mg/Kg	20000		SW-846 8082A	7/16/12	7/20/12 7:17	MJC
Aroclor-1248 [1]	ND	3400	mg/Kg	20000		SW-846 8082A	7/16/12	7/20/12 7:17	MJC
Aroclor-1254 [1]	78000	3400	mg/Kg	20000	V-24	SW-846 8082A	7/16/12	7/20/12 7:17	MJC
Aroclor-1260 [1]	ND	3400	mg/Kg	20000		SW-846 8082A	7/16/12	7/20/12 7:17	MJC
Aroclor-1262 [1]	ND	3400	mg/Kg	20000		SW-846 8082A	7/16/12	7/20/12 7:17	MJC
Aroclor-1268 [1]	ND	3400	mg/Kg	20000		SW-846 8082A	7/16/12	7/20/12 7:17	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			7/20/12 7:17	
Decachlorobiphenyl [2]		*	30-150		S-01			7/20/12 7:17	
Tetrachloro-m-xylene [1]		*	30-150		S-01			7/20/12 7:17	
Tetrachloro-m-xylene [2]		*	30-150		S-01			7/20/12 7:17	

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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
12G0487-01 [7-14 PCB 01]	B055130	0.505	10.0	07/16/12
12G0487-02 [7-14 PCB 02]	B055130	0.528	10.0	07/16/12
12G0487-03 [7-14 PCB 03]	B055130	0.557	10.0	07/16/12
12G0487-04 [7-14 PCB 04]	B055130	0.590	10.0	07/16/12

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 B055130 - SW-846 3540C

Blank (B055130-BLK1)					Prepared: 07/16/12 Analyzed: 07/19/12					
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	3.40		mg/Kg	4.00		84.9		30-150		
Surrogate: Decachlorobiphenyl [2C]	2.92		mg/Kg	4.00		73.1		30-150		
Surrogate: Tetrachloro-m-xylene	3.48		mg/Kg	4.00		87.1		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	2.71		mg/Kg	4.00		67.8		30-150		

LCS (B055130-BS1)					Prepared: 07/16/12 Analyzed: 07/19/12					
Aroclor-1016	3.6	0.20	mg/Kg	4.00		89.6		40-140		
Aroclor-1016 [2C]	2.7	0.20	mg/Kg	4.00		68.6		40-140		
Aroclor-1260	3.4	0.20	mg/Kg	4.00		85.0		40-140		
Aroclor-1260 [2C]	2.5	0.20	mg/Kg	4.00		62.0		40-140		
Surrogate: Decachlorobiphenyl	3.21		mg/Kg	4.00		80.3		30-150		
Surrogate: Decachlorobiphenyl [2C]	2.63		mg/Kg	4.00		65.7		30-150		
Surrogate: Tetrachloro-m-xylene	3.81		mg/Kg	4.00		95.2		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	2.98		mg/Kg	4.00		74.6		30-150		

LCS Dup (B055130-BSD1)					Prepared: 07/16/12 Analyzed: 07/19/12					
Aroclor-1016	4.3	0.20	mg/Kg	4.00		107		40-140	18.0	30
Aroclor-1016 [2C]	3.0	0.20	mg/Kg	4.00		74.5		40-140	8.28	30
Aroclor-1260	3.7	0.20	mg/Kg	4.00		92.9		40-140	8.89	30
Aroclor-1260 [2C]	2.7	0.20	mg/Kg	4.00		68.3		40-140	9.80	30
Surrogate: Decachlorobiphenyl	3.40		mg/Kg	4.00		84.9		30-150		
Surrogate: Decachlorobiphenyl [2C]	2.84		mg/Kg	4.00		71.0		30-150		
Surrogate: Tetrachloro-m-xylene	4.00		mg/Kg	4.00		100		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	3.16		mg/Kg	4.00		79.1		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.
- 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
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

ANALYTICAL LABORATORY
Email: info@contestlabs.com
www.contestlabs.com

12 G, D487

Rev 04.05.12

Company Name: Amc Environmental
 Address: 622 Clinton Ave
 Telephone:
 Project #

Attention:

Project Location: Bridgewater, MASampled By: Tester Probs

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

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



Sample Receipt Checklist

CLIENT NAME: AMC Environmental RECEIVED BY: SD DATE: 7/16/12

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 34

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>4</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 _____	Page 13 of 13

LABORATORY RESULTS

PCB Substrate Sample Results

August 3, 2012

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

Project Location: Fairfield Ludlowe HS
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 12G0984

Enclosed are results of analyses for samples received by the laboratory on July 30, 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: 12G0984

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

PROJECT LOCATION: Fairfield Ludlowe HS

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
7-28-SUB-01-1	12G0984-01	Concrete		SW-846 8082A	
7-28-SUB-01-2	12G0984-02	Concrete		SW-846 8082A	
7-28-SUB-01-3	12G0984-03	Concrete		SW-846 8082A	
7-28-SUB-01-4	12G0984-04	Concrete		SW-846 8082A	
7-28-SUB-02-1	12G0984-05	Concrete		SW-846 8082A	
7-28-SUB-02-2	12G0984-06	Concrete		SW-846 8082A	
7-28-SUB-02-3	12G0984-07	Concrete		SW-846 8082A	
7-28-SUB-02-4	12G0984-08	Concrete		SW-846 8082A	
7-28-SUB-03-1	12G0984-09	Brick		SW-846 8082A	
7-28-SUB-03-2	12G0984-10	Brick		SW-846 8082A	
7-28-SUB-03-3	12G0984-11	Brick		SW-846 8082A	
7-28-SUB-04-1	12G0984-12	Brick		SW-846 8082A	
7-28-SUB-04-2	12G0984-13	Brick		SW-846 8082A	
7-28-SUB-04-3	12G0984-14	Brick		SW-846 8082A	
7-28-SUB-05-1	12G0984-15	Brick		SW-846 8082A	
7-28-SUB-05-2	12G0984-16	Brick		SW-846 8082A	
7-28-SUB-05-3	12G0984-17	Brick		SW-846 8082A	
7-28-SUB-06-1	12G0984-18	Brick		SW-846 8082A	
7-28-SUB-06-2	12G0984-19	Brick		SW-846 8082A	
7-28-SUB-06-3	12G0984-20	Brick		SW-846 8082A	
7-28-SUB-07-1	12G0984-21	Concrete		SW-846 8082A	
7-28-SUB-07-2	12G0984-22	Concrete		SW-846 8082A	
7-28-SUB-08-1	12G0984-23	Concrete		SW-846 8082A	
7-28-SUB-08-2	12G0984-24	Concrete		SW-846 8082A	
7-28-SUB-08-3	12G0984-25	Concrete		SW-846 8082A	
7-28-SUB-09-1	12G0984-26	Concrete		SW-846 8082A	
7-28-SUB-09-2	12G0984-27	Concrete		SW-846 8082A	
7-28-SUB-09-3	12G0984-28	Concrete		SW-846 8082A	
7-28-SUB-10-1	12G0984-29	Brick		SW-846 8082A	
7-28-SUB-10-2	12G0984-30	Brick		SW-846 8082A	
7-28-SUB-10-3	12G0984-31	Brick		SW-846 8082A	
7-28-SUB-11-1	12G0984-32	Brick		SW-846 8082A	
7-28-SUB-11-2	12G0984-33	Brick		SW-846 8082A	
7-28-SUB-11-3	12G0984-34	Brick		SW-846 8082A	

CASE NARRATIVE SUMMARY

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

SW-846 8082A

Qualifications:

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

Analyte & Samples(s) Qualified:

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

B056144-MS1, B056144-MSD1

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

Analyte & Samples(s) Qualified:

Aroclor-1254

12G0984-24[7-28-SUB-08-2], 12G0984-25[7-28-SUB-08-3], 12G0984-27[7-28-SUB-09-2]

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

Analyte & Samples(s) Qualified:

Aroclor-1248

12G0984-23[7-28-SUB-08-1]

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]

12G0984-04[7-28-SUB-01-4], 12G0984-06[7-28-SUB-02-2], 12G0984-08[7-28-SUB-02-4]

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: Fairfield Ludlowe HS

Sample Description:

Work Order: 12G0984

Date Received: 7/30/2012

Field Sample #: 7-28-SUB-01-1

Sampled: 7/28/2012 00:00

Sample ID: 12G0984-01

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	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 15:34	MJC
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 15:34	MJC
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 15:34	MJC
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 15:34	MJC
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 15:34	MJC
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 15:34	MJC
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 15:34	MJC
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 15:34	MJC
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 15:34	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	95.0	30-150							8/1/12 15:34
Decachlorobiphenyl [2]	92.1	30-150							8/1/12 15:34
Tetrachloro-m-xylene [1]	84.9	30-150							8/1/12 15:34
Tetrachloro-m-xylene [2]	86.2	30-150							8/1/12 15:34

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

Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12G0984

Date Received: 7/30/2012

Field Sample #: 7-28-SUB-01-2

Sampled: 7/28/2012 00:00

Sample ID: 12G0984-02

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	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 15:47	MJC
Aroclor-1221 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 15:47	MJC
Aroclor-1232 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 15:47	MJC
Aroclor-1242 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 15:47	MJC
Aroclor-1248 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 15:47	MJC
Aroclor-1254 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 15:47	MJC
Aroclor-1260 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 15:47	MJC
Aroclor-1262 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 15:47	MJC
Aroclor-1268 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 15:47	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	94.8	30-150							8/1/12 15:47
Decachlorobiphenyl [2]	91.9	30-150							8/1/12 15:47
Tetrachloro-m-xylene [1]	83.7	30-150							8/1/12 15:47
Tetrachloro-m-xylene [2]	84.9	30-150							8/1/12 15:47

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

Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12G0984

Date Received: 7/30/2012

Field Sample #: 7-28-SUB-01-3

Sampled: 7/28/2012 00:00

Sample ID: 12G0984-03

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	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 16:00	MJC
Aroclor-1221 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 16:00	MJC
Aroclor-1232 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 16:00	MJC
Aroclor-1242 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 16:00	MJC
Aroclor-1248 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 16:00	MJC
Aroclor-1254 [2]	0.38	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 16:00	MJC
Aroclor-1260 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 16:00	MJC
Aroclor-1262 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 16:00	MJC
Aroclor-1268 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 16:00	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	96.6	30-150							8/1/12 16:00
Decachlorobiphenyl [2]	93.3	30-150							8/1/12 16:00
Tetrachloro-m-xylene [1]	84.7	30-150							8/1/12 16:00
Tetrachloro-m-xylene [2]	86.5	30-150							8/1/12 16:00

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

Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12G0984

Date Received: 7/30/2012

Sampled: 7/28/2012 00:00

Field Sample #: 7-28-SUB-01-4

Sample ID: 12G0984-04

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	4.5	mg/Kg	50		SW-846 8082A	7/31/12	8/2/12 13:21	MJC
Aroclor-1221 [1]	ND	4.5	mg/Kg	50		SW-846 8082A	7/31/12	8/2/12 13:21	MJC
Aroclor-1232 [1]	ND	4.5	mg/Kg	50		SW-846 8082A	7/31/12	8/2/12 13:21	MJC
Aroclor-1242 [1]	ND	4.5	mg/Kg	50		SW-846 8082A	7/31/12	8/2/12 13:21	MJC
Aroclor-1248 [1]	ND	4.5	mg/Kg	50		SW-846 8082A	7/31/12	8/2/12 13:21	MJC
Aroclor-1254 [1]	34	4.5	mg/Kg	50		SW-846 8082A	7/31/12	8/2/12 13:21	MJC
Aroclor-1260 [1]	ND	4.5	mg/Kg	50		SW-846 8082A	7/31/12	8/2/12 13:21	MJC
Aroclor-1262 [1]	ND	4.5	mg/Kg	50		SW-846 8082A	7/31/12	8/2/12 13:21	MJC
Aroclor-1268 [1]	ND	4.5	mg/Kg	50		SW-846 8082A	7/31/12	8/2/12 13:21	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	*	30-150		S-01					8/2/12 13:21
Decachlorobiphenyl [2]	*	30-150		S-01					8/2/12 13:21
Tetrachloro-m-xylene [1]	*	30-150		S-01					8/2/12 13:21
Tetrachloro-m-xylene [2]	*	30-150		S-01					8/2/12 13:21

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

Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12G0984

Date Received: 7/30/2012

Field Sample #: 7-28-SUB-02-1

Sampled: 7/28/2012 00:00

Sample ID: 12G0984-05

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	7/31/12	8/1/12 16:25	MJC
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 16:25	MJC
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 16:25	MJC
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 16:25	MJC
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 16:25	MJC
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 16:25	MJC
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 16:25	MJC
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 16:25	MJC
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 16:25	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	92.7	30-150							8/1/12 16:25
Decachlorobiphenyl [2]	90.7	30-150							8/1/12 16:25
Tetrachloro-m-xylene [1]	82.3	30-150							8/1/12 16:25
Tetrachloro-m-xylene [2]	83.9	30-150							8/1/12 16:25

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12G0984

Date Received: 7/30/2012

Field Sample #: 7-28-SUB-02-2

Sampled: 7/28/2012 00:00

Sample ID: 12G0984-06

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	4.5	mg/Kg	50		SW-846 8082A	7/31/12	8/2/12 13:34	MJC
Aroclor-1221 [1]	ND	4.5	mg/Kg	50		SW-846 8082A	7/31/12	8/2/12 13:34	MJC
Aroclor-1232 [1]	ND	4.5	mg/Kg	50		SW-846 8082A	7/31/12	8/2/12 13:34	MJC
Aroclor-1242 [1]	ND	4.5	mg/Kg	50		SW-846 8082A	7/31/12	8/2/12 13:34	MJC
Aroclor-1248 [1]	ND	4.5	mg/Kg	50		SW-846 8082A	7/31/12	8/2/12 13:34	MJC
Aroclor-1254 [1]	27	4.5	mg/Kg	50		SW-846 8082A	7/31/12	8/2/12 13:34	MJC
Aroclor-1260 [1]	ND	4.5	mg/Kg	50		SW-846 8082A	7/31/12	8/2/12 13:34	MJC
Aroclor-1262 [1]	ND	4.5	mg/Kg	50		SW-846 8082A	7/31/12	8/2/12 13:34	MJC
Aroclor-1268 [1]	ND	4.5	mg/Kg	50		SW-846 8082A	7/31/12	8/2/12 13:34	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	*	30-150		S-01					8/2/12 13:34
Decachlorobiphenyl [2]	*	30-150		S-01					8/2/12 13:34
Tetrachloro-m-xylene [1]	*	30-150		S-01					8/2/12 13:34
Tetrachloro-m-xylene [2]	*	30-150		S-01					8/2/12 13:34

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12G0984

Date Received: 7/30/2012

Field Sample #: 7-28-SUB-02-3

Sampled: 7/28/2012 00:00

Sample ID: 12G0984-07

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	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 16:51	MJC
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 16:51	MJC
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 16:51	MJC
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 16:51	MJC
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 16:51	MJC
Aroclor-1254 [2]	0.42	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 16:51	MJC
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 16:51	MJC
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 16:51	MJC
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 16:51	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	103	30-150						8/1/12 16:51	
Decachlorobiphenyl [2]	99.9	30-150						8/1/12 16:51	
Tetrachloro-m-xylene [1]	89.0	30-150						8/1/12 16:51	
Tetrachloro-m-xylene [2]	91.3	30-150						8/1/12 16:51	

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12G0984

Date Received: 7/30/2012

Sampled: 7/28/2012 00:00

Field Sample #: 7-28-SUB-02-4

Sample ID: 12G0984-08

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	4.5	mg/Kg	50		SW-846 8082A	7/31/12	8/2/12 13:47	MJC
Aroclor-1221 [1]	ND	4.5	mg/Kg	50		SW-846 8082A	7/31/12	8/2/12 13:47	MJC
Aroclor-1232 [1]	ND	4.5	mg/Kg	50		SW-846 8082A	7/31/12	8/2/12 13:47	MJC
Aroclor-1242 [1]	ND	4.5	mg/Kg	50		SW-846 8082A	7/31/12	8/2/12 13:47	MJC
Aroclor-1248 [1]	ND	4.5	mg/Kg	50		SW-846 8082A	7/31/12	8/2/12 13:47	MJC
Aroclor-1254 [1]	21	4.5	mg/Kg	50		SW-846 8082A	7/31/12	8/2/12 13:47	MJC
Aroclor-1260 [1]	ND	4.5	mg/Kg	50		SW-846 8082A	7/31/12	8/2/12 13:47	MJC
Aroclor-1262 [1]	ND	4.5	mg/Kg	50		SW-846 8082A	7/31/12	8/2/12 13:47	MJC
Aroclor-1268 [1]	ND	4.5	mg/Kg	50		SW-846 8082A	7/31/12	8/2/12 13:47	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	*	30-150		S-01					8/2/12 13:47
Decachlorobiphenyl [2]	*	30-150		S-01					8/2/12 13:47
Tetrachloro-m-xylene [1]	*	30-150		S-01					8/2/12 13:47
Tetrachloro-m-xylene [2]	*	30-150		S-01					8/2/12 13:47

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12G0984

Date Received: 7/30/2012

Field Sample #: 7-28-SUB-03-1

Sampled: 7/28/2012 00:00

Sample ID: 12G0984-09

Sample Matrix: Brick

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	7/31/12	8/1/12 17:17	MJC
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 17:17	MJC
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 17:17	MJC
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 17:17	MJC
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 17:17	MJC
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 17:17	MJC
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 17:17	MJC
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 17:17	MJC
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 17:17	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	105	30-150							8/1/12 17:17
Decachlorobiphenyl [2]	103	30-150							8/1/12 17:17
Tetrachloro-m-xylene [1]	90.4	30-150							8/1/12 17:17
Tetrachloro-m-xylene [2]	92.0	30-150							8/1/12 17:17

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12G0984

Date Received: 7/30/2012

Field Sample #: 7-28-SUB-03-2

Sampled: 7/28/2012 00:00

Sample ID: 12G0984-10

Sample Matrix: Brick

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	7/31/12	8/1/12 18:08	MJC
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:08	MJC
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:08	MJC
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:08	MJC
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:08	MJC
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:08	MJC
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:08	MJC
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:08	MJC
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:08	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	105	30-150							8/1/12 18:08
Decachlorobiphenyl [2]	104	30-150							8/1/12 18:08
Tetrachloro-m-xylene [1]	90.9	30-150							8/1/12 18:08
Tetrachloro-m-xylene [2]	92.9	30-150							8/1/12 18:08

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12G0984

Date Received: 7/30/2012

Field Sample #: 7-28-SUB-03-3

Sampled: 7/28/2012 00:00

Sample ID: 12G0984-11

Sample Matrix: Brick

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	7/31/12	8/1/12 18:21	MJC
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:21	MJC
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:21	MJC
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:21	MJC
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:21	MJC
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:21	MJC
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:21	MJC
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:21	MJC
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:21	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	104	30-150							8/1/12 18:21
Decachlorobiphenyl [2]	102	30-150							8/1/12 18:21
Tetrachloro-m-xylene [1]	86.3	30-150							8/1/12 18:21
Tetrachloro-m-xylene [2]	88.1	30-150							8/1/12 18:21

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12G0984

Date Received: 7/30/2012

Field Sample #: 7-28-SUB-04-1

Sampled: 7/28/2012 00:00

Sample ID: 12G0984-12

Sample Matrix: Brick

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	7/31/12	8/1/12 18:34	MJC
Aroclor-1221 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:34	MJC
Aroclor-1232 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:34	MJC
Aroclor-1242 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:34	MJC
Aroclor-1248 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:34	MJC
Aroclor-1254 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:34	MJC
Aroclor-1260 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:34	MJC
Aroclor-1262 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:34	MJC
Aroclor-1268 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:34	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	105	30-150							8/1/12 18:34
Decachlorobiphenyl [2]	103	30-150							8/1/12 18:34
Tetrachloro-m-xylene [1]	90.4	30-150							8/1/12 18:34
Tetrachloro-m-xylene [2]	92.1	30-150							8/1/12 18:34

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12G0984

Date Received: 7/30/2012

Sampled: 7/28/2012 00:00

Field Sample #: 7-28-SUB-04-2

Sample ID: 12G0984-13

Sample Matrix: Brick

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	7/31/12	8/1/12 18:47	MJC
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:47	MJC
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:47	MJC
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:47	MJC
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:47	MJC
Aroclor-1254 [1]	0.13	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:47	MJC
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:47	MJC
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:47	MJC
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:47	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	110	30-150							8/1/12 18:47
Decachlorobiphenyl [2]	109	30-150							8/1/12 18:47
Tetrachloro-m-xylene [1]	93.4	30-150							8/1/12 18:47
Tetrachloro-m-xylene [2]	95.3	30-150							8/1/12 18:47

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12G0984

Date Received: 7/30/2012

Field Sample #: 7-28-SUB-04-3

Sampled: 7/28/2012 00:00

Sample ID: 12G0984-14

Sample Matrix: Brick

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	7/31/12	8/1/12 18:59	MJC
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:59	MJC
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:59	MJC
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:59	MJC
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:59	MJC
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:59	MJC
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:59	MJC
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:59	MJC
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:59	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	107	30-150							8/1/12 18:59
Decachlorobiphenyl [2]	106	30-150							8/1/12 18:59
Tetrachloro-m-xylene [1]	91.7	30-150							8/1/12 18:59
Tetrachloro-m-xylene [2]	93.4	30-150							8/1/12 18:59

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12G0984

Date Received: 7/30/2012

Field Sample #: 7-28-SUB-05-1

Sampled: 7/28/2012 00:00

Sample ID: 12G0984-15

Sample Matrix: Brick

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	7/31/12	8/1/12 19:12	MJC
Aroclor-1221 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:12	MJC
Aroclor-1232 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:12	MJC
Aroclor-1242 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:12	MJC
Aroclor-1248 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:12	MJC
Aroclor-1254 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:12	MJC
Aroclor-1260 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:12	MJC
Aroclor-1262 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:12	MJC
Aroclor-1268 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:12	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	99.2	30-150							8/1/12 19:12
Decachlorobiphenyl [2]	97.3	30-150							8/1/12 19:12
Tetrachloro-m-xylene [1]	82.7	30-150							8/1/12 19:12
Tetrachloro-m-xylene [2]	84.4	30-150							8/1/12 19:12

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12G0984

Date Received: 7/30/2012

Field Sample #: 7-28-SUB-05-2

Sampled: 7/28/2012 00:00

Sample ID: 12G0984-16

Sample Matrix: Brick

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	7/31/12	8/1/12 19:25	MJC
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:25	MJC
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:25	MJC
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:25	MJC
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:25	MJC
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:25	MJC
Aroclor-1260 [2]	0.58	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:25	MJC
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:25	MJC
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:25	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	106	30-150						8/1/12 19:25	
Decachlorobiphenyl [2]	105	30-150						8/1/12 19:25	
Tetrachloro-m-xylene [1]	91.0	30-150						8/1/12 19:25	
Tetrachloro-m-xylene [2]	93.1	30-150						8/1/12 19:25	

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12G0984

Date Received: 7/30/2012

Field Sample #: 7-28-SUB-05-3

Sampled: 7/28/2012 00:00

Sample ID: 12G0984-17

Sample Matrix: Brick

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	7/31/12	8/1/12 19:38	MJC
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:38	MJC
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:38	MJC
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:38	MJC
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:38	MJC
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:38	MJC
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:38	MJC
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:38	MJC
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:38	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	106	30-150							8/1/12 19:38
Decachlorobiphenyl [2]	105	30-150							8/1/12 19:38
Tetrachloro-m-xylene [1]	92.0	30-150							8/1/12 19:38
Tetrachloro-m-xylene [2]	94.1	30-150							8/1/12 19:38

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12G0984

Date Received: 7/30/2012

Sampled: 7/28/2012 00:00

Field Sample #: 7-28-SUB-06-1

Sample ID: 12G0984-18

Sample Matrix: Brick

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	7/31/12	8/1/12 19:51	MJC
Aroclor-1221 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:51	MJC
Aroclor-1232 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:51	MJC
Aroclor-1242 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:51	MJC
Aroclor-1248 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:51	MJC
Aroclor-1254 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:51	MJC
Aroclor-1260 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:51	MJC
Aroclor-1262 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:51	MJC
Aroclor-1268 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:51	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	100	30-150							8/1/12 19:51
Decachlorobiphenyl [2]	99.1	30-150							8/1/12 19:51
Tetrachloro-m-xylene [1]	84.6	30-150							8/1/12 19:51
Tetrachloro-m-xylene [2]	86.4	30-150							8/1/12 19:51

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12G0984

Date Received: 7/30/2012

Field Sample #: 7-28-SUB-06-2

Sampled: 7/28/2012 00:00

Sample ID: 12G0984-19

Sample Matrix: Brick

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	7/31/12	8/1/12 20:04	MJC
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 20:04	MJC
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 20:04	MJC
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 20:04	MJC
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 20:04	MJC
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 20:04	MJC
Aroclor-1260 [2]	0.22	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 20:04	MJC
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 20:04	MJC
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 20:04	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	106	30-150							8/1/12 20:04
Decachlorobiphenyl [2]	107	30-150							8/1/12 20:04
Tetrachloro-m-xylene [1]	91.0	30-150							8/1/12 20:04
Tetrachloro-m-xylene [2]	94.4	30-150							8/1/12 20:04

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12G0984

Date Received: 7/30/2012

Field Sample #: 7-28-SUB-06-3

Sampled: 7/28/2012 00:00

Sample ID: 12G0984-20

Sample Matrix: Brick

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	7/31/12	8/1/12 20:17	MJC
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 20:17	MJC
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 20:17	MJC
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 20:17	MJC
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 20:17	MJC
Aroclor-1254 [1]	0.73	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 20:17	MJC
Aroclor-1260 [2]	0.40	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 20:17	MJC
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 20:17	MJC
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 20:17	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	102	30-150							8/1/12 20:17
Decachlorobiphenyl [2]	103	30-150							8/1/12 20:17
Tetrachloro-m-xylene [1]	86.5	30-150							8/1/12 20:17
Tetrachloro-m-xylene [2]	87.9	30-150							8/1/12 20:17

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12G0984

Date Received: 7/30/2012

Field Sample #: 7-28-SUB-07-1

Sampled: 7/28/2012 00:00

Sample ID: 12G0984-21

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	7/31/12	8/1/12 16:48	MJC
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 16:48	MJC
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 16:48	MJC
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 16:48	MJC
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 16:48	MJC
Aroclor-1254 [2]	0.43	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 16:48	MJC
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 16:48	MJC
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 16:48	MJC
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 16:48	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	92.0	30-150							8/1/12 16:48
Decachlorobiphenyl [2]	89.3	30-150							8/1/12 16:48
Tetrachloro-m-xylene [1]	99.0	30-150							8/1/12 16:48
Tetrachloro-m-xylene [2]	94.8	30-150							8/1/12 16:48

Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12G0984

Date Received: 7/30/2012

Field Sample #: 7-28-SUB-07-2

Sampled: 7/28/2012 00:00

Sample ID: 12G0984-22

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	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 17:01	MJC
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 17:01	MJC
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 17:01	MJC
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 17:01	MJC
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 17:01	MJC
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 17:01	MJC
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 17:01	MJC
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 17:01	MJC
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 17:01	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		98.1	30-150					8/1/12 17:01	
Decachlorobiphenyl [2]		95.1	30-150					8/1/12 17:01	
Tetrachloro-m-xylene [1]		97.7	30-150					8/1/12 17:01	
Tetrachloro-m-xylene [2]		93.6	30-150					8/1/12 17:01	

Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12G0984

Date Received: 7/30/2012

Field Sample #: 7-28-SUB-08-1

Sampled: 7/28/2012 00:00

Sample ID: 12G0984-23

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	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 17:14	MJC
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 17:14	MJC
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 17:14	MJC
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 17:14	MJC
Aroclor-1248 [1]	0.47	0.091	mg/Kg	1	O-04	SW-846 8082A	7/31/12	8/1/12 17:14	MJC
Aroclor-1254 [1]	0.24	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 17:14	MJC
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 17:14	MJC
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 17:14	MJC
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 17:14	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	96.0	30-150						8/1/12 17:14	
Decachlorobiphenyl [2]	93.9	30-150						8/1/12 17:14	
Tetrachloro-m-xylene [1]	100	30-150						8/1/12 17:14	
Tetrachloro-m-xylene [2]	96.8	30-150						8/1/12 17:14	

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12G0984

Date Received: 7/30/2012

Field Sample #: 7-28-SUB-08-2

Sampled: 7/28/2012 00:00

Sample ID: 12G0984-24

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	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 17:27	MJC
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 17:27	MJC
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 17:27	MJC
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 17:27	MJC
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 17:27	MJC
Aroclor-1254 [1]	0.82	0.091	mg/Kg	1	O-03	SW-846 8082A	7/31/12	8/1/12 17:27	MJC
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 17:27	MJC
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 17:27	MJC
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 17:27	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	89.7	30-150							8/1/12 17:27
Decachlorobiphenyl [2]	88.8	30-150							8/1/12 17:27
Tetrachloro-m-xylene [1]	92.4	30-150							8/1/12 17:27
Tetrachloro-m-xylene [2]	89.2	30-150							8/1/12 17:27

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12G0984

Date Received: 7/30/2012

Field Sample #: 7-28-SUB-08-3

Sampled: 7/28/2012 00:00

Sample ID: 12G0984-25

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	0.45	mg/Kg	5		SW-846 8082A	7/31/12	8/2/12 9:17	MJC
Aroclor-1221 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	7/31/12	8/2/12 9:17	MJC
Aroclor-1232 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	7/31/12	8/2/12 9:17	MJC
Aroclor-1242 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	7/31/12	8/2/12 9:17	MJC
Aroclor-1248 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	7/31/12	8/2/12 9:17	MJC
Aroclor-1254 [1]	2.3	0.45	mg/Kg	5	O-03	SW-846 8082A	7/31/12	8/2/12 9:17	MJC
Aroclor-1260 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	7/31/12	8/2/12 9:17	MJC
Aroclor-1262 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	7/31/12	8/2/12 9:17	MJC
Aroclor-1268 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	7/31/12	8/2/12 9:17	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	88.0	30-150						8/2/12 9:17	
Decachlorobiphenyl [2]	86.4	30-150						8/2/12 9:17	
Tetrachloro-m-xylene [1]	90.2	30-150						8/2/12 9:17	
Tetrachloro-m-xylene [2]	93.9	30-150						8/2/12 9:17	

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12G0984

Date Received: 7/30/2012

Field Sample #: 7-28-SUB-09-1

Sampled: 7/28/2012 00:00

Sample ID: 12G0984-26

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	7/31/12	8/1/12 17:53	MJC
Aroclor-1221 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 17:53	MJC
Aroclor-1232 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 17:53	MJC
Aroclor-1242 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 17:53	MJC
Aroclor-1248 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 17:53	MJC
Aroclor-1254 [2]	0.17	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 17:53	MJC
Aroclor-1260 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 17:53	MJC
Aroclor-1262 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 17:53	MJC
Aroclor-1268 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 17:53	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	89.0	30-150							8/1/12 17:53
Decachlorobiphenyl [2]	88.2	30-150							8/1/12 17:53
Tetrachloro-m-xylene [1]	94.8	30-150							8/1/12 17:53
Tetrachloro-m-xylene [2]	91.5	30-150							8/1/12 17:53

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12G0984

Date Received: 7/30/2012

Field Sample #: 7-28-SUB-09-2

Sampled: 7/28/2012 00:00

Sample ID: 12G0984-27

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	7/31/12	8/1/12 18:06	MJC
Aroclor-1221 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:06	MJC
Aroclor-1232 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:06	MJC
Aroclor-1242 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:06	MJC
Aroclor-1248 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:06	MJC
Aroclor-1254 [1]	0.68	0.087	mg/Kg	1	O-03	SW-846 8082A	7/31/12	8/1/12 18:06	MJC
Aroclor-1260 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:06	MJC
Aroclor-1262 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:06	MJC
Aroclor-1268 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:06	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	91.3	30-150							8/1/12 18:06
Decachlorobiphenyl [2]	90.1	30-150							8/1/12 18:06
Tetrachloro-m-xylene [1]	93.0	30-150							8/1/12 18:06
Tetrachloro-m-xylene [2]	89.8	30-150							8/1/12 18:06

Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12G0984

Date Received: 7/30/2012

Field Sample #: 7-28-SUB-09-3

Sampled: 7/28/2012 00:00

Sample ID: 12G0984-28

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	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:58	MJC
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:58	MJC
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:58	MJC
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:58	MJC
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:58	MJC
Aroclor-1254 [2]	0.81	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:58	MJC
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:58	MJC
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:58	MJC
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 18:58	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		86.5	30-150					8/1/12 18:58	
Decachlorobiphenyl [2]		85.7	30-150					8/1/12 18:58	
Tetrachloro-m-xylene [1]		90.7	30-150					8/1/12 18:58	
Tetrachloro-m-xylene [2]		87.9	30-150					8/1/12 18:58	

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12G0984

Date Received: 7/30/2012

Field Sample #: 7-28-SUB-10-1

Sampled: 7/28/2012 00:00

Sample ID: 12G0984-29

Sample Matrix: Brick

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	7/31/12	8/1/12 19:11	MJC
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:11	MJC
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:11	MJC
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:11	MJC
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:11	MJC
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:11	MJC
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:11	MJC
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:11	MJC
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:11	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	89.4	30-150							8/1/12 19:11
Decachlorobiphenyl [2]	87.8	30-150							8/1/12 19:11
Tetrachloro-m-xylene [1]	94.6	30-150							8/1/12 19:11
Tetrachloro-m-xylene [2]	91.0	30-150							8/1/12 19:11

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12G0984

Date Received: 7/30/2012

Field Sample #: 7-28-SUB-10-2

Sampled: 7/28/2012 00:00

Sample ID: 12G0984-30

Sample Matrix: Brick

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	7/31/12	8/1/12 19:24	MJC
Aroclor-1221 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:24	MJC
Aroclor-1232 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:24	MJC
Aroclor-1242 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:24	MJC
Aroclor-1248 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:24	MJC
Aroclor-1254 [2]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:24	MJC
Aroclor-1260 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:24	MJC
Aroclor-1262 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:24	MJC
Aroclor-1268 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:24	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	87.6	30-150							8/1/12 19:24
Decachlorobiphenyl [2]	86.1	30-150							8/1/12 19:24
Tetrachloro-m-xylene [1]	90.0	30-150							8/1/12 19:24
Tetrachloro-m-xylene [2]	86.8	30-150							8/1/12 19:24

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12G0984

Date Received: 7/30/2012

Field Sample #: 7-28-SUB-10-3

Sampled: 7/28/2012 00:00

Sample ID: 12G0984-31

Sample Matrix: Brick

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	7/31/12	8/1/12 19:37	MJC
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:37	MJC
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:37	MJC
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:37	MJC
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:37	MJC
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:37	MJC
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:37	MJC
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:37	MJC
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:37	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	90.3	30-150							8/1/12 19:37
Decachlorobiphenyl [2]	88.5	30-150							8/1/12 19:37
Tetrachloro-m-xylene [1]	93.5	30-150							8/1/12 19:37
Tetrachloro-m-xylene [2]	90.3	30-150							8/1/12 19:37

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12G0984

Date Received: 7/30/2012

Field Sample #: 7-28-SUB-11-1

Sampled: 7/28/2012 00:00

Sample ID: 12G0984-32

Sample Matrix: Brick

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	7/31/12	8/1/12 19:50	MJC
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:50	MJC
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:50	MJC
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:50	MJC
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:50	MJC
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:50	MJC
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:50	MJC
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:50	MJC
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 19:50	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	92.1	30-150						8/1/12 19:50	
Decachlorobiphenyl [2]	90.5	30-150						8/1/12 19:50	
Tetrachloro-m-xylene [1]	98.8	30-150						8/1/12 19:50	
Tetrachloro-m-xylene [2]	95.1	30-150						8/1/12 19:50	

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12G0984

Date Received: 7/30/2012

Field Sample #: 7-28-SUB-11-2

Sampled: 7/28/2012 00:00

Sample ID: 12G0984-33

Sample Matrix: Brick

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	7/31/12	8/1/12 20:03	MJC
Aroclor-1221 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 20:03	MJC
Aroclor-1232 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 20:03	MJC
Aroclor-1242 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 20:03	MJC
Aroclor-1248 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 20:03	MJC
Aroclor-1254 [2]	0.74	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 20:03	MJC
Aroclor-1260 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 20:03	MJC
Aroclor-1262 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 20:03	MJC
Aroclor-1268 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 20:03	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	96.9	30-150							8/1/12 20:03
Decachlorobiphenyl [2]	95.6	30-150							8/1/12 20:03
Tetrachloro-m-xylene [1]	102	30-150							8/1/12 20:03
Tetrachloro-m-xylene [2]	97.9	30-150							8/1/12 20:03

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12G0984

Date Received: 7/30/2012

Field Sample #: 7-28-SUB-11-3

Sampled: 7/28/2012 00:00

Sample ID: 12G0984-34

Sample Matrix: Brick

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	7/31/12	8/1/12 20:16	MJC
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 20:16	MJC
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 20:16	MJC
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 20:16	MJC
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 20:16	MJC
Aroclor-1254 [2]	0.80	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 20:16	MJC
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 20:16	MJC
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 20:16	MJC
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/31/12	8/1/12 20:16	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	93.6	30-150							8/1/12 20:16
Decachlorobiphenyl [2]	91.8	30-150							8/1/12 20:16
Tetrachloro-m-xylene [1]	99.5	30-150							8/1/12 20:16
Tetrachloro-m-xylene [2]	95.4	30-150							8/1/12 20:16

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
12G0984-01 [7-28-SUB-01-1]	B056143	2.10	10.0	07/31/12
12G0984-02 [7-28-SUB-01-2]	B056143	2.30	10.0	07/31/12
12G0984-03 [7-28-SUB-01-3]	B056143	2.30	10.0	07/31/12
12G0984-04 [7-28-SUB-01-4]	B056143	2.20	10.0	07/31/12
12G0984-05 [7-28-SUB-02-1]	B056143	2.10	10.0	07/31/12
12G0984-06 [7-28-SUB-02-2]	B056143	2.20	10.0	07/31/12
12G0984-07 [7-28-SUB-02-3]	B056143	2.10	10.0	07/31/12
12G0984-08 [7-28-SUB-02-4]	B056143	2.20	10.0	07/31/12
12G0984-09 [7-28-SUB-03-1]	B056143	2.20	10.0	07/31/12
12G0984-10 [7-28-SUB-03-2]	B056143	2.20	10.0	07/31/12
12G0984-11 [7-28-SUB-03-3]	B056143	2.20	10.0	07/31/12
12G0984-12 [7-28-SUB-04-1]	B056143	2.30	10.0	07/31/12
12G0984-13 [7-28-SUB-04-2]	B056143	2.10	10.0	07/31/12
12G0984-14 [7-28-SUB-04-3]	B056143	2.20	10.0	07/31/12
12G0984-15 [7-28-SUB-05-1]	B056143	2.30	10.0	07/31/12
12G0984-16 [7-28-SUB-05-2]	B056143	2.10	10.0	07/31/12
12G0984-17 [7-28-SUB-05-3]	B056143	2.20	10.0	07/31/12
12G0984-18 [7-28-SUB-06-1]	B056143	2.30	10.0	07/31/12
12G0984-19 [7-28-SUB-06-2]	B056143	2.10	10.0	07/31/12
12G0984-20 [7-28-SUB-06-3]	B056143	2.10	10.0	07/31/12

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
12G0984-21 [7-28-SUB-07-1]	B056144	2.10	10.0	07/31/12
12G0984-22 [7-28-SUB-07-2]	B056144	2.20	10.0	07/31/12
12G0984-23 [7-28-SUB-08-1]	B056144	2.20	10.0	07/31/12
12G0984-24 [7-28-SUB-08-2]	B056144	2.20	10.0	07/31/12
12G0984-25 [7-28-SUB-08-3]	B056144	2.20	10.0	07/31/12
12G0984-26 [7-28-SUB-09-1]	B056144	2.30	10.0	07/31/12
12G0984-27 [7-28-SUB-09-2]	B056144	2.30	10.0	07/31/12
12G0984-28 [7-28-SUB-09-3]	B056144	2.20	10.0	07/31/12
12G0984-29 [7-28-SUB-10-1]	B056144	2.20	10.0	07/31/12
12G0984-30 [7-28-SUB-10-2]	B056144	2.30	10.0	07/31/12
12G0984-31 [7-28-SUB-10-3]	B056144	2.20	10.0	07/31/12
12G0984-32 [7-28-SUB-11-1]	B056144	2.20	10.0	07/31/12
12G0984-33 [7-28-SUB-11-2]	B056144	2.30	10.0	07/31/12
12G0984-34 [7-28-SUB-11-3]	B056144	2.10	10.0	07/31/12

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 B056143 - SW-846 3540C
Blank (B056143-BLK1)

Prepared: 07/31/12 Analyzed: 08/01/12

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	1.01		mg/Kg	1.00		101		30-150		
Surrogate: Decachlorobiphenyl [2C]	0.915		mg/Kg	1.00		91.5		30-150		
Surrogate: Tetrachloro-m-xylene	0.853		mg/Kg	1.00		85.3		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.868		mg/Kg	1.00		86.8		30-150		

LCS (B056143-BS1)

Prepared: 07/31/12 Analyzed: 08/01/12

Aroclor-1016	0.25	0.10	mg/Kg	0.250		100		40-140		
Aroclor-1016 [2C]	0.27	0.10	mg/Kg	0.250		107		40-140		
Aroclor-1260	0.25	0.10	mg/Kg	0.250		101		40-140		
Aroclor-1260 [2C]	0.26	0.10	mg/Kg	0.250		105		40-140		
Surrogate: Decachlorobiphenyl	1.00		mg/Kg	1.00		100		30-150		
Surrogate: Decachlorobiphenyl [2C]	0.922		mg/Kg	1.00		92.2		30-150		
Surrogate: Tetrachloro-m-xylene	0.854		mg/Kg	1.00		85.4		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.870		mg/Kg	1.00		87.0		30-150		

LCS Dup (B056143-BSD1)

Prepared: 07/31/12 Analyzed: 08/01/12

Aroclor-1016	0.26	0.10	mg/Kg	0.250		103		40-140	3.02	30
Aroclor-1016 [2C]	0.26	0.10	mg/Kg	0.250		103		40-140	3.62	30
Aroclor-1260	0.25	0.10	mg/Kg	0.250		99.7		40-140	1.02	30
Aroclor-1260 [2C]	0.26	0.10	mg/Kg	0.250		105		40-140	0.410	30
Surrogate: Decachlorobiphenyl	0.997		mg/Kg	1.00		99.7		30-150		
Surrogate: Decachlorobiphenyl [2C]	0.927		mg/Kg	1.00		92.7		30-150		
Surrogate: Tetrachloro-m-xylene	0.845		mg/Kg	1.00		84.5		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.860		mg/Kg	1.00		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	Limit Notes
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Batch B056143 - SW-846 3540C

Matrix Spike (B056143-MS1)	Source: 12G0984-11			Prepared: 07/31/12 Analyzed: 08/01/12				
Aroclor-1016	0.24	0.087	mg/Kg	0.217	0.0	110	40-140	
Aroclor-1016 [2C]	0.23	0.087	mg/Kg	0.217	0.0	105	40-140	
Aroclor-1260	0.23	0.087	mg/Kg	0.217	0.0	108	40-140	
Aroclor-1260 [2C]	0.24	0.087	mg/Kg	0.217	0.0	112	40-140	
Surrogate: Decachlorobiphenyl	0.926		mg/Kg	0.870		107	30-150	
Surrogate: Decachlorobiphenyl [2C]	0.927		mg/Kg	0.870		107	30-150	
Surrogate: Tetrachloro-m-xylene	0.798		mg/Kg	0.870		91.8	30-150	
Surrogate: Tetrachloro-m-xylene [2C]	0.821		mg/Kg	0.870		94.5	30-150	
Matrix Spike Dup (B056143-MSD1)	Source: 12G0984-11			Prepared: 07/31/12 Analyzed: 08/01/12				
Aroclor-1016	0.22	0.087	mg/Kg	0.217	0.0	101	40-140	9.31
Aroclor-1016 [2C]	0.22	0.087	mg/Kg	0.217	0.0	101	40-140	3.19
Aroclor-1260	0.21	0.087	mg/Kg	0.217	0.0	97.7	40-140	9.67
Aroclor-1260 [2C]	0.24	0.087	mg/Kg	0.217	0.0	109	40-140	3.14
Surrogate: Decachlorobiphenyl	0.859		mg/Kg	0.870		98.8	30-150	
Surrogate: Decachlorobiphenyl [2C]	0.859		mg/Kg	0.870		98.7	30-150	
Surrogate: Tetrachloro-m-xylene	0.734		mg/Kg	0.870		84.4	30-150	
Surrogate: Tetrachloro-m-xylene [2C]	0.756		mg/Kg	0.870		86.9	30-150	

Batch B056144 - SW-846 3540C

Blank (B056144-BLK1)	Prepared: 07/31/12 Analyzed: 08/01/12				
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	0.896		mg/Kg	1.00	89.6
Surrogate: Decachlorobiphenyl [2C]	0.877		mg/Kg	1.00	87.7
Surrogate: Tetrachloro-m-xylene	0.817		mg/Kg	1.00	81.7
Surrogate: Tetrachloro-m-xylene [2C]	0.813		mg/Kg	1.00	81.3

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 B056144 - SW-846 3540C										
LCS (B056144-BS1)										
Prepared: 07/31/12 Analyzed: 08/01/12										
Aroclor-1016	0.22	0.10	mg/Kg	0.250		89.5	40-140			
Aroclor-1016 [2C]	0.24	0.10	mg/Kg	0.250		94.3	40-140			
Aroclor-1260	0.22	0.10	mg/Kg	0.250		88.8	40-140			
Aroclor-1260 [2C]	0.26	0.10	mg/Kg	0.250		103	40-140			
Surrogate: Decachlorobiphenyl	0.929		mg/Kg	1.00		92.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.901		mg/Kg	1.00		90.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.837		mg/Kg	1.00		83.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.823		mg/Kg	1.00		82.3	30-150			
LCS Dup (B056144-BSD1)										
Prepared: 07/31/12 Analyzed: 08/01/12										
Aroclor-1016	0.23	0.10	mg/Kg	0.250		91.2	40-140	1.88	30	
Aroclor-1016 [2C]	0.23	0.10	mg/Kg	0.250		92.7	40-140	1.64	30	
Aroclor-1260	0.21	0.10	mg/Kg	0.250		85.7	40-140	3.60	30	
Aroclor-1260 [2C]	0.24	0.10	mg/Kg	0.250		96.8	40-140	6.09	30	
Surrogate: Decachlorobiphenyl	0.886		mg/Kg	1.00		88.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.862		mg/Kg	1.00		86.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.878		mg/Kg	1.00		87.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.856		mg/Kg	1.00		85.6	30-150			
Matrix Spike (B056144-MS1)										
Source: 12G0984-28 Prepared: 07/31/12 Analyzed: 08/01/12										
Aroclor-1016	0.29	0.091	mg/Kg	0.227	0.0	126	40-140			
Aroclor-1016 [2C]	0.34	0.091	mg/Kg	0.227	0.0	150 *	40-140			MS-21
Aroclor-1260	0.40	0.091	mg/Kg	0.227	0.0	176 *	40-140			MS-21
Aroclor-1260 [2C]	0.45	0.091	mg/Kg	0.227	0.0	198 *	40-140			MS-21
Surrogate: Decachlorobiphenyl	0.851		mg/Kg	0.909		93.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.837		mg/Kg	0.909		92.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.861		mg/Kg	0.909		94.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.835		mg/Kg	0.909		91.9	30-150			
Matrix Spike Dup (B056144-MSD1)										
Source: 12G0984-28 Prepared: 07/31/12 Analyzed: 08/01/12										
Aroclor-1016	0.30	0.091	mg/Kg	0.227	0.0	131	40-140	4.13	50	
Aroclor-1016 [2C]	0.35	0.091	mg/Kg	0.227	0.0	156 *	40-140	4.17	50	MS-21
Aroclor-1260	0.44	0.091	mg/Kg	0.227	0.0	194 *	40-140	9.61	50	MS-21
Aroclor-1260 [2C]	0.49	0.091	mg/Kg	0.227	0.0	217 *	40-140	9.37	50	MS-21
Surrogate: Decachlorobiphenyl	0.884		mg/Kg	0.909		97.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.870		mg/Kg	0.909		95.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.909		mg/Kg	0.909		100	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.879		mg/Kg	0.909		96.7	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.
- 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



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

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page _____ of _____

Company Name: AMC Env. LLC		Address: Po Box 423 Stratford CT	Telephone: 203-378-5000	Project # 12G0984	# of Containers 35			
		Attention: Rick Onofrio	Client PO# 80824	**Preservation				
		Project Location: Fairfield Ludlowe HS	DATA DELIVERY (check all that apply)	***Container Code				
		Sampled By: Rick Onofrio	<input type="checkbox"/> FAX & EMAIL <input type="checkbox"/> WEBSITE	<input type="checkbox"/> Dissolved Metals				
		Project Proposal Provided? (for billing purposes) <input type="radio"/> yes _____ proposal date	<input type="checkbox"/> PDF <input type="checkbox"/> EXCEL <input type="checkbox"/> GIS	<input type="checkbox"/> Field Filtered				
			<input type="checkbox"/> OTHER	<input type="checkbox"/> Lab to Filter				
			<input type="checkbox"/> "Enhanced Data Package"					
Con-Test Lab ID (Laboratory use only)	Client Sample ID / Description	Collection	Beginning Date/Time	Ending Date/Time	Composite	Grab Date	*Matrix Conc Code	Comments:
01	7-28:sub -01-1		7/28	7/28		S	X	
02	7-28:sub -01-2						X	
03	7-28:sub -01-3						X	
04	7-28:sub -01-4						X	
05	7-28:sub -01-1						X	
06	7-28:sub -02-2						X	
07	✓ 02-3						X	
08	✓ 02-4						X	
09	7-28:sub 03-1						X	
10	✓ 03-2						X	

Soil/leach

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

Turnaround
75-Day
14 Day
Other _____
RUSH[†]

Detection Limit Requirements

Is your project MCP or RCP?

MCP Form Required
 RCP Form Required
 MA State DW Form Required PWSID # _____

Received by: *Rick Onofrio* **Date/Time:** *7/30/13 16:45* **Require lab approval** **Other:** *C-TPP*

Comments:

Retired by: *Rick Onofrio* **Date/Time:** *7/1/13 14:10* **Turnaround** **75-Day**
Received by: *Rick Onofrio* **Date/Time:** *7/30/13 16:45* **Turnaround** **72-Hr** **48-Hr** **4-Day**

Retired by: *Rick Onofrio* **Date/Time:** *7/30/13 16:45* **Turnaround** **72-Hr** **48-Hr** **4-Day**

Received by: *Rick Onofrio* **Date/Time:** *7/30/13 16:45* **Turnaround** **72-Hr** **48-Hr** **4-Day**

Comments:

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

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

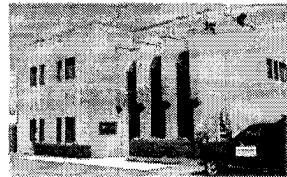


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CHAIN OF CUSTODY RECORD

39 Spruce Street
East longmeadow, MA 01022

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

CLIENT NAME: AMC ENL LLC

RECEIVED BY: JSM

DATE: 7-30-12

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:

4) How were the samples received:

On Ice Direct from Sampling Ambient In Cooler(s)

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

Temperature °C by Temp blank _____ Temperature °C by Temp gun 5.4

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	<u>34</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 _____

July 23, 2012

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

Project Location: Rodger Ludlowe H.S.

Client Job Number:

Project Number: [none]

Laboratory Work Order Number: 12G0489

Enclosed are results of analyses for samples received by the laboratory on July 16, 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: 7/23/2012

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

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12G0489

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

PROJECT LOCATION: Rodger Ludlowe H.S.

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
7-14 Sub 01 W/F Brick	12G0489-01	Brick		SW-846 8082A	
7-14 Sub 02 W/F Brick	12G0489-02	Brick		SW-846 8082A	
7-14 Sub 03 W/F Brick	12G0489-03	Brick		SW-846 8082A	
7-14 Sub 04 - W/F Brick	12G0489-04	Brick		SW-846 8082A	
7-14 Sub 05 - W/S Concrete	12G0489-05	Concrete		SW-846 8082A	
7-14 Sub 06 - W/F Mortar	12G0489-06	Product/Solid		SW-846 8082A	
7-14 Sub 07 - W/F Brick	12G0489-07	Brick		SW-846 8082A	
7-14 Sub 08 - W/S Brick	12G0489-08	Brick		SW-846 8082A	
7-14 Sub 09 - W/S Brick	12G0489-09	Brick		SW-846 8082A	
7-14 Sub 10 - W/F Concrete	12G0489-10	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:

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]

12G0489-03[7-14 Sub 03 W/F Brick], 12G0489-04[7-14 Sub 04 - W/F Brick], 12G0489-07[7-14 Sub 07 - W/F Brick], 12G0489-08[7-14 Sub 08 - W/S Brick],
12G0489-10[7-14 Sub 10 - W/F Concrete]

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: Rodger Ludlowe H.S.

Sample Description:

Work Order: 12G0489

Date Received: 7/16/2012

Field Sample #: 7-14 Sub 01 W/F Brick

Sampled: 7/14/2012 00:00

Sample ID: 12G0489-01

Sample Matrix: Brick

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	7/18/12	7/19/12 19:27	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/18/12	7/19/12 19:27	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/18/12	7/19/12 19:27	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/18/12	7/19/12 19:27	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/18/12	7/19/12 19:27	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/18/12	7/19/12 19:27	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/18/12	7/19/12 19:27	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/18/12	7/19/12 19:27	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/18/12	7/19/12 19:27	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		95.2	30-150					7/19/12 19:27	
Decachlorobiphenyl [2]		94.9	30-150					7/19/12 19:27	
Tetrachloro-m-xylene [1]		98.9	30-150					7/19/12 19:27	
Tetrachloro-m-xylene [2]		100	30-150					7/19/12 19:27	

Project Location: Rodger Ludlowe H.S.

Sample Description:

Work Order: 12G0489

Date Received: 7/16/2012

Field Sample #: 7-14 Sub 02 W/F Brick

Sampled: 7/14/2012 00:00

Sample ID: 12G0489-02

Sample Matrix: Brick

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	7/18/12	7/19/12 19:40	MJC
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/18/12	7/19/12 19:40	MJC
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/18/12	7/19/12 19:40	MJC
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/18/12	7/19/12 19:40	MJC
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/18/12	7/19/12 19:40	MJC
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/18/12	7/19/12 19:40	MJC
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/18/12	7/19/12 19:40	MJC
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/18/12	7/19/12 19:40	MJC
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	7/18/12	7/19/12 19:40	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		96.4	30-150					7/19/12 19:40	
Decachlorobiphenyl [2]		96.1	30-150					7/19/12 19:40	
Tetrachloro-m-xylene [1]		97.8	30-150					7/19/12 19:40	
Tetrachloro-m-xylene [2]		98.9	30-150					7/19/12 19:40	

Project Location: Rodger Ludlowe H.S.

Sample Description:

Work Order: 12G0489

Date Received: 7/16/2012

Field Sample #: 7-14 Sub 03 W/F Brick

Sampled: 7/14/2012 00:00

Sample ID: 12G0489-03

Sample Matrix: Brick

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	36	mg/Kg	400		SW-846 8082A	7/18/12	7/20/12 9:51	MJC
Aroclor-1221 [1]	ND	36	mg/Kg	400		SW-846 8082A	7/18/12	7/20/12 9:51	MJC
Aroclor-1232 [1]	ND	36	mg/Kg	400		SW-846 8082A	7/18/12	7/20/12 9:51	MJC
Aroclor-1242 [1]	ND	36	mg/Kg	400		SW-846 8082A	7/18/12	7/20/12 9:51	MJC
Aroclor-1248 [1]	ND	36	mg/Kg	400		SW-846 8082A	7/18/12	7/20/12 9:51	MJC
Aroclor-1254 [1]	230	36	mg/Kg	400		SW-846 8082A	7/18/12	7/20/12 9:51	MJC
Aroclor-1260 [2]	60	36	mg/Kg	400		SW-846 8082A	7/18/12	7/20/12 9:51	MJC
Aroclor-1262 [1]	ND	36	mg/Kg	400		SW-846 8082A	7/18/12	7/20/12 9:51	MJC
Aroclor-1268 [1]	ND	36	mg/Kg	400		SW-846 8082A	7/18/12	7/20/12 9:51	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01				7/20/12 9:51
Decachlorobiphenyl [2]	*		30-150		S-01				7/20/12 9:51
Tetrachloro-m-xylene [1]	*		30-150		S-01				7/20/12 9:51
Tetrachloro-m-xylene [2]	*		30-150		S-01				7/20/12 9:51

Project Location: Rodger Ludlowe H.S.

Sample Description:

Work Order: 12G0489

Date Received: 7/16/2012

Field Sample #: 7-14 Sub 04 - W/F Brick

Sampled: 7/14/2012 00:00

Sample ID: 12G0489-04

Sample Matrix: Brick

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	7/18/12	7/20/12 7:43	MJC
Aroclor-1221 [1]	ND	20	mg/Kg	200		SW-846 8082A	7/18/12	7/20/12 7:43	MJC
Aroclor-1232 [1]	ND	20	mg/Kg	200		SW-846 8082A	7/18/12	7/20/12 7:43	MJC
Aroclor-1242 [1]	ND	20	mg/Kg	200		SW-846 8082A	7/18/12	7/20/12 7:43	MJC
Aroclor-1248 [1]	ND	20	mg/Kg	200		SW-846 8082A	7/18/12	7/20/12 7:43	MJC
Aroclor-1254 [1]	140	20	mg/Kg	200		SW-846 8082A	7/18/12	7/20/12 7:43	MJC
Aroclor-1260 [2]	51	20	mg/Kg	200		SW-846 8082A	7/18/12	7/20/12 7:43	MJC
Aroclor-1262 [1]	ND	20	mg/Kg	200		SW-846 8082A	7/18/12	7/20/12 7:43	MJC
Aroclor-1268 [1]	ND	20	mg/Kg	200		SW-846 8082A	7/18/12	7/20/12 7:43	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01				7/20/12 7:43
Decachlorobiphenyl [2]	*		30-150		S-01				7/20/12 7:43
Tetrachloro-m-xylene [1]	*		30-150		S-01				7/20/12 7:43
Tetrachloro-m-xylene [2]	*		30-150		S-01				7/20/12 7:43

Project Location: Rodger Ludlowe H.S.

Sample Description:

Work Order: 12G0489

Date Received: 7/16/2012

Field Sample #: 7-14 Sub 05 - W/S Concrete

Sampled: 7/14/2012 00:00

Sample ID: 12G0489-05

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	0.087	mg/Kg	1		SW-846 8082A	7/18/12	7/20/12 7:55	MJC
Aroclor-1221 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/18/12	7/20/12 7:55	MJC
Aroclor-1232 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/18/12	7/20/12 7:55	MJC
Aroclor-1242 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/18/12	7/20/12 7:55	MJC
Aroclor-1248 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/18/12	7/20/12 7:55	MJC
Aroclor-1254 [2]	0.31	0.087	mg/Kg	1		SW-846 8082A	7/18/12	7/20/12 7:55	MJC
Aroclor-1260 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/18/12	7/20/12 7:55	MJC
Aroclor-1262 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/18/12	7/20/12 7:55	MJC
Aroclor-1268 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	7/18/12	7/20/12 7:55	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		101	30-150					7/20/12 7:55	
Decachlorobiphenyl [2]		99.1	30-150					7/20/12 7:55	
Tetrachloro-m-xylene [1]		101	30-150					7/20/12 7:55	
Tetrachloro-m-xylene [2]		101	30-150					7/20/12 7:55	

Project Location: Rodger Ludlowe H.S.

Sample Description:

Work Order: 12G0489

Date Received: 7/16/2012

Field Sample #: 7-14 Sub 06 - W/F Mortar

Sampled: 7/14/2012 00:00

Sample ID: 12G0489-06

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	0.091	mg/Kg	1		SW-846 8082A	7/18/12	7/19/12 20:32	MJC
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/18/12	7/19/12 20:32	MJC
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/18/12	7/19/12 20:32	MJC
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/18/12	7/19/12 20:32	MJC
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/18/12	7/19/12 20:32	MJC
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/18/12	7/19/12 20:32	MJC
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/18/12	7/19/12 20:32	MJC
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/18/12	7/19/12 20:32	MJC
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	7/18/12	7/19/12 20:32	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		106	30-150					7/19/12 20:32	
Decachlorobiphenyl [2]		105	30-150					7/19/12 20:32	
Tetrachloro-m-xylene [1]		107	30-150					7/19/12 20:32	
Tetrachloro-m-xylene [2]		108	30-150					7/19/12 20:32	

Project Location: Rodger Ludlowe H.S.

Sample Description:

Work Order: 12G0489

Date Received: 7/16/2012

Field Sample #: 7-14 Sub 07 - W/F Brick

Sampled: 7/14/2012 00:00

Sample ID: 12G0489-07

Sample Matrix: Brick

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	36	mg/Kg	400		SW-846 8082A	7/18/12	7/20/12 10:04	MJC
Aroclor-1221 [1]	ND	36	mg/Kg	400		SW-846 8082A	7/18/12	7/20/12 10:04	MJC
Aroclor-1232 [1]	ND	36	mg/Kg	400		SW-846 8082A	7/18/12	7/20/12 10:04	MJC
Aroclor-1242 [1]	ND	36	mg/Kg	400		SW-846 8082A	7/18/12	7/20/12 10:04	MJC
Aroclor-1248 [1]	ND	36	mg/Kg	400		SW-846 8082A	7/18/12	7/20/12 10:04	MJC
Aroclor-1254 [1]	260	36	mg/Kg	400		SW-846 8082A	7/18/12	7/20/12 10:04	MJC
Aroclor-1260 [2]	72	36	mg/Kg	400		SW-846 8082A	7/18/12	7/20/12 10:04	MJC
Aroclor-1262 [1]	ND	36	mg/Kg	400		SW-846 8082A	7/18/12	7/20/12 10:04	MJC
Aroclor-1268 [1]	ND	36	mg/Kg	400		SW-846 8082A	7/18/12	7/20/12 10:04	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01				7/20/12 10:04
Decachlorobiphenyl [2]	*		30-150		S-01				7/20/12 10:04
Tetrachloro-m-xylene [1]	*		30-150		S-01				7/20/12 10:04
Tetrachloro-m-xylene [2]	*		30-150		S-01				7/20/12 10:04

Project Location: Rodger Ludlowe H.S.

Sample Description:

Work Order: 12G0489

Date Received: 7/16/2012

Field Sample #: 7-14 Sub 08 - W/S Brick

Sampled: 7/14/2012 00:00

Sample ID: 12G0489-08

Sample Matrix: Brick

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.0	mg/Kg	40		SW-846 8082A	7/18/12	7/20/12 10:17	MJC
Aroclor-1221 [1]	ND	4.0	mg/Kg	40		SW-846 8082A	7/18/12	7/20/12 10:17	MJC
Aroclor-1232 [1]	ND	4.0	mg/Kg	40		SW-846 8082A	7/18/12	7/20/12 10:17	MJC
Aroclor-1242 [1]	ND	4.0	mg/Kg	40		SW-846 8082A	7/18/12	7/20/12 10:17	MJC
Aroclor-1248 [1]	ND	4.0	mg/Kg	40		SW-846 8082A	7/18/12	7/20/12 10:17	MJC
Aroclor-1254 [1]	26	4.0	mg/Kg	40		SW-846 8082A	7/18/12	7/20/12 10:17	MJC
Aroclor-1260 [2]	8.4	4.0	mg/Kg	40		SW-846 8082A	7/18/12	7/20/12 10:17	MJC
Aroclor-1262 [1]	ND	4.0	mg/Kg	40		SW-846 8082A	7/18/12	7/20/12 10:17	MJC
Aroclor-1268 [1]	ND	4.0	mg/Kg	40		SW-846 8082A	7/18/12	7/20/12 10:17	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01				7/20/12 10:17
Decachlorobiphenyl [2]	*		30-150		S-01				7/20/12 10:17
Tetrachloro-m-xylene [1]	*		30-150		S-01				7/20/12 10:17
Tetrachloro-m-xylene [2]	*		30-150		S-01				7/20/12 10:17

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Project Location: Rodger Ludlowe H.S.

Sample Description:

Work Order: 12G0489

Date Received: 7/16/2012

Field Sample #: 7-14 Sub 09 - W/S Brick

Sampled: 7/14/2012 00:00

Sample ID: 12G0489-09

Sample Matrix: Brick

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	10		SW-846 8082A	7/18/12	7/20/12 8:34	MJC
Aroclor-1221 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	7/18/12	7/20/12 8:34	MJC
Aroclor-1232 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	7/18/12	7/20/12 8:34	MJC
Aroclor-1242 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	7/18/12	7/20/12 8:34	MJC
Aroclor-1248 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	7/18/12	7/20/12 8:34	MJC
Aroclor-1254 [1]	7.5	1.0	mg/Kg	10		SW-846 8082A	7/18/12	7/20/12 8:34	MJC
Aroclor-1260 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	7/18/12	7/20/12 8:34	MJC
Aroclor-1262 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	7/18/12	7/20/12 8:34	MJC
Aroclor-1268 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	7/18/12	7/20/12 8:34	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	112	30-150							7/20/12 8:34
Decachlorobiphenyl [2]	111	30-150							7/20/12 8:34
Tetrachloro-m-xylene [1]	96.0	30-150							7/20/12 8:34
Tetrachloro-m-xylene [2]	100	30-150							7/20/12 8:34

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Project Location: Rodger Ludlowe H.S.

Sample Description:

Work Order: 12G0489

Date Received: 7/16/2012

Field Sample #: 7-14 Sub 10 - W/F Concrete

Sampled: 7/14/2012 00:00

Sample ID: 12G0489-10

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	40	mg/Kg	400		SW-846 8082A	7/18/12	7/20/12 10:30	MJC
Aroclor-1221 [1]	ND	40	mg/Kg	400		SW-846 8082A	7/18/12	7/20/12 10:30	MJC
Aroclor-1232 [1]	ND	40	mg/Kg	400		SW-846 8082A	7/18/12	7/20/12 10:30	MJC
Aroclor-1242 [1]	ND	40	mg/Kg	400		SW-846 8082A	7/18/12	7/20/12 10:30	MJC
Aroclor-1248 [1]	ND	40	mg/Kg	400		SW-846 8082A	7/18/12	7/20/12 10:30	MJC
Aroclor-1254 [1]	240	40	mg/Kg	400		SW-846 8082A	7/18/12	7/20/12 10:30	MJC
Aroclor-1260 [1]	ND	40	mg/Kg	400		SW-846 8082A	7/18/12	7/20/12 10:30	MJC
Aroclor-1262 [1]	ND	40	mg/Kg	400		SW-846 8082A	7/18/12	7/20/12 10:30	MJC
Aroclor-1268 [1]	ND	40	mg/Kg	400		SW-846 8082A	7/18/12	7/20/12 10:30	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	*	30-150		S-01					7/20/12 10:30
Decachlorobiphenyl [2]	*	30-150		S-01					7/20/12 10:30
Tetrachloro-m-xylene [1]	*	30-150		S-01					7/20/12 10:30
Tetrachloro-m-xylene [2]	*	30-150		S-01					7/20/12 10:30

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
12G0489-01 [7-14 Sub 01 W/F Brick]	B055359	2.00	10.0	07/18/12
12G0489-02 [7-14 Sub 02 W/F Brick]	B055359	2.10	10.0	07/18/12
12G0489-03 [7-14 Sub 03 W/F Brick]	B055359	2.20	10.0	07/18/12
12G0489-04 [7-14 Sub 04 - W/F Brick]	B055359	2.00	10.0	07/18/12
12G0489-05 [7-14 Sub 05 - W/S Concrete]	B055359	2.30	10.0	07/18/12
12G0489-06 [7-14 Sub 06 - W/F Mortar]	B055359	2.20	10.0	07/18/12
12G0489-07 [7-14 Sub 07 - W/F Brick]	B055359	2.20	10.0	07/18/12
12G0489-08 [7-14 Sub 08 - W/S Brick]	B055359	2.00	10.0	07/18/12
12G0489-09 [7-14 Sub 09 - W/S Brick]	B055359	2.00	10.0	07/18/12
12G0489-10 [7-14 Sub 10 - W/F Concrete]	B055359	2.00	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 B055359 - SW-846 3540C

Blank (B055359-BLK1)					Prepared: 07/18/12 Analyzed: 07/19/12					
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	1.07	mg/Kg	1.00		107	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]	1.06	mg/Kg	1.00		106	30-150				

LCS (B055359-BS1)					Prepared: 07/18/12 Analyzed: 07/19/12					
Aroclor-1016	0.27	0.10	mg/Kg	0.250		107	40-140			
Aroclor-1016 [2C]	0.29	0.10	mg/Kg	0.250		115	40-140			
Aroclor-1260	0.27	0.10	mg/Kg	0.250		109	40-140			
Aroclor-1260 [2C]	0.29	0.10	mg/Kg	0.250		115	40-140			
Surrogate: Decachlorobiphenyl	1.07	mg/Kg	1.00		107	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]	1.06	mg/Kg	1.00		106	30-150				

LCS Dup (B055359-BSD1)					Prepared: 07/18/12 Analyzed: 07/19/12					
Aroclor-1016	0.25	0.10	mg/Kg	0.250		101	40-140	5.38	30	
Aroclor-1016 [2C]	0.27	0.10	mg/Kg	0.250		108	40-140	5.55	30	
Aroclor-1260	0.26	0.10	mg/Kg	0.250		103	40-140	6.12	30	
Aroclor-1260 [2C]	0.27	0.10	mg/Kg	0.250		107	40-140	7.58	30	
Surrogate: Decachlorobiphenyl	0.994	mg/Kg	1.00		99.4	30-150				
Surrogate: Decachlorobiphenyl [2C]	0.972	mg/Kg	1.00		97.2	30-150				
Surrogate: Tetrachloro-m-xylene	1.00	mg/Kg	1.00		100	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	1.01	mg/Kg	1.00		101	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 B055359 - SW-846 3540C

Matrix Spike (B055359-MS1)	Source: 12G0489-01			Prepared: 07/18/12 Analyzed: 07/19/12				
Aroclor-1016	0.26	0.10	mg/Kg	0.250	0.0	106	40-140	
Aroclor-1016 [2C]	0.29	0.10	mg/Kg	0.250	0.0	115	40-140	
Aroclor-1260	0.27	0.10	mg/Kg	0.250	0.0	106	40-140	
Aroclor-1260 [2C]	0.28	0.10	mg/Kg	0.250	0.0	113	40-140	
Surrogate: Decachlorobiphenyl	1.05		mg/Kg	1.00		105	30-150	
Surrogate: Decachlorobiphenyl [2C]	1.05		mg/Kg	1.00		105	30-150	
Surrogate: Tetrachloro-m-xylene	1.06		mg/Kg	1.00		106	30-150	
Surrogate: Tetrachloro-m-xylene [2C]	1.07		mg/Kg	1.00		107	30-150	
Matrix Spike Dup (B055359-MSD1)	Source: 12G0489-01			Prepared: 07/18/12 Analyzed: 07/20/12				
Aroclor-1016	0.25	0.10	mg/Kg	0.250	0.0	101	40-140	5.13
Aroclor-1016 [2C]	0.28	0.10	mg/Kg	0.250	0.0	111	40-140	3.52
Aroclor-1260	0.25	0.10	mg/Kg	0.250	0.0	101	40-140	5.01
Aroclor-1260 [2C]	0.28	0.10	mg/Kg	0.250	0.0	112	40-140	0.929
Surrogate: Decachlorobiphenyl	0.976		mg/Kg	1.00		97.6	30-150	
Surrogate: Decachlorobiphenyl [2C]	0.991		mg/Kg	1.00		99.1	30-150	
Surrogate: Tetrachloro-m-xylene	0.978		mg/Kg	1.00		97.8	30-150	
Surrogate: Tetrachloro-m-xylene [2C]	0.979		mg/Kg	1.00		97.9	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.

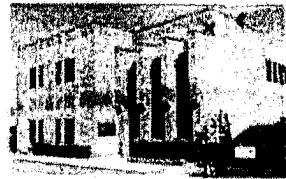
CERTIFICATIONS
Certified Analyses included in this Report

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

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2322
F: 413-525-6405
www.contestlabs.com



Sample Receipt Checklist

CLIENT NAME: AMC Environmental RECEIVED BY: SD DATE: 7/16/12

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 5.1

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: IC

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>10</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	Page 20 of 20

October 23, 2012

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

Project Location: Fairfield Ludlowe H.S.

Client Job Number:

Project Number: [none]

Laboratory Work Order Number: 12J0641

Enclosed are results of analyses for samples received by the laboratory on October 16, 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: 10/23/2012

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

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12J0641

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

PROJECT LOCATION: Fairfield Ludlowe H.S.

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
10-13 Sub 01-1	12J0641-01	Product/Solid		SW-846 8082A	
10-13 Sub 01-2	12J0641-02	Product/Solid		SW-846 8082A	
10-13 Sub 02-1	12J0641-03	Product/Solid		SW-846 8082A	
10-13 Sub 02-2	12J0641-04	Product/Solid		SW-846 8082A	
10-13 Sub 03-1	12J0641-05	Product/Solid		SW-846 8082A	
10-13 Sub 03-2	12J0641-06	Product/Solid		SW-846 8082A	
10-13 Sub 03-3	12J0641-07	Product/Solid		SW-846 8082A	
10-13 Sub 04-1	12J0641-08	Product/Solid		SW-846 8082A	
10-13 Sub 04-2	12J0641-09	Product/Solid		SW-846 8082A	
10-13 Sub 04-3	12J0641-10	Product/Solid		SW-846 8082A	
10-13 Sub 05-1	12J0641-11	Product/Solid		SW-846 8082A	
10-13 Sub 05-2	12J0641-12	Product/Solid		SW-846 8082A	
10-13 Sub 05-3	12J0641-13	Product/Solid		SW-846 8082A	
10-13 Sub 06-1	12J0641-14	Product/Solid		SW-846 8082A	
10-13 Sub 06-2	12J0641-15	Product/Solid		SW-846 8082A	
10-13 Sub 06-3	12J0641-16	Product/Solid		SW-846 8082A	
10-13 Sub 07-1	12J0641-17	Product/Solid		SW-846 8082A	
10-13 Sub 07-2	12J0641-18	Product/Solid		SW-846 8082A	
10-13 Sub 07-3	12J0641-19	Product/Solid		SW-846 8082A	
10-13 Sub 08-1	12J0641-20	Product/Solid		SW-846 8082A	
10-13 Sub 08-2	12J0641-21	Product/Solid		SW-846 8082A	
10-13 Sub 08-3	12J0641-22	Product/Solid		SW-846 8082A	

CASE NARRATIVE SUMMARY

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

SW-846 8082A

Qualifications:

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

Analyte & Samples(s) Qualified:

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

B061120-MS1, B061120-MSD1, B061123-MS1, B061123-MSD1

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

Analyte & Samples(s) Qualified:

Aroclor-1254

12J0641-01[10-13 Sub 01-1]

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

B061120-BS1, B061120-BSD1, B061120-MS1, B061120-MSD1

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: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Field Sample #: 10-13 Sub 01-1

Sampled: 10/13/2012 00:00

Sample ID: 12J0641-01

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	0.95	mg/Kg	10		SW-846 8082A	10/18/12	10/22/12 18:47	MJC
Aroclor-1221 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/18/12	10/22/12 18:47	MJC
Aroclor-1232 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/18/12	10/22/12 18:47	MJC
Aroclor-1242 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/18/12	10/22/12 18:47	MJC
Aroclor-1248 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/18/12	10/22/12 18:47	MJC
Aroclor-1254 [1]	3.8	0.95	mg/Kg	10	O-03	SW-846 8082A	10/18/12	10/22/12 18:47	MJC
Aroclor-1260 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/18/12	10/22/12 18:47	MJC
Aroclor-1262 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/18/12	10/22/12 18:47	MJC
Aroclor-1268 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/18/12	10/22/12 18:47	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	87.6	30-150							10/22/12 18:47
Decachlorobiphenyl [2]	86.0	30-150							10/22/12 18:47
Tetrachloro-m-xylene [1]	83.3	30-150							10/22/12 18:47
Tetrachloro-m-xylene [2]	84.1	30-150							10/22/12 18:47

Project Location: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Field Sample #: 10-13 Sub 01-2

Sampled: 10/13/2012 00:00

Sample ID: 12J0641-02

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	0.48	mg/Kg	5		SW-846 8082A	10/18/12	10/22/12 19:00	MJC
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/18/12	10/22/12 19:00	MJC
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/18/12	10/22/12 19:00	MJC
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/18/12	10/22/12 19:00	MJC
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/18/12	10/22/12 19:00	MJC
Aroclor-1254 [1]	2.3	0.48	mg/Kg	5		SW-846 8082A	10/18/12	10/22/12 19:00	MJC
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/18/12	10/22/12 19:00	MJC
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/18/12	10/22/12 19:00	MJC
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/18/12	10/22/12 19:00	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		87.3	30-150					10/22/12 19:00	
Decachlorobiphenyl [2]		87.1	30-150					10/22/12 19:00	
Tetrachloro-m-xylene [1]		84.8	30-150					10/22/12 19:00	
Tetrachloro-m-xylene [2]		85.1	30-150					10/22/12 19:00	

Project Location: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Field Sample #: 10-13 Sub 02-1

Sampled: 10/13/2012 00:00

Sample ID: 12J0641-03

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	0.20	mg/Kg	2		SW-846 8082A	10/18/12	10/22/12 19:12	MJC
Aroclor-1221 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	10/18/12	10/22/12 19:12	MJC
Aroclor-1232 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	10/18/12	10/22/12 19:12	MJC
Aroclor-1242 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	10/18/12	10/22/12 19:12	MJC
Aroclor-1248 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	10/18/12	10/22/12 19:12	MJC
Aroclor-1254 [1]	1.8	0.20	mg/Kg	2		SW-846 8082A	10/18/12	10/22/12 19:12	MJC
Aroclor-1260 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	10/18/12	10/22/12 19:12	MJC
Aroclor-1262 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	10/18/12	10/22/12 19:12	MJC
Aroclor-1268 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	10/18/12	10/22/12 19:12	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		86.3	30-150					10/22/12 19:12	
Decachlorobiphenyl [2]		88.1	30-150					10/22/12 19:12	
Tetrachloro-m-xylene [1]		83.9	30-150					10/22/12 19:12	
Tetrachloro-m-xylene [2]		84.5	30-150					10/22/12 19:12	

Project Location: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Field Sample #: 10-13 Sub 02-2

Sampled: 10/13/2012 00:00

Sample ID: 12J0641-04

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	0.45	mg/Kg	5		SW-846 8082A	10/18/12	10/22/12 19:24	MJC
Aroclor-1221 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/18/12	10/22/12 19:24	MJC
Aroclor-1232 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/18/12	10/22/12 19:24	MJC
Aroclor-1242 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/18/12	10/22/12 19:24	MJC
Aroclor-1248 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/18/12	10/22/12 19:24	MJC
Aroclor-1254 [1]	1.9	0.45	mg/Kg	5		SW-846 8082A	10/18/12	10/22/12 19:24	MJC
Aroclor-1260 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/18/12	10/22/12 19:24	MJC
Aroclor-1262 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/18/12	10/22/12 19:24	MJC
Aroclor-1268 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/18/12	10/22/12 19:24	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		89.7	30-150					10/22/12 19:24	
Decachlorobiphenyl [2]		89.3	30-150					10/22/12 19:24	
Tetrachloro-m-xylene [1]		87.0	30-150					10/22/12 19:24	
Tetrachloro-m-xylene [2]		87.2	30-150					10/22/12 19:24	

Project Location: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Field Sample #: 10-13 Sub 03-1

Sampled: 10/13/2012 00:00

Sample ID: 12J0641-05

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	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:00	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:00	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:00	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:00	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:00	MJC
Aroclor-1254 [1]	0.62	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:00	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:00	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:00	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:00	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	92.3	30-150							10/22/12 23:00
Decachlorobiphenyl [2]	91.1	30-150							10/22/12 23:00
Tetrachloro-m-xylene [1]	83.3	30-150							10/22/12 23:00
Tetrachloro-m-xylene [2]	85.9	30-150							10/22/12 23:00

Project Location: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Field Sample #: 10-13 Sub 03-2

Sampled: 10/13/2012 00:00

Sample ID: 12J0641-06

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	10/18/12	10/22/12 23:13	MJC
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:13	MJC
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:13	MJC
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:13	MJC
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:13	MJC
Aroclor-1254 [2]	0.82	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:13	MJC
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:13	MJC
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:13	MJC
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:13	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	96.2	30-150							10/22/12 23:13
Decachlorobiphenyl [2]	95.6	30-150							10/22/12 23:13
Tetrachloro-m-xylene [1]	85.7	30-150							10/22/12 23:13
Tetrachloro-m-xylene [2]	88.1	30-150							10/22/12 23:13

Project Location: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Field Sample #: 10-13 Sub 03-3

Sampled: 10/13/2012 00:00

Sample ID: 12J0641-07

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	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:26	MJC
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:26	MJC
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:26	MJC
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:26	MJC
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:26	MJC
Aroclor-1254 [2]	0.57	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:26	MJC
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:26	MJC
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:26	MJC
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:26	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	94.9	30-150							10/22/12 23:26
Decachlorobiphenyl [2]	93.8	30-150							10/22/12 23:26
Tetrachloro-m-xylene [1]	87.4	30-150							10/22/12 23:26
Tetrachloro-m-xylene [2]	89.6	30-150							10/22/12 23:26

Project Location: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Field Sample #: 10-13 Sub 04-1

Sampled: 10/13/2012 00:00

Sample ID: 12J0641-08

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	0.18	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 10:32	MJC
Aroclor-1221 [1]	ND	0.18	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 10:32	MJC
Aroclor-1232 [1]	ND	0.18	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 10:32	MJC
Aroclor-1242 [1]	ND	0.18	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 10:32	MJC
Aroclor-1248 [1]	ND	0.18	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 10:32	MJC
Aroclor-1254 [2]	1.5	0.18	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 10:32	MJC
Aroclor-1260 [1]	ND	0.18	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 10:32	MJC
Aroclor-1262 [1]	ND	0.18	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 10:32	MJC
Aroclor-1268 [1]	ND	0.18	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 10:32	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		91.4	30-150					10/23/12 10:32	
Decachlorobiphenyl [2]		88.6	30-150					10/23/12 10:32	
Tetrachloro-m-xylene [1]		82.5	30-150					10/23/12 10:32	
Tetrachloro-m-xylene [2]		84.3	30-150					10/23/12 10:32	

Project Location: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Field Sample #: 10-13 Sub 04-2

Sampled: 10/13/2012 00:00

Sample ID: 12J0641-09

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	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:51	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:51	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:51	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:51	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:51	MJC
Aroclor-1254 [2]	0.83	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:51	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:51	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:51	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:51	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		94.3	30-150					10/22/12 23:51	
Decachlorobiphenyl [2]		93.0	30-150					10/22/12 23:51	
Tetrachloro-m-xylene [1]		85.2	30-150					10/22/12 23:51	
Tetrachloro-m-xylene [2]		87.9	30-150					10/22/12 23:51	

Project Location: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Field Sample #: 10-13 Sub 04-3

Sampled: 10/13/2012 00:00

Sample ID: 12J0641-10

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	0.29	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 10:45	MJC
Aroclor-1221 [1]	ND	0.29	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 10:45	MJC
Aroclor-1232 [1]	ND	0.29	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 10:45	MJC
Aroclor-1242 [1]	ND	0.29	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 10:45	MJC
Aroclor-1248 [1]	ND	0.29	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 10:45	MJC
Aroclor-1254 [2]	1.7	0.29	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 10:45	MJC
Aroclor-1260 [1]	ND	0.29	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 10:45	MJC
Aroclor-1262 [1]	ND	0.29	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 10:45	MJC
Aroclor-1268 [1]	ND	0.29	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 10:45	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		92.9	30-150					10/23/12 10:45	
Decachlorobiphenyl [2]		89.9	30-150					10/23/12 10:45	
Tetrachloro-m-xylene [1]		85.1	30-150					10/23/12 10:45	
Tetrachloro-m-xylene [2]		86.5	30-150					10/23/12 10:45	

Project Location: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Field Sample #: 10-13 Sub 05-1

Sampled: 10/13/2012 00:00

Sample ID: 12J0641-11

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	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 10:58	MJC
Aroclor-1221 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 10:58	MJC
Aroclor-1232 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 10:58	MJC
Aroclor-1242 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 10:58	MJC
Aroclor-1248 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 10:58	MJC
Aroclor-1254 [1]	3.5	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 10:58	MJC
Aroclor-1260 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 10:58	MJC
Aroclor-1262 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 10:58	MJC
Aroclor-1268 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 10:58	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		91.3	30-150					10/23/12 10:58	
Decachlorobiphenyl [2]		83.6	30-150					10/23/12 10:58	
Tetrachloro-m-xylene [1]		83.8	30-150					10/23/12 10:58	
Tetrachloro-m-xylene [2]		80.0	30-150					10/23/12 10:58	

Project Location: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Field Sample #: 10-13 Sub 05-2

Sampled: 10/13/2012 00:00

Sample ID: 12J0641-12

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	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 11:10	MJC
Aroclor-1221 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 11:10	MJC
Aroclor-1232 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 11:10	MJC
Aroclor-1242 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 11:10	MJC
Aroclor-1248 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 11:10	MJC
Aroclor-1254 [1]	4.2	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 11:10	MJC
Aroclor-1260 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 11:10	MJC
Aroclor-1262 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 11:10	MJC
Aroclor-1268 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 11:10	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		108	30-150					10/23/12 11:10	
Decachlorobiphenyl [2]		99.8	30-150					10/23/12 11:10	
Tetrachloro-m-xylene [1]		96.6	30-150					10/23/12 11:10	
Tetrachloro-m-xylene [2]		93.1	30-150					10/23/12 11:10	

Project Location: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Field Sample #: 10-13 Sub 05-3

Sampled: 10/13/2012 00:00

Sample ID: 12J0641-13

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	0.45	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 11:23	MJC
Aroclor-1221 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 11:23	MJC
Aroclor-1232 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 11:23	MJC
Aroclor-1242 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 11:23	MJC
Aroclor-1248 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 11:23	MJC
Aroclor-1254 [1]	2.1	0.45	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 11:23	MJC
Aroclor-1260 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 11:23	MJC
Aroclor-1262 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 11:23	MJC
Aroclor-1268 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 11:23	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		107	30-150					10/23/12 11:23	
Decachlorobiphenyl [2]		99.2	30-150					10/23/12 11:23	
Tetrachloro-m-xylene [1]		93.3	30-150					10/23/12 11:23	
Tetrachloro-m-xylene [2]		92.4	30-150					10/23/12 11:23	

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Project Location: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Sampled: 10/13/2012 00:00

Field Sample #: 10-13 Sub 06-1

Sample ID: 12J0641-14

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	10/18/12	10/23/12 11:36	MJC
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 11:36	MJC
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 11:36	MJC
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 11:36	MJC
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 11:36	MJC
Aroclor-1254 [1]	2.3	0.48	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 11:36	MJC
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 11:36	MJC
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 11:36	MJC
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 11:36	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	101	30-150						10/23/12 11:36	
Decachlorobiphenyl [2]	94.9	30-150						10/23/12 11:36	
Tetrachloro-m-xylene [1]	52.7	30-150						10/23/12 11:36	
Tetrachloro-m-xylene [2]	51.1	30-150						10/23/12 11:36	

Project Location: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Field Sample #: 10-13 Sub 06-2

Sampled: 10/13/2012 00:00

Sample ID: 12J0641-15

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	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 11:49	MJC
Aroclor-1221 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 11:49	MJC
Aroclor-1232 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 11:49	MJC
Aroclor-1242 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 11:49	MJC
Aroclor-1248 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 11:49	MJC
Aroclor-1254 [2]	3.0	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 11:49	MJC
Aroclor-1260 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 11:49	MJC
Aroclor-1262 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 11:49	MJC
Aroclor-1268 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 11:49	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		109	30-150					10/23/12 11:49	
Decachlorobiphenyl [2]		102	30-150					10/23/12 11:49	
Tetrachloro-m-xylene [1]		93.5	30-150					10/23/12 11:49	
Tetrachloro-m-xylene [2]		89.9	30-150					10/23/12 11:49	

Project Location: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Field Sample #: 10-13 Sub 06-3

Sampled: 10/13/2012 00:00

Sample ID: 12J0641-16

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	0.43	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 12:02	MJC
Aroclor-1221 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 12:02	MJC
Aroclor-1232 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 12:02	MJC
Aroclor-1242 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 12:02	MJC
Aroclor-1248 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 12:02	MJC
Aroclor-1254 [1]	2.0	0.43	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 12:02	MJC
Aroclor-1260 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 12:02	MJC
Aroclor-1262 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 12:02	MJC
Aroclor-1268 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 12:02	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		112	30-150					10/23/12 12:02	
Decachlorobiphenyl [2]		106	30-150					10/23/12 12:02	
Tetrachloro-m-xylene [1]		97.6	30-150					10/23/12 12:02	
Tetrachloro-m-xylene [2]		96.2	30-150					10/23/12 12:02	

Project Location: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Field Sample #: 10-13 Sub 07-1

Sampled: 10/13/2012 00:00

Sample ID: 12J0641-17

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	10/18/12	10/23/12 2:13	MJC
Aroclor-1221 [1]	ND	0.12	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:13	MJC
Aroclor-1232 [1]	ND	0.12	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:13	MJC
Aroclor-1242 [1]	ND	0.12	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:13	MJC
Aroclor-1248 [1]	ND	0.12	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:13	MJC
Aroclor-1254 [1]	ND	0.12	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:13	MJC
Aroclor-1260 [1]	ND	0.12	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:13	MJC
Aroclor-1262 [1]	ND	0.12	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:13	MJC
Aroclor-1268 [1]	ND	0.12	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:13	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		94.4	30-150					10/23/12 2:13	
Decachlorobiphenyl [2]		93.0	30-150					10/23/12 2:13	
Tetrachloro-m-xylene [1]		91.6	30-150					10/23/12 2:13	
Tetrachloro-m-xylene [2]		94.2	30-150					10/23/12 2:13	

Project Location: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Field Sample #: 10-13 Sub 07-2

Sampled: 10/13/2012 00:00

Sample ID: 12J0641-18

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	0.19	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 12:15	MJC
Aroclor-1221 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 12:15	MJC
Aroclor-1232 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 12:15	MJC
Aroclor-1242 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 12:15	MJC
Aroclor-1248 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 12:15	MJC
Aroclor-1254 [2]	1.1	0.19	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 12:15	MJC
Aroclor-1260 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 12:15	MJC
Aroclor-1262 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 12:15	MJC
Aroclor-1268 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 12:15	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	103	30-150							10/23/12 12:15
Decachlorobiphenyl [2]	101	30-150							10/23/12 12:15
Tetrachloro-m-xylene [1]	99.4	30-150							10/23/12 12:15
Tetrachloro-m-xylene [2]	101	30-150							10/23/12 12:15

Project Location: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Field Sample #: 10-13 Sub 07-3

Sampled: 10/13/2012 00:00

Sample ID: 12J0641-19

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	10/18/12	10/23/12 2:39	MJC
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:39	MJC
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:39	MJC
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:39	MJC
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:39	MJC
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:39	MJC
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:39	MJC
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:39	MJC
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:39	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	98.2	30-150						10/23/12 2:39	
Decachlorobiphenyl [2]	97.0	30-150						10/23/12 2:39	
Tetrachloro-m-xylene [1]	93.7	30-150						10/23/12 2:39	
Tetrachloro-m-xylene [2]	96.2	30-150						10/23/12 2:39	

Project Location: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Field Sample #: 10-13 Sub 08-1

Sampled: 10/13/2012 00:00

Sample ID: 12J0641-20

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	10/18/12	10/23/12 2:52	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:52	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:52	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:52	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:52	MJC
Aroclor-1254 [2]	0.11	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:52	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:52	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:52	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:52	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		82.0	30-150					10/23/12 2:52	
Decachlorobiphenyl [2]		80.9	30-150					10/23/12 2:52	
Tetrachloro-m-xylene [1]		79.7	30-150					10/23/12 2:52	
Tetrachloro-m-xylene [2]		82.1	30-150					10/23/12 2:52	

Project Location: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Field Sample #: 10-13 Sub 08-2

Sampled: 10/13/2012 00:00

Sample ID: 12J0641-21

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	10/18/12	10/23/12 3:05	MJC
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 3:05	MJC
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 3:05	MJC
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 3:05	MJC
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 3:05	MJC
Aroclor-1254 [2]	0.32	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 3:05	MJC
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 3:05	MJC
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 3:05	MJC
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 3:05	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		91.7	30-150					10/23/12 3:05	
Decachlorobiphenyl [2]		91.0	30-150					10/23/12 3:05	
Tetrachloro-m-xylene [1]		80.9	30-150					10/23/12 3:05	
Tetrachloro-m-xylene [2]		82.4	30-150					10/23/12 3:05	

Project Location: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Sampled: 10/13/2012 00:00

Field Sample #: 10-13 Sub 08-3

Sample ID: 12J0641-22

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	0.17	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 3:18	MJC
Aroclor-1221 [1]	ND	0.17	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 3:18	MJC
Aroclor-1232 [1]	ND	0.17	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 3:18	MJC
Aroclor-1242 [1]	ND	0.17	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 3:18	MJC
Aroclor-1248 [1]	ND	0.17	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 3:18	MJC
Aroclor-1254 [1]	ND	0.17	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 3:18	MJC
Aroclor-1260 [1]	0.33	0.17	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 3:18	MJC
Aroclor-1262 [1]	ND	0.17	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 3:18	MJC
Aroclor-1268 [1]	ND	0.17	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 3:18	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	93.6	30-150						10/23/12 3:18	
Decachlorobiphenyl [2]	92.8	30-150						10/23/12 3:18	
Tetrachloro-m-xylene [1]	84.6	30-150						10/23/12 3:18	
Tetrachloro-m-xylene [2]	87.0	30-150						10/23/12 3:18	

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
12J0641-01 [10-13 Sub 01-1]	B061120	2.10	10.0	10/18/12
12J0641-02 [10-13 Sub 01-2]	B061120	2.10	10.0	10/18/12
12J0641-03 [10-13 Sub 02-1]	B061120	2.00	10.0	10/18/12
12J0641-04 [10-13 Sub 02-2]	B061120	2.20	10.0	10/18/12

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
12J0641-05 [10-13 Sub 03-1]	B061123	2.00	10.0	10/18/12
12J0641-06 [10-13 Sub 03-2]	B061123	2.10	10.0	10/18/12
12J0641-07 [10-13 Sub 03-3]	B061123	2.10	10.0	10/18/12
12J0641-08 [10-13 Sub 04-1]	B061123	2.20	10.0	10/18/12
12J0641-09 [10-13 Sub 04-2]	B061123	2.00	10.0	10/18/12
12J0641-10 [10-13 Sub 04-3]	B061123	1.40	10.0	10/18/12
12J0641-11 [10-13 Sub 05-1]	B061123	2.00	10.0	10/18/12
12J0641-12 [10-13 Sub 05-2]	B061123	2.00	10.0	10/18/12
12J0641-13 [10-13 Sub 05-3]	B061123	2.20	10.0	10/18/12
12J0641-14 [10-13 Sub 06-1]	B061123	2.10	10.0	10/18/12
12J0641-15 [10-13 Sub 06-2]	B061123	2.00	10.0	10/18/12
12J0641-16 [10-13 Sub 06-3]	B061123	2.30	10.0	10/18/12
12J0641-17 [10-13 Sub 07-1]	B061123	1.60	10.0	10/18/12
12J0641-18 [10-13 Sub 07-2]	B061123	2.10	10.0	10/18/12
12J0641-19 [10-13 Sub 07-3]	B061123	2.20	10.0	10/18/12
12J0641-20 [10-13 Sub 08-1]	B061123	2.00	10.0	10/18/12
12J0641-21 [10-13 Sub 08-2]	B061123	2.10	10.0	10/18/12
12J0641-22 [10-13 Sub 08-3]	B061123	1.20	10.0	10/18/12

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 B061120 - SW-846 3540C
Blank (B061120-BLK1)

					Prepared: 10/18/12 Analyzed: 10/21/12				
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	0.862		mg/Kg	1.00		86.2	30-150		
Surrogate: Decachlorobiphenyl [2C]	0.877		mg/Kg	1.00		87.7	30-150		
Surrogate: Tetrachloro-m-xylene	0.826		mg/Kg	1.00		82.6	30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.829		mg/Kg	1.00		82.9	30-150		

LCS (B061120-BS1)

					Prepared: 10/18/12 Analyzed: 10/21/12				
Aroclor-1016	0.27	0.10	mg/Kg	0.250		108	40-140		
Aroclor-1016 [2C]	0.28	0.10	mg/Kg	0.250		112	40-140		
Aroclor-1260	0.29	0.10	mg/Kg	0.250		117	40-140		V-06
Aroclor-1260 [2C]	0.26	0.10	mg/Kg	0.250		104	40-140		
Surrogate: Decachlorobiphenyl	1.00		mg/Kg	1.00		100	30-150		
Surrogate: Decachlorobiphenyl [2C]	1.03		mg/Kg	1.00		103	30-150		
Surrogate: Tetrachloro-m-xylene	0.977		mg/Kg	1.00		97.7	30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.981		mg/Kg	1.00		98.1	30-150		

LCS Dup (B061120-BSD1)

					Prepared: 10/18/12 Analyzed: 10/21/12				
Aroclor-1016	0.25	0.10	mg/Kg	0.250		99.9	40-140	8.23	30
Aroclor-1016 [2C]	0.25	0.10	mg/Kg	0.250		101	40-140	9.83	30
Aroclor-1260	0.27	0.10	mg/Kg	0.250		110	40-140	6.28	30
Aroclor-1260 [2C]	0.25	0.10	mg/Kg	0.250		98.5	40-140	5.94	30
Surrogate: Decachlorobiphenyl	0.911		mg/Kg	1.00		91.1	30-150		
Surrogate: Decachlorobiphenyl [2C]	0.932		mg/Kg	1.00		93.2	30-150		
Surrogate: Tetrachloro-m-xylene	0.840		mg/Kg	1.00		84.0	30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.843		mg/Kg	1.00		84.3	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 B061120 - SW-846 3540C

Matrix Spike (B061120-MS1)	Source: 12J0641-03			Prepared: 10/18/12 Analyzed: 10/21/12					
Aroclor-1016	3.7	0.10	mg/Kg	0.250	0.0	1490	*	40-140	MS-21
Aroclor-1016 [2C]	1.9	0.10	mg/Kg	0.250	0.0	746	*	40-140	MS-21
Aroclor-1260	1.6	0.10	mg/Kg	0.250	0.0	625	*	40-140	MS-21, V-06
Aroclor-1260 [2C]	1.6	0.10	mg/Kg	0.250	0.0	651	*	40-140	MS-21
Surrogate: Decachlorobiphenyl	0.963		mg/Kg	1.00		96.3		30-150	
Surrogate: Decachlorobiphenyl [2C]	1.00		mg/Kg	1.00		100		30-150	
Surrogate: Tetrachloro-m-xylene	0.938		mg/Kg	1.00		93.8		30-150	
Surrogate: Tetrachloro-m-xylene [2C]	0.918		mg/Kg	1.00		91.8		30-150	
Matrix Spike Dup (B061120-MSD1)	Source: 12J0641-03			Prepared: 10/18/12 Analyzed: 10/21/12					
Aroclor-1016	2.8	0.10	mg/Kg	0.250	0.0	1110	*	40-140	29.3
Aroclor-1016 [2C]	1.4	0.10	mg/Kg	0.250	0.0	548	*	40-140	30.6
Aroclor-1260	0.69	0.10	mg/Kg	0.250	0.0	276	*	40-140	77.5 *
Aroclor-1260 [2C]	0.63	0.10	mg/Kg	0.250	0.0	254	*	40-140	87.8 *
Surrogate: Decachlorobiphenyl	0.843		mg/Kg	1.00		84.3		30-150	
Surrogate: Decachlorobiphenyl [2C]	0.897		mg/Kg	1.00		89.7		30-150	
Surrogate: Tetrachloro-m-xylene	0.876		mg/Kg	1.00		87.6		30-150	
Surrogate: Tetrachloro-m-xylene [2C]	0.863		mg/Kg	1.00		86.3		30-150	

Batch B061123 - SW-846 3540C

Blank (B061123-BLK1)	Prepared: 10/18/12 Analyzed: 10/22/12					
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	0.931		mg/Kg	1.00	93.1	30-150
Surrogate: Decachlorobiphenyl [2C]	0.915		mg/Kg	1.00	91.5	30-150
Surrogate: Tetrachloro-m-xylene	0.820		mg/Kg	1.00	82.0	30-150
Surrogate: Tetrachloro-m-xylene [2C]	0.844		mg/Kg	1.00	84.4	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	RPD Limit	Notes
Batch B061123 - SW-846 3540C										
LCS (B061123-BS1)										
Prepared: 10/18/12 Analyzed: 10/22/12										
Aroclor-1016	0.28	0.10	mg/Kg	0.250	113	40-140				
Aroclor-1016 [2C]	0.26	0.10	mg/Kg	0.250	103	40-140				
Aroclor-1260	0.26	0.10	mg/Kg	0.250	103	40-140				
Aroclor-1260 [2C]	0.25	0.10	mg/Kg	0.250	98.4	40-140				
Surrogate: Decachlorobiphenyl	0.981		mg/Kg	1.00	98.1	30-150				
Surrogate: Decachlorobiphenyl [2C]	0.966		mg/Kg	1.00	96.6	30-150				
Surrogate: Tetrachloro-m-xylene	0.886		mg/Kg	1.00	88.6	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	0.907		mg/Kg	1.00	90.7	30-150				
LCS Dup (B061123-BSD1)										
Prepared: 10/18/12 Analyzed: 10/22/12										
Aroclor-1016	0.28	0.10	mg/Kg	0.250	113	40-140	0.676	30		
Aroclor-1016 [2C]	0.25	0.10	mg/Kg	0.250	98.4	40-140	4.89	30		
Aroclor-1260	0.25	0.10	mg/Kg	0.250	102	40-140	1.18	30		
Aroclor-1260 [2C]	0.24	0.10	mg/Kg	0.250	97.6	40-140	0.788	30		
Surrogate: Decachlorobiphenyl	0.970		mg/Kg	1.00	97.0	30-150				
Surrogate: Decachlorobiphenyl [2C]	0.960		mg/Kg	1.00	96.0	30-150				
Surrogate: Tetrachloro-m-xylene	0.892		mg/Kg	1.00	89.2	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	0.918		mg/Kg	1.00	91.8	30-150				
Matrix Spike (B061123-MS1)										
Source: 12J0641-05										
Prepared: 10/18/12 Analyzed: 10/23/12										
Aroclor-1016	0.29	0.10	mg/Kg	0.250	0.0	116	40-140			
Aroclor-1016 [2C]	0.36	0.10	mg/Kg	0.250	0.0	145 *	40-140			MS-21
Aroclor-1260	0.46	0.10	mg/Kg	0.250	0.0	185 *	40-140			MS-21
Aroclor-1260 [2C]	0.44	0.10	mg/Kg	0.250	0.0	177 *	40-140			MS-21
Surrogate: Decachlorobiphenyl	0.895		mg/Kg	1.00	89.5	30-150				
Surrogate: Decachlorobiphenyl [2C]	0.879		mg/Kg	1.00	87.9	30-150				
Surrogate: Tetrachloro-m-xylene	0.814		mg/Kg	1.00	81.4	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	0.832		mg/Kg	1.00	83.2	30-150				
Matrix Spike Dup (B061123-MSD1)										
Source: 12J0641-05										
Prepared: 10/18/12 Analyzed: 10/23/12										
Aroclor-1016	0.32	0.10	mg/Kg	0.250	0.0	129	40-140	10.3	50	
Aroclor-1016 [2C]	0.43	0.10	mg/Kg	0.250	0.0	170 *	40-140	15.7	50	MS-21
Aroclor-1260	0.52	0.10	mg/Kg	0.250	0.0	210 *	40-140	12.7	50	MS-21
Aroclor-1260 [2C]	0.53	0.10	mg/Kg	0.250	0.0	210 *	40-140	17.1	50	MS-21
Surrogate: Decachlorobiphenyl	0.939		mg/Kg	1.00	93.9	30-150				
Surrogate: Decachlorobiphenyl [2C]	0.930		mg/Kg	1.00	93.0	30-150				
Surrogate: Tetrachloro-m-xylene	0.907		mg/Kg	1.00	90.7	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	0.933		mg/Kg	1.00	93.3	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.

- 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.
- 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



CHAIN OF CUSTODY RECORD

Phone: 413-525-2332

39 Spruce Street
East Longmeadow, MA 01028

Page _____ of _____

Comments

**† TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS
IS INCORRECT TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.**

Please be careful not to contaminate this document



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

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 2 of 3

Company Name: Amc Environmental

Telephone:

of Containers

Address: 622 Clinton Ave

Project #

** Preservation

Attention:

Client PO#

*** Container Code

Bridgewater, CT

FAX #

Dissolved Metal

Project Location: Fairfield Ludlowe H.S.

EMAIL

O Field Filtered

Sampled By: Justo Projects

WEBSITE

O Lab to Filter

Project Proposal Provided? (for billing purposes)

Yes _____ proposal date

** Cont. Code:

Project Proposal Provided? (for billing purposes)

Yes _____ proposal date

A=Amber glass

Project Proposal Provided? (for billing purposes)

Yes _____ proposal date

G=glass

Project Proposal Provided? (for billing purposes)

Yes _____ proposal date

P=plastic

Project Proposal Provided? (for billing purposes)

Yes _____ proposal date

ST=sterile

Project Proposal Provided? (for billing purposes)

Yes _____ proposal date

V=vial

Project Proposal Provided? (for billing purposes)

Yes _____ proposal date

S=summary can

Project Proposal Provided? (for billing purposes)

Yes _____ proposal date

T=tedlar bag

Project Proposal Provided? (for billing purposes)

Yes _____ proposal date

O=Other

Project Proposal Provided? (for billing purposes)

Yes _____ proposal date

**Preservation

Project Proposal Provided? (for billing purposes)

Yes _____ proposal date

I=iced

Project Proposal Provided? (for billing purposes)

Yes _____ proposal date

H=HCl

Project Proposal Provided? (for billing purposes)

Yes _____ proposal date

M=Methanol

Project Proposal Provided? (for billing purposes)

Yes _____ proposal date

N=nitric Acid

Project Proposal Provided? (for billing purposes)

Yes _____ proposal date

S=Sulfuric Acid

Project Proposal Provided? (for billing purposes)

Yes _____ proposal date

B=Sodium bisulfate

Project Proposal Provided? (for billing purposes)

Yes _____ proposal date

X=Na hydroxide

Project Proposal Provided? (for billing purposes)

Yes _____ proposal date

T=Na thiosulfate

Project Proposal Provided? (for billing purposes)

Yes _____ proposal date

O=Other

Project Proposal Provided? (for billing purposes)

Yes _____ proposal date

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

Relinquished by: (signature)

10/4/95

Date/Time:

10-13-12

Turnaround

5-7 Day

10-Day

Other _____

RUSH

Connecticut

L1

ppm

Date/Time:

10/16/95

t24-Hr

t48-Hr

4-Day

Date/Time:

10/16/95

Require lab approval

Other _____

</p



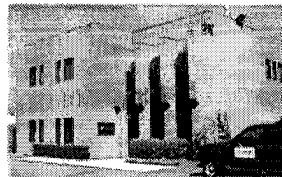
con-test® Phone: 413-525-2332
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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 3 of 3

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



Sample Receipt Checklist

CLIENT NAME: AMC

RECEIVED BY: KKM

DATE: 10/16/12

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:

Yes No

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

3.5

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>22</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 _____

October 23, 2012

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

Project Location: Fairfield Ludlowe H.S.

Client Job Number:

Project Number: [none]

Laboratory Work Order Number: 12J0641

Enclosed are results of analyses for samples received by the laboratory on October 16, 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: 10/23/2012

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

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12J0641

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

PROJECT LOCATION: Fairfield Ludlowe H.S.

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
10-13 Sub 01-1	12J0641-01	Product/Solid		SW-846 8082A	
10-13 Sub 01-2	12J0641-02	Product/Solid		SW-846 8082A	
10-13 Sub 02-1	12J0641-03	Product/Solid		SW-846 8082A	
10-13 Sub 02-2	12J0641-04	Product/Solid		SW-846 8082A	
10-13 Sub 03-1	12J0641-05	Product/Solid		SW-846 8082A	
10-13 Sub 03-2	12J0641-06	Product/Solid		SW-846 8082A	
10-13 Sub 03-3	12J0641-07	Product/Solid		SW-846 8082A	
10-13 Sub 04-1	12J0641-08	Product/Solid		SW-846 8082A	
10-13 Sub 04-2	12J0641-09	Product/Solid		SW-846 8082A	
10-13 Sub 04-3	12J0641-10	Product/Solid		SW-846 8082A	
10-13 Sub 05-1	12J0641-11	Product/Solid		SW-846 8082A	
10-13 Sub 05-2	12J0641-12	Product/Solid		SW-846 8082A	
10-13 Sub 05-3	12J0641-13	Product/Solid		SW-846 8082A	
10-13 Sub 06-1	12J0641-14	Product/Solid		SW-846 8082A	
10-13 Sub 06-2	12J0641-15	Product/Solid		SW-846 8082A	
10-13 Sub 06-3	12J0641-16	Product/Solid		SW-846 8082A	
10-13 Sub 07-1	12J0641-17	Product/Solid		SW-846 8082A	
10-13 Sub 07-2	12J0641-18	Product/Solid		SW-846 8082A	
10-13 Sub 07-3	12J0641-19	Product/Solid		SW-846 8082A	
10-13 Sub 08-1	12J0641-20	Product/Solid		SW-846 8082A	
10-13 Sub 08-2	12J0641-21	Product/Solid		SW-846 8082A	
10-13 Sub 08-3	12J0641-22	Product/Solid		SW-846 8082A	

CASE NARRATIVE SUMMARY

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

SW-846 8082A

Qualifications:

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

Analyte & Samples(s) Qualified:

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

B061120-MS1, B061120-MSD1, B061123-MS1, B061123-MSD1

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

Analyte & Samples(s) Qualified:

Aroclor-1254

12J0641-01[10-13 Sub 01-1]

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

B061120-BS1, B061120-BSD1, B061120-MS1, B061120-MSD1

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: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Field Sample #: 10-13 Sub 01-1

Sampled: 10/13/2012 00:00

Sample ID: 12J0641-01

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	0.95	mg/Kg	10		SW-846 8082A	10/18/12	10/22/12 18:47	MJC
Aroclor-1221 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/18/12	10/22/12 18:47	MJC
Aroclor-1232 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/18/12	10/22/12 18:47	MJC
Aroclor-1242 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/18/12	10/22/12 18:47	MJC
Aroclor-1248 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/18/12	10/22/12 18:47	MJC
Aroclor-1254 [1]	3.8	0.95	mg/Kg	10	O-03	SW-846 8082A	10/18/12	10/22/12 18:47	MJC
Aroclor-1260 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/18/12	10/22/12 18:47	MJC
Aroclor-1262 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/18/12	10/22/12 18:47	MJC
Aroclor-1268 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/18/12	10/22/12 18:47	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	87.6	30-150							10/22/12 18:47
Decachlorobiphenyl [2]	86.0	30-150							10/22/12 18:47
Tetrachloro-m-xylene [1]	83.3	30-150							10/22/12 18:47
Tetrachloro-m-xylene [2]	84.1	30-150							10/22/12 18:47

Project Location: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Field Sample #: 10-13 Sub 01-2

Sampled: 10/13/2012 00:00

Sample ID: 12J0641-02

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	0.48	mg/Kg	5		SW-846 8082A	10/18/12	10/22/12 19:00	MJC
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/18/12	10/22/12 19:00	MJC
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/18/12	10/22/12 19:00	MJC
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/18/12	10/22/12 19:00	MJC
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/18/12	10/22/12 19:00	MJC
Aroclor-1254 [1]	2.3	0.48	mg/Kg	5		SW-846 8082A	10/18/12	10/22/12 19:00	MJC
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/18/12	10/22/12 19:00	MJC
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/18/12	10/22/12 19:00	MJC
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/18/12	10/22/12 19:00	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		87.3	30-150					10/22/12 19:00	
Decachlorobiphenyl [2]		87.1	30-150					10/22/12 19:00	
Tetrachloro-m-xylene [1]		84.8	30-150					10/22/12 19:00	
Tetrachloro-m-xylene [2]		85.1	30-150					10/22/12 19:00	

Project Location: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Field Sample #: 10-13 Sub 02-1

Sampled: 10/13/2012 00:00

Sample ID: 12J0641-03

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	0.20	mg/Kg	2		SW-846 8082A	10/18/12	10/22/12 19:12	MJC
Aroclor-1221 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	10/18/12	10/22/12 19:12	MJC
Aroclor-1232 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	10/18/12	10/22/12 19:12	MJC
Aroclor-1242 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	10/18/12	10/22/12 19:12	MJC
Aroclor-1248 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	10/18/12	10/22/12 19:12	MJC
Aroclor-1254 [1]	1.8	0.20	mg/Kg	2		SW-846 8082A	10/18/12	10/22/12 19:12	MJC
Aroclor-1260 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	10/18/12	10/22/12 19:12	MJC
Aroclor-1262 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	10/18/12	10/22/12 19:12	MJC
Aroclor-1268 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	10/18/12	10/22/12 19:12	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		86.3	30-150					10/22/12 19:12	
Decachlorobiphenyl [2]		88.1	30-150					10/22/12 19:12	
Tetrachloro-m-xylene [1]		83.9	30-150					10/22/12 19:12	
Tetrachloro-m-xylene [2]		84.5	30-150					10/22/12 19:12	

Project Location: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Field Sample #: 10-13 Sub 02-2

Sampled: 10/13/2012 00:00

Sample ID: 12J0641-04

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	0.45	mg/Kg	5		SW-846 8082A	10/18/12	10/22/12 19:24	MJC
Aroclor-1221 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/18/12	10/22/12 19:24	MJC
Aroclor-1232 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/18/12	10/22/12 19:24	MJC
Aroclor-1242 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/18/12	10/22/12 19:24	MJC
Aroclor-1248 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/18/12	10/22/12 19:24	MJC
Aroclor-1254 [1]	1.9	0.45	mg/Kg	5		SW-846 8082A	10/18/12	10/22/12 19:24	MJC
Aroclor-1260 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/18/12	10/22/12 19:24	MJC
Aroclor-1262 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/18/12	10/22/12 19:24	MJC
Aroclor-1268 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/18/12	10/22/12 19:24	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		89.7	30-150					10/22/12 19:24	
Decachlorobiphenyl [2]		89.3	30-150					10/22/12 19:24	
Tetrachloro-m-xylene [1]		87.0	30-150					10/22/12 19:24	
Tetrachloro-m-xylene [2]		87.2	30-150					10/22/12 19:24	

Project Location: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Field Sample #: 10-13 Sub 03-1

Sampled: 10/13/2012 00:00

Sample ID: 12J0641-05

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	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:00	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:00	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:00	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:00	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:00	MJC
Aroclor-1254 [1]	0.62	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:00	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:00	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:00	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:00	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	92.3	30-150							10/22/12 23:00
Decachlorobiphenyl [2]	91.1	30-150							10/22/12 23:00
Tetrachloro-m-xylene [1]	83.3	30-150							10/22/12 23:00
Tetrachloro-m-xylene [2]	85.9	30-150							10/22/12 23:00

Project Location: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Field Sample #: 10-13 Sub 03-2

Sampled: 10/13/2012 00:00

Sample ID: 12J0641-06

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	10/18/12	10/22/12 23:13	MJC
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:13	MJC
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:13	MJC
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:13	MJC
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:13	MJC
Aroclor-1254 [2]	0.82	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:13	MJC
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:13	MJC
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:13	MJC
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:13	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	96.2	30-150							10/22/12 23:13
Decachlorobiphenyl [2]	95.6	30-150							10/22/12 23:13
Tetrachloro-m-xylene [1]	85.7	30-150							10/22/12 23:13
Tetrachloro-m-xylene [2]	88.1	30-150							10/22/12 23:13

Project Location: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Field Sample #: 10-13 Sub 03-3

Sampled: 10/13/2012 00:00

Sample ID: 12J0641-07

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	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:26	MJC
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:26	MJC
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:26	MJC
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:26	MJC
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:26	MJC
Aroclor-1254 [2]	0.57	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:26	MJC
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:26	MJC
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:26	MJC
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:26	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	94.9	30-150							10/22/12 23:26
Decachlorobiphenyl [2]	93.8	30-150							10/22/12 23:26
Tetrachloro-m-xylene [1]	87.4	30-150							10/22/12 23:26
Tetrachloro-m-xylene [2]	89.6	30-150							10/22/12 23:26

Project Location: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Field Sample #: 10-13 Sub 04-1

Sampled: 10/13/2012 00:00

Sample ID: 12J0641-08

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	0.18	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 10:32	MJC
Aroclor-1221 [1]	ND	0.18	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 10:32	MJC
Aroclor-1232 [1]	ND	0.18	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 10:32	MJC
Aroclor-1242 [1]	ND	0.18	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 10:32	MJC
Aroclor-1248 [1]	ND	0.18	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 10:32	MJC
Aroclor-1254 [2]	1.5	0.18	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 10:32	MJC
Aroclor-1260 [1]	ND	0.18	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 10:32	MJC
Aroclor-1262 [1]	ND	0.18	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 10:32	MJC
Aroclor-1268 [1]	ND	0.18	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 10:32	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		91.4	30-150					10/23/12 10:32	
Decachlorobiphenyl [2]		88.6	30-150					10/23/12 10:32	
Tetrachloro-m-xylene [1]		82.5	30-150					10/23/12 10:32	
Tetrachloro-m-xylene [2]		84.3	30-150					10/23/12 10:32	

Project Location: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Field Sample #: 10-13 Sub 04-2

Sampled: 10/13/2012 00:00

Sample ID: 12J0641-09

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	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:51	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:51	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:51	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:51	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:51	MJC
Aroclor-1254 [2]	0.83	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:51	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:51	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:51	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/22/12 23:51	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		94.3	30-150					10/22/12 23:51	
Decachlorobiphenyl [2]		93.0	30-150					10/22/12 23:51	
Tetrachloro-m-xylene [1]		85.2	30-150					10/22/12 23:51	
Tetrachloro-m-xylene [2]		87.9	30-150					10/22/12 23:51	

Project Location: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Field Sample #: 10-13 Sub 04-3

Sampled: 10/13/2012 00:00

Sample ID: 12J0641-10

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	0.29	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 10:45	MJC
Aroclor-1221 [1]	ND	0.29	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 10:45	MJC
Aroclor-1232 [1]	ND	0.29	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 10:45	MJC
Aroclor-1242 [1]	ND	0.29	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 10:45	MJC
Aroclor-1248 [1]	ND	0.29	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 10:45	MJC
Aroclor-1254 [2]	1.7	0.29	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 10:45	MJC
Aroclor-1260 [1]	ND	0.29	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 10:45	MJC
Aroclor-1262 [1]	ND	0.29	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 10:45	MJC
Aroclor-1268 [1]	ND	0.29	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 10:45	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	92.9	30-150							10/23/12 10:45
Decachlorobiphenyl [2]	89.9	30-150							10/23/12 10:45
Tetrachloro-m-xylene [1]	85.1	30-150							10/23/12 10:45
Tetrachloro-m-xylene [2]	86.5	30-150							10/23/12 10:45

Project Location: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Field Sample #: 10-13 Sub 05-1

Sampled: 10/13/2012 00:00

Sample ID: 12J0641-11

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	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 10:58	MJC
Aroclor-1221 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 10:58	MJC
Aroclor-1232 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 10:58	MJC
Aroclor-1242 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 10:58	MJC
Aroclor-1248 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 10:58	MJC
Aroclor-1254 [1]	3.5	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 10:58	MJC
Aroclor-1260 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 10:58	MJC
Aroclor-1262 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 10:58	MJC
Aroclor-1268 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 10:58	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		91.3	30-150					10/23/12 10:58	
Decachlorobiphenyl [2]		83.6	30-150					10/23/12 10:58	
Tetrachloro-m-xylene [1]		83.8	30-150					10/23/12 10:58	
Tetrachloro-m-xylene [2]		80.0	30-150					10/23/12 10:58	

Project Location: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Field Sample #: 10-13 Sub 05-2

Sampled: 10/13/2012 00:00

Sample ID: 12J0641-12

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	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 11:10	MJC
Aroclor-1221 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 11:10	MJC
Aroclor-1232 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 11:10	MJC
Aroclor-1242 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 11:10	MJC
Aroclor-1248 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 11:10	MJC
Aroclor-1254 [1]	4.2	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 11:10	MJC
Aroclor-1260 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 11:10	MJC
Aroclor-1262 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 11:10	MJC
Aroclor-1268 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 11:10	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		108	30-150					10/23/12 11:10	
Decachlorobiphenyl [2]		99.8	30-150					10/23/12 11:10	
Tetrachloro-m-xylene [1]		96.6	30-150					10/23/12 11:10	
Tetrachloro-m-xylene [2]		93.1	30-150					10/23/12 11:10	

Project Location: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Field Sample #: 10-13 Sub 05-3

Sampled: 10/13/2012 00:00

Sample ID: 12J0641-13

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	0.45	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 11:23	MJC
Aroclor-1221 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 11:23	MJC
Aroclor-1232 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 11:23	MJC
Aroclor-1242 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 11:23	MJC
Aroclor-1248 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 11:23	MJC
Aroclor-1254 [1]	2.1	0.45	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 11:23	MJC
Aroclor-1260 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 11:23	MJC
Aroclor-1262 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 11:23	MJC
Aroclor-1268 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 11:23	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		107	30-150					10/23/12 11:23	
Decachlorobiphenyl [2]		99.2	30-150					10/23/12 11:23	
Tetrachloro-m-xylene [1]		93.3	30-150					10/23/12 11:23	
Tetrachloro-m-xylene [2]		92.4	30-150					10/23/12 11:23	

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Project Location: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Sampled: 10/13/2012 00:00

Field Sample #: 10-13 Sub 06-1

Sample ID: 12J0641-14

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	10/18/12	10/23/12 11:36	MJC
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 11:36	MJC
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 11:36	MJC
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 11:36	MJC
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 11:36	MJC
Aroclor-1254 [1]	2.3	0.48	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 11:36	MJC
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 11:36	MJC
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 11:36	MJC
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 11:36	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	101	30-150						10/23/12 11:36	
Decachlorobiphenyl [2]	94.9	30-150						10/23/12 11:36	
Tetrachloro-m-xylene [1]	52.7	30-150						10/23/12 11:36	
Tetrachloro-m-xylene [2]	51.1	30-150						10/23/12 11:36	

Project Location: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Field Sample #: 10-13 Sub 06-2

Sampled: 10/13/2012 00:00

Sample ID: 12J0641-15

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	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 11:49	MJC
Aroclor-1221 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 11:49	MJC
Aroclor-1232 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 11:49	MJC
Aroclor-1242 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 11:49	MJC
Aroclor-1248 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 11:49	MJC
Aroclor-1254 [2]	3.0	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 11:49	MJC
Aroclor-1260 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 11:49	MJC
Aroclor-1262 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 11:49	MJC
Aroclor-1268 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/18/12	10/23/12 11:49	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		109	30-150					10/23/12 11:49	
Decachlorobiphenyl [2]		102	30-150					10/23/12 11:49	
Tetrachloro-m-xylene [1]		93.5	30-150					10/23/12 11:49	
Tetrachloro-m-xylene [2]		89.9	30-150					10/23/12 11:49	

Project Location: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Field Sample #: 10-13 Sub 06-3

Sampled: 10/13/2012 00:00

Sample ID: 12J0641-16

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	0.43	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 12:02	MJC
Aroclor-1221 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 12:02	MJC
Aroclor-1232 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 12:02	MJC
Aroclor-1242 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 12:02	MJC
Aroclor-1248 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 12:02	MJC
Aroclor-1254 [1]	2.0	0.43	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 12:02	MJC
Aroclor-1260 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 12:02	MJC
Aroclor-1262 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 12:02	MJC
Aroclor-1268 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	10/18/12	10/23/12 12:02	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		112	30-150					10/23/12 12:02	
Decachlorobiphenyl [2]		106	30-150					10/23/12 12:02	
Tetrachloro-m-xylene [1]		97.6	30-150					10/23/12 12:02	
Tetrachloro-m-xylene [2]		96.2	30-150					10/23/12 12:02	

Project Location: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Field Sample #: 10-13 Sub 07-1

Sampled: 10/13/2012 00:00

Sample ID: 12J0641-17

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	10/18/12	10/23/12 2:13	MJC
Aroclor-1221 [1]	ND	0.12	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:13	MJC
Aroclor-1232 [1]	ND	0.12	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:13	MJC
Aroclor-1242 [1]	ND	0.12	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:13	MJC
Aroclor-1248 [1]	ND	0.12	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:13	MJC
Aroclor-1254 [1]	ND	0.12	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:13	MJC
Aroclor-1260 [1]	ND	0.12	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:13	MJC
Aroclor-1262 [1]	ND	0.12	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:13	MJC
Aroclor-1268 [1]	ND	0.12	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:13	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		94.4	30-150					10/23/12 2:13	
Decachlorobiphenyl [2]		93.0	30-150					10/23/12 2:13	
Tetrachloro-m-xylene [1]		91.6	30-150					10/23/12 2:13	
Tetrachloro-m-xylene [2]		94.2	30-150					10/23/12 2:13	

Project Location: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Field Sample #: 10-13 Sub 07-2

Sampled: 10/13/2012 00:00

Sample ID: 12J0641-18

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	0.19	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 12:15	MJC
Aroclor-1221 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 12:15	MJC
Aroclor-1232 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 12:15	MJC
Aroclor-1242 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 12:15	MJC
Aroclor-1248 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 12:15	MJC
Aroclor-1254 [2]	1.1	0.19	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 12:15	MJC
Aroclor-1260 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 12:15	MJC
Aroclor-1262 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 12:15	MJC
Aroclor-1268 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	10/18/12	10/23/12 12:15	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	103	30-150							10/23/12 12:15
Decachlorobiphenyl [2]	101	30-150							10/23/12 12:15
Tetrachloro-m-xylene [1]	99.4	30-150							10/23/12 12:15
Tetrachloro-m-xylene [2]	101	30-150							10/23/12 12:15

Project Location: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Field Sample #: 10-13 Sub 07-3

Sampled: 10/13/2012 00:00

Sample ID: 12J0641-19

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	10/18/12	10/23/12 2:39	MJC
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:39	MJC
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:39	MJC
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:39	MJC
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:39	MJC
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:39	MJC
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:39	MJC
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:39	MJC
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:39	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	98.2	30-150						10/23/12 2:39	
Decachlorobiphenyl [2]	97.0	30-150						10/23/12 2:39	
Tetrachloro-m-xylene [1]	93.7	30-150						10/23/12 2:39	
Tetrachloro-m-xylene [2]	96.2	30-150						10/23/12 2:39	

Project Location: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Field Sample #: 10-13 Sub 08-1

Sampled: 10/13/2012 00:00

Sample ID: 12J0641-20

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	10/18/12	10/23/12 2:52	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:52	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:52	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:52	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:52	MJC
Aroclor-1254 [2]	0.11	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:52	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:52	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:52	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 2:52	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		82.0	30-150					10/23/12 2:52	
Decachlorobiphenyl [2]		80.9	30-150					10/23/12 2:52	
Tetrachloro-m-xylene [1]		79.7	30-150					10/23/12 2:52	
Tetrachloro-m-xylene [2]		82.1	30-150					10/23/12 2:52	

Project Location: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Field Sample #: 10-13 Sub 08-2

Sampled: 10/13/2012 00:00

Sample ID: 12J0641-21

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	10/18/12	10/23/12 3:05	MJC
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 3:05	MJC
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 3:05	MJC
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 3:05	MJC
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 3:05	MJC
Aroclor-1254 [2]	0.32	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 3:05	MJC
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 3:05	MJC
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 3:05	MJC
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 3:05	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		91.7	30-150					10/23/12 3:05	
Decachlorobiphenyl [2]		91.0	30-150					10/23/12 3:05	
Tetrachloro-m-xylene [1]		80.9	30-150					10/23/12 3:05	
Tetrachloro-m-xylene [2]		82.4	30-150					10/23/12 3:05	

Project Location: Fairfield Ludlowe H.S.

Sample Description:

Work Order: 12J0641

Date Received: 10/16/2012

Field Sample #: 10-13 Sub 08-3

Sampled: 10/13/2012 00:00

Sample ID: 12J0641-22

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	0.17	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 3:18	MJC
Aroclor-1221 [1]	ND	0.17	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 3:18	MJC
Aroclor-1232 [1]	ND	0.17	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 3:18	MJC
Aroclor-1242 [1]	ND	0.17	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 3:18	MJC
Aroclor-1248 [1]	ND	0.17	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 3:18	MJC
Aroclor-1254 [1]	ND	0.17	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 3:18	MJC
Aroclor-1260 [1]	0.33	0.17	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 3:18	MJC
Aroclor-1262 [1]	ND	0.17	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 3:18	MJC
Aroclor-1268 [1]	ND	0.17	mg/Kg	1		SW-846 8082A	10/18/12	10/23/12 3:18	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	93.6	30-150							10/23/12 3:18
Decachlorobiphenyl [2]	92.8	30-150							10/23/12 3:18
Tetrachloro-m-xylene [1]	84.6	30-150							10/23/12 3:18
Tetrachloro-m-xylene [2]	87.0	30-150							10/23/12 3:18

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
12J0641-01 [10-13 Sub 01-1]	B061120	2.10	10.0	10/18/12
12J0641-02 [10-13 Sub 01-2]	B061120	2.10	10.0	10/18/12
12J0641-03 [10-13 Sub 02-1]	B061120	2.00	10.0	10/18/12
12J0641-04 [10-13 Sub 02-2]	B061120	2.20	10.0	10/18/12

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
12J0641-05 [10-13 Sub 03-1]	B061123	2.00	10.0	10/18/12
12J0641-06 [10-13 Sub 03-2]	B061123	2.10	10.0	10/18/12
12J0641-07 [10-13 Sub 03-3]	B061123	2.10	10.0	10/18/12
12J0641-08 [10-13 Sub 04-1]	B061123	2.20	10.0	10/18/12
12J0641-09 [10-13 Sub 04-2]	B061123	2.00	10.0	10/18/12
12J0641-10 [10-13 Sub 04-3]	B061123	1.40	10.0	10/18/12
12J0641-11 [10-13 Sub 05-1]	B061123	2.00	10.0	10/18/12
12J0641-12 [10-13 Sub 05-2]	B061123	2.00	10.0	10/18/12
12J0641-13 [10-13 Sub 05-3]	B061123	2.20	10.0	10/18/12
12J0641-14 [10-13 Sub 06-1]	B061123	2.10	10.0	10/18/12
12J0641-15 [10-13 Sub 06-2]	B061123	2.00	10.0	10/18/12
12J0641-16 [10-13 Sub 06-3]	B061123	2.30	10.0	10/18/12
12J0641-17 [10-13 Sub 07-1]	B061123	1.60	10.0	10/18/12
12J0641-18 [10-13 Sub 07-2]	B061123	2.10	10.0	10/18/12
12J0641-19 [10-13 Sub 07-3]	B061123	2.20	10.0	10/18/12
12J0641-20 [10-13 Sub 08-1]	B061123	2.00	10.0	10/18/12
12J0641-21 [10-13 Sub 08-2]	B061123	2.10	10.0	10/18/12
12J0641-22 [10-13 Sub 08-3]	B061123	1.20	10.0	10/18/12

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 B061120 - SW-846 3540C
Blank (B061120-BLK1)

					Prepared: 10/18/12 Analyzed: 10/21/12				
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	0.862		mg/Kg	1.00		86.2	30-150		
Surrogate: Decachlorobiphenyl [2C]	0.877		mg/Kg	1.00		87.7	30-150		
Surrogate: Tetrachloro-m-xylene	0.826		mg/Kg	1.00		82.6	30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.829		mg/Kg	1.00		82.9	30-150		

LCS (B061120-BS1)

					Prepared: 10/18/12 Analyzed: 10/21/12				
Aroclor-1016	0.27	0.10	mg/Kg	0.250		108	40-140		
Aroclor-1016 [2C]	0.28	0.10	mg/Kg	0.250		112	40-140		
Aroclor-1260	0.29	0.10	mg/Kg	0.250		117	40-140		V-06
Aroclor-1260 [2C]	0.26	0.10	mg/Kg	0.250		104	40-140		
Surrogate: Decachlorobiphenyl	1.00		mg/Kg	1.00		100	30-150		
Surrogate: Decachlorobiphenyl [2C]	1.03		mg/Kg	1.00		103	30-150		
Surrogate: Tetrachloro-m-xylene	0.977		mg/Kg	1.00		97.7	30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.981		mg/Kg	1.00		98.1	30-150		

LCS Dup (B061120-BSD1)

					Prepared: 10/18/12 Analyzed: 10/21/12				
Aroclor-1016	0.25	0.10	mg/Kg	0.250		99.9	40-140	8.23	30
Aroclor-1016 [2C]	0.25	0.10	mg/Kg	0.250		101	40-140	9.83	30
Aroclor-1260	0.27	0.10	mg/Kg	0.250		110	40-140	6.28	30
Aroclor-1260 [2C]	0.25	0.10	mg/Kg	0.250		98.5	40-140	5.94	30
Surrogate: Decachlorobiphenyl	0.911		mg/Kg	1.00		91.1	30-150		
Surrogate: Decachlorobiphenyl [2C]	0.932		mg/Kg	1.00		93.2	30-150		
Surrogate: Tetrachloro-m-xylene	0.840		mg/Kg	1.00		84.0	30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.843		mg/Kg	1.00		84.3	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 B061120 - SW-846 3540C

Matrix Spike (B061120-MS1)	Source: 12J0641-03			Prepared: 10/18/12 Analyzed: 10/21/12					
Aroclor-1016	3.7	0.10	mg/Kg	0.250	0.0	1490	*	40-140	MS-21
Aroclor-1016 [2C]	1.9	0.10	mg/Kg	0.250	0.0	746	*	40-140	MS-21
Aroclor-1260	1.6	0.10	mg/Kg	0.250	0.0	625	*	40-140	MS-21, V-06
Aroclor-1260 [2C]	1.6	0.10	mg/Kg	0.250	0.0	651	*	40-140	MS-21
Surrogate: Decachlorobiphenyl	0.963		mg/Kg	1.00		96.3		30-150	
Surrogate: Decachlorobiphenyl [2C]	1.00		mg/Kg	1.00		100		30-150	
Surrogate: Tetrachloro-m-xylene	0.938		mg/Kg	1.00		93.8		30-150	
Surrogate: Tetrachloro-m-xylene [2C]	0.918		mg/Kg	1.00		91.8		30-150	
Matrix Spike Dup (B061120-MSD1)	Source: 12J0641-03			Prepared: 10/18/12 Analyzed: 10/21/12					
Aroclor-1016	2.8	0.10	mg/Kg	0.250	0.0	1110	*	40-140	29.3
Aroclor-1016 [2C]	1.4	0.10	mg/Kg	0.250	0.0	548	*	40-140	30.6
Aroclor-1260	0.69	0.10	mg/Kg	0.250	0.0	276	*	40-140	77.5 *
Aroclor-1260 [2C]	0.63	0.10	mg/Kg	0.250	0.0	254	*	40-140	87.8 *
Surrogate: Decachlorobiphenyl	0.843		mg/Kg	1.00		84.3		30-150	
Surrogate: Decachlorobiphenyl [2C]	0.897		mg/Kg	1.00		89.7		30-150	
Surrogate: Tetrachloro-m-xylene	0.876		mg/Kg	1.00		87.6		30-150	
Surrogate: Tetrachloro-m-xylene [2C]	0.863		mg/Kg	1.00		86.3		30-150	

Batch B061123 - SW-846 3540C

Blank (B061123-BLK1)	Prepared: 10/18/12 Analyzed: 10/22/12					
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	0.931		mg/Kg	1.00	93.1	30-150
Surrogate: Decachlorobiphenyl [2C]	0.915		mg/Kg	1.00	91.5	30-150
Surrogate: Tetrachloro-m-xylene	0.820		mg/Kg	1.00	82.0	30-150
Surrogate: Tetrachloro-m-xylene [2C]	0.844		mg/Kg	1.00	84.4	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	RPD Limit	Notes
Batch B061123 - SW-846 3540C										
LCS (B061123-BS1)										
Prepared: 10/18/12 Analyzed: 10/22/12										
Aroclor-1016	0.28	0.10	mg/Kg	0.250	113	40-140				
Aroclor-1016 [2C]	0.26	0.10	mg/Kg	0.250	103	40-140				
Aroclor-1260	0.26	0.10	mg/Kg	0.250	103	40-140				
Aroclor-1260 [2C]	0.25	0.10	mg/Kg	0.250	98.4	40-140				
Surrogate: Decachlorobiphenyl	0.981		mg/Kg	1.00	98.1	30-150				
Surrogate: Decachlorobiphenyl [2C]	0.966		mg/Kg	1.00	96.6	30-150				
Surrogate: Tetrachloro-m-xylene	0.886		mg/Kg	1.00	88.6	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	0.907		mg/Kg	1.00	90.7	30-150				
LCS Dup (B061123-BSD1)										
Prepared: 10/18/12 Analyzed: 10/22/12										
Aroclor-1016	0.28	0.10	mg/Kg	0.250	113	40-140	0.676	30		
Aroclor-1016 [2C]	0.25	0.10	mg/Kg	0.250	98.4	40-140	4.89	30		
Aroclor-1260	0.25	0.10	mg/Kg	0.250	102	40-140	1.18	30		
Aroclor-1260 [2C]	0.24	0.10	mg/Kg	0.250	97.6	40-140	0.788	30		
Surrogate: Decachlorobiphenyl	0.970		mg/Kg	1.00	97.0	30-150				
Surrogate: Decachlorobiphenyl [2C]	0.960		mg/Kg	1.00	96.0	30-150				
Surrogate: Tetrachloro-m-xylene	0.892		mg/Kg	1.00	89.2	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	0.918		mg/Kg	1.00	91.8	30-150				
Matrix Spike (B061123-MS1)										
Source: 12J0641-05										
Prepared: 10/18/12 Analyzed: 10/23/12										
Aroclor-1016	0.29	0.10	mg/Kg	0.250	0.0	116	40-140			
Aroclor-1016 [2C]	0.36	0.10	mg/Kg	0.250	0.0	145 *	40-140			MS-21
Aroclor-1260	0.46	0.10	mg/Kg	0.250	0.0	185 *	40-140			MS-21
Aroclor-1260 [2C]	0.44	0.10	mg/Kg	0.250	0.0	177 *	40-140			MS-21
Surrogate: Decachlorobiphenyl	0.895		mg/Kg	1.00	89.5	30-150				
Surrogate: Decachlorobiphenyl [2C]	0.879		mg/Kg	1.00	87.9	30-150				
Surrogate: Tetrachloro-m-xylene	0.814		mg/Kg	1.00	81.4	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	0.832		mg/Kg	1.00	83.2	30-150				
Matrix Spike Dup (B061123-MSD1)										
Source: 12J0641-05										
Prepared: 10/18/12 Analyzed: 10/23/12										
Aroclor-1016	0.32	0.10	mg/Kg	0.250	0.0	129	40-140	10.3	50	
Aroclor-1016 [2C]	0.43	0.10	mg/Kg	0.250	0.0	170 *	40-140	15.7	50	MS-21
Aroclor-1260	0.52	0.10	mg/Kg	0.250	0.0	210 *	40-140	12.7	50	MS-21
Aroclor-1260 [2C]	0.53	0.10	mg/Kg	0.250	0.0	210 *	40-140	17.1	50	MS-21
Surrogate: Decachlorobiphenyl	0.939		mg/Kg	1.00	93.9	30-150				
Surrogate: Decachlorobiphenyl [2C]	0.930		mg/Kg	1.00	93.0	30-150				
Surrogate: Tetrachloro-m-xylene	0.907		mg/Kg	1.00	90.7	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	0.933		mg/Kg	1.00	93.3	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.

- 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.
- 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

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page _____ of _____

ANALYTICAL LABORATORY
www.contestlabs.com

Company Name: Anal Environmental Telephone: 123-5678 Rev 04.05.12

Address: 622 Clinton Ave Project #: _____

Attention: Bridge Rect, CT

Project Location: Faulted Culvert H.S.

Sampled By: TSS in Probe

Project Proposal Provided? (for billing purposes)

- Yes _____ proposal date

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

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

Date/Time Conc Units

*Matrix Code

ANALYSIS REQUESTED

Dissolved Metal

Field Filtered

Lab to Filter

**Container Code:

A=amber glass

G=glass

P=plastic

S=sterile

V=vial

S=summary can

T=Other bag

O=Other

**Preservation

I=iced

H=HCl

M=Methanol

N=Nitric Acid

S=Sulfuric Acid

B=Sodium bisulfite

X=Na hydroxide

T=Na thiosulfate

O=Other

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

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

Comments: _____

Relinquished by: (signature) John Doe Date/Time: 10/13/12

Received by: (signature) John Doe Date/Time: 10/16/12

Relinquished by: (signature) John Doe Date/Time: 10/16/12

Received by: (signature) John Doe Date/Time: 10/16/12

Relinquished by: (signature) John Doe Date/Time: 10/16/12

Received by: (signature) John Doe Date/Time: 10/16/12

Relinquished by: (signature) John Doe Date/Time: 10/16/12

Turnaround [†]

Massachusetts:

Connecticut:

Rush ^t

Other: _____

Detection Limit Requirements

Is your project MCP or RCP?

MCP Form Required

RCP Form Required

MA State DW Form Required PWSID # _____

Accredited

WBE/DBE Certified



ACREDITED BY THE MASSACHUSETTS DEPARTMENT OF ENVIRONMENT

LAW

DEPARTMENT OF ENVIRONMENT

MA DEP

ACCREDITED

WBE/DBE CERTIFIED

MA DEP

ACCREDITED

WBE/DBE CERTIFIED

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

TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT



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 2 of 3

Company Name: Amc Environmental

Telephone:

of Containers

Address: 622 Clinton Ave

** Preservation

Attention: Bridgeman, CT

*** Container Code

Project Location: Fairfield Ludlow H.S.

Dissolved Metal

Sampled By: Justo Projects

O Field Filtered

Project Proposal Provided? (for billing purposes)

O Lab to Filter

- Yes _____ proposal date
 No _____

Collection: "Enhanced Data Package"
"Matrix" Data File

Soxhlet

*Matrix Data File
O Other

Client PO#

Data Delivery (check all that apply)
O FAX O EMAIL O WEBSITE

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

Fax #

Format:
O PDF O EXCEL O GIS
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

Email:

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

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

ANALYSIS REQUESTED						
Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Code
11	10-13 sub 05-1	10-13-12			5	X
12	10-13 sub 05-2					X
13	10-13 sub 05-3					X
14	10-13 sub 06-1					X
15	10-13 sub 06-2					X
16	10-13 sub 06-3					X
17	10-13 sub 07-1					X
18	10-13 sub 07-2					X
19	10-13 sub 07-3					X
20	10-13 sub 08-1					X

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:

Turnaround		Detection Limit Requirements		Is your project MCP or RCP?	
Received by: (signature)	10/4/12	Massachusetts:		<input type="radio"/> MCP Form Required	
Released by: (signature)	10/4/12			<input type="radio"/> RCP Form Required	
Date/Time:	10/16/12	Other		<input type="radio"/> MA State DW Form Required	PWSID # _____
Date/Time:	10/16/12	RUSH†	Connecticut: <u>L1 ppx</u>		NELAC & AIHA-LAP, LLC
Date/Time:					Accredited
Received by: (signature)	3:50				
Signature:	John W. Lee	Date/Time:	10/16/12 18:33	Other:	WBEDBE Certified
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.



Accredited by: AIHA-LAP, LLC

Accredited by: NELAC

Accredited by: AIHA-LAP, LLC



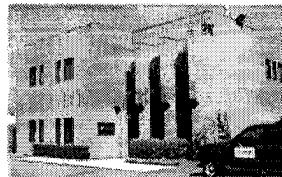
con-test® Phone: 413-525-2332
Fax: 413-525-6405

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 3 of 3

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: 10/16/12

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:

Yes No

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

3.5

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>22</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 _____

August 21, 2012

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

Project Location: Ludlowe
Client Job Number:
Project Number: Ludlowe
Laboratory Work Order Number: 12H0440

Enclosed are results of analyses for samples received by the laboratory on August 14, 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: Ludlowe

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12H0440

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

PROJECT LOCATION: Ludlowe

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Sub 12-1	12H0440-01	Product/Solid		SW-846 8082A	
Sub 12-2	12H0440-02	Product/Solid		SW-846 8082A	
Sub 12-3	12H0440-03	Product/Solid		SW-846 8082A	
Sub 13-1	12H0440-04	Product/Solid		SW-846 8082A	
Sub 13-2	12H0440-05	Product/Solid		SW-846 8082A	
Sub 13-3	12H0440-06	Product/Solid		SW-846 8082A	
Sub 14-1	12H0440-07	Product/Solid		SW-846 8082A	
Sub 14-2	12H0440-08	Product/Solid		SW-846 8082A	
Sub 14-3	12H0440-09	Product/Solid		SW-846 8082A	
Sub 15-1	12H0440-10	Product/Solid		SW-846 8082A	
Sub 15-2	12H0440-11	Product/Solid		SW-846 8082A	
Sub 15-3	12H0440-12	Product/Solid		SW-846 8082A	
Sub 16-1	12H0440-13	Product/Solid		SW-846 8082A	
Sub 16-2	12H0440-14	Product/Solid		SW-846 8082A	
Sub 16-3	12H0440-15	Product/Solid		SW-846 8082A	
Sub 17-1	12H0440-16	Product/Solid		SW-846 8082A	
Sub 17-2	12H0440-17	Product/Solid		SW-846 8082A	
Sub 17-3	12H0440-18	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]

12H0440-02[Sub 12-2], 12H0440-13[Sub 16-1], 12H0440-14[Sub 16-2], 12H0440-15[Sub 16-3], 12H0440-16[Sub 17-1], 12H0440-17[Sub 17-2], 12H0440-18[Sub 17-3]

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: Ludlowe

Sample Description:

Work Order: 12H0440

Date Received: 8/14/2012

Field Sample #: Sub 12-1

Sampled: 8/11/2012 00:00

Sample ID: 12H0440-01

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	2.5	mg/Kg	25		SW-846 8082A	8/15/12	8/18/12 17:13	MJC
Aroclor-1221 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	8/15/12	8/18/12 17:13	MJC
Aroclor-1232 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	8/15/12	8/18/12 17:13	MJC
Aroclor-1242 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	8/15/12	8/18/12 17:13	MJC
Aroclor-1248 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	8/15/12	8/18/12 17:13	MJC
Aroclor-1254 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	8/15/12	8/18/12 17:13	MJC
Aroclor-1260 [1]	15	2.5	mg/Kg	25		SW-846 8082A	8/15/12	8/18/12 17:13	MJC
Aroclor-1262 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	8/15/12	8/18/12 17:13	MJC
Aroclor-1268 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	8/15/12	8/18/12 17:13	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		111	30-150					8/18/12 17:13	
Decachlorobiphenyl [2]		128	30-150					8/18/12 17:13	
Tetrachloro-m-xylene [1]		92.5	30-150					8/18/12 17:13	
Tetrachloro-m-xylene [2]		103	30-150					8/18/12 17:13	

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

Project Location: Ludlowe

Sample Description:

Work Order: 12H0440

Date Received: 8/14/2012

Sampled: 8/11/2012 00:00

Field Sample #: Sub 12-2

Sample ID: 12H0440-02

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	4.8	mg/Kg	50		SW-846 8082A	8/15/12	8/18/12 17:25	MJC
Aroclor-1221 [1]	ND	4.8	mg/Kg	50		SW-846 8082A	8/15/12	8/18/12 17:25	MJC
Aroclor-1232 [1]	ND	4.8	mg/Kg	50		SW-846 8082A	8/15/12	8/18/12 17:25	MJC
Aroclor-1242 [1]	ND	4.8	mg/Kg	50		SW-846 8082A	8/15/12	8/18/12 17:25	MJC
Aroclor-1248 [1]	ND	4.8	mg/Kg	50		SW-846 8082A	8/15/12	8/18/12 17:25	MJC
Aroclor-1254 [1]	48	4.8	mg/Kg	50		SW-846 8082A	8/15/12	8/18/12 17:25	MJC
Aroclor-1260 [1]	ND	4.8	mg/Kg	50		SW-846 8082A	8/15/12	8/18/12 17:25	MJC
Aroclor-1262 [1]	ND	4.8	mg/Kg	50		SW-846 8082A	8/15/12	8/18/12 17:25	MJC
Aroclor-1268 [1]	ND	4.8	mg/Kg	50		SW-846 8082A	8/15/12	8/18/12 17:25	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	*	30-150		S-01			8/18/12 17:25		
Decachlorobiphenyl [2]	*	30-150		S-01			8/18/12 17:25		
Tetrachloro-m-xylene [1]	*	30-150		S-01			8/18/12 17:25		
Tetrachloro-m-xylene [2]	*	30-150		S-01			8/18/12 17:25		

Project Location: Ludlowe

Sample Description:

Work Order: 12H0440

Date Received: 8/14/2012

Field Sample #: Sub 12-3

Sampled: 8/11/2012 00:00

Sample ID: 12H0440-03

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	1.0	mg/Kg	10		SW-846 8082A	8/15/12	8/18/12 17:37	MJC
Aroclor-1221 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/15/12	8/18/12 17:37	MJC
Aroclor-1232 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/15/12	8/18/12 17:37	MJC
Aroclor-1242 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/15/12	8/18/12 17:37	MJC
Aroclor-1248 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/15/12	8/18/12 17:37	MJC
Aroclor-1254 [1]	8.9	1.0	mg/Kg	10		SW-846 8082A	8/15/12	8/18/12 17:37	MJC
Aroclor-1260 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/15/12	8/18/12 17:37	MJC
Aroclor-1262 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/15/12	8/18/12 17:37	MJC
Aroclor-1268 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/15/12	8/18/12 17:37	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		95.2	30-150					8/18/12 17:37	
Decachlorobiphenyl [2]		110	30-150					8/18/12 17:37	
Tetrachloro-m-xylene [1]		85.7	30-150					8/18/12 17:37	
Tetrachloro-m-xylene [2]		91.6	30-150					8/18/12 17:37	

Project Location: Ludlowe

Sample Description:

Work Order: 12H0440

Date Received: 8/14/2012

Field Sample #: Sub 13-1

Sampled: 8/11/2012 00:00

Sample ID: 12H0440-04

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	1.0	mg/Kg	10		SW-846 8082A	8/15/12	8/18/12 17:50	MJC
Aroclor-1221 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/15/12	8/18/12 17:50	MJC
Aroclor-1232 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/15/12	8/18/12 17:50	MJC
Aroclor-1242 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/15/12	8/18/12 17:50	MJC
Aroclor-1248 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/15/12	8/18/12 17:50	MJC
Aroclor-1254 [1]	5.2	1.0	mg/Kg	10		SW-846 8082A	8/15/12	8/18/12 17:50	MJC
Aroclor-1260 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/15/12	8/18/12 17:50	MJC
Aroclor-1262 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/15/12	8/18/12 17:50	MJC
Aroclor-1268 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/15/12	8/18/12 17:50	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		94.8	30-150					8/18/12 17:50	
Decachlorobiphenyl [2]		110	30-150					8/18/12 17:50	
Tetrachloro-m-xylene [1]		87.3	30-150					8/18/12 17:50	
Tetrachloro-m-xylene [2]		93.5	30-150					8/18/12 17:50	

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Project Location: Ludlowe

Sample Description:

Work Order: 12H0440

Date Received: 8/14/2012

Sampled: 8/11/2012 00:00

Field Sample #: Sub 13-2

Sample ID: 12H0440-05

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	0.40	mg/Kg	4		SW-846 8082A	8/15/12	8/18/12 18:02	MJC
Aroclor-1221 [1]	ND	0.40	mg/Kg	4		SW-846 8082A	8/15/12	8/18/12 18:02	MJC
Aroclor-1232 [1]	ND	0.40	mg/Kg	4		SW-846 8082A	8/15/12	8/18/12 18:02	MJC
Aroclor-1242 [1]	ND	0.40	mg/Kg	4		SW-846 8082A	8/15/12	8/18/12 18:02	MJC
Aroclor-1248 [1]	ND	0.40	mg/Kg	4		SW-846 8082A	8/15/12	8/18/12 18:02	MJC
Aroclor-1254 [1]	2.0	0.40	mg/Kg	4		SW-846 8082A	8/15/12	8/18/12 18:02	MJC
Aroclor-1260 [1]	ND	0.40	mg/Kg	4		SW-846 8082A	8/15/12	8/18/12 18:02	MJC
Aroclor-1262 [1]	ND	0.40	mg/Kg	4		SW-846 8082A	8/15/12	8/18/12 18:02	MJC
Aroclor-1268 [1]	ND	0.40	mg/Kg	4		SW-846 8082A	8/15/12	8/18/12 18:02	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	92.0	30-150							8/18/12 18:02
Decachlorobiphenyl [2]	108	30-150							8/18/12 18:02
Tetrachloro-m-xylene [1]	87.4	30-150							8/18/12 18:02
Tetrachloro-m-xylene [2]	90.8	30-150							8/18/12 18:02

Project Location: Ludlowe

Sample Description:

Work Order: 12H0440

Date Received: 8/14/2012

Field Sample #: Sub 13-3

Sampled: 8/11/2012 00:00

Sample ID: 12H0440-06

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	0.91	mg/Kg	10		SW-846 8082A	8/15/12	8/18/12 18:14	MJC
Aroclor-1221 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	8/15/12	8/18/12 18:14	MJC
Aroclor-1232 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	8/15/12	8/18/12 18:14	MJC
Aroclor-1242 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	8/15/12	8/18/12 18:14	MJC
Aroclor-1248 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	8/15/12	8/18/12 18:14	MJC
Aroclor-1254 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	8/15/12	8/18/12 18:14	MJC
Aroclor-1260 [1]	6.6	0.91	mg/Kg	10		SW-846 8082A	8/15/12	8/18/12 18:14	MJC
Aroclor-1262 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	8/15/12	8/18/12 18:14	MJC
Aroclor-1268 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	8/15/12	8/18/12 18:14	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	97.3	30-150							8/18/12 18:14
Decachlorobiphenyl [2]	113	30-150							8/18/12 18:14
Tetrachloro-m-xylene [1]	87.2	30-150							8/18/12 18:14
Tetrachloro-m-xylene [2]	93.7	30-150							8/18/12 18:14

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Project Location: Ludlowe

Sample Description:

Work Order: 12H0440

Date Received: 8/14/2012

Field Sample #: Sub 14-1

Sampled: 8/11/2012 00:00

Sample ID: 12H0440-07

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	0.091	mg/Kg	1		SW-846 8082A	8/15/12	8/18/12 18:27	MJC
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	8/15/12	8/18/12 18:27	MJC
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	8/15/12	8/18/12 18:27	MJC
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	8/15/12	8/18/12 18:27	MJC
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	8/15/12	8/18/12 18:27	MJC
Aroclor-1254 [1]	0.15	0.091	mg/Kg	1		SW-846 8082A	8/15/12	8/18/12 18:27	MJC
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	8/15/12	8/18/12 18:27	MJC
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	8/15/12	8/18/12 18:27	MJC
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	8/15/12	8/18/12 18:27	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	93.2	30-150							8/18/12 18:27
Decachlorobiphenyl [2]	110	30-150							8/18/12 18:27
Tetrachloro-m-xylene [1]	88.3	30-150							8/18/12 18:27
Tetrachloro-m-xylene [2]	87.8	30-150							8/18/12 18:27

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Project Location: Ludlowe

Sample Description:

Work Order: 12H0440

Date Received: 8/14/2012

Sampled: 8/11/2012 00:00

Field Sample #: Sub 14-2

Sample ID: 12H0440-08

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	0.095	mg/Kg	1		SW-846 8082A	8/15/12	8/17/12 20:31	MJC
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/15/12	8/17/12 20:31	MJC
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/15/12	8/17/12 20:31	MJC
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/15/12	8/17/12 20:31	MJC
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/15/12	8/17/12 20:31	MJC
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/15/12	8/17/12 20:31	MJC
Aroclor-1260 [1]	1.1	0.095	mg/Kg	1		SW-846 8082A	8/15/12	8/17/12 20:31	MJC
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/15/12	8/17/12 20:31	MJC
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/15/12	8/17/12 20:31	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	94.3	30-150							8/17/12 20:31
Decachlorobiphenyl [2]	109	30-150							8/17/12 20:31
Tetrachloro-m-xylene [1]	87.7	30-150							8/17/12 20:31
Tetrachloro-m-xylene [2]	87.2	30-150							8/17/12 20:31

Project Location: Ludlowe

Sample Description:

Work Order: 12H0440

Date Received: 8/14/2012

Field Sample #: Sub 14-3

Sampled: 8/11/2012 00:00

Sample ID: 12H0440-09

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	0.10	mg/Kg	1		SW-846 8082A	8/15/12	8/17/12 20:43	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/15/12	8/17/12 20:43	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/15/12	8/17/12 20:43	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/15/12	8/17/12 20:43	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/15/12	8/17/12 20:43	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/15/12	8/17/12 20:43	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/15/12	8/17/12 20:43	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/15/12	8/17/12 20:43	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/15/12	8/17/12 20:43	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		92.6	30-150					8/17/12 20:43	
Decachlorobiphenyl [2]		108	30-150					8/17/12 20:43	
Tetrachloro-m-xylene [1]		84.4	30-150					8/17/12 20:43	
Tetrachloro-m-xylene [2]		83.8	30-150					8/17/12 20:43	

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Project Location: Ludlowe

Sample Description:

Work Order: 12H0440

Date Received: 8/14/2012

Sampled: 8/11/2012 00:00

Field Sample #: Sub 15-1

Sample ID: 12H0440-10

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	0.20	mg/Kg	2		SW-846 8082A	8/15/12	8/18/12 18:39	MJC
Aroclor-1221 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	8/15/12	8/18/12 18:39	MJC
Aroclor-1232 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	8/15/12	8/18/12 18:39	MJC
Aroclor-1242 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	8/15/12	8/18/12 18:39	MJC
Aroclor-1248 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	8/15/12	8/18/12 18:39	MJC
Aroclor-1254 [1]	1.5	0.20	mg/Kg	2		SW-846 8082A	8/15/12	8/18/12 18:39	MJC
Aroclor-1260 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	8/15/12	8/18/12 18:39	MJC
Aroclor-1262 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	8/15/12	8/18/12 18:39	MJC
Aroclor-1268 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	8/15/12	8/18/12 18:39	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	95.0	30-150							8/18/12 18:39
Decachlorobiphenyl [2]	111	30-150							8/18/12 18:39
Tetrachloro-m-xylene [1]	90.0	30-150							8/18/12 18:39
Tetrachloro-m-xylene [2]	91.2	30-150							8/18/12 18:39

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Project Location: Ludlowe

Sample Description:

Work Order: 12H0440

Date Received: 8/14/2012

Sampled: 8/11/2012 00:00

Field Sample #: Sub 15-2

Sample ID: 12H0440-11

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	8/15/12	8/18/12 18:51	MJC
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/15/12	8/18/12 18:51	MJC
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/15/12	8/18/12 18:51	MJC
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/15/12	8/18/12 18:51	MJC
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/15/12	8/18/12 18:51	MJC
Aroclor-1254 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/15/12	8/18/12 18:51	MJC
Aroclor-1260 [1]	2.8	0.50	mg/Kg	5		SW-846 8082A	8/15/12	8/18/12 18:51	MJC
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/15/12	8/18/12 18:51	MJC
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/15/12	8/18/12 18:51	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	91.2		30-150					8/18/12 18:51	
Decachlorobiphenyl [2]	105		30-150					8/18/12 18:51	
Tetrachloro-m-xylene [1]	85.1		30-150					8/18/12 18:51	
Tetrachloro-m-xylene [2]	89.0		30-150					8/18/12 18:51	

Project Location: Ludlowe

Sample Description:

Work Order: 12H0440

Date Received: 8/14/2012

Field Sample #: Sub 15-3

Sampled: 8/11/2012 00:00

Sample ID: 12H0440-12

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	0.095	mg/Kg	1		SW-846 8082A	8/15/12	8/17/12 21:45	MJC
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/15/12	8/17/12 21:45	MJC
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/15/12	8/17/12 21:45	MJC
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/15/12	8/17/12 21:45	MJC
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/15/12	8/17/12 21:45	MJC
Aroclor-1254 [1]	0.31	0.095	mg/Kg	1		SW-846 8082A	8/15/12	8/17/12 21:45	MJC
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/15/12	8/17/12 21:45	MJC
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/15/12	8/17/12 21:45	MJC
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/15/12	8/17/12 21:45	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		92.1	30-150					8/17/12 21:45	
Decachlorobiphenyl [2]		107	30-150					8/17/12 21:45	
Tetrachloro-m-xylene [1]		87.1	30-150					8/17/12 21:45	
Tetrachloro-m-xylene [2]		86.3	30-150					8/17/12 21:45	

Project Location: Ludlowe

Sample Description:

Work Order: 12H0440

Date Received: 8/14/2012

Field Sample #: Sub 16-1

Sampled: 8/11/2012 00:00

Sample ID: 12H0440-13

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	9.1	mg/Kg	100		SW-846 8082A	8/15/12	8/18/12 19:04	MJC
Aroclor-1221 [1]	ND	9.1	mg/Kg	100		SW-846 8082A	8/15/12	8/18/12 19:04	MJC
Aroclor-1232 [1]	ND	9.1	mg/Kg	100		SW-846 8082A	8/15/12	8/18/12 19:04	MJC
Aroclor-1242 [1]	ND	9.1	mg/Kg	100		SW-846 8082A	8/15/12	8/18/12 19:04	MJC
Aroclor-1248 [1]	ND	9.1	mg/Kg	100		SW-846 8082A	8/15/12	8/18/12 19:04	MJC
Aroclor-1254 [1]	52	9.1	mg/Kg	100		SW-846 8082A	8/15/12	8/18/12 19:04	MJC
Aroclor-1260 [1]	ND	9.1	mg/Kg	100		SW-846 8082A	8/15/12	8/18/12 19:04	MJC
Aroclor-1262 [1]	ND	9.1	mg/Kg	100		SW-846 8082A	8/15/12	8/18/12 19:04	MJC
Aroclor-1268 [1]	ND	9.1	mg/Kg	100		SW-846 8082A	8/15/12	8/18/12 19:04	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			8/18/12 19:04	
Decachlorobiphenyl [2]		*	30-150		S-01			8/18/12 19:04	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/18/12 19:04	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/18/12 19:04	

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

Project Location: Ludlowe

Sample Description:

Work Order: 12H0440

Date Received: 8/14/2012

Sampled: 8/11/2012 00:00

Field Sample #: Sub 16-2

Sample ID: 12H0440-14

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	10	mg/Kg	100		SW-846 8082A	8/15/12	8/18/12 19:16	MJC
Aroclor-1221 [1]	ND	10	mg/Kg	100		SW-846 8082A	8/15/12	8/18/12 19:16	MJC
Aroclor-1232 [1]	ND	10	mg/Kg	100		SW-846 8082A	8/15/12	8/18/12 19:16	MJC
Aroclor-1242 [1]	ND	10	mg/Kg	100		SW-846 8082A	8/15/12	8/18/12 19:16	MJC
Aroclor-1248 [1]	ND	10	mg/Kg	100		SW-846 8082A	8/15/12	8/18/12 19:16	MJC
Aroclor-1254 [1]	48	10	mg/Kg	100		SW-846 8082A	8/15/12	8/18/12 19:16	MJC
Aroclor-1260 [1]	ND	10	mg/Kg	100		SW-846 8082A	8/15/12	8/18/12 19:16	MJC
Aroclor-1262 [1]	ND	10	mg/Kg	100		SW-846 8082A	8/15/12	8/18/12 19:16	MJC
Aroclor-1268 [1]	ND	10	mg/Kg	100		SW-846 8082A	8/15/12	8/18/12 19:16	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	*	30-150		S-01					8/18/12 19:16
Decachlorobiphenyl [2]	*	30-150		S-01					8/18/12 19:16
Tetrachloro-m-xylene [1]	*	30-150		S-01					8/18/12 19:16
Tetrachloro-m-xylene [2]	*	30-150		S-01					8/18/12 19:16

Project Location: Ludlowe

Sample Description:

Work Order: 12H0440

Date Received: 8/14/2012

Field Sample #: Sub 16-3

Sampled: 8/11/2012 00:00

Sample ID: 12H0440-15

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	9.5	mg/Kg	100		SW-846 8082A	8/15/12	8/18/12 19:29	MJC
Aroclor-1221 [1]	ND	9.5	mg/Kg	100		SW-846 8082A	8/15/12	8/18/12 19:29	MJC
Aroclor-1232 [1]	ND	9.5	mg/Kg	100		SW-846 8082A	8/15/12	8/18/12 19:29	MJC
Aroclor-1242 [1]	ND	9.5	mg/Kg	100		SW-846 8082A	8/15/12	8/18/12 19:29	MJC
Aroclor-1248 [1]	ND	9.5	mg/Kg	100		SW-846 8082A	8/15/12	8/18/12 19:29	MJC
Aroclor-1254 [1]	66	9.5	mg/Kg	100		SW-846 8082A	8/15/12	8/18/12 19:29	MJC
Aroclor-1260 [1]	ND	9.5	mg/Kg	100		SW-846 8082A	8/15/12	8/18/12 19:29	MJC
Aroclor-1262 [1]	ND	9.5	mg/Kg	100		SW-846 8082A	8/15/12	8/18/12 19:29	MJC
Aroclor-1268 [1]	ND	9.5	mg/Kg	100		SW-846 8082A	8/15/12	8/18/12 19:29	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01				8/18/12 19:29
Decachlorobiphenyl [2]	*		30-150		S-01				8/18/12 19:29
Tetrachloro-m-xylene [1]	*		30-150		S-01				8/18/12 19:29
Tetrachloro-m-xylene [2]	*		30-150		S-01				8/18/12 19:29

Project Location: Ludlowe

Sample Description:

Work Order: 12H0440

Date Received: 8/14/2012

Field Sample #: Sub 17-1

Sampled: 8/11/2012 00:00

Sample ID: 12H0440-16

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	9.1	mg/Kg	100		SW-846 8082A	8/15/12	8/18/12 19:41	MJC
Aroclor-1221 [1]	ND	9.1	mg/Kg	100		SW-846 8082A	8/15/12	8/18/12 19:41	MJC
Aroclor-1232 [1]	ND	9.1	mg/Kg	100		SW-846 8082A	8/15/12	8/18/12 19:41	MJC
Aroclor-1242 [1]	ND	9.1	mg/Kg	100		SW-846 8082A	8/15/12	8/18/12 19:41	MJC
Aroclor-1248 [1]	ND	9.1	mg/Kg	100		SW-846 8082A	8/15/12	8/18/12 19:41	MJC
Aroclor-1254 [1]	62	9.1	mg/Kg	100		SW-846 8082A	8/15/12	8/18/12 19:41	MJC
Aroclor-1260 [1]	ND	9.1	mg/Kg	100		SW-846 8082A	8/15/12	8/18/12 19:41	MJC
Aroclor-1262 [1]	ND	9.1	mg/Kg	100		SW-846 8082A	8/15/12	8/18/12 19:41	MJC
Aroclor-1268 [1]	ND	9.1	mg/Kg	100		SW-846 8082A	8/15/12	8/18/12 19:41	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			8/18/12 19:41	
Decachlorobiphenyl [2]		*	30-150		S-01			8/18/12 19:41	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/18/12 19:41	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/18/12 19:41	

Project Location: Ludlowe

Sample Description:

Work Order: 12H0440

Date Received: 8/14/2012

Field Sample #: Sub 17-2

Sampled: 8/11/2012 00:00

Sample ID: 12H0440-17

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	4.5	mg/Kg	50		SW-846 8082A	8/15/12	8/18/12 19:53	MJC
Aroclor-1221 [1]	ND	4.5	mg/Kg	50		SW-846 8082A	8/15/12	8/18/12 19:53	MJC
Aroclor-1232 [1]	ND	4.5	mg/Kg	50		SW-846 8082A	8/15/12	8/18/12 19:53	MJC
Aroclor-1242 [1]	ND	4.5	mg/Kg	50		SW-846 8082A	8/15/12	8/18/12 19:53	MJC
Aroclor-1248 [1]	ND	4.5	mg/Kg	50		SW-846 8082A	8/15/12	8/18/12 19:53	MJC
Aroclor-1254 [1]	31	4.5	mg/Kg	50		SW-846 8082A	8/15/12	8/18/12 19:53	MJC
Aroclor-1260 [1]	ND	4.5	mg/Kg	50		SW-846 8082A	8/15/12	8/18/12 19:53	MJC
Aroclor-1262 [1]	ND	4.5	mg/Kg	50		SW-846 8082A	8/15/12	8/18/12 19:53	MJC
Aroclor-1268 [1]	ND	4.5	mg/Kg	50		SW-846 8082A	8/15/12	8/18/12 19:53	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01				8/18/12 19:53
Decachlorobiphenyl [2]	*		30-150		S-01				8/18/12 19:53
Tetrachloro-m-xylene [1]	*		30-150		S-01				8/18/12 19:53
Tetrachloro-m-xylene [2]	*		30-150		S-01				8/18/12 19:53

Project Location: Ludlowe

Sample Description:

Work Order: 12H0440

Date Received: 8/14/2012

Field Sample #: Sub 17-3

Sampled: 8/11/2012 00:00

Sample ID: 12H0440-18

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	5.0	mg/Kg	50		SW-846 8082A	8/15/12	8/18/12 20:06	MJC
Aroclor-1221 [1]	ND	5.0	mg/Kg	50		SW-846 8082A	8/15/12	8/18/12 20:06	MJC
Aroclor-1232 [1]	ND	5.0	mg/Kg	50		SW-846 8082A	8/15/12	8/18/12 20:06	MJC
Aroclor-1242 [1]	ND	5.0	mg/Kg	50		SW-846 8082A	8/15/12	8/18/12 20:06	MJC
Aroclor-1248 [1]	ND	5.0	mg/Kg	50		SW-846 8082A	8/15/12	8/18/12 20:06	MJC
Aroclor-1254 [1]	48	5.0	mg/Kg	50		SW-846 8082A	8/15/12	8/18/12 20:06	MJC
Aroclor-1260 [1]	ND	5.0	mg/Kg	50		SW-846 8082A	8/15/12	8/18/12 20:06	MJC
Aroclor-1262 [1]	ND	5.0	mg/Kg	50		SW-846 8082A	8/15/12	8/18/12 20:06	MJC
Aroclor-1268 [1]	ND	5.0	mg/Kg	50		SW-846 8082A	8/15/12	8/18/12 20:06	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	*	30-150	S-01						8/18/12 20:06
Decachlorobiphenyl [2]	*	30-150	S-01						8/18/12 20:06
Tetrachloro-m-xylene [1]	*	30-150	S-01						8/18/12 20:06
Tetrachloro-m-xylene [2]	*	30-150	S-01						8/18/12 20:06

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
12H0440-01 [Sub 12-1]	B057073	2.00	10.0	08/15/12
12H0440-02 [Sub 12-2]	B057073	2.10	10.0	08/15/12
12H0440-03 [Sub 12-3]	B057073	2.00	10.0	08/15/12
12H0440-04 [Sub 13-1]	B057073	2.00	10.0	08/15/12
12H0440-05 [Sub 13-2]	B057073	2.00	10.0	08/15/12
12H0440-06 [Sub 13-3]	B057073	2.20	10.0	08/15/12
12H0440-07 [Sub 14-1]	B057073	2.20	10.0	08/15/12
12H0440-08 [Sub 14-2]	B057073	2.10	10.0	08/15/12
12H0440-09 [Sub 14-3]	B057073	2.00	10.0	08/15/12
12H0440-10 [Sub 15-1]	B057073	2.00	10.0	08/15/12
12H0440-11 [Sub 15-2]	B057073	2.00	10.0	08/15/12
12H0440-12 [Sub 15-3]	B057073	2.10	10.0	08/15/12
12H0440-13 [Sub 16-1]	B057073	2.20	10.0	08/15/12
12H0440-14 [Sub 16-2]	B057073	2.00	10.0	08/15/12
12H0440-15 [Sub 16-3]	B057073	2.10	10.0	08/15/12
12H0440-16 [Sub 17-1]	B057073	2.20	10.0	08/15/12
12H0440-17 [Sub 17-2]	B057073	2.20	10.0	08/15/12
12H0440-18 [Sub 17-3]	B057073	2.00	10.0	08/15/12

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 B057073 - SW-846 3540C

Blank (B057073-BLK1)					Prepared: 08/15/12 Analyzed: 08/17/12					
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	0.968		mg/Kg	1.00		96.8		30-150		
Surrogate: Decachlorobiphenyl [2C]	1.12		mg/Kg	1.00		112		30-150		
Surrogate: Tetrachloro-m-xylene	0.913		mg/Kg	1.00		91.3		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.905		mg/Kg	1.00		90.5		30-150		

LCS (B057073-BS1)					Prepared: 08/15/12 Analyzed: 08/17/12					
Aroclor-1016	0.24	0.10	mg/Kg	0.250		94.3		40-140		
Aroclor-1016 [2C]	0.25	0.10	mg/Kg	0.250		101		40-140		
Aroclor-1260	0.24	0.10	mg/Kg	0.250		97.9		40-140		
Aroclor-1260 [2C]	0.24	0.10	mg/Kg	0.250		96.2		40-140		
Surrogate: Decachlorobiphenyl	0.965		mg/Kg	1.00		96.5		30-150		
Surrogate: Decachlorobiphenyl [2C]	1.11		mg/Kg	1.00		111		30-150		
Surrogate: Tetrachloro-m-xylene	0.897		mg/Kg	1.00		89.7		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.887		mg/Kg	1.00		88.7		30-150		

LCS Dup (B057073-BSD1)					Prepared: 08/15/12 Analyzed: 08/17/12					
Aroclor-1016	0.23	0.10	mg/Kg	0.250		90.3		40-140	4.33	30
Aroclor-1016 [2C]	0.24	0.10	mg/Kg	0.250		97.8		40-140	3.29	30
Aroclor-1260	0.24	0.10	mg/Kg	0.250		94.8		40-140	3.27	30
Aroclor-1260 [2C]	0.24	0.10	mg/Kg	0.250		94.5		40-140	1.80	30
Surrogate: Decachlorobiphenyl	0.894		mg/Kg	1.00		89.4		30-150		
Surrogate: Decachlorobiphenyl [2C]	1.03		mg/Kg	1.00		103		30-150		
Surrogate: Tetrachloro-m-xylene	0.850		mg/Kg	1.00		85.0		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.843		mg/Kg	1.00		84.3		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 B057073 - SW-846 3540C

Matrix Spike (B057073-MS1)		Source: 12H0440-12		Prepared: 08/15/12 Analyzed: 08/17/12					
Aroclor-1016	0.25	0.095	mg/Kg	0.238	0.0	105	40-140		
Aroclor-1016 [2C]	0.27	0.095	mg/Kg	0.238	0.0	114	40-140		
Aroclor-1260	0.30	0.095	mg/Kg	0.238	0.0	127	40-140		
Aroclor-1260 [2C]	0.30	0.095	mg/Kg	0.238	0.0	127	40-140		
Surrogate: Decachlorobiphenyl	0.924		mg/Kg	0.952		97.0	30-150		
Surrogate: Decachlorobiphenyl [2C]	1.07		mg/Kg	0.952		113	30-150		
Surrogate: Tetrachloro-m-xylene	0.857		mg/Kg	0.952		90.0	30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.848		mg/Kg	0.952		89.0	30-150		
Matrix Spike Dup (B057073-MSD1)		Source: 12H0440-12		Prepared: 08/15/12 Analyzed: 08/17/12					
Aroclor-1016	0.25	0.095	mg/Kg	0.238	0.0	103	40-140	2.03	50
Aroclor-1016 [2C]	0.27	0.095	mg/Kg	0.238	0.0	113	40-140	0.972	50
Aroclor-1260	0.29	0.095	mg/Kg	0.238	0.0	123	40-140	3.87	50
Aroclor-1260 [2C]	0.29	0.095	mg/Kg	0.238	0.0	123	40-140	3.59	50
Surrogate: Decachlorobiphenyl	0.894		mg/Kg	0.952		93.8	30-150		
Surrogate: Decachlorobiphenyl [2C]	1.04		mg/Kg	0.952		109	30-150		
Surrogate: Tetrachloro-m-xylene	0.847		mg/Kg	0.952		89.0	30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.840		mg/Kg	0.952		88.2	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-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.

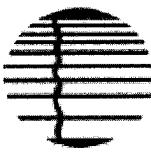
CERTIFICATIONS

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



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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

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



Sample Receipt Checklist

CLIENT NAME: AMC Environ

RECEIVED BY: KKM

DATE: 8-14-12

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

3.1 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

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:

40 mL vials: # HCl _____ # Methanol _____

Time and Date Frozen:

Doc# 277

Bisulfate _____ # DI Water _____

Rev. 3 May 2012

Thiosulfate _____ Unpreserved _____

January 7, 2013

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

Project Location: Ludlow H.S. Interior

Client Job Number:

Project Number: [none]

Laboratory Work Order Number: 12L0858

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

Sincerely,



Lisa A. Worthington
Project Manager

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

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12L0858

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

PROJECT LOCATION: Ludlow H.S. Interior

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
12-27 01-1	12L0858-01	Concrete	CMU 2nd course 3in from morter line 220	SW-846 8082A	
12-27 01-2	12L0858-02	Concrete	CMU 2nd course 3in from morter line 215	SW-846 8082A	
12-27 01-3	12L0858-03	Concrete	CMU 2nd course 3in from morter line 129	SW-846 8082A	
12-27 02-1	12L0858-04	Concrete	CMU 2nd course 3in from morter line 230	SW-846 8082A	
12-27 02-2	12L0858-05	Concrete	CMU 2nd course 3in from morter line 320	SW-846 8082A	
12-27 02-3	12L0858-06	Concrete	CMU 2nd course 3in from morter line 328	SW-846 8082A	
12-27 03-1	12L0858-07	Concrete	CMU 2nd course 3in from morter line 345	SW-846 8082A	
12-27 03-2	12L0858-08	Concrete	CMU 2nd course 3in from morter line 347	SW-846 8082A	
12-27 03-3	12L0858-09	Concrete	CMU 2nd course 3in from morter line 378	SW-846 8082A	
12-27 03-4	12L0858-10	Concrete	CMU 2nd course 3in from morter line stair 10	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]

12L0858-01[12-27 01-1], 12L0858-02[12-27 01-2], 12L0858-04[12-27 02-1], 12L0858-06[12-27 02-3], 12L0858-09[12-27 03-3], 12L0858-10[12-27 03-4]

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: Ludlow H.S. Interior

Sample Description: CMU 2nd course 3in from morter line

Work Order: 12L0858

Date Received: 12/28/2012

Sampled: 12/27/2012 00:00

Field Sample #: 12-27 01-1

Sample ID: 12L0858-01

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	0.57	mg/Kg	5		SW-846 8082A	1/2/13	1/4/13 10:35	JMB
Aroclor-1221 [1]	ND	0.57	mg/Kg	5		SW-846 8082A	1/2/13	1/4/13 10:35	JMB
Aroclor-1232 [1]	ND	0.57	mg/Kg	5		SW-846 8082A	1/2/13	1/4/13 10:35	JMB
Aroclor-1242 [1]	ND	0.57	mg/Kg	5		SW-846 8082A	1/2/13	1/4/13 10:35	JMB
Aroclor-1248 [1]	ND	0.57	mg/Kg	5		SW-846 8082A	1/2/13	1/4/13 10:35	JMB
Aroclor-1254 [1]	3.3	0.57	mg/Kg	5	O-03	SW-846 8082A	1/2/13	1/4/13 10:35	JMB
Aroclor-1260 [1]	ND	0.57	mg/Kg	5		SW-846 8082A	1/2/13	1/4/13 10:35	JMB
Aroclor-1262 [1]	ND	0.57	mg/Kg	5		SW-846 8082A	1/2/13	1/4/13 10:35	JMB
Aroclor-1268 [1]	ND	0.57	mg/Kg	5		SW-846 8082A	1/2/13	1/4/13 10:35	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	90.0	30-150						1/4/13 10:35	
Decachlorobiphenyl [2]	87.6	30-150						1/4/13 10:35	
Tetrachloro-m-xylene [1]	95.2	30-150						1/4/13 10:35	
Tetrachloro-m-xylene [2]	95.4	30-150						1/4/13 10:35	

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Project Location: Ludlow H.S. Interior

Sample Description: CMU 2nd course 3in from morter line

Work Order: 12L0858

Date Received: 12/28/2012

Sampled: 12/27/2012 00:00

Field Sample #: 12-27 01-2

Sample ID: 12L0858-02

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	0.56	mg/Kg	5		SW-846 8082A	1/2/13	1/4/13 10:48	JMB
Aroclor-1221 [1]	ND	0.56	mg/Kg	5		SW-846 8082A	1/2/13	1/4/13 10:48	JMB
Aroclor-1232 [1]	ND	0.56	mg/Kg	5		SW-846 8082A	1/2/13	1/4/13 10:48	JMB
Aroclor-1242 [1]	ND	0.56	mg/Kg	5		SW-846 8082A	1/2/13	1/4/13 10:48	JMB
Aroclor-1248 [1]	ND	0.56	mg/Kg	5		SW-846 8082A	1/2/13	1/4/13 10:48	JMB
Aroclor-1254 [1]	2.5	0.56	mg/Kg	5	O-03	SW-846 8082A	1/2/13	1/4/13 10:48	JMB
Aroclor-1260 [1]	ND	0.56	mg/Kg	5		SW-846 8082A	1/2/13	1/4/13 10:48	JMB
Aroclor-1262 [1]	ND	0.56	mg/Kg	5		SW-846 8082A	1/2/13	1/4/13 10:48	JMB
Aroclor-1268 [1]	ND	0.56	mg/Kg	5		SW-846 8082A	1/2/13	1/4/13 10:48	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	88.0	30-150						1/4/13 10:48	
Decachlorobiphenyl [2]	85.1	30-150						1/4/13 10:48	
Tetrachloro-m-xylene [1]	99.9	30-150						1/4/13 10:48	
Tetrachloro-m-xylene [2]	99.2	30-150						1/4/13 10:48	

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Project Location: Ludlow H.S. Interior

Sample Description: CMU 2nd course 3in from morter line

Work Order: 12L0858

Date Received: 12/28/2012

Sampled: 12/27/2012 00:00

Field Sample #: 12-27 01-3

Sample ID: 12L0858-03

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	0.52	mg/Kg	5		SW-846 8082A	1/2/13	1/4/13 11:01	JMB
Aroclor-1221 [1]	ND	0.52	mg/Kg	5		SW-846 8082A	1/2/13	1/4/13 11:01	JMB
Aroclor-1232 [1]	ND	0.52	mg/Kg	5		SW-846 8082A	1/2/13	1/4/13 11:01	JMB
Aroclor-1242 [1]	ND	0.52	mg/Kg	5		SW-846 8082A	1/2/13	1/4/13 11:01	JMB
Aroclor-1248 [2]	2.7	0.52	mg/Kg	5		SW-846 8082A	1/2/13	1/4/13 11:01	JMB
Aroclor-1254 [2]	0.98	0.52	mg/Kg	5		SW-846 8082A	1/2/13	1/4/13 11:01	JMB
Aroclor-1260 [1]	ND	0.52	mg/Kg	5		SW-846 8082A	1/2/13	1/4/13 11:01	JMB
Aroclor-1262 [1]	ND	0.52	mg/Kg	5		SW-846 8082A	1/2/13	1/4/13 11:01	JMB
Aroclor-1268 [1]	ND	0.52	mg/Kg	5		SW-846 8082A	1/2/13	1/4/13 11:01	JMB
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	93.6		30-150					1/4/13 11:01	
Decachlorobiphenyl [2]	91.3		30-150					1/4/13 11:01	
Tetrachloro-m-xylene [1]	103		30-150					1/4/13 11:01	
Tetrachloro-m-xylene [2]	101		30-150					1/4/13 11:01	

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Project Location: Ludlow H.S. Interior

Sample Description: CMU 2nd course 3in from morter line

Work Order: 12L0858

Date Received: 12/28/2012

Sampled: 12/27/2012 00:00

Field Sample #: 12-27 02-1

Sample ID: 12L0858-04

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	0.48	mg/Kg	5		SW-846 8082A	1/2/13	1/4/13 11:14	JMB
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	1/2/13	1/4/13 11:14	JMB
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	1/2/13	1/4/13 11:14	JMB
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	1/2/13	1/4/13 11:14	JMB
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	1/2/13	1/4/13 11:14	JMB
Aroclor-1254 [1]	3.3	0.48	mg/Kg	5	O-03	SW-846 8082A	1/2/13	1/4/13 11:14	JMB
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	1/2/13	1/4/13 11:14	JMB
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	1/2/13	1/4/13 11:14	JMB
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	1/2/13	1/4/13 11:14	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	87.0	30-150						1/4/13 11:14	
Decachlorobiphenyl [2]	81.6	30-150						1/4/13 11:14	
Tetrachloro-m-xylene [1]	101	30-150						1/4/13 11:14	
Tetrachloro-m-xylene [2]	101	30-150						1/4/13 11:14	

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Project Location: Ludlow H.S. Interior

Sample Description: CMU 2nd course 3in from morter line

Work Order: 12L0858

Date Received: 12/28/2012

Sampled: 12/27/2012 00:00

Field Sample #: 12-27 02-2

Sample ID: 12L0858-05

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	0.47	mg/Kg	5		SW-846 8082A	1/2/13	1/4/13 11:27	JMB
Aroclor-1221 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	1/2/13	1/4/13 11:27	JMB
Aroclor-1232 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	1/2/13	1/4/13 11:27	JMB
Aroclor-1242 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	1/2/13	1/4/13 11:27	JMB
Aroclor-1248 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	1/2/13	1/4/13 11:27	JMB
Aroclor-1254 [1]	1.8	0.47	mg/Kg	5		SW-846 8082A	1/2/13	1/4/13 11:27	JMB
Aroclor-1260 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	1/2/13	1/4/13 11:27	JMB
Aroclor-1262 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	1/2/13	1/4/13 11:27	JMB
Aroclor-1268 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	1/2/13	1/4/13 11:27	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	98.3	30-150							1/4/13 11:27
Decachlorobiphenyl [2]	90.9	30-150							1/4/13 11:27
Tetrachloro-m-xylene [1]	89.1	30-150							1/4/13 11:27
Tetrachloro-m-xylene [2]	88.1	30-150							1/4/13 11:27

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Project Location: Ludlow H.S. Interior

Sample Description: CMU 2nd course 3in from morter line

Work Order: 12L0858

Date Received: 12/28/2012

Sampled: 12/27/2012 00:00

Field Sample #: 12-27 02-3

Sample ID: 12L0858-06

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	0.19	mg/Kg	2		SW-846 8082A	1/2/13	1/4/13 11:40	JMB
Aroclor-1221 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	1/2/13	1/4/13 11:40	JMB
Aroclor-1232 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	1/2/13	1/4/13 11:40	JMB
Aroclor-1242 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	1/2/13	1/4/13 11:40	JMB
Aroclor-1248 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	1/2/13	1/4/13 11:40	JMB
Aroclor-1254 [1]	1.3	0.19	mg/Kg	2	O-03	SW-846 8082A	1/2/13	1/4/13 11:40	JMB
Aroclor-1260 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	1/2/13	1/4/13 11:40	JMB
Aroclor-1262 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	1/2/13	1/4/13 11:40	JMB
Aroclor-1268 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	1/2/13	1/4/13 11:40	JMB
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	100		30-150					1/4/13 11:40	
Decachlorobiphenyl [2]	93.1		30-150					1/4/13 11:40	
Tetrachloro-m-xylene [1]	111		30-150					1/4/13 11:40	
Tetrachloro-m-xylene [2]	109		30-150					1/4/13 11:40	

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Project Location: Ludlow H.S. Interior

Sample Description: CMU 2nd course 3in from morter line

Work Order: 12L0858

Date Received: 12/28/2012

Sampled: 12/27/2012 00:00

Field Sample #: 12-27 03-1

Sample ID: 12L0858-07

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	0.094	mg/Kg	1		SW-846 8082A	1/2/13	1/3/13 18:40	JMB
Aroclor-1221 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/2/13	1/3/13 18:40	JMB
Aroclor-1232 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/2/13	1/3/13 18:40	JMB
Aroclor-1242 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/2/13	1/3/13 18:40	JMB
Aroclor-1248 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/2/13	1/3/13 18:40	JMB
Aroclor-1254 [2]	0.74	0.094	mg/Kg	1		SW-846 8082A	1/2/13	1/3/13 18:40	JMB
Aroclor-1260 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/2/13	1/3/13 18:40	JMB
Aroclor-1262 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/2/13	1/3/13 18:40	JMB
Aroclor-1268 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/2/13	1/3/13 18:40	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	81.6	30-150							1/3/13 18:40
Decachlorobiphenyl [2]	80.7	30-150							1/3/13 18:40
Tetrachloro-m-xylene [1]	94.8	30-150							1/3/13 18:40
Tetrachloro-m-xylene [2]	92.7	30-150							1/3/13 18:40

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Project Location: Ludlow H.S. Interior

Sample Description: CMU 2nd course 3in from morter line

Work Order: 12L0858

Date Received: 12/28/2012

Sampled: 12/27/2012 00:00

Field Sample #: 12-27 03-2

Sample ID: 12L0858-08

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	1/2/13	1/3/13 18:53	JMB
Aroclor-1221 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	1/2/13	1/3/13 18:53	JMB
Aroclor-1232 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	1/2/13	1/3/13 18:53	JMB
Aroclor-1242 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	1/2/13	1/3/13 18:53	JMB
Aroclor-1248 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	1/2/13	1/3/13 18:53	JMB
Aroclor-1254 [2]	0.92	0.090	mg/Kg	1		SW-846 8082A	1/2/13	1/3/13 18:53	JMB
Aroclor-1260 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	1/2/13	1/3/13 18:53	JMB
Aroclor-1262 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	1/2/13	1/3/13 18:53	JMB
Aroclor-1268 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	1/2/13	1/3/13 18:53	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	83.4	30-150						1/3/13 18:53	
Decachlorobiphenyl [2]	82.9	30-150						1/3/13 18:53	
Tetrachloro-m-xylene [1]	96.8	30-150						1/3/13 18:53	
Tetrachloro-m-xylene [2]	94.8	30-150						1/3/13 18:53	

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

Project Location: Ludlow H.S. Interior

Sample Description: CMU 2nd course 3in from morter line

Work Order: 12L0858

Date Received: 12/28/2012

Sampled: 12/27/2012 00:00

Field Sample #: 12-27 03-3

Sample ID: 12L0858-09

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	0.095	mg/Kg	1		SW-846 8082A	1/2/13	1/3/13 19:06	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	1/2/13	1/3/13 19:06	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	1/2/13	1/3/13 19:06	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	1/2/13	1/3/13 19:06	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	1/2/13	1/3/13 19:06	JMB
Aroclor-1254 [1]	0.73	0.095	mg/Kg	1	O-03	SW-846 8082A	1/2/13	1/3/13 19:06	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	1/2/13	1/3/13 19:06	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	1/2/13	1/3/13 19:06	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	1/2/13	1/3/13 19:06	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	76.5	30-150						1/3/13 19:06	
Decachlorobiphenyl [2]	75.4	30-150						1/3/13 19:06	
Tetrachloro-m-xylene [1]	90.4	30-150						1/3/13 19:06	
Tetrachloro-m-xylene [2]	88.8	30-150						1/3/13 19:06	

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

Project Location: Ludlow H.S. Interior

Sample Description: CMU 2nd course 3in from morter line

Work Order: 12L0858

Date Received: 12/28/2012

Sampled: 12/27/2012 00:00

Field Sample #: 12-27 03-4

Sample ID: 12L0858-10

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	0.089	mg/Kg	1		SW-846 8082A	1/2/13	1/3/13 19:19	JMB
Aroclor-1221 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	1/2/13	1/3/13 19:19	JMB
Aroclor-1232 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	1/2/13	1/3/13 19:19	JMB
Aroclor-1242 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	1/2/13	1/3/13 19:19	JMB
Aroclor-1248 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	1/2/13	1/3/13 19:19	JMB
Aroclor-1254 [1]	0.44	0.089	mg/Kg	1	O-03	SW-846 8082A	1/2/13	1/3/13 19:19	JMB
Aroclor-1260 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	1/2/13	1/3/13 19:19	JMB
Aroclor-1262 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	1/2/13	1/3/13 19:19	JMB
Aroclor-1268 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	1/2/13	1/3/13 19:19	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	86.8	30-150						1/3/13 19:19	
Decachlorobiphenyl [2]	86.8	30-150						1/3/13 19:19	
Tetrachloro-m-xylene [1]	103	30-150						1/3/13 19:19	
Tetrachloro-m-xylene [2]	100	30-150						1/3/13 19:19	

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
12L0858-01 [12-27 01-1]	B065550	1.75	10.0	01/02/13
12L0858-02 [12-27 01-2]	B065550	1.79	10.0	01/02/13
12L0858-03 [12-27 01-3]	B065550	1.93	10.0	01/02/13
12L0858-04 [12-27 02-1]	B065550	2.09	10.0	01/02/13
12L0858-05 [12-27 02-2]	B065550	2.15	10.0	01/02/13
12L0858-06 [12-27 02-3]	B065550	2.10	10.0	01/02/13
12L0858-07 [12-27 03-1]	B065550	2.12	10.0	01/02/13
12L0858-08 [12-27 03-2]	B065550	2.21	10.0	01/02/13
12L0858-09 [12-27 03-3]	B065550	2.10	10.0	01/02/13
12L0858-10 [12-27 03-4]	B065550	2.24	10.0	01/02/13

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 B065550 - SW-846 3540C

Blank (B065550-BLK1)					Prepared: 01/02/13 Analyzed: 01/04/13					
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	0.831		mg/Kg	1.00		83.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.818		mg/Kg	1.00		81.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.983		mg/Kg	1.00		98.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.974		mg/Kg	1.00		97.4	30-150			

LCS (B065550-BS1)					Prepared: 01/02/13 Analyzed: 01/04/13					
Aroclor-1016	0.28	0.10	mg/Kg	0.250		113	40-140			
Aroclor-1016 [2C]	0.28	0.10	mg/Kg	0.250		111	40-140			
Aroclor-1260	0.25	0.10	mg/Kg	0.250		99.3	40-140			
Aroclor-1260 [2C]	0.25	0.10	mg/Kg	0.250		99.1	40-140			
Surrogate: Decachlorobiphenyl	0.950		mg/Kg	1.00		95.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.935		mg/Kg	1.00		93.5	30-150			
Surrogate: Tetrachloro-m-xylene	1.03		mg/Kg	1.00		103	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.04		mg/Kg	1.00		104	30-150			

LCS Dup (B065550-BSD1)					Prepared: 01/02/13 Analyzed: 01/04/13					
Aroclor-1016	0.29	0.10	mg/Kg	0.250		114	40-140	1.03	30	
Aroclor-1016 [2C]	0.29	0.10	mg/Kg	0.250		115	40-140	3.50	30	
Aroclor-1260	0.26	0.10	mg/Kg	0.250		103	40-140	3.51	30	
Aroclor-1260 [2C]	0.26	0.10	mg/Kg	0.250		104	40-140	4.65	30	
Surrogate: Decachlorobiphenyl	0.921		mg/Kg	1.00		92.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.907		mg/Kg	1.00		90.7	30-150			
Surrogate: Tetrachloro-m-xylene	1.04		mg/Kg	1.00		104	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.03		mg/Kg	1.00		103	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.

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	12/30/2013
NC	North Carolina Div. of Water Quality	652	12/31/2013
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

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page _____ of _____

Company Name: **ANL Environmental**

Email: info@contestlabs.com

Address: **622 Clinton Ave.** Telephone: **10L0858**

Attention:

Bridgeport, CT

Sampled By: Susan Rose

Project Location: **Ludlowe U.S. Taller**

Project # **10L0858**

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

Client POC **Project#**

Date:

Format:

Collection:

Analysis Requested:

Preservation:

Container Code:

DISINNED Metals

Field Filtered

Lab to Filter

Other

PDF

EXCEL

CGIS

"Enhanced Data Package"

Composite Grab

Beginning Date/Time:

Ending Date/Time:

Grab ID:

Label:

Notes:

Comments:

5/01/10

Please use the following codes to let Cont 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

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
WW = wastewater
SL = sludge

O = other

Retained by (signature) **John Keane**

Date/Time: **1/2/10 10:00 AM**

Other: **None**

RUSH: **1-24 hr**

3-8 hr

4 Day

Require lab approval: **Other:**

Comments:

5/01/10

Please use the following codes to let Cont 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

Is your project MCP or RCP?

- MCP Form Required
- RCP Form Required
- MA State DW Form Required PWSID #

NELAC & AIHA-LAP, LLC

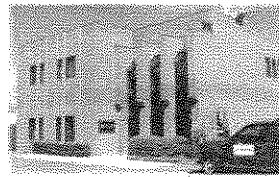
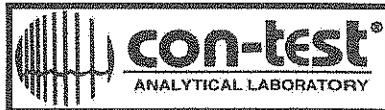
Accredited

WBEDBE 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: KMC Environmental RECEIVED BY: VIA DATE: 10/29

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 0.5

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 _____

Permission to subcontract samples? Yes No

(Walk-in clients only) if not already approved

Client Signature: KM

7) Location where samples are stored: KM

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>KM 10/29</u>
250 mL Amber (8oz amber)		2 oz amber/clear jar	1
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	

February 5, 2013

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

Project Location: Ludlowe
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 13A0731

Enclosed are results of analyses for samples received by the laboratory on January 29, 2013. 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: 13A0731

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

PROJECT LOCATION: Ludlowe

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1-24 01-1	13A0731-01	Product/Solid	Rm 347 CMU 2nd Course	SW-846 8082A	
1-24 02-1	13A0731-02	Product/Solid	Rm 347 CMUM 2nd Course	SW-846 8082A	
1-24 03-1	13A0731-03	Product/Solid	Rm 326 CMU 2nd Course	SW-846 8082A	
1-24 03-2	13A0731-04	Product/Solid	Rm 370 CMU 2nd Course	SW-846 8082A	
1-24 03-3	13A0731-05	Product/Solid	Rm 220 CMU 2nd Course	SW-846 8082A	
1-24 04-1	13A0731-06	Product/Solid	Rm 376 CMUM 2nd Course	SW-846 8082A	
1-24 04-2	13A0731-07	Product/Solid	Rm 320 CMUM 2nd Course	SW-846 8082A	
1-24 04-3	13A0731-08	Product/Solid	Rm 222 CMUM 2nd Course	SW-846 8082A	
1-24 05-1	13A0731-09	Product/Solid	Rm 215 CMU 2nd Course	SW-846 8082A	
1-24 05-2	13A0731-10	Product/Solid	Rm 129 CMU 2nd Course	SW-846 8082A	
1-24 06-1	13A0731-11	Product/Solid	Rm 215 CMUM 2nd Course	SW-846 8082A	
1-24 06-2	13A0731-12	Product/Solid	Rm 129 CMUM 2nd Course	SW-846 8082A	
1-24 07-1	13A0731-13	Brick	Far R o/s 179 Brick at Source	SW-846 8082A	
1-24 07-2	13A0731-14	Brick	o/s 149 Brick at Source	SW-846 8082A	
1-24 07-3	13A0731-15	Brick	o/s Rm 282D Brick at Source	SW-846 8082A	
1-24 08-1	13A0731-16	Product/Solid	Far L o/s 129 Mortar at Source	SW-846 8082A	
1-24 08-2	13A0731-17	Product/Solid	o/s Rm 147 Mortar at Source	SW-846 8082A	
1-24 08-3	13A0731-18	Product/Solid	o/s Rm 282B Mortar at Source	SW-846 8082A	
1-24 09-1	13A0731-19	Brick	o/s Rm 138 Brick 2nd Course	SW-846 8082A	
1-24 09-2	13A0731-20	Brick	o/s Rm 266 Brick 1st Course	SW-846 8082A	
1-24 09-3	13A0731-21	Brick	o/s Rm 139 Brick at Source	SW-846 8082A	
1-24 09-4	13A0731-22	Brick	o/s Rm 113 Brick at Source	SW-846 8082A	
1-24 10-1	13A0731-23	Product/Solid	o/s Rm 138 Mortar 2nd Course	SW-846 8082A	
1-24 10-2	13A0731-24	Product/Solid	o/s Rm 266 Mortar 1st Course	SW-846 8082A	
1-24 10-3	13A0731-25	Product/Solid	o/s Rm 139 Mortar at Source	SW-846 8082A	
1-24 10-4	13A0731-26	Product/Solid	o/s Rm 113 Mortar at Source	SW-846 8082A	
1-24 11-1	13A0731-27	Product/Solid	o/s Stair 10 Brick 2nd Course Full	SW-846 8082A	
1-24 11-2	13A0731-28	Brick	o/s Rm 147 Brick Source	SW-846 8082A	
1-24 12-1	13A0731-29	Product/Solid	o/s Stair 10 B. Mortar 2nd Full Course	SW-846 8082A	
1-24 12-2	13A0731-30	Product/Solid	o/s Rm 147 B. Mortar at Source	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:

Elevated method reporting limit due to insufficient sample volume

Analyte & Samples(s) Qualified:

13A0731-18[1-24 08-3]

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

Aroclor-1260, Aroclor-1260 [2C]

B066888-BS1, B066888-BSD1

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

Aroclor-1260, Aroclor-1260 [2C]

13A0731-01[1-24 01-1], 13A0731-02[1-24 02-1], 13A0731-03[1-24 03-1], 13A0731-04[1-24 03-2], 13A0731-05[1-24 03-3], 13A0731-06[1-24 04-1], 13A0731-07[1-24 04-2], 13A0731-08[1-24 04-3], 13A0731-09[1-24 05-1], 13A0731-10[1-24 05-2], 13A0731-11[1-24 06-1], 13A0731-12[1-24 06-2], 13A0731-13[1-24 07-1], 13A0731-14[1-24 07-2], 13A0731-15[1-24 07-3], 13A0731-16[1-24 08-1], 13A0731-17[1-24 08-2], 13A0731-18[1-24 08-3], 13A0731-19[1-24 09-1], B066888-BLK1

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]

13A0731-14[1-24 07-2], 13A0731-17[1-24 08-2], 13A0731-22[1-24 09-4], 13A0731-24[1-24 10-2], 13A0731-28[1-24 11-2], 13A0731-30[1-24 12-2]

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.



Michael A. Erickson
Laboratory Director

Project Location: Ludlowe

Sample Description: Rm 347 CMU 2nd Course

Work Order: 13A0731

Date Received: 1/29/2013

Field Sample #: 1-24 01-1

Sampled: 1/24/2013 00:00

Sample ID: 13A0731-01

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	0.11	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 17:38	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 17:38	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 17:38	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 17:38	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 17:38	MJC
Aroclor-1254 [2]	1.0	0.11	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 17:38	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg	1	R-05	SW-846 8082A	1/29/13	1/31/13 17:38	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 17:38	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 17:38	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		83.2	30-150					1/31/13 17:38	
Decachlorobiphenyl [2]		85.5	30-150					1/31/13 17:38	
Tetrachloro-m-xylene [1]		72.8	30-150					1/31/13 17:38	
Tetrachloro-m-xylene [2]		77.5	30-150					1/31/13 17:38	

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Project Location: Ludlowe

Sample Description: Rm 347 CMUM 2nd Course

Work Order: 13A0731

Date Received: 1/29/2013

Sampled: 1/24/2013 00:00

Field Sample #: 1-24 02-1

Sample ID: 13A0731-02

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	0.15	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 17:50	MJC
Aroclor-1221 [1]	ND	0.15	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 17:50	MJC
Aroclor-1232 [1]	ND	0.15	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 17:50	MJC
Aroclor-1242 [1]	ND	0.15	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 17:50	MJC
Aroclor-1248 [1]	ND	0.15	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 17:50	MJC
Aroclor-1254 [2]	1.2	0.15	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 17:50	MJC
Aroclor-1260 [1]	ND	0.15	mg/Kg	1	R-05	SW-846 8082A	1/29/13	1/31/13 17:50	MJC
Aroclor-1262 [1]	ND	0.15	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 17:50	MJC
Aroclor-1268 [1]	ND	0.15	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 17:50	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	85.2	30-150						1/31/13 17:50	
Decachlorobiphenyl [2]	87.6	30-150						1/31/13 17:50	
Tetrachloro-m-xylene [1]	79.2	30-150						1/31/13 17:50	
Tetrachloro-m-xylene [2]	84.9	30-150						1/31/13 17:50	

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Project Location: Ludlowe

Sample Description: Rm 326 CMU 2nd Course

Work Order: 13A0731

Date Received: 1/29/2013

Field Sample #: 1-24 03-1

Sampled: 1/24/2013 00:00

Sample ID: 13A0731-03

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	0.99	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 15:35	MJC
Aroclor-1221 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 15:35	MJC
Aroclor-1232 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 15:35	MJC
Aroclor-1242 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 15:35	MJC
Aroclor-1248 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 15:35	MJC
Aroclor-1254 [2]	4.3	0.99	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 15:35	MJC
Aroclor-1260 [1]	ND	0.99	mg/Kg	5	R-05	SW-846 8082A	1/29/13	2/1/13 15:35	MJC
Aroclor-1262 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 15:35	MJC
Aroclor-1268 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 15:35	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	100	30-150							2/1/13 15:35
Decachlorobiphenyl [2]	99.0	30-150							2/1/13 15:35
Tetrachloro-m-xylene [1]	86.7	30-150							2/1/13 15:35
Tetrachloro-m-xylene [2]	86.6	30-150							2/1/13 15:35

Project Location: Ludlowe

Sample Description: Rm 370 CMU 2nd Course

Work Order: 13A0731

Date Received: 1/29/2013

Field Sample #: 1-24 03-2

Sampled: 1/24/2013 00:00

Sample ID: 13A0731-04

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	1.1	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 15:48	MJC
Aroclor-1221 [1]	ND	1.1	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 15:48	MJC
Aroclor-1232 [1]	ND	1.1	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 15:48	MJC
Aroclor-1242 [1]	ND	1.1	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 15:48	MJC
Aroclor-1248 [1]	ND	1.1	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 15:48	MJC
Aroclor-1254 [2]	3.9	1.1	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 15:48	MJC
Aroclor-1260 [1]	ND	1.1	mg/Kg	5	R-05	SW-846 8082A	1/29/13	2/1/13 15:48	MJC
Aroclor-1262 [1]	ND	1.1	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 15:48	MJC
Aroclor-1268 [1]	ND	1.1	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 15:48	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		87.5	30-150					2/1/13 15:48	
Decachlorobiphenyl [2]		92.1	30-150					2/1/13 15:48	
Tetrachloro-m-xylene [1]		85.8	30-150					2/1/13 15:48	
Tetrachloro-m-xylene [2]		85.6	30-150					2/1/13 15:48	

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Project Location: Ludlowe

Sample Description: Rm 220 CMU 2nd Course

Work Order: 13A0731

Date Received: 1/29/2013

Sampled: 1/24/2013 00:00

Field Sample #: 1-24 03-3

Sample ID: 13A0731-05

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	1.2	mg/Kg	10		SW-846 8082A	1/29/13	2/1/13 16:01	MJC
Aroclor-1221 [1]	ND	1.2	mg/Kg	10		SW-846 8082A	1/29/13	2/1/13 16:01	MJC
Aroclor-1232 [1]	ND	1.2	mg/Kg	10		SW-846 8082A	1/29/13	2/1/13 16:01	MJC
Aroclor-1242 [1]	ND	1.2	mg/Kg	10		SW-846 8082A	1/29/13	2/1/13 16:01	MJC
Aroclor-1248 [1]	ND	1.2	mg/Kg	10		SW-846 8082A	1/29/13	2/1/13 16:01	MJC
Aroclor-1254 [1]	7.1	1.2	mg/Kg	10		SW-846 8082A	1/29/13	2/1/13 16:01	MJC
Aroclor-1260 [1]	ND	1.2	mg/Kg	10	R-05	SW-846 8082A	1/29/13	2/1/13 16:01	MJC
Aroclor-1262 [1]	ND	1.2	mg/Kg	10		SW-846 8082A	1/29/13	2/1/13 16:01	MJC
Aroclor-1268 [1]	ND	1.2	mg/Kg	10		SW-846 8082A	1/29/13	2/1/13 16:01	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	94.1	30-150							2/1/13 16:01
Decachlorobiphenyl [2]	101	30-150							2/1/13 16:01
Tetrachloro-m-xylene [1]	89.5	30-150							2/1/13 16:01
Tetrachloro-m-xylene [2]	86.7	30-150							2/1/13 16:01

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Project Location: Ludlowe

Sample Description: Rm 376 CMUM 2nd Course

Work Order: 13A0731

Date Received: 1/29/2013

Sampled: 1/24/2013 00:00

Field Sample #: 1-24 04-1

Sample ID: 13A0731-06

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	0.49	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 16:13	MJC
Aroclor-1221 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 16:13	MJC
Aroclor-1232 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 16:13	MJC
Aroclor-1242 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 16:13	MJC
Aroclor-1248 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 16:13	MJC
Aroclor-1254 [2]	1.5	0.49	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 16:13	MJC
Aroclor-1260 [1]	ND	0.49	mg/Kg	5	R-05	SW-846 8082A	1/29/13	2/1/13 16:13	MJC
Aroclor-1262 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 16:13	MJC
Aroclor-1268 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 16:13	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	91.0	30-150							2/1/13 16:13
Decachlorobiphenyl [2]	93.2	30-150							2/1/13 16:13
Tetrachloro-m-xylene [1]	65.4	30-150							2/1/13 16:13
Tetrachloro-m-xylene [2]	63.3	30-150							2/1/13 16:13

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Project Location: Ludlowe

Sample Description: Rm 320 CMUM 2nd Course

Work Order: 13A0731

Date Received: 1/29/2013

Sampled: 1/24/2013 00:00

Field Sample #: 1-24 04-2

Sample ID: 13A0731-07

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	0.47	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 16:26	MJC
Aroclor-1221 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 16:26	MJC
Aroclor-1232 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 16:26	MJC
Aroclor-1242 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 16:26	MJC
Aroclor-1248 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 16:26	MJC
Aroclor-1254 [2]	2.3	0.47	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 16:26	MJC
Aroclor-1260 [1]	ND	0.47	mg/Kg	5	R-05	SW-846 8082A	1/29/13	2/1/13 16:26	MJC
Aroclor-1262 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 16:26	MJC
Aroclor-1268 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 16:26	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	91.8	30-150							2/1/13 16:26
Decachlorobiphenyl [2]	95.6	30-150							2/1/13 16:26
Tetrachloro-m-xylene [1]	86.9	30-150							2/1/13 16:26
Tetrachloro-m-xylene [2]	85.9	30-150							2/1/13 16:26

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Project Location: Ludlowe

Sample Description: Rm 222 CMUM 2nd Course

Work Order: 13A0731

Date Received: 1/29/2013

Sampled: 1/24/2013 00:00

Field Sample #: 1-24 04-3

Sample ID: 13A0731-08

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	1.3	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 16:39	MJC
Aroclor-1221 [1]	ND	1.3	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 16:39	MJC
Aroclor-1232 [1]	ND	1.3	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 16:39	MJC
Aroclor-1242 [1]	ND	1.3	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 16:39	MJC
Aroclor-1248 [1]	ND	1.3	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 16:39	MJC
Aroclor-1254 [1]	9.0	1.3	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 16:39	MJC
Aroclor-1260 [1]	ND	1.3	mg/Kg	5	R-05	SW-846 8082A	1/29/13	2/1/13 16:39	MJC
Aroclor-1262 [1]	ND	1.3	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 16:39	MJC
Aroclor-1268 [1]	ND	1.3	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 16:39	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	87.9	30-150							2/1/13 16:39
Decachlorobiphenyl [2]	90.0	30-150							2/1/13 16:39
Tetrachloro-m-xylene [1]	83.6	30-150							2/1/13 16:39
Tetrachloro-m-xylene [2]	82.3	30-150							2/1/13 16:39

Project Location: Ludlowe

Sample Description: Rm 215 CMU 2nd Course

Work Order: 13A0731

Date Received: 1/29/2013

Sampled: 1/24/2013 00:00

Field Sample #: 1-24 05-1

Sample ID: 13A0731-09

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	0.79	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 16:52	MJC
Aroclor-1221 [1]	ND	0.79	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 16:52	MJC
Aroclor-1232 [1]	ND	0.79	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 16:52	MJC
Aroclor-1242 [1]	ND	0.79	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 16:52	MJC
Aroclor-1248 [1]	ND	0.79	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 16:52	MJC
Aroclor-1254 [2]	4.2	0.79	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 16:52	MJC
Aroclor-1260 [1]	ND	0.79	mg/Kg	5	R-05	SW-846 8082A	1/29/13	2/1/13 16:52	MJC
Aroclor-1262 [1]	ND	0.79	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 16:52	MJC
Aroclor-1268 [1]	ND	0.79	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 16:52	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		91.8	30-150					2/1/13 16:52	
Decachlorobiphenyl [2]		94.3	30-150					2/1/13 16:52	
Tetrachloro-m-xylene [1]		88.5	30-150					2/1/13 16:52	
Tetrachloro-m-xylene [2]		88.0	30-150					2/1/13 16:52	

Project Location: Ludlowe

Sample Description: Rm 129 CMU 2nd Course

Work Order: 13A0731

Date Received: 1/29/2013

Sampled: 1/24/2013 00:00

Field Sample #: 1-24 05-2

Sample ID: 13A0731-10

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	0.71	mg/Kg	5		SW-846 8082A	1/29/13	2/4/13 12:01	MJC
Aroclor-1221 [1]	ND	0.71	mg/Kg	5		SW-846 8082A	1/29/13	2/4/13 12:01	MJC
Aroclor-1232 [1]	ND	0.71	mg/Kg	5		SW-846 8082A	1/29/13	2/4/13 12:01	MJC
Aroclor-1242 [1]	ND	0.71	mg/Kg	5		SW-846 8082A	1/29/13	2/4/13 12:01	MJC
Aroclor-1248 [1]	3.5	0.71	mg/Kg	5		SW-846 8082A	1/29/13	2/4/13 12:01	MJC
Aroclor-1254 [1]	ND	0.71	mg/Kg	5		SW-846 8082A	1/29/13	2/4/13 12:01	MJC
Aroclor-1260 [1]	ND	0.71	mg/Kg	5	R-05	SW-846 8082A	1/29/13	2/4/13 12:01	MJC
Aroclor-1262 [1]	ND	0.71	mg/Kg	5		SW-846 8082A	1/29/13	2/4/13 12:01	MJC
Aroclor-1268 [1]	ND	0.71	mg/Kg	5		SW-846 8082A	1/29/13	2/4/13 12:01	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		95.3	30-150					2/4/13 12:01	
Decachlorobiphenyl [2]		91.5	30-150					2/4/13 12:01	
Tetrachloro-m-xylene [1]		88.0	30-150					2/4/13 12:01	
Tetrachloro-m-xylene [2]		82.5	30-150					2/4/13 12:01	

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Project Location: Ludlowe

Sample Description: Rm 215 CMUM 2nd Course

Work Order: 13A0731

Date Received: 1/29/2013

Sampled: 1/24/2013 00:00

Field Sample #: 1-24 06-1

Sample ID: 13A0731-11

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	0.47	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 17:04	MJC
Aroclor-1221 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 17:04	MJC
Aroclor-1232 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 17:04	MJC
Aroclor-1242 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 17:04	MJC
Aroclor-1248 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 17:04	MJC
Aroclor-1254 [2]	3.1	0.47	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 17:04	MJC
Aroclor-1260 [1]	ND	0.47	mg/Kg	5	R-05	SW-846 8082A	1/29/13	2/1/13 17:04	MJC
Aroclor-1262 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 17:04	MJC
Aroclor-1268 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	1/29/13	2/1/13 17:04	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	94.3	30-150							2/1/13 17:04
Decachlorobiphenyl [2]	96.9	30-150							2/1/13 17:04
Tetrachloro-m-xylene [1]	88.5	30-150							2/1/13 17:04
Tetrachloro-m-xylene [2]	87.8	30-150							2/1/13 17:04

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Project Location: Ludlowe

Sample Description: Rm 129 CMUM 2nd Course

Work Order: 13A0731

Date Received: 1/29/2013

Sampled: 1/24/2013 00:00

Field Sample #: 1-24 06-2

Sample ID: 13A0731-12

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	0.16	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 20:37	MJC
Aroclor-1221 [1]	ND	0.16	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 20:37	MJC
Aroclor-1232 [1]	ND	0.16	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 20:37	MJC
Aroclor-1242 [1]	ND	0.16	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 20:37	MJC
Aroclor-1248 [1]	ND	0.16	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 20:37	MJC
Aroclor-1254 [1]	ND	0.16	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 20:37	MJC
Aroclor-1260 [1]	ND	0.16	mg/Kg	1	R-05	SW-846 8082A	1/29/13	1/31/13 20:37	MJC
Aroclor-1262 [1]	ND	0.16	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 20:37	MJC
Aroclor-1268 [1]	ND	0.16	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 20:37	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	85.4	30-150					1/31/13 20:37		
Decachlorobiphenyl [2]	89.3	30-150					1/31/13 20:37		
Tetrachloro-m-xylene [1]	77.0	30-150					1/31/13 20:37		
Tetrachloro-m-xylene [2]	82.4	30-150					1/31/13 20:37		

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

Project Location: Ludlowe

Sample Description: Far R o/s 179 Brick at Source

Work Order: 13A0731

Date Received: 1/29/2013

Sampled: 1/24/2013 00:00

Field Sample #: 1-24 07-1

Sample ID: 13A0731-13

Sample Matrix: Brick

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.53	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 20:50	MJC
Aroclor-1221 [1]	ND	0.53	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 20:50	MJC
Aroclor-1232 [1]	ND	0.53	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 20:50	MJC
Aroclor-1242 [1]	ND	0.53	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 20:50	MJC
Aroclor-1248 [1]	ND	0.53	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 20:50	MJC
Aroclor-1254 [1]	ND	0.53	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 20:50	MJC
Aroclor-1260 [1]	ND	0.53	mg/Kg	1	R-05	SW-846 8082A	1/29/13	1/31/13 20:50	MJC
Aroclor-1262 [1]	ND	0.53	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 20:50	MJC
Aroclor-1268 [1]	ND	0.53	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 20:50	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	81.9	30-150							1/31/13 20:50
Decachlorobiphenyl [2]	87.3	30-150							1/31/13 20:50
Tetrachloro-m-xylene [1]	76.5	30-150							1/31/13 20:50
Tetrachloro-m-xylene [2]	81.4	30-150							1/31/13 20:50

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

Project Location: Ludlowe

Sample Description: o/s 149 Brick at Source

Work Order: 13A0731

Date Received: 1/29/2013

Sampled: 1/24/2013 00:00

Field Sample #: 1-24 07-2

Sample ID: 13A0731-14

Sample Matrix: Brick

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	21	mg/Kg	50		SW-846 8082A	1/29/13	2/1/13 17:17	MJC
Aroclor-1221 [1]	ND	21	mg/Kg	50		SW-846 8082A	1/29/13	2/1/13 17:17	MJC
Aroclor-1232 [1]	ND	21	mg/Kg	50		SW-846 8082A	1/29/13	2/1/13 17:17	MJC
Aroclor-1242 [1]	ND	21	mg/Kg	50		SW-846 8082A	1/29/13	2/1/13 17:17	MJC
Aroclor-1248 [1]	ND	21	mg/Kg	50		SW-846 8082A	1/29/13	2/1/13 17:17	MJC
Aroclor-1254 [1]	ND	21	mg/Kg	50		SW-846 8082A	1/29/13	2/1/13 17:17	MJC
Aroclor-1260 [2]	110	21	mg/Kg	50	R-05	SW-846 8082A	1/29/13	2/1/13 17:17	MJC
Aroclor-1262 [1]	ND	21	mg/Kg	50		SW-846 8082A	1/29/13	2/1/13 17:17	MJC
Aroclor-1268 [1]	ND	21	mg/Kg	50		SW-846 8082A	1/29/13	2/1/13 17:17	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	*	30-150		S-01					2/1/13 17:17
Decachlorobiphenyl [2]	*	30-150		S-01					2/1/13 17:17
Tetrachloro-m-xylene [1]	*	30-150		S-01					2/1/13 17:17
Tetrachloro-m-xylene [2]	*	30-150		S-01					2/1/13 17:17

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

Project Location: Ludlowe

Sample Description: o/s Rm 282D Brick at Source

Work Order: 13A0731

Date Received: 1/29/2013

Sampled: 1/24/2013 00:00

Field Sample #: 1-24 07-3

Sample ID: 13A0731-15

Sample Matrix: Brick

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	1		SW-846 8082A	1/29/13	1/31/13 21:15	MJC
Aroclor-1221 [1]	ND	0.20	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 21:15	MJC
Aroclor-1232 [1]	ND	0.20	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 21:15	MJC
Aroclor-1242 [1]	ND	0.20	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 21:15	MJC
Aroclor-1248 [1]	ND	0.20	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 21:15	MJC
Aroclor-1254 [1]	ND	0.20	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 21:15	MJC
Aroclor-1260 [1]	ND	0.20	mg/Kg	1	R-05	SW-846 8082A	1/29/13	1/31/13 21:15	MJC
Aroclor-1262 [1]	ND	0.20	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 21:15	MJC
Aroclor-1268 [1]	ND	0.20	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 21:15	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	88.9	30-150							1/31/13 21:15
Decachlorobiphenyl [2]	93.6	30-150							1/31/13 21:15
Tetrachloro-m-xylene [1]	81.2	30-150							1/31/13 21:15
Tetrachloro-m-xylene [2]	87.4	30-150							1/31/13 21:15

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

Project Location: Ludlowe

Sample Description: Far L o/s 129 Mortar at Source

Work Order: 13A0731

Date Received: 1/29/2013

Sampled: 1/24/2013 00:00

Field Sample #: 1-24 08-1

Sample ID: 13A0731-16

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	1		SW-846 8082A	1/29/13	1/31/13 21:28	MJC
Aroclor-1221 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 21:28	MJC
Aroclor-1232 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 21:28	MJC
Aroclor-1242 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 21:28	MJC
Aroclor-1248 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 21:28	MJC
Aroclor-1254 [1]	2.1	0.50	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 21:28	MJC
Aroclor-1260 [1]	ND	0.50	mg/Kg	1	R-05	SW-846 8082A	1/29/13	1/31/13 21:28	MJC
Aroclor-1262 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 21:28	MJC
Aroclor-1268 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 21:28	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	87.8	30-150							1/31/13 21:28
Decachlorobiphenyl [2]	93.9	30-150							1/31/13 21:28
Tetrachloro-m-xylene [1]	78.4	30-150							1/31/13 21:28
Tetrachloro-m-xylene [2]	85.6	30-150							1/31/13 21:28

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

Project Location: Ludlowe

Sample Description: o/s Rm 147 Mortar at Source

Work Order: 13A0731

Date Received: 1/29/2013

Sampled: 1/24/2013 00:00

Field Sample #: 1-24 08-2

Sample ID: 13A0731-17

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	230	mg/Kg	500		SW-846 8082A	1/29/13	2/2/13 5:21	MJC
Aroclor-1221 [1]	ND	230	mg/Kg	500		SW-846 8082A	1/29/13	2/2/13 5:21	MJC
Aroclor-1232 [1]	ND	230	mg/Kg	500		SW-846 8082A	1/29/13	2/2/13 5:21	MJC
Aroclor-1242 [1]	ND	230	mg/Kg	500		SW-846 8082A	1/29/13	2/2/13 5:21	MJC
Aroclor-1248 [1]	ND	230	mg/Kg	500		SW-846 8082A	1/29/13	2/2/13 5:21	MJC
Aroclor-1254 [1]	ND	230	mg/Kg	500		SW-846 8082A	1/29/13	2/2/13 5:21	MJC
Aroclor-1260 [2]	1200	230	mg/Kg	500	R-05	SW-846 8082A	1/29/13	2/2/13 5:21	MJC
Aroclor-1262 [1]	ND	230	mg/Kg	500		SW-846 8082A	1/29/13	2/2/13 5:21	MJC
Aroclor-1268 [1]	ND	230	mg/Kg	500		SW-846 8082A	1/29/13	2/2/13 5:21	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	*	30-150		S-01					2/2/13 5:21
Decachlorobiphenyl [2]	*	30-150		S-01					2/2/13 5:21
Tetrachloro-m-xylene [1]	*	30-150		S-01					2/2/13 5:21
Tetrachloro-m-xylene [2]	*	30-150		S-01					2/2/13 5:21

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

Project Location: Ludlowe

Sample Description: o/s Rm 282B Mortar at Source

Work Order: 13A0731

Date Received: 1/29/2013

Sampled: 1/24/2013 00:00

Field Sample #: 1-24 08-3

Sample ID: 13A0731-18

Sample Matrix: Product/Solid

Sample Flags: DL-02

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.2	mg/Kg	1		SW-846 8082A	1/29/13	2/1/13 17:43	MJC
Aroclor-1221 [1]	ND	1.2	mg/Kg	1		SW-846 8082A	1/29/13	2/1/13 17:43	MJC
Aroclor-1232 [1]	ND	1.2	mg/Kg	1		SW-846 8082A	1/29/13	2/1/13 17:43	MJC
Aroclor-1242 [1]	ND	1.2	mg/Kg	1		SW-846 8082A	1/29/13	2/1/13 17:43	MJC
Aroclor-1248 [1]	ND	1.2	mg/Kg	1		SW-846 8082A	1/29/13	2/1/13 17:43	MJC
Aroclor-1254 [1]	ND	1.2	mg/Kg	1		SW-846 8082A	1/29/13	2/1/13 17:43	MJC
Aroclor-1260 [1]	ND	1.2	mg/Kg	1	R-05	SW-846 8082A	1/29/13	2/1/13 17:43	MJC
Aroclor-1262 [1]	ND	1.2	mg/Kg	1		SW-846 8082A	1/29/13	2/1/13 17:43	MJC
Aroclor-1268 [1]	ND	1.2	mg/Kg	1		SW-846 8082A	1/29/13	2/1/13 17:43	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	90.8	30-150						2/1/13 17:43	
Decachlorobiphenyl [2]	98.3	30-150						2/1/13 17:43	
Tetrachloro-m-xylene [1]	78.1	30-150						2/1/13 17:43	
Tetrachloro-m-xylene [2]	83.5	30-150						2/1/13 17:43	

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

Project Location: Ludlowe

Sample Description: o/s Rm 138 Brick 2nd Course

Work Order: 13A0731

Date Received: 1/29/2013

Sampled: 1/24/2013 00:00

Field Sample #: 1-24 09-1

Sample ID: 13A0731-19

Sample Matrix: Brick

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	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 22:06	MJC
Aroclor-1221 [1]	ND	0.80	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 22:06	MJC
Aroclor-1232 [1]	ND	0.80	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 22:06	MJC
Aroclor-1242 [1]	ND	0.80	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 22:06	MJC
Aroclor-1248 [1]	ND	0.80	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 22:06	MJC
Aroclor-1254 [1]	ND	0.80	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 22:06	MJC
Aroclor-1260 [1]	ND	0.80	mg/Kg	1	R-05	SW-846 8082A	1/29/13	1/31/13 22:06	MJC
Aroclor-1262 [1]	ND	0.80	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 22:06	MJC
Aroclor-1268 [1]	ND	0.80	mg/Kg	1		SW-846 8082A	1/29/13	1/31/13 22:06	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	90.1	30-150					1/31/13 22:06		
Decachlorobiphenyl [2]	96.9	30-150					1/31/13 22:06		
Tetrachloro-m-xylene [1]	79.7	30-150					1/31/13 22:06		
Tetrachloro-m-xylene [2]	85.6	30-150					1/31/13 22:06		

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

Project Location: Ludlowe

Sample Description: o/s Rm 266 Brick 1st Course

Work Order: 13A0731

Date Received: 1/29/2013

Sampled: 1/24/2013 00:00

Field Sample #: 1-24 09-2

Sample ID: 13A0731-20

Sample Matrix: Brick

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	5		SW-846 8082A	1/30/13	2/5/13 9:19	MJC
Aroclor-1221 [1]	ND	0.86	mg/Kg	5		SW-846 8082A	1/30/13	2/5/13 9:19	MJC
Aroclor-1232 [1]	ND	0.86	mg/Kg	5		SW-846 8082A	1/30/13	2/5/13 9:19	MJC
Aroclor-1242 [1]	ND	0.86	mg/Kg	5		SW-846 8082A	1/30/13	2/5/13 9:19	MJC
Aroclor-1248 [1]	ND	0.86	mg/Kg	5		SW-846 8082A	1/30/13	2/5/13 9:19	MJC
Aroclor-1254 [2]	3.6	0.86	mg/Kg	5		SW-846 8082A	1/30/13	2/5/13 9:19	MJC
Aroclor-1260 [1]	ND	0.86	mg/Kg	5		SW-846 8082A	1/30/13	2/5/13 9:19	MJC
Aroclor-1262 [1]	ND	0.86	mg/Kg	5		SW-846 8082A	1/30/13	2/5/13 9:19	MJC
Aroclor-1268 [1]	ND	0.86	mg/Kg	5		SW-846 8082A	1/30/13	2/5/13 9:19	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	94.5	30-150							2/5/13 9:19
Decachlorobiphenyl [2]	102	30-150							2/5/13 9:19
Tetrachloro-m-xylene [1]	98.4	30-150							2/5/13 9:19
Tetrachloro-m-xylene [2]	101	30-150							2/5/13 9:19

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Project Location: Ludlowe

Sample Description: o/s Rm 139 Brick at Source

Work Order: 13A0731

Date Received: 1/29/2013

Sampled: 1/24/2013 00:00

Field Sample #: 1-24 09-3

Sample ID: 13A0731-21

Sample Matrix: Brick

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.8	mg/Kg	10		SW-846 8082A	1/30/13	2/5/13 9:31	MJC
Aroclor-1221 [1]	ND	4.8	mg/Kg	10		SW-846 8082A	1/30/13	2/5/13 9:31	MJC
Aroclor-1232 [1]	ND	4.8	mg/Kg	10		SW-846 8082A	1/30/13	2/5/13 9:31	MJC
Aroclor-1242 [1]	ND	4.8	mg/Kg	10		SW-846 8082A	1/30/13	2/5/13 9:31	MJC
Aroclor-1248 [1]	ND	4.8	mg/Kg	10		SW-846 8082A	1/30/13	2/5/13 9:31	MJC
Aroclor-1254 [2]	49	4.8	mg/Kg	10		SW-846 8082A	1/30/13	2/5/13 9:31	MJC
Aroclor-1260 [1]	ND	4.8	mg/Kg	10		SW-846 8082A	1/30/13	2/5/13 9:31	MJC
Aroclor-1262 [1]	ND	4.8	mg/Kg	10		SW-846 8082A	1/30/13	2/5/13 9:31	MJC
Aroclor-1268 [1]	ND	4.8	mg/Kg	10		SW-846 8082A	1/30/13	2/5/13 9:31	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	87.3	30-150							2/5/13 9:31
Decachlorobiphenyl [2]	93.1	30-150							2/5/13 9:31
Tetrachloro-m-xylene [1]	83.2	30-150							2/5/13 9:31
Tetrachloro-m-xylene [2]	86.5	30-150							2/5/13 9:31

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

Project Location: Ludlowe

Sample Description: o/s Rm 113 Brick at Source

Work Order: 13A0731

Date Received: 1/29/2013

Sampled: 1/24/2013 00:00

Field Sample #: 1-24 09-4

Sample ID: 13A0731-22

Sample Matrix: Brick

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	130	mg/Kg	500		SW-846 8082A	1/30/13	2/5/13 9:44	MJC
Aroclor-1221 [1]	ND	130	mg/Kg	500		SW-846 8082A	1/30/13	2/5/13 9:44	MJC
Aroclor-1232 [1]	ND	130	mg/Kg	500		SW-846 8082A	1/30/13	2/5/13 9:44	MJC
Aroclor-1242 [1]	ND	130	mg/Kg	500		SW-846 8082A	1/30/13	2/5/13 9:44	MJC
Aroclor-1248 [1]	ND	130	mg/Kg	500		SW-846 8082A	1/30/13	2/5/13 9:44	MJC
Aroclor-1254 [2]	1400	130	mg/Kg	500		SW-846 8082A	1/30/13	2/5/13 9:44	MJC
Aroclor-1260 [1]	ND	130	mg/Kg	500		SW-846 8082A	1/30/13	2/5/13 9:44	MJC
Aroclor-1262 [1]	ND	130	mg/Kg	500		SW-846 8082A	1/30/13	2/5/13 9:44	MJC
Aroclor-1268 [1]	ND	130	mg/Kg	500		SW-846 8082A	1/30/13	2/5/13 9:44	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	*	30-150		S-01					2/5/13 9:44
Decachlorobiphenyl [2]	*	30-150		S-01					2/5/13 9:44
Tetrachloro-m-xylene [1]	*	30-150		S-01					2/5/13 9:44
Tetrachloro-m-xylene [2]	*	30-150		S-01					2/5/13 9:44

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

Project Location: Ludlowe

Sample Description: o/s Rm 138 Mortar 2nd Course

Work Order: 13A0731

Date Received: 1/29/2013

Field Sample #: 1-24 10-1

Sampled: 1/24/2013 00:00

Sample ID: 13A0731-23

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	0.91	mg/Kg	1		SW-846 8082A	1/30/13	2/5/13 9:57	MJC
Aroclor-1221 [1]	ND	0.91	mg/Kg	1		SW-846 8082A	1/30/13	2/5/13 9:57	MJC
Aroclor-1232 [1]	ND	0.91	mg/Kg	1		SW-846 8082A	1/30/13	2/5/13 9:57	MJC
Aroclor-1242 [1]	ND	0.91	mg/Kg	1		SW-846 8082A	1/30/13	2/5/13 9:57	MJC
Aroclor-1248 [1]	ND	0.91	mg/Kg	1		SW-846 8082A	1/30/13	2/5/13 9:57	MJC
Aroclor-1254 [1]	ND	0.91	mg/Kg	1		SW-846 8082A	1/30/13	2/5/13 9:57	MJC
Aroclor-1260 [1]	ND	0.91	mg/Kg	1		SW-846 8082A	1/30/13	2/5/13 9:57	MJC
Aroclor-1262 [1]	ND	0.91	mg/Kg	1		SW-846 8082A	1/30/13	2/5/13 9:57	MJC
Aroclor-1268 [1]	ND	0.91	mg/Kg	1		SW-846 8082A	1/30/13	2/5/13 9:57	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	87.6	30-150						2/5/13 9:57	
Decachlorobiphenyl [2]	92.2	30-150						2/5/13 9:57	
Tetrachloro-m-xylene [1]	93.8	30-150						2/5/13 9:57	
Tetrachloro-m-xylene [2]	95.5	30-150						2/5/13 9:57	

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

Project Location: Ludlowe

Sample Description: o/s Rm 266 Mortar 1st Course

Work Order: 13A0731

Date Received: 1/29/2013

Field Sample #: 1-24 10-2

Sampled: 1/24/2013 00:00

Sample ID: 13A0731-24

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	1800	mg/Kg	5000		SW-846 8082A	1/30/13	2/5/13 11:40	MJC
Aroclor-1221 [1]	ND	1800	mg/Kg	5000		SW-846 8082A	1/30/13	2/5/13 11:40	MJC
Aroclor-1232 [1]	ND	1800	mg/Kg	5000		SW-846 8082A	1/30/13	2/5/13 11:40	MJC
Aroclor-1242 [1]	ND	1800	mg/Kg	5000		SW-846 8082A	1/30/13	2/5/13 11:40	MJC
Aroclor-1248 [1]	ND	1800	mg/Kg	5000		SW-846 8082A	1/30/13	2/5/13 11:40	MJC
Aroclor-1254 [2]	14000	1800	mg/Kg	5000		SW-846 8082A	1/30/13	2/5/13 11:40	MJC
Aroclor-1260 [1]	ND	1800	mg/Kg	5000		SW-846 8082A	1/30/13	2/5/13 11:40	MJC
Aroclor-1262 [1]	ND	1800	mg/Kg	5000		SW-846 8082A	1/30/13	2/5/13 11:40	MJC
Aroclor-1268 [1]	ND	1800	mg/Kg	5000		SW-846 8082A	1/30/13	2/5/13 11:40	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	*	30-150		S-01					2/5/13 11:40
Decachlorobiphenyl [2]	*	30-150		S-01					2/5/13 11:40
Tetrachloro-m-xylene [1]	*	30-150		S-01					2/5/13 11:40
Tetrachloro-m-xylene [2]	*	30-150		S-01					2/5/13 11:40

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

Project Location: Ludlowe

Sample Description: o/s Rm 139 Mortar at Source

Work Order: 13A0731

Date Received: 1/29/2013

Sampled: 1/24/2013 00:00

Field Sample #: 1-24 10-3

Sample ID: 13A0731-25

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	1.4	mg/Kg	5		SW-846 8082A	1/30/13	2/5/13 10:23	MJC
Aroclor-1221 [1]	ND	1.4	mg/Kg	5		SW-846 8082A	1/30/13	2/5/13 10:23	MJC
Aroclor-1232 [1]	ND	1.4	mg/Kg	5		SW-846 8082A	1/30/13	2/5/13 10:23	MJC
Aroclor-1242 [1]	ND	1.4	mg/Kg	5		SW-846 8082A	1/30/13	2/5/13 10:23	MJC
Aroclor-1248 [1]	ND	1.4	mg/Kg	5		SW-846 8082A	1/30/13	2/5/13 10:23	MJC
Aroclor-1254 [1]	ND	1.4	mg/Kg	5		SW-846 8082A	1/30/13	2/5/13 10:23	MJC
Aroclor-1260 [2]	6.3	1.4	mg/Kg	5		SW-846 8082A	1/30/13	2/5/13 10:23	MJC
Aroclor-1262 [1]	ND	1.4	mg/Kg	5		SW-846 8082A	1/30/13	2/5/13 10:23	MJC
Aroclor-1268 [1]	ND	1.4	mg/Kg	5		SW-846 8082A	1/30/13	2/5/13 10:23	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	92.5	30-150							2/5/13 10:23
Decachlorobiphenyl [2]	95.3	30-150							2/5/13 10:23
Tetrachloro-m-xylene [1]	93.5	30-150							2/5/13 10:23
Tetrachloro-m-xylene [2]	96.8	30-150							2/5/13 10:23

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

Project Location: Ludlowe

Sample Description: o/s Rm 113 Mortar at Source

Work Order: 13A0731

Date Received: 1/29/2013

Sampled: 1/24/2013 00:00

Field Sample #: 1-24 10-4

Sample ID: 13A0731-26

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	0.24	mg/Kg	1		SW-846 8082A	1/30/13	2/5/13 10:36	MJC
Aroclor-1221 [1]	ND	0.24	mg/Kg	1		SW-846 8082A	1/30/13	2/5/13 10:36	MJC
Aroclor-1232 [1]	ND	0.24	mg/Kg	1		SW-846 8082A	1/30/13	2/5/13 10:36	MJC
Aroclor-1242 [1]	ND	0.24	mg/Kg	1		SW-846 8082A	1/30/13	2/5/13 10:36	MJC
Aroclor-1248 [1]	ND	0.24	mg/Kg	1		SW-846 8082A	1/30/13	2/5/13 10:36	MJC
Aroclor-1254 [2]	0.68	0.24	mg/Kg	1		SW-846 8082A	1/30/13	2/5/13 10:36	MJC
Aroclor-1260 [2]	0.44	0.24	mg/Kg	1		SW-846 8082A	1/30/13	2/5/13 10:36	MJC
Aroclor-1262 [1]	ND	0.24	mg/Kg	1		SW-846 8082A	1/30/13	2/5/13 10:36	MJC
Aroclor-1268 [1]	ND	0.24	mg/Kg	1		SW-846 8082A	1/30/13	2/5/13 10:36	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	94.1	30-150							2/5/13 10:36
Decachlorobiphenyl [2]	98.8	30-150							2/5/13 10:36
Tetrachloro-m-xylene [1]	94.3	30-150							2/5/13 10:36
Tetrachloro-m-xylene [2]	97.6	30-150							2/5/13 10:36

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

Project Location: Ludlowe

Sample Description: o/s Stair 10 Brick 2nd Course Full

Work Order: 13A0731

Date Received: 1/29/2013

Sampled: 1/24/2013 00:00

Field Sample #: 1-24 11-1

Sample ID: 13A0731-27

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	0.39	mg/Kg	1		SW-846 8082A	1/30/13	2/5/13 10:49	MJC
Aroclor-1221 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	1/30/13	2/5/13 10:49	MJC
Aroclor-1232 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	1/30/13	2/5/13 10:49	MJC
Aroclor-1242 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	1/30/13	2/5/13 10:49	MJC
Aroclor-1248 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	1/30/13	2/5/13 10:49	MJC
Aroclor-1254 [2]	0.54	0.39	mg/Kg	1		SW-846 8082A	1/30/13	2/5/13 10:49	MJC
Aroclor-1260 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	1/30/13	2/5/13 10:49	MJC
Aroclor-1262 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	1/30/13	2/5/13 10:49	MJC
Aroclor-1268 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	1/30/13	2/5/13 10:49	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	97.1		30-150					2/5/13 10:49	
Decachlorobiphenyl [2]	102		30-150					2/5/13 10:49	
Tetrachloro-m-xylene [1]	95.6		30-150					2/5/13 10:49	
Tetrachloro-m-xylene [2]	98.7		30-150					2/5/13 10:49	

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

Project Location: Ludlowe

Sample Description: o/s Rm 147 Brick Source

Work Order: 13A0731

Date Received: 1/29/2013

Field Sample #: 1-24 11-2

Sampled: 1/24/2013 00:00

Sample ID: 13A0731-28

Sample Matrix: Brick

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	82	mg/Kg	200		SW-846 8082A	1/30/13	2/5/13 11:02	MJC
Aroclor-1221 [1]	ND	82	mg/Kg	200		SW-846 8082A	1/30/13	2/5/13 11:02	MJC
Aroclor-1232 [1]	ND	82	mg/Kg	200		SW-846 8082A	1/30/13	2/5/13 11:02	MJC
Aroclor-1242 [1]	ND	82	mg/Kg	200		SW-846 8082A	1/30/13	2/5/13 11:02	MJC
Aroclor-1248 [1]	ND	82	mg/Kg	200		SW-846 8082A	1/30/13	2/5/13 11:02	MJC
Aroclor-1254 [2]	790	82	mg/Kg	200		SW-846 8082A	1/30/13	2/5/13 11:02	MJC
Aroclor-1260 [2]	170	82	mg/Kg	200		SW-846 8082A	1/30/13	2/5/13 11:02	MJC
Aroclor-1262 [1]	ND	82	mg/Kg	200		SW-846 8082A	1/30/13	2/5/13 11:02	MJC
Aroclor-1268 [1]	ND	82	mg/Kg	200		SW-846 8082A	1/30/13	2/5/13 11:02	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01				2/5/13 11:02
Decachlorobiphenyl [2]	*		30-150		S-01				2/5/13 11:02
Tetrachloro-m-xylene [1]	*		30-150		S-01				2/5/13 11:02
Tetrachloro-m-xylene [2]	*		30-150		S-01				2/5/13 11:02

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

Project Location: Ludlowe

Sample Description: o/s Stair 10 B. Mortar 2nd Full Course

Work Order: 13A0731

Date Received: 1/29/2013

Sampled: 1/24/2013 00:00

Field Sample #: 1-24 12-1

Sample ID: 13A0731-29

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	0.23	mg/Kg	1		SW-846 8082A	1/30/13	2/5/13 11:14	MJC
Aroclor-1221 [1]	ND	0.23	mg/Kg	1		SW-846 8082A	1/30/13	2/5/13 11:14	MJC
Aroclor-1232 [1]	ND	0.23	mg/Kg	1		SW-846 8082A	1/30/13	2/5/13 11:14	MJC
Aroclor-1242 [1]	ND	0.23	mg/Kg	1		SW-846 8082A	1/30/13	2/5/13 11:14	MJC
Aroclor-1248 [1]	ND	0.23	mg/Kg	1		SW-846 8082A	1/30/13	2/5/13 11:14	MJC
Aroclor-1254 [1]	0.57	0.23	mg/Kg	1		SW-846 8082A	1/30/13	2/5/13 11:14	MJC
Aroclor-1260 [1]	ND	0.23	mg/Kg	1		SW-846 8082A	1/30/13	2/5/13 11:14	MJC
Aroclor-1262 [1]	ND	0.23	mg/Kg	1		SW-846 8082A	1/30/13	2/5/13 11:14	MJC
Aroclor-1268 [1]	ND	0.23	mg/Kg	1		SW-846 8082A	1/30/13	2/5/13 11:14	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	100		30-150					2/5/13 11:14	
Decachlorobiphenyl [2]	105		30-150					2/5/13 11:14	
Tetrachloro-m-xylene [1]	80.5		30-150					2/5/13 11:14	
Tetrachloro-m-xylene [2]	83.2		30-150					2/5/13 11:14	

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

Project Location: Ludlowe

Sample Description: o/s Rm 147 B. Mortar at Source

Work Order: 13A0731

Date Received: 1/29/2013

Sampled: 1/24/2013 00:00

Field Sample #: 1-24 12-2

Sample ID: 13A0731-30

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	4300	mg/Kg	20000		SW-846 8082A	1/30/13	2/5/13 11:53	MJC
Aroclor-1221 [1]	ND	4300	mg/Kg	20000		SW-846 8082A	1/30/13	2/5/13 11:53	MJC
Aroclor-1232 [1]	ND	4300	mg/Kg	20000		SW-846 8082A	1/30/13	2/5/13 11:53	MJC
Aroclor-1242 [1]	ND	4300	mg/Kg	20000		SW-846 8082A	1/30/13	2/5/13 11:53	MJC
Aroclor-1248 [1]	ND	4300	mg/Kg	20000		SW-846 8082A	1/30/13	2/5/13 11:53	MJC
Aroclor-1254 [1]	17000	4300	mg/Kg	20000		SW-846 8082A	1/30/13	2/5/13 11:53	MJC
Aroclor-1260 [1]	ND	4300	mg/Kg	20000		SW-846 8082A	1/30/13	2/5/13 11:53	MJC
Aroclor-1262 [1]	ND	4300	mg/Kg	20000		SW-846 8082A	1/30/13	2/5/13 11:53	MJC
Aroclor-1268 [1]	ND	4300	mg/Kg	20000		SW-846 8082A	1/30/13	2/5/13 11:53	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			2/5/13 11:53	
Decachlorobiphenyl [2]		*	30-150		S-01			2/5/13 11:53	
Tetrachloro-m-xylene [1]		*	30-150		S-01			2/5/13 11:53	
Tetrachloro-m-xylene [2]		*	30-150		S-01			2/5/13 11:53	

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13A0731-01 [1-24 01-1]	B066888	1.86	10.0	01/29/13
13A0731-02 [1-24 02-1]	B066888	1.32	10.0	01/29/13
13A0731-03 [1-24 03-1]	B066888	1.01	10.0	01/29/13
13A0731-04 [1-24 03-2]	B066888	0.890	10.0	01/29/13
13A0731-05 [1-24 03-3]	B066888	1.67	10.0	01/29/13
13A0731-06 [1-24 04-1]	B066888	2.05	10.0	01/29/13
13A0731-07 [1-24 04-2]	B066888	2.13	10.0	01/29/13
13A0731-08 [1-24 04-3]	B066888	0.760	10.0	01/29/13
13A0731-09 [1-24 05-1]	B066888	1.27	10.0	01/29/13
13A0731-10 [1-24 05-2]	B066888	1.40	10.0	01/29/13
13A0731-11 [1-24 06-1]	B066888	2.14	10.0	01/29/13
13A0731-12 [1-24 06-2]	B066888	1.24	10.0	01/29/13
13A0731-13 [1-24 07-1]	B066888	0.380	10.0	01/29/13
13A0731-14 [1-24 07-2]	B066888	0.470	10.0	01/29/13
13A0731-15 [1-24 07-3]	B066888	1.01	10.0	01/29/13
13A0731-16 [1-24 08-1]	B066888	0.400	10.0	01/29/13
13A0731-17 [1-24 08-2]	B066888	0.430	10.0	01/29/13
13A0731-18 [1-24 08-3]	B066888	0.170	10.0	01/29/13
13A0731-19 [1-24 09-1]	B066888	0.250	10.0	01/29/13

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13A0731-20 [1-24 09-2]	B066946	1.16	10.0	01/30/13
13A0731-21 [1-24 09-3]	B066946	0.420	10.0	01/30/13
13A0731-22 [1-24 09-4]	B066946	0.760	10.0	01/30/13
13A0731-23 [1-24 10-1]	B066946	0.220	10.0	01/30/13
13A0731-24 [1-24 10-2]	B066946	0.560	10.0	01/30/13
13A0731-25 [1-24 10-3]	B066946	0.730	10.0	01/30/13
13A0731-26 [1-24 10-4]	B066946	0.830	10.0	01/30/13
13A0731-27 [1-24 11-1]	B066946	0.510	10.0	01/30/13
13A0731-28 [1-24 11-2]	B066946	0.490	10.0	01/30/13
13A0731-29 [1-24 12-1]	B066946	0.870	10.0	01/30/13
13A0731-30 [1-24 12-2]	B066946	0.940	10.0	01/30/13

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 B066888 - SW-846 3540C

Blank (B066888-BLK1)	Prepared: 01/29/13 Analyzed: 01/31/13							
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					R-05
Aroclor-1260 [2C]	ND	0.10	mg/Kg					R-05
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	0.836	mg/Kg	1.00		83.6	30-150		
Surrogate: Decachlorobiphenyl [2C]	0.849	mg/Kg	1.00		84.9	30-150		
Surrogate: Tetrachloro-m-xylene	0.790	mg/Kg	1.00		79.0	30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.841	mg/Kg	1.00		84.1	30-150		
LCS (B066888-BS1)	Prepared: 01/29/13 Analyzed: 01/31/13							
Aroclor-1016	0.25	0.10	mg/Kg	0.250	98.2	40-140		
Aroclor-1016 [2C]	0.25	0.10	mg/Kg	0.250	99.6	40-140		
Aroclor-1260	0.37	0.10	mg/Kg	0.250	147 *	40-140		L-07A
Aroclor-1260 [2C]	0.37	0.10	mg/Kg	0.250	149 *	40-140		L-07A
Surrogate: Decachlorobiphenyl	0.853	mg/Kg	1.00		85.3	30-150		
Surrogate: Decachlorobiphenyl [2C]	0.869	mg/Kg	1.00		86.9	30-150		
Surrogate: Tetrachloro-m-xylene	0.782	mg/Kg	1.00		78.2	30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.835	mg/Kg	1.00		83.5	30-150		
LCS Dup (B066888-BSD1)	Prepared: 01/29/13 Analyzed: 01/31/13							
Aroclor-1016	0.24	0.10	mg/Kg	0.250	97.0	40-140	1.23	30
Aroclor-1016 [2C]	0.25	0.10	mg/Kg	0.250	98.3	40-140	1.25	30
Aroclor-1260	0.24	0.10	mg/Kg	0.250	96.5	40-140	41.4 *	30
Aroclor-1260 [2C]	0.24	0.10	mg/Kg	0.250	96.0	40-140	43.4 *	30
Surrogate: Decachlorobiphenyl	0.830	mg/Kg	1.00		83.0	30-150		
Surrogate: Decachlorobiphenyl [2C]	0.848	mg/Kg	1.00		84.8	30-150		
Surrogate: Tetrachloro-m-xylene	0.779	mg/Kg	1.00		77.9	30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.833	mg/Kg	1.00		83.3	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 B066946 - SW-846 3540C

Blank (B066946-BLK1)										Prepared: 01/30/13 Analyzed: 02/01/13
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	0.984		mg/Kg	1.00		98.4		30-150		
Surrogate: Decachlorobiphenyl [2C]	1.01		mg/Kg	1.00		101		30-150		
Surrogate: Tetrachloro-m-xylene	0.876		mg/Kg	1.00		87.6		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.857		mg/Kg	1.00		85.7		30-150		

LCS (B066946-BS1)										Prepared: 01/30/13 Analyzed: 02/01/13
Aroclor-1016	0.26	0.10	mg/Kg	0.250		104		40-140		
Aroclor-1016 [2C]	0.25	0.10	mg/Kg	0.250		101		40-140		
Aroclor-1260	0.25	0.10	mg/Kg	0.250		102		40-140		
Aroclor-1260 [2C]	0.25	0.10	mg/Kg	0.250		100		40-140		
Surrogate: Decachlorobiphenyl	0.904		mg/Kg	1.00		90.4		30-150		
Surrogate: Decachlorobiphenyl [2C]	0.920		mg/Kg	1.00		92.0		30-150		
Surrogate: Tetrachloro-m-xylene	0.824		mg/Kg	1.00		82.4		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.820		mg/Kg	1.00		82.0		30-150		

LCS Dup (B066946-BSD1)										Prepared: 01/30/13 Analyzed: 02/01/13
Aroclor-1016	0.28	0.10	mg/Kg	0.250		110		40-140	6.34	30
Aroclor-1016 [2C]	0.26	0.10	mg/Kg	0.250		105		40-140	3.72	30
Aroclor-1260	0.26	0.10	mg/Kg	0.250		105		40-140	3.67	30
Aroclor-1260 [2C]	0.26	0.10	mg/Kg	0.250		103		40-140	3.07	30
Surrogate: Decachlorobiphenyl	0.931		mg/Kg	1.00		93.1		30-150		
Surrogate: Decachlorobiphenyl [2C]	0.958		mg/Kg	1.00		95.8		30-150		
Surrogate: Tetrachloro-m-xylene	0.890		mg/Kg	1.00		89.0		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.890		mg/Kg	1.00		89.0		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.

DL-02 Elevated method reporting limit due to insufficient sample volume

L-07A Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.

R-05 Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

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
SW-846 8082A in Product/Solid	
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	12/30/2013
NC	North Carolina Div. of Water Quality	652	12/31/2013
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

CHAIN OF CUSTODY RECORD

39 Spruce Street
East longmeadow, MA 01028

Page
of

Company Name: Ame Env.		Telephone:	13A0731																
Address: 12 Clinton Ave.		Project #																	
Bridgewater, CT		Client PO#																	
Attention:		DATA DELIVERY (check all that apply)																	
Project Location: Building H.S.		<input type="checkbox"/> FAX	<input type="checkbox"/> OEMAIL																
Sampled By: S. St. Peter		<input type="checkbox"/> WEBSITE																	
Project Proposal Provided? (for billing purposes) ○ yes _____ proposal date		<input type="checkbox"/> Format	<input type="checkbox"/> PDF																
		<input type="checkbox"/> O "Enhanced Data Package"	<input type="checkbox"/> EXCEL																
		<input type="checkbox"/> O OTHER	<input type="checkbox"/> GIS																
		Collection																	
Con Test Lab ID	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time																
11	1-24 06-1 8AM 215 CMU																		
12	1-24 06-2 8AM 129 CMU																		
13	1-24 07-1 8AM 129																		
14	1-24 07-2 Brick Pavers 129																		
15	1-24 07-3 8AM 252D																		
16	1-24 08-1 Kerccis 129																		
17	1-24 08-2 015 8AM 149 Number P Service																		
18	1-24 08-3 015 8AM 282B Metallic Coated																		
19	1-24 09-1 015 8AM 155 Brick																		
20	1-24 09-2 015 8AM 266 Brick 1st course																		
Comments:																			
<i>M. M. 1/20</i>		Date/Time: 1/29/13	Turnaround: 15-Day																
Submitted by: (Signature) <i>M. M. 1/20</i>		Date/Time: 1/29/13	10-Day																
Received by: (Signature) <i>M. M. 1/20</i>		Date/Time: 1/29/13	Other: RUSH																
Received by: (Signature) <i>M. M. 1/20</i>		Date/Time: 1/29/13	Other: <input type="checkbox"/> 24-Hr <input type="checkbox"/> 48-Hr <input type="checkbox"/> 72-Hr <input type="checkbox"/> 4-Day + Require lab approval																
ANALYSIS REQUESTED																			
<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>																			
<table border="1"> <thead> <tr> <th colspan="2">Detection Limit Requirements</th> <th colspan="2">Is your project MCP or RCP?</th> </tr> </thead> <tbody> <tr> <td colspan="2">Massachusetts:</td> <td colspan="2"> <input type="radio"/> MCP Form Required <input type="radio"/> RCP Form Required <input type="radio"/> MA State DW Form Required PWISID # <u> </u> </td> </tr> <tr> <td colspan="2">Connecticut:</td> <td colspan="2"> <input checked="" type="radio"/> MCP Form Required <input type="radio"/> RCP Form Required <input type="radio"/> MA State DW Form Required PWISID # <u> </u> </td> </tr> <tr> <td colspan="2"></td> <td colspan="2"> *Matrix Code: GW=groundwater WW=wastewater DW=drinking water A=air S=soil/solid SL=sludge O=other </td> </tr> </tbody> </table>				Detection Limit Requirements		Is your project MCP or RCP?		Massachusetts:		<input type="radio"/> MCP Form Required <input type="radio"/> RCP Form Required <input type="radio"/> MA State DW Form Required PWISID # <u> </u>		Connecticut:		<input checked="" type="radio"/> MCP Form Required <input type="radio"/> RCP Form Required <input type="radio"/> MA State DW Form Required PWISID # <u> </u>				*Matrix Code: GW =groundwater WW =wastewater DW =drinking water A =air S =soil/solid SL =sludge O =other	
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<p>***Container Code</p> <p><input type="radio"/> Field Filtered <input type="radio"/> Lab to Filter</p> <p>***Cont. Code:</p> <p><input type="radio"/> A=Amber glass <input type="radio"/> G=glass <input type="radio"/> P=plastic <input type="radio"/> ST=sterile <input type="radio"/> V=vial</p> <p><input type="radio"/> S=summation <input type="radio"/> T=tederal bag <input type="radio"/> O=Other</p> <p>**Preservation</p> <p><input type="radio"/> I=Iced <input type="radio"/> H=HCL <input type="radio"/> M=Methanol <input type="radio"/> N=Nitric Acid <input type="radio"/> S=Sulfuric Acid <input type="radio"/> B=Sodium bisulfate <input type="radio"/> X=Na hydroxide <input type="radio"/> T=Na thiosulfate <input type="radio"/> O=Other</p> <p>*Matrix Code: GW=groundwater WW=wastewater DW=drinking water A=air S=soil/solid SL=sludge O=other </p>																			
<p>Page 40 of 42 13A0731_1 Contest Final 02 05 13</p> <p>ANALYTICAL LABORATORY Email: info@contestlabs.com www.contestlabs.com</p> <p>Rev 04.05.12</p>																			

**** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS 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 3 of 2

 www.contestlabs.com
 telephone: 13A0731

Rev 04/05/12

 Company Name: **AMC Environmental**

 Address: **P.O. Box 103**

 Attention: **Shaffer, CT**
 Project Location: **Wetline HS.**

Sampled By:

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

DATA DELIVERY (check all that apply)

- FAX EMAIL WEBSITE
 Client PO#
 Format: PDF EXCEL GIS
 OTHER "Enhanced Data Package"

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

**Preservation
 I=Ice
 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

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Date/Time: **1/29/13 10:15**
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Ret

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: 1/29/13

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 3.5

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>5</u>
250 mL Amber (8oz amber)		2 oz amber/clear jar	<u>25</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 13, 2012

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

Project Location: Fairfield Ludlowe HS

Client Job Number:

Project Number: [none]

Laboratory Work Order Number: 12K0198

Enclosed are results of analyses for samples received by the laboratory on November 6, 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: 11/13/2012

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

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12K0198

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

PROJECT LOCATION: Fairfield Ludlowe HS

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
10-26 Soil 01-1	12K0198-01	Soil		SM 2540G SW-846 8082A	
10-26 Soil 01-2	12K0198-02	Soil		SM 2540G SW-846 8082A	
10-26 Soil 01-3	12K0198-03	Soil		SM 2540G SW-846 8082A	
10-26 Soil 02-1	12K0198-04	Soil		SM 2540G SW-846 8082A	
10-26 Soil 02-2	12K0198-05	Soil		SM 2540G SW-846 8082A	
10-26 Soil 02-3	12K0198-06	Soil		SM 2540G SW-846 8082A	
10-26 Soil 03-1	12K0198-07	Soil		SM 2540G SW-846 8082A	
10-26 Soil 03-2	12K0198-08	Soil		SM 2540G SW-846 8082A	
10-26 Soil 03-3	12K0198-09	Soil		SM 2540G SW-846 8082A	
10-26 Soil 04-1	12K0198-10	Soil		SM 2540G SW-846 8082A	
10-26 Soil 04-2	12K0198-11	Soil		SM 2540G SW-846 8082A	
10-26 Soil 04-3	12K0198-12	Soil		SM 2540G SW-846 8082A	
10-26 Soil 05-1	12K0198-13	Soil		SM 2540G SW-846 8082A	
10-26 Soil 06-1	12K0198-14	Soil		SM 2540G SW-846 8082A	
10-26 Soil 07-1	12K0198-15	Soil		SM 2540G SW-846 8082A	
10-26 Soil 08-1	12K0198-16	Soil		SM 2540G SW-846 8082A	
10-26 Soil 09-1	12K0198-17	Soil		SM 2540G SW-846 8082A	
10-26 Soil 10-1	12K0198-18	Soil		SM 2540G SW-846 8082A	
10-26 Soil 11-1	12K0198-19	Soil		SM 2540G SW-846 8082A	
10-26 Soil 12-1	12K0198-20	Soil		SM 2540G SW-846 8082A	

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REPORT DATE: 11/13/2012

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

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12K0198

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

PROJECT LOCATION: Fairfield Ludlowe HS

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
10-26 Soil 09-2	12K0198-21	Soil		SM 2540G SW-846 8082A	
10-26 Soil 10-2	12K0198-22	Soil		SM 2540G SW-846 8082A	
10-26 Soil 11-2	12K0198-23	Soil		SM 2540G SW-846 8082A	
10-26 Soil 12-2	12K0198-24	Soil		SM 2540G SW-846 8082A	
10-26 Soil 09-3	12K0198-25	Soil		SM 2540G SW-846 8082A	
10-26 Soil 10-3	12K0198-26	Soil		SM 2540G SW-846 8082A	
10-26 Soil 11-3	12K0198-27	Soil		SM 2540G SW-846 8082A	
10-26 Soil 12-3	12K0198-28	Soil		SM 2540G SW-846 8082A	
10-26 Soil 09-4	12K0198-29	Soil		SM 2540G SW-846 8082A	
10-26 Soil 10-4	12K0198-30	Soil		SM 2540G SW-846 8082A	
10-26 Soil 11-4	12K0198-31	Soil		SM 2540G SW-846 8082A	
10-26 Soil 12-4	12K0198-32	Soil		SM 2540G SW-846 8082A	
10-26 Soil 13-1	12K0198-33	Soil		SM 2540G SW-846 8082A	
10-26 Soil 14-1	12K0198-34	Soil		SM 2540G SW-846 8082A	
10-26 Soil 15-1	12K0198-35	Soil		SM 2540G SW-846 8082A	
10-26 Soil 16-1	12K0198-36	Soil		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]

12K0198-27[10-26 Soil 11-3]

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: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 01-1

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-01

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	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 15:58	MJC
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 15:58	MJC
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 15:58	MJC
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 15:58	MJC
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 15:58	MJC
Aroclor-1254 [2]	0.31	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 15:58	MJC
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 15:58	MJC
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 15:58	MJC
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 15:58	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		108	30-150					11/12/12 15:58	
Decachlorobiphenyl [2]		109	30-150					11/12/12 15:58	
Tetrachloro-m-xylene [1]		104	30-150					11/12/12 15:58	
Tetrachloro-m-xylene [2]		105	30-150					11/12/12 15:58	

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 01-1

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-01

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	81.9		% Wt	1		SM 2540G	11/7/12	11/8/12 8:17	RH

Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 01-2

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-02

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	0.24	mg/Kg dry	10		SW-846 8082A	11/8/12	11/13/12 7:11	MJC
Aroclor-1221 [1]	ND	0.24	mg/Kg dry	10		SW-846 8082A	11/8/12	11/13/12 7:11	MJC
Aroclor-1232 [1]	ND	0.24	mg/Kg dry	10		SW-846 8082A	11/8/12	11/13/12 7:11	MJC
Aroclor-1242 [1]	ND	0.24	mg/Kg dry	10		SW-846 8082A	11/8/12	11/13/12 7:11	MJC
Aroclor-1248 [1]	ND	0.24	mg/Kg dry	10		SW-846 8082A	11/8/12	11/13/12 7:11	MJC
Aroclor-1254 [1]	1.7	0.24	mg/Kg dry	10		SW-846 8082A	11/8/12	11/13/12 7:11	MJC
Aroclor-1260 [2]	0.49	0.24	mg/Kg dry	10		SW-846 8082A	11/8/12	11/13/12 7:11	MJC
Aroclor-1262 [1]	ND	0.24	mg/Kg dry	10		SW-846 8082A	11/8/12	11/13/12 7:11	MJC
Aroclor-1268 [1]	ND	0.24	mg/Kg dry	10		SW-846 8082A	11/8/12	11/13/12 7:11	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		108	30-150					11/13/12 7:11	
Decachlorobiphenyl [2]		100	30-150					11/13/12 7:11	
Tetrachloro-m-xylene [1]		109	30-150					11/13/12 7:11	
Tetrachloro-m-xylene [2]		108	30-150					11/13/12 7:11	

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 01-2

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-02

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	79.5		% Wt	1		SM 2540G	11/7/12	11/8/12 8:17	RH

Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 01-3

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-03

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	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 16:26	MJC
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 16:26	MJC
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 16:26	MJC
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 16:26	MJC
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 16:26	MJC
Aroclor-1254 [2]	0.45	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 16:26	MJC
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 16:26	MJC
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 16:26	MJC
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 16:26	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	110	30-150						11/12/12 16:26	
Decachlorobiphenyl [2]	111	30-150						11/12/12 16:26	
Tetrachloro-m-xylene [1]	106	30-150						11/12/12 16:26	
Tetrachloro-m-xylene [2]	105	30-150						11/12/12 16:26	

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 01-3

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-03

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	83.8		% Wt	1		SM 2540G	11/7/12	11/8/12 8:17	RH

Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 02-1

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-04

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	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 16:39	MJC
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 16:39	MJC
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 16:39	MJC
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 16:39	MJC
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 16:39	MJC
Aroclor-1254 [2]	0.19	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 16:39	MJC
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 16:39	MJC
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 16:39	MJC
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 16:39	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		111	30-150					11/12/12 16:39	
Decachlorobiphenyl [2]		112	30-150					11/12/12 16:39	
Tetrachloro-m-xylene [1]		107	30-150					11/12/12 16:39	
Tetrachloro-m-xylene [2]		108	30-150					11/12/12 16:39	

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 02-1

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-04

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	80.7		% Wt	1		SM 2540G	11/7/12	11/8/12 8:17	RH

Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 02-2

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-05

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	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 16:51	MJC
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 16:51	MJC
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 16:51	MJC
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 16:51	MJC
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 16:51	MJC
Aroclor-1254 [2]	0.34	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 16:51	MJC
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 16:51	MJC
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 16:51	MJC
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 16:51	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		112	30-150					11/12/12 16:51	
Decachlorobiphenyl [2]		115	30-150					11/12/12 16:51	
Tetrachloro-m-xylene [1]		109	30-150					11/12/12 16:51	
Tetrachloro-m-xylene [2]		109	30-150					11/12/12 16:51	

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 02-2

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-05

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	81.8		% Wt	1		SM 2540G	11/7/12	11/8/12 8:17	RH

Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 02-3

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-06

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	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 17:03	MJC
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 17:03	MJC
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 17:03	MJC
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 17:03	MJC
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 17:03	MJC
Aroclor-1254 [1]	0.35	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 17:03	MJC
Aroclor-1260 [2]	0.87	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 17:03	MJC
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 17:03	MJC
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 17:03	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		110	30-150					11/12/12 17:03	
Decachlorobiphenyl [2]		114	30-150					11/12/12 17:03	
Tetrachloro-m-xylene [1]		111	30-150					11/12/12 17:03	
Tetrachloro-m-xylene [2]		112	30-150					11/12/12 17:03	

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 02-3

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-06

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	77.3		% Wt	1		SM 2540G	11/7/12	11/8/12 8:17	RH

Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 03-1

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-07

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	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 17:16	MJC
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 17:16	MJC
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 17:16	MJC
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 17:16	MJC
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 17:16	MJC
Aroclor-1254 [2]	0.26	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 17:16	MJC
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 17:16	MJC
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 17:16	MJC
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 17:16	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		106	30-150					11/12/12 17:16	
Decachlorobiphenyl [2]		106	30-150					11/12/12 17:16	
Tetrachloro-m-xylene [1]		104	30-150					11/12/12 17:16	
Tetrachloro-m-xylene [2]		105	30-150					11/12/12 17:16	

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 03-1

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-07

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	80.7		% Wt	1		SM 2540G	11/7/12	11/8/12 8:17	RH

Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 03-2

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-08

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	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 17:29	MJC
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 17:29	MJC
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 17:29	MJC
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 17:29	MJC
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 17:29	MJC
Aroclor-1254 [1]	0.52	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 17:29	MJC
Aroclor-1260 [2]	0.52	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 17:29	MJC
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 17:29	MJC
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 17:29	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		104	30-150					11/12/12 17:29	
Decachlorobiphenyl [2]		104	30-150					11/12/12 17:29	
Tetrachloro-m-xylene [1]		103	30-150					11/12/12 17:29	
Tetrachloro-m-xylene [2]		104	30-150					11/12/12 17:29	

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 03-2

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-08

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	71.8		% Wt	1		SM 2540G	11/7/12	11/8/12 8:17	RH

Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 03-3

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-09

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	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 17:41	MJC
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 17:41	MJC
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 17:41	MJC
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 17:41	MJC
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 17:41	MJC
Aroclor-1254 [2]	0.25	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 17:41	MJC
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 17:41	MJC
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 17:41	MJC
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 17:41	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		106	30-150					11/12/12 17:41	
Decachlorobiphenyl [2]		107	30-150					11/12/12 17:41	
Tetrachloro-m-xylene [1]		104	30-150					11/12/12 17:41	
Tetrachloro-m-xylene [2]		105	30-150					11/12/12 17:41	

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 03-3

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-09

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	74.3		% Wt	1		SM 2540G	11/7/12	11/8/12 8:17	RH

Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 04-1

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-10

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	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 18:18	MJC
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 18:18	MJC
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 18:18	MJC
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 18:18	MJC
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 18:18	MJC
Aroclor-1254 [2]	0.15	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 18:18	MJC
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 18:18	MJC
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 18:18	MJC
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 18:18	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		111	30-150					11/12/12 18:18	
Decachlorobiphenyl [2]		112	30-150					11/12/12 18:18	
Tetrachloro-m-xylene [1]		108	30-150					11/12/12 18:18	
Tetrachloro-m-xylene [2]		108	30-150					11/12/12 18:18	

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Sampled: 10/26/2012 00:00

Field Sample #: 10-26 Soil 04-1

Sample ID: 12K0198-10

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	71.6		% Wt	1		SM 2540G	11/7/12	11/8/12 8:17	RH

Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 04-2

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-11

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	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 18:30	MJC
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 18:30	MJC
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 18:30	MJC
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 18:30	MJC
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 18:30	MJC
Aroclor-1254 [2]	0.48	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 18:30	MJC
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 18:30	MJC
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 18:30	MJC
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 18:30	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		106	30-150					11/12/12 18:30	
Decachlorobiphenyl [2]		110	30-150					11/12/12 18:30	
Tetrachloro-m-xylene [1]		106	30-150					11/12/12 18:30	
Tetrachloro-m-xylene [2]		107	30-150					11/12/12 18:30	

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 04-2

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-11

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	73.0		% Wt	1		SM 2540G	11/7/12	11/8/12 8:17	RH

Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 04-3

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-12

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	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 18:43	MJC
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 18:43	MJC
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 18:43	MJC
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 18:43	MJC
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 18:43	MJC
Aroclor-1254 [2]	0.17	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 18:43	MJC
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 18:43	MJC
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 18:43	MJC
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 18:43	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		111	30-150					11/12/12 18:43	
Decachlorobiphenyl [2]		112	30-150					11/12/12 18:43	
Tetrachloro-m-xylene [1]		108	30-150					11/12/12 18:43	
Tetrachloro-m-xylene [2]		108	30-150					11/12/12 18:43	

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 04-3

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-12

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	76.0		% Wt	1		SM 2540G	11/7/12	11/8/12 8:17	RH

Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 05-1

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-13

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	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 18:55	MJC
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 18:55	MJC
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 18:55	MJC
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 18:55	MJC
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 18:55	MJC
Aroclor-1254 [1]	0.52	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 18:55	MJC
Aroclor-1260 [2]	0.18	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 18:55	MJC
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 18:55	MJC
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 18:55	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		109	30-150					11/12/12 18:55	
Decachlorobiphenyl [2]		110	30-150					11/12/12 18:55	
Tetrachloro-m-xylene [1]		105	30-150					11/12/12 18:55	
Tetrachloro-m-xylene [2]		106	30-150					11/12/12 18:55	

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Sampled: 10/26/2012 00:00

Field Sample #: 10-26 Soil 05-1

Sample ID: 12K0198-13

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	79.7		% Wt	1		SM 2540G	11/7/12	11/8/12 8:17	RH

Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 06-1

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-14

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	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:07	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:07	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:07	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:07	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:07	MJC
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:07	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:07	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:07	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:07	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		112	30-150					11/12/12 19:07	
Decachlorobiphenyl [2]		113	30-150					11/12/12 19:07	
Tetrachloro-m-xylene [1]		109	30-150					11/12/12 19:07	
Tetrachloro-m-xylene [2]		109	30-150					11/12/12 19:07	

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 06-1

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-14

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	89.5		% Wt	1		SM 2540G	11/7/12	11/8/12 8:17	RH

Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 07-1

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-15

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	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:20	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:20	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:20	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:20	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:20	MJC
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:20	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:20	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:20	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:20	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		106	30-150					11/12/12 19:20	
Decachlorobiphenyl [2]		111	30-150					11/12/12 19:20	
Tetrachloro-m-xylene [1]		106	30-150					11/12/12 19:20	
Tetrachloro-m-xylene [2]		105	30-150					11/12/12 19:20	

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Sampled: 10/26/2012 00:00

Field Sample #: 10-26 Soil 07-1

Sample ID: 12K0198-15

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	92.8		% Wt	1		SM 2540G	11/7/12	11/8/12 8:17	RH

Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 08-1

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-16

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	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:32	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:32	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:32	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:32	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:32	MJC
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:32	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:32	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:32	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:32	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		107	30-150					11/12/12 19:32	
Decachlorobiphenyl [2]		110	30-150					11/12/12 19:32	
Tetrachloro-m-xylene [1]		106	30-150					11/12/12 19:32	
Tetrachloro-m-xylene [2]		105	30-150					11/12/12 19:32	

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Sampled: 10/26/2012 00:00

Field Sample #: 10-26 Soil 08-1

Sample ID: 12K0198-16

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	88.0		% Wt	1		SM 2540G	11/7/12	11/8/12 8:17	RH

Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 09-1

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-17

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	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:44	MJC
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:44	MJC
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:44	MJC
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:44	MJC
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:44	MJC
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:44	MJC
Aroclor-1260 [1]	0.46	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:44	MJC
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:44	MJC
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:44	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		111	30-150					11/12/12 19:44	
Decachlorobiphenyl [2]		111	30-150					11/12/12 19:44	
Tetrachloro-m-xylene [1]		109	30-150					11/12/12 19:44	
Tetrachloro-m-xylene [2]		110	30-150					11/12/12 19:44	

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Sampled: 10/26/2012 00:00

Field Sample #: 10-26 Soil 09-1

Sample ID: 12K0198-17

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	68.7		% Wt	1		SM 2540G	11/7/12	11/8/12 8:17	RH

Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 10-1

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-18

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	0.17	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:57	MJC
Aroclor-1221 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:57	MJC
Aroclor-1232 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:57	MJC
Aroclor-1242 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:57	MJC
Aroclor-1248 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:57	MJC
Aroclor-1254 [1]	0.42	0.17	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:57	MJC
Aroclor-1260 [1]	0.87	0.17	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:57	MJC
Aroclor-1262 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:57	MJC
Aroclor-1268 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 19:57	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		104	30-150					11/12/12 19:57	
Decachlorobiphenyl [2]		105	30-150					11/12/12 19:57	
Tetrachloro-m-xylene [1]		103	30-150					11/12/12 19:57	
Tetrachloro-m-xylene [2]		103	30-150					11/12/12 19:57	

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 10-1

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-18

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	57.2		% Wt	1		SM 2540G	11/7/12	11/8/12 8:17	RH

Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 11-1

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-19

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	0.17	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:09	MJC
Aroclor-1221 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:09	MJC
Aroclor-1232 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:09	MJC
Aroclor-1242 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:09	MJC
Aroclor-1248 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:09	MJC
Aroclor-1254 [1]	0.23	0.17	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:09	MJC
Aroclor-1260 [1]	0.82	0.17	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:09	MJC
Aroclor-1262 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:09	MJC
Aroclor-1268 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:09	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		110	30-150					11/12/12 20:09	
Decachlorobiphenyl [2]		112	30-150					11/12/12 20:09	
Tetrachloro-m-xylene [1]		108	30-150					11/12/12 20:09	
Tetrachloro-m-xylene [2]		109	30-150					11/12/12 20:09	

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 11-1

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-19

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	58.2		% Wt	1		SM 2540G	11/7/12	11/8/12 8:17	RH

Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 12-1

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-20

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	0.16	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:21	MJC
Aroclor-1221 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:21	MJC
Aroclor-1232 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:21	MJC
Aroclor-1242 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:21	MJC
Aroclor-1248 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:21	MJC
Aroclor-1254 [2]	0.26	0.16	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:21	MJC
Aroclor-1260 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:21	MJC
Aroclor-1262 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:21	MJC
Aroclor-1268 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:21	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		104	30-150					11/12/12 20:21	
Decachlorobiphenyl [2]		104	30-150					11/12/12 20:21	
Tetrachloro-m-xylene [1]		103	30-150					11/12/12 20:21	
Tetrachloro-m-xylene [2]		103	30-150					11/12/12 20:21	

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Sampled: 10/26/2012 00:00

Field Sample #: 10-26 Soil 12-1

Sample ID: 12K0198-20

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	62.5		% Wt	1		SM 2540G	11/7/12	11/8/12 8:17	RH

Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 09-2

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-21

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	0.25	mg/Kg dry	10		SW-846 8082A	11/8/12	11/13/12 5:55	MJC
Aroclor-1221 [1]	ND	0.25	mg/Kg dry	10		SW-846 8082A	11/8/12	11/13/12 5:55	MJC
Aroclor-1232 [1]	ND	0.25	mg/Kg dry	10		SW-846 8082A	11/8/12	11/13/12 5:55	MJC
Aroclor-1242 [1]	ND	0.25	mg/Kg dry	10		SW-846 8082A	11/8/12	11/13/12 5:55	MJC
Aroclor-1248 [1]	ND	0.25	mg/Kg dry	10		SW-846 8082A	11/8/12	11/13/12 5:55	MJC
Aroclor-1254 [1]	0.83	0.25	mg/Kg dry	10		SW-846 8082A	11/8/12	11/13/12 5:55	MJC
Aroclor-1260 [2]	2.6	0.25	mg/Kg dry	10		SW-846 8082A	11/8/12	11/13/12 5:55	MJC
Aroclor-1262 [1]	ND	0.25	mg/Kg dry	10		SW-846 8082A	11/8/12	11/13/12 5:55	MJC
Aroclor-1268 [1]	ND	0.25	mg/Kg dry	10		SW-846 8082A	11/8/12	11/13/12 5:55	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		109	30-150					11/13/12 5:55	
Decachlorobiphenyl [2]		115	30-150					11/13/12 5:55	
Tetrachloro-m-xylene [1]		102	30-150					11/13/12 5:55	
Tetrachloro-m-xylene [2]		116	30-150					11/13/12 5:55	

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 09-2

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-21

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	77.5		% Wt	1		SM 2540G	11/7/12	11/8/12 8:17	RH

Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 10-2

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-22

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	11/8/12	11/12/12 20:00	MJC
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:00	MJC
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:00	MJC
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:00	MJC
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:00	MJC
Aroclor-1254 [1]	0.48	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:00	MJC
Aroclor-1260 [2]	1.6	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:00	MJC
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:00	MJC
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:00	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		96.9	30-150					11/12/12 20:00	
Decachlorobiphenyl [2]		106	30-150					11/12/12 20:00	
Tetrachloro-m-xylene [1]		87.3	30-150					11/12/12 20:00	
Tetrachloro-m-xylene [2]		100	30-150					11/12/12 20:00	

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 10-2

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-22

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	67.1		% Wt	1		SM 2540G	11/7/12	11/8/12 8:17	RH

Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 11-2

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-23

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	11/8/12	11/12/12 20:12	MJC
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:12	MJC
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:12	MJC
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:12	MJC
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:12	MJC
Aroclor-1254 [1]	0.23	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:12	MJC
Aroclor-1260 [2]	0.68	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:12	MJC
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:12	MJC
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:12	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	112	30-150							11/12/12 20:12
Decachlorobiphenyl [2]	124	30-150							11/12/12 20:12
Tetrachloro-m-xylene [1]	100	30-150							11/12/12 20:12
Tetrachloro-m-xylene [2]	112	30-150							11/12/12 20:12

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 11-2

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-23

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	72.3		% Wt	1		SM 2540G	11/7/12	11/8/12 8:17	RH

Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 12-2

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-24

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	11/8/12	11/12/12 20:25	MJC
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:25	MJC
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:25	MJC
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:25	MJC
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:25	MJC
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:25	MJC
Aroclor-1260 [2]	0.19	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:25	MJC
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:25	MJC
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:25	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		86.2	30-150					11/12/12 20:25	
Decachlorobiphenyl [2]		97.3	30-150					11/12/12 20:25	
Tetrachloro-m-xylene [1]		80.3	30-150					11/12/12 20:25	
Tetrachloro-m-xylene [2]		90.4	30-150					11/12/12 20:25	

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 12-2

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-24

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	70.2		% Wt	1		SM 2540G	11/7/12	11/8/12 8:17	RH

Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 09-3

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-25

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	11/8/12	11/12/12 20:38	MJC
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:38	MJC
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:38	MJC
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:38	MJC
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:38	MJC
Aroclor-1254 [1]	0.96	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:38	MJC
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:38	MJC
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:38	MJC
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 20:38	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		97.5	30-150					11/12/12 20:38	
Decachlorobiphenyl [2]		103	30-150					11/12/12 20:38	
Tetrachloro-m-xylene [1]		87.5	30-150					11/12/12 20:38	
Tetrachloro-m-xylene [2]		96.6	30-150					11/12/12 20:38	

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 09-3

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-25

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	83.1		% Wt	1		SM 2540G	11/7/12	11/8/12 8:17	RH

Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 10-3

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-26

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	0.49	mg/Kg dry	20		SW-846 8082A	11/8/12	11/13/12 6:08	MJC
Aroclor-1221 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	11/8/12	11/13/12 6:08	MJC
Aroclor-1232 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	11/8/12	11/13/12 6:08	MJC
Aroclor-1242 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	11/8/12	11/13/12 6:08	MJC
Aroclor-1248 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	11/8/12	11/13/12 6:08	MJC
Aroclor-1254 [1]	4.0	0.49	mg/Kg dry	20		SW-846 8082A	11/8/12	11/13/12 6:08	MJC
Aroclor-1260 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	11/8/12	11/13/12 6:08	MJC
Aroclor-1262 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	11/8/12	11/13/12 6:08	MJC
Aroclor-1268 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	11/8/12	11/13/12 6:08	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		109	30-150					11/13/12 6:08	
Decachlorobiphenyl [2]		114	30-150					11/13/12 6:08	
Tetrachloro-m-xylene [1]		103	30-150					11/13/12 6:08	
Tetrachloro-m-xylene [2]		114	30-150					11/13/12 6:08	

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 10-3

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-26

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	81.3		% Wt	1		SM 2540G	11/7/12	11/8/12 8:17	RH

Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 11-3

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-27

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	11/8/12	11/12/12 21:03	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 21:03	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 21:03	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 21:03	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 21:03	MJC
Aroclor-1254 [2]	0.18	0.11	mg/Kg dry	5	O-04	SW-846 8082A	11/8/12	11/12/12 21:03	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 21:03	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 21:03	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 21:03	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	86.1	30-150							11/12/12 21:03
Decachlorobiphenyl [2]	94.3	30-150							11/12/12 21:03
Tetrachloro-m-xylene [1]	80.9	30-150							11/12/12 21:03
Tetrachloro-m-xylene [2]	90.8	30-150							11/12/12 21:03

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 11-3

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-27

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	88.5		% Wt	1		SM 2540G	11/7/12	11/8/12 8:17	RH

Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 12-3

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-28

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	11/8/12	11/12/12 21:42	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 21:42	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 21:42	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 21:42	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 21:42	MJC
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 21:42	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 21:42	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 21:42	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 21:42	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		93.9	30-150					11/12/12 21:42	
Decachlorobiphenyl [2]		101	30-150					11/12/12 21:42	
Tetrachloro-m-xylene [1]		91.2	30-150					11/12/12 21:42	
Tetrachloro-m-xylene [2]		101	30-150					11/12/12 21:42	

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 12-3

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-28

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	85.1		% Wt	1		SM 2540G	11/7/12	11/8/12 8:17	RH

Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 09-4

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-29

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	11/8/12	11/12/12 21:55	MJC
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 21:55	MJC
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 21:55	MJC
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 21:55	MJC
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 21:55	MJC
Aroclor-1254 [2]	1.1	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 21:55	MJC
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 21:55	MJC
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 21:55	MJC
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 21:55	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		90.6	30-150					11/12/12 21:55	
Decachlorobiphenyl [2]		101	30-150					11/12/12 21:55	
Tetrachloro-m-xylene [1]		87.5	30-150					11/12/12 21:55	
Tetrachloro-m-xylene [2]		99.6	30-150					11/12/12 21:55	

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 09-4

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-29

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	76.5		% Wt	1		SM 2540G	11/7/12	11/8/12 8:17	RH

Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 10-4

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-30

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	11/8/12	11/12/12 22:07	MJC
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 22:07	MJC
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 22:07	MJC
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 22:07	MJC
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 22:07	MJC
Aroclor-1254 [2]	1.2	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 22:07	MJC
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 22:07	MJC
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 22:07	MJC
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 22:07	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		100	30-150					11/12/12 22:07	
Decachlorobiphenyl [2]		111	30-150					11/12/12 22:07	
Tetrachloro-m-xylene [1]		98.9	30-150					11/12/12 22:07	
Tetrachloro-m-xylene [2]		113	30-150					11/12/12 22:07	

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Sampled: 10/26/2012 00:00

Field Sample #: 10-26 Soil 10-4

Sample ID: 12K0198-30

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	78.5		% Wt	1		SM 2540G	11/7/12	11/8/12 8:17	RH

Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 11-4

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-31

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	11/8/12	11/12/12 22:20	MJC
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 22:20	MJC
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 22:20	MJC
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 22:20	MJC
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 22:20	MJC
Aroclor-1254 [2]	0.72	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 22:20	MJC
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 22:20	MJC
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 22:20	MJC
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 22:20	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		101	30-150					11/12/12 22:20	
Decachlorobiphenyl [2]		112	30-150					11/12/12 22:20	
Tetrachloro-m-xylene [1]		98.9	30-150					11/12/12 22:20	
Tetrachloro-m-xylene [2]		113	30-150					11/12/12 22:20	

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Sampled: 10/26/2012 00:00

Field Sample #: 10-26 Soil 11-4

Sample ID: 12K0198-31

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	79.6		% Wt	1		SM 2540G	11/7/12	11/8/12 8:17	RH

Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 12-4

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-32

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	11/8/12	11/12/12 22:33	MJC
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 22:33	MJC
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 22:33	MJC
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 22:33	MJC
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 22:33	MJC
Aroclor-1254 [1]	0.57	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 22:33	MJC
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 22:33	MJC
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 22:33	MJC
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 22:33	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		91.6	30-150					11/12/12 22:33	
Decachlorobiphenyl [2]		102	30-150					11/12/12 22:33	
Tetrachloro-m-xylene [1]		89.8	30-150					11/12/12 22:33	
Tetrachloro-m-xylene [2]		103	30-150					11/12/12 22:33	

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 12-4

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-32

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	77.0		% Wt	1		SM 2540G	11/7/12	11/8/12 8:17	RH

Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 13-1

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-33

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	0.10	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 22:46	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 22:46	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 22:46	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 22:46	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 22:46	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 22:46	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 22:46	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 22:46	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 22:46	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		91.0	30-150					11/12/12 22:46	
Decachlorobiphenyl [2]		98.4	30-150					11/12/12 22:46	
Tetrachloro-m-xylene [1]		89.7	30-150					11/12/12 22:46	
Tetrachloro-m-xylene [2]		101	30-150					11/12/12 22:46	

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 13-1

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-33

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	95.2		% Wt	1		SM 2540G	11/7/12	11/8/12 8:17	RH

Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 14-1

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-34

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	0.10	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 22:58	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 22:58	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 22:58	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 22:58	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 22:58	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 22:58	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 22:58	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 22:58	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 22:58	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		94.7	30-150					11/12/12 22:58	
Decachlorobiphenyl [2]		103	30-150					11/12/12 22:58	
Tetrachloro-m-xylene [1]		92.8	30-150					11/12/12 22:58	
Tetrachloro-m-xylene [2]		106	30-150					11/12/12 22:58	

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 14-1

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-34

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	96.2		% Wt	1		SM 2540G	11/7/12	11/8/12 8:17	RH

Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 15-1

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-35

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	11/8/12	11/12/12 23:11	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 23:11	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 23:11	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 23:11	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 23:11	MJC
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 23:11	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 23:11	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 23:11	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 23:11	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		97.6	30-150					11/12/12 23:11	
Decachlorobiphenyl [2]		104	30-150					11/12/12 23:11	
Tetrachloro-m-xylene [1]		92.7	30-150					11/12/12 23:11	
Tetrachloro-m-xylene [2]		106	30-150					11/12/12 23:11	

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Sampled: 10/26/2012 00:00

Field Sample #: 10-26 Soil 15-1

Sample ID: 12K0198-35

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	94.0		% Wt	1		SM 2540G	11/7/12	11/8/12 8:17	RH

Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 16-1

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-36

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	0.10	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 23:24	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 23:24	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 23:24	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 23:24	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 23:24	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 23:24	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 23:24	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 23:24	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	11/8/12	11/12/12 23:24	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		85.1	30-150					11/12/12 23:24	
Decachlorobiphenyl [2]		91.7	30-150					11/12/12 23:24	
Tetrachloro-m-xylene [1]		80.8	30-150					11/12/12 23:24	
Tetrachloro-m-xylene [2]		92.0	30-150					11/12/12 23:24	

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Project Location: Fairfield Ludlowe HS

Sample Description:

Work Order: 12K0198

Date Received: 11/6/2012

Field Sample #: 10-26 Soil 16-1

Sampled: 10/26/2012 00:00

Sample ID: 12K0198-36

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	94.4		% Wt	1		SM 2540G	11/7/12	11/8/12 8:17	RH

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

Lab Number [Field ID]	Batch	Date
12K0198-01 [10-26 Soil 01-1]	B062399	11/07/12
12K0198-02 [10-26 Soil 01-2]	B062399	11/07/12
12K0198-03 [10-26 Soil 01-3]	B062399	11/07/12
12K0198-04 [10-26 Soil 02-1]	B062399	11/07/12
12K0198-05 [10-26 Soil 02-2]	B062399	11/07/12
12K0198-06 [10-26 Soil 02-3]	B062399	11/07/12
12K0198-07 [10-26 Soil 03-1]	B062399	11/07/12
12K0198-08 [10-26 Soil 03-2]	B062399	11/07/12
12K0198-09 [10-26 Soil 03-3]	B062399	11/07/12
12K0198-10 [10-26 Soil 04-1]	B062399	11/07/12
12K0198-11 [10-26 Soil 04-2]	B062399	11/07/12
12K0198-12 [10-26 Soil 04-3]	B062399	11/07/12
12K0198-13 [10-26 Soil 05-1]	B062399	11/07/12
12K0198-14 [10-26 Soil 06-1]	B062399	11/07/12
12K0198-15 [10-26 Soil 07-1]	B062399	11/07/12
12K0198-16 [10-26 Soil 08-1]	B062399	11/07/12
12K0198-17 [10-26 Soil 09-1]	B062399	11/07/12
12K0198-18 [10-26 Soil 10-1]	B062399	11/07/12
12K0198-19 [10-26 Soil 11-1]	B062399	11/07/12
12K0198-20 [10-26 Soil 12-1]	B062399	11/07/12
12K0198-21 [10-26 Soil 09-2]	B062399	11/07/12
12K0198-22 [10-26 Soil 10-2]	B062399	11/07/12
12K0198-23 [10-26 Soil 11-2]	B062399	11/07/12
12K0198-24 [10-26 Soil 12-2]	B062399	11/07/12
12K0198-25 [10-26 Soil 09-3]	B062399	11/07/12
12K0198-26 [10-26 Soil 10-3]	B062399	11/07/12
12K0198-27 [10-26 Soil 11-3]	B062399	11/07/12
12K0198-28 [10-26 Soil 12-3]	B062399	11/07/12
12K0198-29 [10-26 Soil 09-4]	B062399	11/07/12
12K0198-30 [10-26 Soil 10-4]	B062399	11/07/12
12K0198-31 [10-26 Soil 11-4]	B062399	11/07/12
12K0198-32 [10-26 Soil 12-4]	B062399	11/07/12
12K0198-33 [10-26 Soil 13-1]	B062399	11/07/12
12K0198-34 [10-26 Soil 14-1]	B062399	11/07/12
12K0198-35 [10-26 Soil 15-1]	B062399	11/07/12
12K0198-36 [10-26 Soil 16-1]	B062399	11/07/12

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
12K0198-01 [10-26 Soil 01-1]	B062489	10.1	10.0	11/08/12
12K0198-02 [10-26 Soil 01-2]	B062489	10.3	10.0	11/08/12
12K0198-03 [10-26 Soil 01-3]	B062489	10.3	10.0	11/08/12
12K0198-04 [10-26 Soil 02-1]	B062489	10.2	10.0	11/08/12
12K0198-05 [10-26 Soil 02-2]	B062489	10.1	10.0	11/08/12
12K0198-06 [10-26 Soil 02-3]	B062489	10.3	10.0	11/08/12
12K0198-07 [10-26 Soil 03-1]	B062489	10.3	10.0	11/08/12
12K0198-08 [10-26 Soil 03-2]	B062489	10.3	10.0	11/08/12
12K0198-09 [10-26 Soil 03-3]	B062489	10.2	10.0	11/08/12
12K0198-10 [10-26 Soil 04-1]	B062489	10.3	10.0	11/08/12
12K0198-11 [10-26 Soil 04-2]	B062489	10.3	10.0	11/08/12
12K0198-12 [10-26 Soil 04-3]	B062489	10.1	10.0	11/08/12
12K0198-13 [10-26 Soil 05-1]	B062489	10.2	10.0	11/08/12
12K0198-14 [10-26 Soil 06-1]	B062489	10.3	10.0	11/08/12

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
12K0198-15 [10-26 Soil 07-1]	B062489	10.2	10.0	11/08/12
12K0198-16 [10-26 Soil 08-1]	B062489	10.2	10.0	11/08/12
12K0198-17 [10-26 Soil 09-1]	B062489	10.1	10.0	11/08/12
12K0198-18 [10-26 Soil 10-1]	B062489	10.1	10.0	11/08/12
12K0198-19 [10-26 Soil 11-1]	B062489	10.1	10.0	11/08/12
12K0198-20 [10-26 Soil 12-1]	B062489	10.0	10.0	11/08/12

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
12K0198-21 [10-26 Soil 09-2]	B062490	10.3	10.0	11/08/12
12K0198-22 [10-26 Soil 10-2]	B062490	10.3	10.0	11/08/12
12K0198-23 [10-26 Soil 11-2]	B062490	10.3	10.0	11/08/12
12K0198-24 [10-26 Soil 12-2]	B062490	10.3	10.0	11/08/12
12K0198-25 [10-26 Soil 09-3]	B062490	10.1	10.0	11/08/12
12K0198-26 [10-26 Soil 10-3]	B062490	10.1	10.0	11/08/12
12K0198-27 [10-26 Soil 11-3]	B062490	10.1	10.0	11/08/12
12K0198-28 [10-26 Soil 12-3]	B062490	10.3	10.0	11/08/12
12K0198-29 [10-26 Soil 09-4]	B062490	10.3	10.0	11/08/12
12K0198-30 [10-26 Soil 10-4]	B062490	10.1	10.0	11/08/12
12K0198-31 [10-26 Soil 11-4]	B062490	10.2	10.0	11/08/12
12K0198-32 [10-26 Soil 12-4]	B062490	10.3	10.0	11/08/12
12K0198-33 [10-26 Soil 13-1]	B062490	10.1	10.0	11/08/12
12K0198-34 [10-26 Soil 14-1]	B062490	10.3	10.0	11/08/12
12K0198-35 [10-26 Soil 15-1]	B062490	10.1	10.0	11/08/12
12K0198-36 [10-26 Soil 16-1]	B062490	10.1	10.0	11/08/12

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 B062489 - SW-846 3540C
Blank (B062489-BLK1)

Prepared: 11/08/12 Analyzed: 11/12/12

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	0.211		mg/Kg wet	0.200		106		30-150		
Surrogate: Decachlorobiphenyl [2C]	0.225		mg/Kg wet	0.200		113		30-150		
Surrogate: Tetrachloro-m-xylene	0.197		mg/Kg wet	0.200		98.7		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.202		mg/Kg wet	0.200		101		30-150		

LCS (B062489-BS1)

Prepared: 11/08/12 Analyzed: 11/12/12

Aroclor-1016	0.22	0.10	mg/Kg wet	0.200		108		40-140		
Aroclor-1016 [2C]	0.22	0.10	mg/Kg wet	0.200		109		40-140		
Aroclor-1260	0.22	0.10	mg/Kg wet	0.200		112		40-140		
Aroclor-1260 [2C]	0.21	0.10	mg/Kg wet	0.200		107		40-140		
Surrogate: Decachlorobiphenyl	0.224		mg/Kg wet	0.200		112		30-150		
Surrogate: Decachlorobiphenyl [2C]	0.232		mg/Kg wet	0.200		116		30-150		
Surrogate: Tetrachloro-m-xylene	0.207		mg/Kg wet	0.200		103		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.208		mg/Kg wet	0.200		104		30-150		

LCS Dup (B062489-BSD1)

Prepared: 11/08/12 Analyzed: 11/12/12

Aroclor-1016	0.22	0.10	mg/Kg wet	0.200		109		40-140	0.791	30
Aroclor-1016 [2C]	0.22	0.10	mg/Kg wet	0.200		111		40-140	2.23	30
Aroclor-1260	0.22	0.10	mg/Kg wet	0.200		108		40-140	3.98	30
Aroclor-1260 [2C]	0.21	0.10	mg/Kg wet	0.200		104		40-140	2.05	30
Surrogate: Decachlorobiphenyl	0.226		mg/Kg wet	0.200		113		30-150		
Surrogate: Decachlorobiphenyl [2C]	0.233		mg/Kg wet	0.200		116		30-150		
Surrogate: Tetrachloro-m-xylene	0.202		mg/Kg wet	0.200		101		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.203		mg/Kg wet	0.200		101		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 B062489 - SW-846 3540C

Matrix Spike (B062489-MS1)	Source: 12K0198-14			Prepared: 11/08/12 Analyzed: 11/12/12				
Aroclor-1016	0.22	0.11	mg/Kg dry	0.219	0.0	99.5	40-140	
Aroclor-1016 [2C]	0.25	0.11	mg/Kg dry	0.219	0.0	112	40-140	
Aroclor-1260	0.26	0.11	mg/Kg dry	0.219	0.0	117	40-140	
Aroclor-1260 [2C]	0.24	0.11	mg/Kg dry	0.219	0.0	112	40-140	
Surrogate: Decachlorobiphenyl	0.241		mg/Kg dry	0.219	110		30-150	
Surrogate: Decachlorobiphenyl [2C]	0.243		mg/Kg dry	0.219	111		30-150	
Surrogate: Tetrachloro-m-xylene	0.238		mg/Kg dry	0.219	108		30-150	
Surrogate: Tetrachloro-m-xylene [2C]	0.235		mg/Kg dry	0.219	107		30-150	
Matrix Spike Dup (B062489-MSD1)	Source: 12K0198-14			Prepared: 11/08/12 Analyzed: 11/12/12				
Aroclor-1016	0.24	0.11	mg/Kg dry	0.219	0.0	109	40-140	9.29
Aroclor-1016 [2C]	0.25	0.11	mg/Kg dry	0.219	0.0	114	40-140	1.28
Aroclor-1260	0.26	0.11	mg/Kg dry	0.219	0.0	120	40-140	1.81
Aroclor-1260 [2C]	0.26	0.11	mg/Kg dry	0.219	0.0	117	40-140	4.34
Surrogate: Decachlorobiphenyl	0.237		mg/Kg dry	0.219	108		30-150	
Surrogate: Decachlorobiphenyl [2C]	0.239		mg/Kg dry	0.219	109		30-150	
Surrogate: Tetrachloro-m-xylene	0.234		mg/Kg dry	0.219	107		30-150	
Surrogate: Tetrachloro-m-xylene [2C]	0.233		mg/Kg dry	0.219	106		30-150	

Batch B062490 - SW-846 3540C

Blank (B062490-BLK1)	Prepared: 11/08/12 Analyzed: 11/12/12				
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	0.190		mg/Kg wet	0.200	94.9
Surrogate: Decachlorobiphenyl [2C]	0.211		mg/Kg wet	0.200	105
Surrogate: Tetrachloro-m-xylene	0.147		mg/Kg wet	0.200	73.4
Surrogate: Tetrachloro-m-xylene [2C]	0.177		mg/Kg wet	0.200	88.3

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 B062490 - SW-846 3540C									
LCS (B062490-BS1) Prepared: 11/08/12 Analyzed: 11/12/12									
Aroclor-1016	0.20	0.10	mg/Kg wet	0.200	98.2	40-140			
Aroclor-1016 [2C]	0.20	0.10	mg/Kg wet	0.200	99.5	40-140			
Aroclor-1260	0.22	0.10	mg/Kg wet	0.200	109	40-140			
Aroclor-1260 [2C]	0.22	0.10	mg/Kg wet	0.200	108	40-140			
Surrogate: Decachlorobiphenyl	0.198		mg/Kg wet	0.200	99.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.208		mg/Kg wet	0.200	104	30-150			
Surrogate: Tetrachloro-m-xylene	0.161		mg/Kg wet	0.200	80.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.182		mg/Kg wet	0.200	90.8	30-150			
LCS Dup (B062490-BSD1) Prepared: 11/08/12 Analyzed: 11/12/12									
Aroclor-1016	0.20	0.10	mg/Kg wet	0.200	102	40-140	3.59	30	
Aroclor-1016 [2C]	0.20	0.10	mg/Kg wet	0.200	101	40-140	1.25	30	
Aroclor-1260	0.22	0.10	mg/Kg wet	0.200	109	40-140	0.119	30	
Aroclor-1260 [2C]	0.22	0.10	mg/Kg wet	0.200	112	40-140	3.90	30	
Surrogate: Decachlorobiphenyl	0.202		mg/Kg wet	0.200	101	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.211		mg/Kg wet	0.200	105	30-150			
Surrogate: Tetrachloro-m-xylene	0.163		mg/Kg wet	0.200	81.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.183		mg/Kg wet	0.200	91.6	30-150			
Matrix Spike (B062490-MS1) Source: 12K0198-33 Prepared: 11/08/12 Analyzed: 11/12/12									
Aroclor-1016	0.25	0.10	mg/Kg dry	0.206	0.0	121	40-140		
Aroclor-1016 [2C]	0.24	0.10	mg/Kg dry	0.206	0.0	117	40-140		
Aroclor-1260	0.26	0.10	mg/Kg dry	0.206	0.0	124	40-140		
Aroclor-1260 [2C]	0.26	0.10	mg/Kg dry	0.206	0.0	127	40-140		
Surrogate: Decachlorobiphenyl	0.215		mg/Kg dry	0.206	104	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.231		mg/Kg dry	0.206	112	30-150			
Surrogate: Tetrachloro-m-xylene	0.206		mg/Kg dry	0.206	100	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.234		mg/Kg dry	0.206	114	30-150			
Matrix Spike Dup (B062490-MSD1) Source: 12K0198-33 Prepared: 11/08/12 Analyzed: 11/12/12									
Aroclor-1016	0.23	0.10	mg/Kg dry	0.208	0.0	109	40-140	9.74	50
Aroclor-1016 [2C]	0.23	0.10	mg/Kg dry	0.208	0.0	112	40-140	3.50	50
Aroclor-1260	0.24	0.10	mg/Kg dry	0.208	0.0	115	40-140	6.35	50
Aroclor-1260 [2C]	0.24	0.10	mg/Kg dry	0.208	0.0	118	40-140	7.13	50
Surrogate: Decachlorobiphenyl	0.197		mg/Kg dry	0.208	94.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.211		mg/Kg dry	0.208	101	30-150			
Surrogate: Tetrachloro-m-xylene	0.192		mg/Kg dry	0.208	92.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.218		mg/Kg dry	0.208	105	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 B062399 - % Solids

Duplicate (B062399-DUP2)	Source: 12K0198-01	Prepared: 11/07/12 Analyzed: 11/08/12
% Solids	81.8	% Wt

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.

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



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 2 of 4

Company Name: <u>Anc Environmental</u>	Telephone: <u>123-4567</u>
Address: <u>622 Main St.</u>	Project #: <u>0405-12</u>
Attention: <u>Bridgeman, CT</u>	
Project Location: <u>Farmfield Ludlowe HS.</u>	
Sampled By: <u>J. Park</u>	
Project Proposal Provided? (for billing purposes) <input type="radio"/> Yes <input type="radio"/> No proposal date	
Client PO#	DATA DELIVERY (check all that apply)
Fax #	<input type="radio"/> FAX <input type="radio"/> EMAIL <input type="radio"/> WEBSITE
Email:	
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 (laboratory use only)	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab Code	*Matrix Code	Final Date
21	10-22 Soil 09-2				S		
22	10-22 Soil 10-2						
23	10-22 Soil 11-2						
24	10-22 Soil 12-2						
25	10-22 Soil 09-3						
26	10-22 Soil 10-3						
27	10-22 Soil 11-3						
28	10-22 Soil 12-3						
29	10-22 Soil 09-4						
30	10-22 Soil 10-4						

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.

Relinquished by: <u>Signature</u>	Date/Time: <u>11/6/12</u>	Turnaround #: <u>15-7-Day</u>	Detection Limit Requirements		Is your project MCP or RCP?	
Received by: <u>Signature</u>	Date/Time: <u>11/6/12</u>	Turnaround #: <u>10-Day</u>	<input type="radio"/> MCP Form Required	<input type="radio"/> RCP Form Required	<input type="radio"/> MA State DW Form Required	PWSID # <u>0405-12</u>
Released by: <u>Signature</u>	Date/Time: <u>11/6/12</u>	Turnaround #: <u>Other</u>	Massachusetts: <input type="checkbox"/> Connecticut: <u>✓ 1 ppm</u>		*Matrix Code: <u>GW=groundwater</u> <u>WW=wastewater</u> <u>DW=drinking water</u> <u>A=air</u> <u>S=soil/solid</u> <u>SL=sludge</u> <u>OL=other</u>	
Received by: <u>Signature</u>	Date/Time: <u>11/6/12</u>	Turnaround #: <u>RUSH†</u>	Connecticut: <u>✓ 1 ppm</u>			
Received by: <u>Signature</u>	Date/Time: <u>11/6/12</u>	Turnaround #: <u>†24-Hr</u> <input type="checkbox"/> <u>†48-Hr</u> <input type="checkbox"/> <u>†4-Day</u>				
Require lab approval!		Other:				

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT



MA State DW Form Required PWSID # 0405-12

Is your project MCP or RCP?

MCP Form Required
RCP Form Required
MA State DW Form Required PWSID # 0405-12

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



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Sample Receipt Checklist



CLIENT NAME: AMC

RECEIVED BY: WF

DATE: 11-6-12

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

2-8

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>36</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 _____	

January 18, 2013

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

Project Location: Ludlowe H.S. Interior

Client Job Number:

Project Number: [none]

Laboratory Work Order Number: 13A0326

Enclosed are results of analyses for samples received by the laboratory on January 11, 2013. 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: 13A0326

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

PROJECT LOCATION: Ludlowe H.S. Interior

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1-9 Soil 01-1	13A0326-01	Soil	Courtyard O/S Rm 157 8in	SM 2540G SW-846 8082A	
1-9 Soil 01-2	13A0326-02	Soil	Courtyard O/S Rm 149 8in	SM 2540G SW-846 8082A	
1-9 Soil 01-3	13A0326-03	Soil	Courtyard O/S Rm 282 8in	SM 2540G SW-846 8082A	
1-9 Soil 01-4	13A0326-04	Soil	Courtyard O/S Rm 266 8in	SM 2540G SW-846 8082A	
1-9 Soil 02-1	13A0326-05	Soil	Courtyard O/S Rm 157 16in	SM 2540G SW-846 8082A	
1-9 Soil 02-2	13A0326-06	Soil	Courtyard O/S Rm 149 16in	SM 2540G SW-846 8082A	
1-9 Soil 02-3	13A0326-07	Soil	Courtyard O/S Rm 282B 16in	SM 2540G SW-846 8082A	
1-9 Soil 02-4	13A0326-08	Soil	Courtyard O/S Rm 266 16in	SM 2540G SW-846 8082A	
1-9 Soil 03-1	13A0326-09	Soil	Courtyard O/S Rm 157 24in	SM 2540G SW-846 8082A	
1-9 Soil 03-2	13A0326-10	Soil	Courtyard O/S Rm 149 24in	SM 2540G SW-846 8082A	
1-9 Soil 03-3	13A0326-11	Soil	Courtyard O/S Rm 282B 24in	SM 2540G SW-846 8082A	
1-9 Soil 03-4	13A0326-12	Soil	Courtyard O/S Rm 266 24in	SM 2540G SW-846 8082A	
1-9 Soil 04-1	13A0326-13	Soil	Courtyard O/S Rm 115 8in	SM 2540G SW-846 8082A	
1-9 Soil 04-2	13A0326-14	Soil	Courtyard O/S Rm 116 8in	SM 2540G SW-846 8082A	
1-9 Soil 04-3	13A0326-15	Soil	Courtyard O/S Rm 163 8in	SM 2540G SW-846 8082A	
1-9 Soil 05-1	13A0326-16	Soil	Courtyard O/S Rm 115 16in	SM 2540G SW-846 8082A	
1-9 Soil 05-2	13A0326-17	Soil	Courtyard O/S Rm 116-P.G.- 16in	SM 2540G SW-846 8082A	
1-9 Soil 05-3	13A0326-18	Soil	Courtyard O/S Rm 163 16in	SM 2540G SW-846 8082A	
1-9 Soil 06-1	13A0326-19	Soil	Courtyard O/S Rm 115 24in	SM 2540G SW-846 8082A	
1-9 Soil 06-2	13A0326-20	Soil	Courtyard O/S Rm 116-P.G. 24in	SM 2540G SW-846 8082A	

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REPORT DATE: 1/18/2013

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

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 13A0326

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

PROJECT LOCATION: Ludlowe H.S. Interior

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1-9 Soil 03-3	13A0326-21	Soil	Courtyard O/S Rm 163 24in	SM 2540G SW-846 8082A	
1-9 01-1-Brick	13A0326-22	Brick	Full 2nd Course O/S Rm 149	SW-846 8082A	
1-9 02-1-Brick	13A0326-23	Brick	2nd Course O/S Rm 149	SW-846 8082A	
1-9 01-2-Brick	13A0326-24	Brick	Full 2nd Course O/S Rm 266	SW-846 8082A	
1-9 02-2-Brick	13A0326-25	Brick	2nd Course O/S Rm 266	SW-846 8082A	
1-9 03-1 Concrete	13A0326-26	Concrete	Concrete Col. 6in O/S Rm 138E	SW-846 8082A	
1-9 03-2 Concrete	13A0326-27	Concrete	Concrete Col. 6in O/S Rm 138E	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:

Elevated method reporting limit due to insufficient sample volume

Analyte & Samples(s) Qualified:

13A0326-27[1-9 03-2 Concrete]

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-1260, Aroclor-1260 [2C]

B066141-MS1, B066141-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]

13A0326-02[1-9 Soil 01-2], 13A0326-06[1-9 Soil 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

Project Location: Ludlowe H.S. Interior

Sample Description: Courtyard O/S Rm 157 8in

Work Order: 13A0326

Date Received: 1/11/2013

Field Sample #: 1-9 Soil 01-1

Sampled: 1/9/2013 00:00

Sample ID: 13A0326-01

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	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 14:04	MJC
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 14:04	MJC
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 14:04	MJC
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 14:04	MJC
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 14:04	MJC
Aroclor-1254 [2]	0.61	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 14:04	MJC
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 14:04	MJC
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 14:04	MJC
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 14:04	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	95.3	30-150							1/16/13 14:04
Decachlorobiphenyl [2]	95.0	30-150							1/16/13 14:04
Tetrachloro-m-xylene [1]	93.3	30-150							1/16/13 14:04
Tetrachloro-m-xylene [2]	94.0	30-150							1/16/13 14:04

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Project Location: Ludlowe H.S. Interior

Sample Description: Courtyard O/S Rm 157 8in

Work Order: 13A0326

Date Received: 1/11/2013

Field Sample #: 1-9 Soil 01-1

Sampled: 1/9/2013 00:00

Sample ID: 13A0326-01

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	84.4		% Wt	1		SM 2540G	1/14/13	1/15/13 8:16	RH

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Project Location: Ludlowe H.S. Interior

Sample Description: Courtyard O/S Rm 149 8in

Work Order: 13A0326

Date Received: 1/11/2013

Sampled: 1/9/2013 00:00

Field Sample #: 1-9 Soil 01-2

Sample ID: 13A0326-02

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	1.3	mg/Kg dry	50		SW-846 8082A	1/14/13	1/17/13 9:56	PJG
Aroclor-1221 [1]	ND	1.3	mg/Kg dry	50		SW-846 8082A	1/14/13	1/17/13 9:56	PJG
Aroclor-1232 [1]	ND	1.3	mg/Kg dry	50		SW-846 8082A	1/14/13	1/17/13 9:56	PJG
Aroclor-1242 [1]	ND	1.3	mg/Kg dry	50		SW-846 8082A	1/14/13	1/17/13 9:56	PJG
Aroclor-1248 [1]	ND	1.3	mg/Kg dry	50		SW-846 8082A	1/14/13	1/17/13 9:56	PJG
Aroclor-1254 [2]	8.6	1.3	mg/Kg dry	50		SW-846 8082A	1/14/13	1/17/13 9:56	PJG
Aroclor-1260 [1]	ND	1.3	mg/Kg dry	50		SW-846 8082A	1/14/13	1/17/13 9:56	PJG
Aroclor-1262 [1]	ND	1.3	mg/Kg dry	50		SW-846 8082A	1/14/13	1/17/13 9:56	PJG
Aroclor-1268 [1]	ND	1.3	mg/Kg dry	50		SW-846 8082A	1/14/13	1/17/13 9:56	PJG
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	*	30-150		S-01					1/17/13 9:56
Decachlorobiphenyl [2]	*	30-150		S-01					1/17/13 9:56
Tetrachloro-m-xylene [1]	*	30-150		S-01					1/17/13 9:56
Tetrachloro-m-xylene [2]	*	30-150		S-01					1/17/13 9:56

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Project Location: Ludlowe H.S. Interior

Sample Description: Courtyard O/S Rm 149 8in

Work Order: 13A0326

Date Received: 1/11/2013

Field Sample #: 1-9 Soil 01-2

Sampled: 1/9/2013 00:00

Sample ID: 13A0326-02

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	76.7		% Wt	1		SM 2540G	1/14/13	1/15/13 8:16	RH

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Project Location: Ludlowe H.S. Interior

Sample Description: Courtyard O/S Rm 282 8in

Work Order: 13A0326

Date Received: 1/11/2013

Field Sample #: 1-9 Soil 01-3

Sampled: 1/9/2013 00:00

Sample ID: 13A0326-03

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	0.11	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 14:29	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 14:29	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 14:29	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 14:29	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 14:29	MJC
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 14:29	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 14:29	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 14:29	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 14:29	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	93.3	30-150						1/16/13 14:29	
Decachlorobiphenyl [2]	93.0	30-150						1/16/13 14:29	
Tetrachloro-m-xylene [1]	91.9	30-150						1/16/13 14:29	
Tetrachloro-m-xylene [2]	92.1	30-150						1/16/13 14:29	

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Project Location: Ludlowe H.S. Interior

Sample Description: Courtyard O/S Rm 282 8in

Work Order: 13A0326

Date Received: 1/11/2013

Field Sample #: 1-9 Soil 01-3

Sampled: 1/9/2013 00:00

Sample ID: 13A0326-03

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	88.9		% Wt	1		SM 2540G	1/14/13	1/15/13 8:16	RH

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Project Location: Ludlowe H.S. Interior

Sample Description: Courtyard O/S Rm 266 8in

Work Order: 13A0326

Date Received: 1/11/2013

Field Sample #: 1-9 Soil 01-4

Sampled: 1/9/2013 00:00

Sample ID: 13A0326-04

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	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 14:41	MJC
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 14:41	MJC
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 14:41	MJC
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 14:41	MJC
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 14:41	MJC
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 14:41	MJC
Aroclor-1260 [2]	0.45	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 14:41	MJC
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 14:41	MJC
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 14:41	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	93.3	30-150					1/16/13 14:41		
Decachlorobiphenyl [2]	91.5	30-150					1/16/13 14:41		
Tetrachloro-m-xylene [1]	91.9	30-150					1/16/13 14:41		
Tetrachloro-m-xylene [2]	90.3	30-150					1/16/13 14:41		

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Project Location: Ludlowe H.S. Interior

Sample Description: Courtyard O/S Rm 266 8in

Work Order: 13A0326

Date Received: 1/11/2013

Field Sample #: 1-9 Soil 01-4

Sampled: 1/9/2013 00:00

Sample ID: 13A0326-04

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	80.9		% Wt	1		SM 2540G	1/14/13	1/15/13 8:16	RH

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Project Location: Ludlowe H.S. Interior

Sample Description: Courtyard O/S Rm 157 16in

Work Order: 13A0326

Date Received: 1/11/2013

Sampled: 1/9/2013 00:00

Field Sample #: 1-9 Soil 02-1

Sample ID: 13A0326-05

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	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 14:54	MJC
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 14:54	MJC
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 14:54	MJC
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 14:54	MJC
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 14:54	MJC
Aroclor-1254 [2]	0.56	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 14:54	MJC
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 14:54	MJC
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 14:54	MJC
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 14:54	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	89.9	30-150							1/16/13 14:54
Decachlorobiphenyl [2]	86.6	30-150							1/16/13 14:54
Tetrachloro-m-xylene [1]	86.0	30-150							1/16/13 14:54
Tetrachloro-m-xylene [2]	83.6	30-150							1/16/13 14:54

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Project Location: Ludlowe H.S. Interior

Sample Description: Courtyard O/S Rm 157 16in

Work Order: 13A0326

Date Received: 1/11/2013

Field Sample #: 1-9 Soil 02-1

Sampled: 1/9/2013 00:00

Sample ID: 13A0326-05

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	85.6		% Wt	1		SM 2540G	1/14/13	1/15/13 8:16	RH

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Project Location: Ludlowe H.S. Interior

Sample Description: Courtyard O/S Rm 149 16in

Work Order: 13A0326

Date Received: 1/11/2013

Sampled: 1/9/2013 00:00

Field Sample #: 1-9 Soil 02-2

Sample ID: 13A0326-06

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	1.3	mg/Kg dry	50		SW-846 8082A	1/14/13	1/17/13 10:08	PJG
Aroclor-1221 [1]	ND	1.3	mg/Kg dry	50		SW-846 8082A	1/14/13	1/17/13 10:08	PJG
Aroclor-1232 [1]	ND	1.3	mg/Kg dry	50		SW-846 8082A	1/14/13	1/17/13 10:08	PJG
Aroclor-1242 [1]	ND	1.3	mg/Kg dry	50		SW-846 8082A	1/14/13	1/17/13 10:08	PJG
Aroclor-1248 [1]	ND	1.3	mg/Kg dry	50		SW-846 8082A	1/14/13	1/17/13 10:08	PJG
Aroclor-1254 [2]	7.9	1.3	mg/Kg dry	50		SW-846 8082A	1/14/13	1/17/13 10:08	PJG
Aroclor-1260 [1]	ND	1.3	mg/Kg dry	50		SW-846 8082A	1/14/13	1/17/13 10:08	PJG
Aroclor-1262 [1]	ND	1.3	mg/Kg dry	50		SW-846 8082A	1/14/13	1/17/13 10:08	PJG
Aroclor-1268 [1]	ND	1.3	mg/Kg dry	50		SW-846 8082A	1/14/13	1/17/13 10:08	PJG
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01				1/17/13 10:08
Decachlorobiphenyl [2]	*		30-150		S-01				1/17/13 10:08
Tetrachloro-m-xylene [1]	*		30-150		S-01				1/17/13 10:08
Tetrachloro-m-xylene [2]	*		30-150		S-01				1/17/13 10:08

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

Project Location: Ludlowe H.S. Interior

Sample Description: Courtyard O/S Rm 149 16in

Work Order: 13A0326

Date Received: 1/11/2013

Field Sample #: 1-9 Soil 02-2

Sampled: 1/9/2013 00:00

Sample ID: 13A0326-06

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	77.6		% Wt	1		SM 2540G	1/14/13	1/15/13 8:16	RH

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Project Location: Ludlowe H.S. Interior

Sample Description: Courtyard O/S Rm 282B 16in

Work Order: 13A0326

Date Received: 1/11/2013

Sampled: 1/9/2013 00:00

Field Sample #: 1-9 Soil 02-3

Sample ID: 13A0326-07

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	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 15:19	MJC
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 15:19	MJC
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 15:19	MJC
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 15:19	MJC
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 15:19	MJC
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 15:19	MJC
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 15:19	MJC
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 15:19	MJC
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 15:19	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	95.4	30-150							1/16/13 15:19
Decachlorobiphenyl [2]	92.9	30-150							1/16/13 15:19
Tetrachloro-m-xylene [1]	92.4	30-150							1/16/13 15:19
Tetrachloro-m-xylene [2]	90.4	30-150							1/16/13 15:19

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

Project Location: Ludlowe H.S. Interior

Sample Description: Courtyard O/S Rm 282B 16in

Work Order: 13A0326

Date Received: 1/11/2013

Field Sample #: 1-9 Soil 02-3

Sampled: 1/9/2013 00:00

Sample ID: 13A0326-07

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	85.3		% Wt	1		SM 2540G	1/14/13	1/15/13 8:16	RH

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

Project Location: Ludlowe H.S. Interior

Sample Description: Courtyard O/S Rm 266 16in

Work Order: 13A0326

Date Received: 1/11/2013

Sampled: 1/9/2013 00:00

Field Sample #: 1-9 Soil 02-4

Sample ID: 13A0326-08

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	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 15:31	MJC
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 15:31	MJC
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 15:31	MJC
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 15:31	MJC
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 15:31	MJC
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 15:31	MJC
Aroclor-1260 [2]	0.30	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 15:31	MJC
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 15:31	MJC
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 15:31	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	87.1	30-150							1/16/13 15:31
Decachlorobiphenyl [2]	85.6	30-150							1/16/13 15:31
Tetrachloro-m-xylene [1]	72.3	30-150							1/16/13 15:31
Tetrachloro-m-xylene [2]	71.8	30-150							1/16/13 15:31

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

Project Location: Ludlowe H.S. Interior

Sample Description: Courtyard O/S Rm 266 16in

Work Order: 13A0326

Date Received: 1/11/2013

Field Sample #: 1-9 Soil 02-4

Sampled: 1/9/2013 00:00

Sample ID: 13A0326-08

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	81.9		% Wt	1		SM 2540G	1/14/13	1/15/13 8:16	RH

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

Project Location: Ludlowe H.S. Interior

Sample Description: Courtyard O/S Rm 157 24in

Work Order: 13A0326

Date Received: 1/11/2013

Field Sample #: 1-9 Soil 03-1

Sampled: 1/9/2013 00:00

Sample ID: 13A0326-09

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	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 15:43	MJC
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 15:43	MJC
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 15:43	MJC
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 15:43	MJC
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 15:43	MJC
Aroclor-1254 [2]	1.0	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 15:43	MJC
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 15:43	MJC
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 15:43	MJC
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 15:43	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	100	30-150							1/16/13 15:43
Decachlorobiphenyl [2]	96.8	30-150							1/16/13 15:43
Tetrachloro-m-xylene [1]	100	30-150							1/16/13 15:43
Tetrachloro-m-xylene [2]	99.8	30-150							1/16/13 15:43

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

Project Location: Ludlowe H.S. Interior

Sample Description: Courtyard O/S Rm 157 24in

Work Order: 13A0326

Date Received: 1/11/2013

Field Sample #: 1-9 Soil 03-1

Sampled: 1/9/2013 00:00

Sample ID: 13A0326-09

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	84.9		% Wt	1		SM 2540G	1/14/13	1/15/13 8:16	RH

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Project Location: Ludlowe H.S. Interior

Sample Description: Courtyard O/S Rm 149 24in

Work Order: 13A0326

Date Received: 1/11/2013

Sampled: 1/9/2013 00:00

Field Sample #: 1-9 Soil 03-2

Sample ID: 13A0326-10

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	0.24	mg/Kg dry	10		SW-846 8082A	1/14/13	1/17/13 10:20	PJG
Aroclor-1221 [1]	ND	0.24	mg/Kg dry	10		SW-846 8082A	1/14/13	1/17/13 10:20	PJG
Aroclor-1232 [1]	ND	0.24	mg/Kg dry	10		SW-846 8082A	1/14/13	1/17/13 10:20	PJG
Aroclor-1242 [1]	ND	0.24	mg/Kg dry	10		SW-846 8082A	1/14/13	1/17/13 10:20	PJG
Aroclor-1248 [1]	ND	0.24	mg/Kg dry	10		SW-846 8082A	1/14/13	1/17/13 10:20	PJG
Aroclor-1254 [2]	1.7	0.24	mg/Kg dry	10		SW-846 8082A	1/14/13	1/17/13 10:20	PJG
Aroclor-1260 [1]	ND	0.24	mg/Kg dry	10		SW-846 8082A	1/14/13	1/17/13 10:20	PJG
Aroclor-1262 [1]	ND	0.24	mg/Kg dry	10		SW-846 8082A	1/14/13	1/17/13 10:20	PJG
Aroclor-1268 [1]	ND	0.24	mg/Kg dry	10		SW-846 8082A	1/14/13	1/17/13 10:20	PJG
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	93.7	30-150							1/17/13 10:20
Decachlorobiphenyl [2]	92.7	30-150							1/17/13 10:20
Tetrachloro-m-xylene [1]	87.6	30-150							1/17/13 10:20
Tetrachloro-m-xylene [2]	88.9	30-150							1/17/13 10:20

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

Project Location: Ludlowe H.S. Interior

Sample Description: Courtyard O/S Rm 149 24in

Work Order: 13A0326

Date Received: 1/11/2013

Field Sample #: 1-9 Soil 03-2

Sampled: 1/9/2013 00:00

Sample ID: 13A0326-10

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	79.7		% Wt	1		SM 2540G	1/14/13	1/15/13 8:16	RH

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Project Location: Ludlowe H.S. Interior

Sample Description: Courtyard O/S Rm 282B 24in

Work Order: 13A0326

Date Received: 1/11/2013

Sampled: 1/9/2013 00:00

Field Sample #: 1-9 Soil 03-3

Sample ID: 13A0326-11

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	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 16:43	MJC
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 16:43	MJC
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 16:43	MJC
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 16:43	MJC
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 16:43	MJC
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 16:43	MJC
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 16:43	MJC
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 16:43	MJC
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 16:43	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	94.2	30-150							1/16/13 16:43
Decachlorobiphenyl [2]	90.6	30-150							1/16/13 16:43
Tetrachloro-m-xylene [1]	92.0	30-150							1/16/13 16:43
Tetrachloro-m-xylene [2]	90.0	30-150							1/16/13 16:43

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

Project Location: Ludlowe H.S. Interior

Sample Description: Courtyard O/S Rm 282B 24in

Work Order: 13A0326

Date Received: 1/11/2013

Field Sample #: 1-9 Soil 03-3

Sampled: 1/9/2013 00:00

Sample ID: 13A0326-11

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	83.1		% Wt	1		SM 2540G	1/14/13	1/15/13 8:16	RH

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Project Location: Ludlowe H.S. Interior

Sample Description: Courtyard O/S Rm 266 24in

Work Order: 13A0326

Date Received: 1/11/2013

Sampled: 1/9/2013 00:00

Field Sample #: 1-9 Soil 03-4

Sample ID: 13A0326-12

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	0.13	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 16:55	MJC
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 16:55	MJC
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 16:55	MJC
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 16:55	MJC
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 16:55	MJC
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 16:55	MJC
Aroclor-1260 [2]	0.23	0.13	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 16:55	MJC
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 16:55	MJC
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 16:55	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	91.4	30-150						1/16/13 16:55	
Decachlorobiphenyl [2]	90.1	30-150						1/16/13 16:55	
Tetrachloro-m-xylene [1]	91.1	30-150						1/16/13 16:55	
Tetrachloro-m-xylene [2]	90.6	30-150						1/16/13 16:55	

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Project Location: Ludlowe H.S. Interior

Sample Description: Courtyard O/S Rm 266 24in

Work Order: 13A0326

Date Received: 1/11/2013

Field Sample #: 1-9 Soil 03-4

Sampled: 1/9/2013 00:00

Sample ID: 13A0326-12

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	78.8		% Wt	1		SM 2540G	1/14/13	1/15/13 8:16	RH

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Project Location: Ludlowe H.S. Interior

Sample Description: Courtyard O/S Rm 115 8in

Work Order: 13A0326

Date Received: 1/11/2013

Sampled: 1/9/2013 00:00

Field Sample #: 1-9 Soil 04-1

Sample ID: 13A0326-13

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	0.61	mg/Kg dry	25		SW-846 8082A	1/14/13	1/17/13 10:33	PJG
Aroclor-1221 [1]	ND	0.61	mg/Kg dry	25		SW-846 8082A	1/14/13	1/17/13 10:33	PJG
Aroclor-1232 [1]	ND	0.61	mg/Kg dry	25		SW-846 8082A	1/14/13	1/17/13 10:33	PJG
Aroclor-1242 [1]	ND	0.61	mg/Kg dry	25		SW-846 8082A	1/14/13	1/17/13 10:33	PJG
Aroclor-1248 [1]	ND	0.61	mg/Kg dry	25		SW-846 8082A	1/14/13	1/17/13 10:33	PJG
Aroclor-1254 [2]	5.1	0.61	mg/Kg dry	25		SW-846 8082A	1/14/13	1/17/13 10:33	PJG
Aroclor-1260 [1]	ND	0.61	mg/Kg dry	25		SW-846 8082A	1/14/13	1/17/13 10:33	PJG
Aroclor-1262 [1]	ND	0.61	mg/Kg dry	25		SW-846 8082A	1/14/13	1/17/13 10:33	PJG
Aroclor-1268 [1]	ND	0.61	mg/Kg dry	25		SW-846 8082A	1/14/13	1/17/13 10:33	PJG
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	97.7		30-150					1/17/13 10:33	
Decachlorobiphenyl [2]	95.5		30-150					1/17/13 10:33	
Tetrachloro-m-xylene [1]	85.4		30-150					1/17/13 10:33	
Tetrachloro-m-xylene [2]	85.9		30-150					1/17/13 10:33	

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Project Location: Ludlowe H.S. Interior

Sample Description: Courtyard O/S Rm 115 8in

Work Order: 13A0326

Date Received: 1/11/2013

Field Sample #: 1-9 Soil 04-1

Sampled: 1/9/2013 00:00

Sample ID: 13A0326-13

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	80.9		% Wt	1		SM 2540G	1/14/13	1/15/13 8:16	RH

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Project Location: Ludlowe H.S. Interior

Sample Description: Courtyard O/S Rm 116 8in

Work Order: 13A0326

Date Received: 1/11/2013

Sampled: 1/9/2013 00:00

Field Sample #: 1-9 Soil 04-2

Sample ID: 13A0326-14

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	0.33	mg/Kg dry	5		SW-846 8082A	1/14/13	1/17/13 10:45	PJG
Aroclor-1221 [1]	ND	0.33	mg/Kg dry	5		SW-846 8082A	1/14/13	1/17/13 10:45	PJG
Aroclor-1232 [1]	ND	0.33	mg/Kg dry	5		SW-846 8082A	1/14/13	1/17/13 10:45	PJG
Aroclor-1242 [1]	ND	0.33	mg/Kg dry	5		SW-846 8082A	1/14/13	1/17/13 10:45	PJG
Aroclor-1248 [1]	ND	0.33	mg/Kg dry	5		SW-846 8082A	1/14/13	1/17/13 10:45	PJG
Aroclor-1254 [2]	0.39	0.33	mg/Kg dry	5		SW-846 8082A	1/14/13	1/17/13 10:45	PJG
Aroclor-1260 [1]	ND	0.33	mg/Kg dry	5		SW-846 8082A	1/14/13	1/17/13 10:45	PJG
Aroclor-1262 [1]	ND	0.33	mg/Kg dry	5		SW-846 8082A	1/14/13	1/17/13 10:45	PJG
Aroclor-1268 [1]	ND	0.33	mg/Kg dry	5		SW-846 8082A	1/14/13	1/17/13 10:45	PJG
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	93.6	30-150							1/17/13 10:45
Decachlorobiphenyl [2]	92.0	30-150							1/17/13 10:45
Tetrachloro-m-xylene [1]	93.0	30-150							1/17/13 10:45
Tetrachloro-m-xylene [2]	94.5	30-150							1/17/13 10:45

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Project Location: Ludlowe H.S. Interior

Sample Description: Courtyard O/S Rm 116 8in

Work Order: 13A0326

Date Received: 1/11/2013

Field Sample #: 1-9 Soil 04-2

Sampled: 1/9/2013 00:00

Sample ID: 13A0326-14

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	29.6		% Wt	1		SM 2540G	1/14/13	1/15/13 8:16	RH

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Project Location: Ludlowe H.S. Interior

Sample Description: Courtyard O/S Rm 163 8in

Work Order: 13A0326

Date Received: 1/11/2013

Sampled: 1/9/2013 00:00

Field Sample #: 1-9 Soil 04-3

Sample ID: 13A0326-15

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	1/14/13	1/16/13 17:32	MJC
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 17:32	MJC
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 17:32	MJC
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 17:32	MJC
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 17:32	MJC
Aroclor-1254 [2]	1.1	0.13	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 17:32	MJC
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 17:32	MJC
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 17:32	MJC
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 17:32	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	90.8	30-150							1/16/13 17:32
Decachlorobiphenyl [2]	85.3	30-150							1/16/13 17:32
Tetrachloro-m-xylene [1]	91.0	30-150							1/16/13 17:32
Tetrachloro-m-xylene [2]	86.2	30-150							1/16/13 17:32

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Project Location: Ludlowe H.S. Interior

Sample Description: Courtyard O/S Rm 163 8in

Work Order: 13A0326

Date Received: 1/11/2013

Field Sample #: 1-9 Soil 04-3

Sampled: 1/9/2013 00:00

Sample ID: 13A0326-15

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	77.4		% Wt	1		SM 2540G	1/14/13	1/15/13 8:16	RH

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

Project Location: Ludlowe H.S. Interior

Sample Description: Courtyard O/S Rm 115 16in

Work Order: 13A0326

Date Received: 1/11/2013

Sampled: 1/9/2013 00:00

Field Sample #: 1-9 Soil 05-1

Sample ID: 13A0326-16

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	0.62	mg/Kg dry	25		SW-846 8082A	1/14/13	1/17/13 10:57	PJG
Aroclor-1221 [1]	ND	0.62	mg/Kg dry	25		SW-846 8082A	1/14/13	1/17/13 10:57	PJG
Aroclor-1232 [1]	ND	0.62	mg/Kg dry	25		SW-846 8082A	1/14/13	1/17/13 10:57	PJG
Aroclor-1242 [1]	ND	0.62	mg/Kg dry	25		SW-846 8082A	1/14/13	1/17/13 10:57	PJG
Aroclor-1248 [1]	ND	0.62	mg/Kg dry	25		SW-846 8082A	1/14/13	1/17/13 10:57	PJG
Aroclor-1254 [2]	4.2	0.62	mg/Kg dry	25		SW-846 8082A	1/14/13	1/17/13 10:57	PJG
Aroclor-1260 [1]	ND	0.62	mg/Kg dry	25		SW-846 8082A	1/14/13	1/17/13 10:57	PJG
Aroclor-1262 [1]	ND	0.62	mg/Kg dry	25		SW-846 8082A	1/14/13	1/17/13 10:57	PJG
Aroclor-1268 [1]	ND	0.62	mg/Kg dry	25		SW-846 8082A	1/14/13	1/17/13 10:57	PJG
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	98.1	30-150							1/17/13 10:57
Decachlorobiphenyl [2]	98.0	30-150							1/17/13 10:57
Tetrachloro-m-xylene [1]	87.1	30-150							1/17/13 10:57
Tetrachloro-m-xylene [2]	88.8	30-150							1/17/13 10:57

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

Project Location: Ludlowe H.S. Interior

Sample Description: Courtyard O/S Rm 115 16in

Work Order: 13A0326

Date Received: 1/11/2013

Field Sample #: 1-9 Soil 05-1

Sampled: 1/9/2013 00:00

Sample ID: 13A0326-16

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	78.9		% Wt	1		SM 2540G	1/14/13	1/15/13 8:16	RH

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

Project Location: Ludlowe H.S. Interior

Sample Description: Courtyard O/S Rm 116-P.G.- 16in

Work Order: 13A0326

Date Received: 1/11/2013

Sampled: 1/9/2013 00:00

Field Sample #: 1-9 Soil 05-2

Sample ID: 13A0326-17

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	0.37	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 17:57	MJC
Aroclor-1221 [1]	ND	0.37	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 17:57	MJC
Aroclor-1232 [1]	ND	0.37	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 17:57	MJC
Aroclor-1242 [1]	ND	0.37	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 17:57	MJC
Aroclor-1248 [1]	ND	0.37	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 17:57	MJC
Aroclor-1254 [1]	ND	0.37	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 17:57	MJC
Aroclor-1260 [1]	ND	0.37	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 17:57	MJC
Aroclor-1262 [1]	ND	0.37	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 17:57	MJC
Aroclor-1268 [1]	ND	0.37	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 17:57	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	89.2	30-150							1/16/13 17:57
Decachlorobiphenyl [2]	89.4	30-150							1/16/13 17:57
Tetrachloro-m-xylene [1]	87.5	30-150							1/16/13 17:57
Tetrachloro-m-xylene [2]	88.7	30-150							1/16/13 17:57

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

Project Location: Ludlowe H.S. Interior

Sample Description: Courtyard O/S Rm 116-P.G.- 16in

Work Order: 13A0326

Date Received: 1/11/2013

Field Sample #: 1-9 Soil 05-2

Sampled: 1/9/2013 00:00

Sample ID: 13A0326-17

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	26.8		% Wt	1		SM 2540G	1/14/13	1/15/13 8:16	RH

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

Project Location: Ludlowe H.S. Interior

Sample Description: Courtyard O/S Rm 163 16in

Work Order: 13A0326

Date Received: 1/11/2013

Sampled: 1/9/2013 00:00

Field Sample #: 1-9 Soil 05-3

Sample ID: 13A0326-18

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	0.13	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 18:09	MJC
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 18:09	MJC
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 18:09	MJC
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 18:09	MJC
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 18:09	MJC
Aroclor-1254 [2]	0.44	0.13	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 18:09	MJC
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 18:09	MJC
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 18:09	MJC
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 18:09	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	90.6	30-150							1/16/13 18:09
Decachlorobiphenyl [2]	86.7	30-150							1/16/13 18:09
Tetrachloro-m-xylene [1]	90.3	30-150							1/16/13 18:09
Tetrachloro-m-xylene [2]	86.8	30-150							1/16/13 18:09

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

Project Location: Ludlowe H.S. Interior

Sample Description: Courtyard O/S Rm 163 16in

Work Order: 13A0326

Date Received: 1/11/2013

Field Sample #: 1-9 Soil 05-3

Sampled: 1/9/2013 00:00

Sample ID: 13A0326-18

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	76.3		% Wt	1		SM 2540G	1/14/13	1/15/13 8:16	RH

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Project Location: Ludlowe H.S. Interior

Sample Description: Courtyard O/S Rm 115 24in

Work Order: 13A0326

Date Received: 1/11/2013

Sampled: 1/9/2013 00:00

Field Sample #: 1-9 Soil 06-1

Sample ID: 13A0326-19

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	0.63	mg/Kg dry	25		SW-846 8082A	1/14/13	1/17/13 11:10	PJG
Aroclor-1221 [1]	ND	0.63	mg/Kg dry	25		SW-846 8082A	1/14/13	1/17/13 11:10	PJG
Aroclor-1232 [1]	ND	0.63	mg/Kg dry	25		SW-846 8082A	1/14/13	1/17/13 11:10	PJG
Aroclor-1242 [1]	ND	0.63	mg/Kg dry	25		SW-846 8082A	1/14/13	1/17/13 11:10	PJG
Aroclor-1248 [1]	ND	0.63	mg/Kg dry	25		SW-846 8082A	1/14/13	1/17/13 11:10	PJG
Aroclor-1254 [2]	5.0	0.63	mg/Kg dry	25		SW-846 8082A	1/14/13	1/17/13 11:10	PJG
Aroclor-1260 [1]	ND	0.63	mg/Kg dry	25		SW-846 8082A	1/14/13	1/17/13 11:10	PJG
Aroclor-1262 [1]	ND	0.63	mg/Kg dry	25		SW-846 8082A	1/14/13	1/17/13 11:10	PJG
Aroclor-1268 [1]	ND	0.63	mg/Kg dry	25		SW-846 8082A	1/14/13	1/17/13 11:10	PJG
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	96.0		30-150					1/17/13 11:10	
Decachlorobiphenyl [2]	96.8		30-150					1/17/13 11:10	
Tetrachloro-m-xylene [1]	85.8		30-150					1/17/13 11:10	
Tetrachloro-m-xylene [2]	86.6		30-150					1/17/13 11:10	

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Project Location: Ludlowe H.S. Interior

Sample Description: Courtyard O/S Rm 115 24in

Work Order: 13A0326

Date Received: 1/11/2013

Field Sample #: 1-9 Soil 06-1

Sampled: 1/9/2013 00:00

Sample ID: 13A0326-19

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	79.5		% Wt	1		SM 2540G	1/14/13	1/15/13 8:16	RH

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Project Location: Ludlowe H.S. Interior

Sample Description: Courtyard O/S Rm 116-P.G. 24in

Work Order: 13A0326

Date Received: 1/11/2013

Sampled: 1/9/2013 00:00

Field Sample #: 1-9 Soil 06-2

Sample ID: 13A0326-20

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	0.66	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 18:34	MJC
Aroclor-1221 [1]	ND	0.66	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 18:34	MJC
Aroclor-1232 [1]	ND	0.66	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 18:34	MJC
Aroclor-1242 [1]	ND	0.66	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 18:34	MJC
Aroclor-1248 [1]	ND	0.66	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 18:34	MJC
Aroclor-1254 [1]	ND	0.66	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 18:34	MJC
Aroclor-1260 [1]	ND	0.66	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 18:34	MJC
Aroclor-1262 [1]	ND	0.66	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 18:34	MJC
Aroclor-1268 [1]	ND	0.66	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 18:34	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	88.3	30-150							1/16/13 18:34
Decachlorobiphenyl [2]	90.4	30-150							1/16/13 18:34
Tetrachloro-m-xylene [1]	88.8	30-150							1/16/13 18:34
Tetrachloro-m-xylene [2]	90.6	30-150							1/16/13 18:34

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

Project Location: Ludlowe H.S. Interior

Sample Description: Courtyard O/S Rm 116-P.G. 24in

Work Order: 13A0326

Date Received: 1/11/2013

Field Sample #: 1-9 Soil 06-2

Sampled: 1/9/2013 00:00

Sample ID: 13A0326-20

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	14.8		% Wt	1		SM 2540G	1/14/13	1/15/13 8:16	RH

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Project Location: Ludlowe H.S. Interior

Sample Description: Courtyard O/S Rm 163 24in

Work Order: 13A0326

Date Received: 1/11/2013

Sampled: 1/9/2013 00:00

Field Sample #: 1-9 Soil 03-3

Sample ID: 13A0326-21

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	0.14	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 19:54	MJC
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 19:54	MJC
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 19:54	MJC
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 19:54	MJC
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 19:54	MJC
Aroclor-1254 [2]	0.30	0.14	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 19:54	MJC
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 19:54	MJC
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 19:54	MJC
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	1/14/13	1/16/13 19:54	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	93.2	30-150						1/16/13 19:54	
Decachlorobiphenyl [2]	103	30-150						1/16/13 19:54	
Tetrachloro-m-xylene [1]	103	30-150						1/16/13 19:54	
Tetrachloro-m-xylene [2]	101	30-150						1/16/13 19:54	

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Project Location: Ludlowe H.S. Interior

Sample Description: Courtyard O/S Rm 163 24in

Work Order: 13A0326

Date Received: 1/11/2013

Field Sample #: 1-9 Soil 03-3

Sampled: 1/9/2013 00:00

Sample ID: 13A0326-21

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	71.8		% Wt	1		SM 2540G	1/14/13	1/15/13 8:16	RH

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Project Location: Ludlowe H.S. Interior

Sample Description: Full 2nd Course O/S Rm 149

Work Order: 13A0326

Date Received: 1/11/2013

Field Sample #: 1-9 01-1-Brick

Sampled: 1/9/2013 00:00

Sample ID: 13A0326-22

Sample Matrix: Brick

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 19:40	MJC
Aroclor-1221 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 19:40	MJC
Aroclor-1232 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 19:40	MJC
Aroclor-1242 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 19:40	MJC
Aroclor-1248 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 19:40	MJC
Aroclor-1254 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 19:40	MJC
Aroclor-1260 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 19:40	MJC
Aroclor-1262 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 19:40	MJC
Aroclor-1268 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 19:40	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	78.5	30-150							1/15/13 19:40
Decachlorobiphenyl [2]	88.7	30-150							1/15/13 19:40
Tetrachloro-m-xylene [1]	85.5	30-150							1/15/13 19:40
Tetrachloro-m-xylene [2]	95.2	30-150							1/15/13 19:40

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Project Location: Ludlowe H.S. Interior

Sample Description: 2nd Course O/S Rm 149

Work Order: 13A0326

Date Received: 1/11/2013

Sampled: 1/9/2013 00:00

Field Sample #: 1-9 02-1-Brick

Sample ID: 13A0326-23

Sample Matrix: Brick

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	1/14/13	1/15/13 19:53	MJC
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 19:53	MJC
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 19:53	MJC
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 19:53	MJC
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 19:53	MJC
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 19:53	MJC
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 19:53	MJC
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 19:53	MJC
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 19:53	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	74.5	30-150							1/15/13 19:53
Decachlorobiphenyl [2]	81.9	30-150							1/15/13 19:53
Tetrachloro-m-xylene [1]	43.6	30-150							1/15/13 19:53
Tetrachloro-m-xylene [2]	46.6	30-150							1/15/13 19:53

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Project Location: Ludlowe H.S. Interior

Sample Description: Full 2nd Course O/S Rm 266

Work Order: 13A0326

Date Received: 1/11/2013

Field Sample #: 1-9 01-2-Brick

Sampled: 1/9/2013 00:00

Sample ID: 13A0326-24

Sample Matrix: Brick

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	1		SW-846 8082A	1/14/13	1/15/13 20:06	MJC
Aroclor-1221 [1]	ND	0.15	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 20:06	MJC
Aroclor-1232 [1]	ND	0.15	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 20:06	MJC
Aroclor-1242 [1]	ND	0.15	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 20:06	MJC
Aroclor-1248 [1]	ND	0.15	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 20:06	MJC
Aroclor-1254 [1]	ND	0.15	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 20:06	MJC
Aroclor-1260 [1]	ND	0.15	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 20:06	MJC
Aroclor-1262 [1]	ND	0.15	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 20:06	MJC
Aroclor-1268 [1]	ND	0.15	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 20:06	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	87.4	30-150							1/15/13 20:06
Decachlorobiphenyl [2]	97.6	30-150							1/15/13 20:06
Tetrachloro-m-xylene [1]	94.3	30-150							1/15/13 20:06
Tetrachloro-m-xylene [2]	104	30-150							1/15/13 20:06

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

Project Location: Ludlowe H.S. Interior

Sample Description: 2nd Course O/S Rm 266

Work Order: 13A0326

Date Received: 1/11/2013

Field Sample #: 1-9 02-2-Brick

Sampled: 1/9/2013 00:00

Sample ID: 13A0326-25

Sample Matrix: Brick

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	1/14/13	1/15/13 20:44	MJC
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 20:44	MJC
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 20:44	MJC
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 20:44	MJC
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 20:44	MJC
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 20:44	MJC
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 20:44	MJC
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 20:44	MJC
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 20:44	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	74.5	30-150							1/15/13 20:44
Decachlorobiphenyl [2]	79.9	30-150							1/15/13 20:44
Tetrachloro-m-xylene [1]	78.9	30-150							1/15/13 20:44
Tetrachloro-m-xylene [2]	86.4	30-150							1/15/13 20:44

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

Project Location: Ludlowe H.S. Interior

Sample Description: Concrete Col. 6in O/S Rm 138E

Work Order: 13A0326

Date Received: 1/11/2013

Field Sample #: 1-9 03-1 Concrete

Sampled: 1/9/2013 00:00

Sample ID: 13A0326-26

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	0.50	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 20:57	MJC
Aroclor-1221 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 20:57	MJC
Aroclor-1232 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 20:57	MJC
Aroclor-1242 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 20:57	MJC
Aroclor-1248 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 20:57	MJC
Aroclor-1254 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 20:57	MJC
Aroclor-1260 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 20:57	MJC
Aroclor-1262 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 20:57	MJC
Aroclor-1268 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 20:57	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	88.4	30-150							1/15/13 20:57
Decachlorobiphenyl [2]	95.5	30-150							1/15/13 20:57
Tetrachloro-m-xylene [1]	89.2	30-150							1/15/13 20:57
Tetrachloro-m-xylene [2]	98.6	30-150							1/15/13 20:57

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

Project Location: Ludlowe H.S. Interior

Sample Description: Concrete Col. 6in O/S Rm 138E

Work Order: 13A0326

Date Received: 1/11/2013

Field Sample #: 1-9 03-2 Concrete

Sampled: 1/9/2013 00:00

Sample ID: 13A0326-27

Sample Matrix: Concrete

Sample Flags: DL-02

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	1		SW-846 8082A	1/14/13	1/15/13 21:09	MJC
Aroclor-1221 [1]	ND	1.0	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 21:09	MJC
Aroclor-1232 [1]	ND	1.0	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 21:09	MJC
Aroclor-1242 [1]	ND	1.0	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 21:09	MJC
Aroclor-1248 [1]	ND	1.0	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 21:09	MJC
Aroclor-1254 [1]	ND	1.0	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 21:09	MJC
Aroclor-1260 [1]	ND	1.0	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 21:09	MJC
Aroclor-1262 [1]	ND	1.0	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 21:09	MJC
Aroclor-1268 [1]	ND	1.0	mg/Kg	1		SW-846 8082A	1/14/13	1/15/13 21:09	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	89.7	30-150							1/15/13 21:09
Decachlorobiphenyl [2]	103	30-150							1/15/13 21:09
Tetrachloro-m-xylene [1]	89.8	30-150							1/15/13 21:09
Tetrachloro-m-xylene [2]	108	30-150							1/15/13 21:09

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

Lab Number [Field ID]	Batch	Date
13A0326-01 [1-9 Soil 01-1]	B066142	01/14/13
13A0326-02 [1-9 Soil 01-2]	B066142	01/14/13
13A0326-03 [1-9 Soil 01-3]	B066142	01/14/13
13A0326-04 [1-9 Soil 01-4]	B066142	01/14/13
13A0326-05 [1-9 Soil 02-1]	B066142	01/14/13
13A0326-06 [1-9 Soil 02-2]	B066142	01/14/13
13A0326-07 [1-9 Soil 02-3]	B066142	01/14/13
13A0326-08 [1-9 Soil 02-4]	B066142	01/14/13
13A0326-09 [1-9 Soil 03-1]	B066142	01/14/13
13A0326-10 [1-9 Soil 03-2]	B066142	01/14/13
13A0326-11 [1-9 Soil 03-3]	B066142	01/14/13
13A0326-12 [1-9 Soil 03-4]	B066142	01/14/13
13A0326-13 [1-9 Soil 04-1]	B066142	01/14/13
13A0326-14 [1-9 Soil 04-2]	B066142	01/14/13
13A0326-15 [1-9 Soil 04-3]	B066142	01/14/13
13A0326-16 [1-9 Soil 05-1]	B066142	01/14/13
13A0326-17 [1-9 Soil 05-2]	B066142	01/14/13
13A0326-18 [1-9 Soil 05-3]	B066142	01/14/13
13A0326-19 [1-9 Soil 06-1]	B066142	01/14/13
13A0326-20 [1-9 Soil 06-2]	B066142	01/14/13
13A0326-21 [1-9 Soil 03-3]	B066142	01/14/13

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13A0326-22 [1-9 01-1-Brick]	B066144	0.500	10.0	01/14/13
13A0326-23 [1-9 02-1-Brick]	B066144	2.20	10.0	01/14/13
13A0326-24 [1-9 01-2-Brick]	B066144	1.30	10.0	01/14/13
13A0326-25 [1-9 02-2-Brick]	B066144	2.10	10.0	01/14/13
13A0326-26 [1-9 03-1 Concrete]	B066144	0.400	10.0	01/14/13
13A0326-27 [1-9 03-2 Concrete]	B066144	0.200	10.0	01/14/13

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13A0326-01 [1-9 Soil 01-1]	B066141	10.0	10.0	01/14/13
13A0326-02 [1-9 Soil 01-2]	B066141	10.1	10.0	01/14/13
13A0326-03 [1-9 Soil 01-3]	B066141	10.0	10.0	01/14/13
13A0326-04 [1-9 Soil 01-4]	B066141	10.1	10.0	01/14/13
13A0326-05 [1-9 Soil 02-1]	B066141	10.1	10.0	01/14/13
13A0326-06 [1-9 Soil 02-2]	B066141	10.1	10.0	01/14/13
13A0326-07 [1-9 Soil 02-3]	B066141	10.1	10.0	01/14/13
13A0326-08 [1-9 Soil 02-4]	B066141	10.1	10.0	01/14/13
13A0326-09 [1-9 Soil 03-1]	B066141	10.1	10.0	01/14/13
13A0326-10 [1-9 Soil 03-2]	B066141	10.3	10.0	01/14/13
13A0326-11 [1-9 Soil 03-3]	B066141	10.0	10.0	01/14/13
13A0326-12 [1-9 Soil 03-4]	B066141	10.1	10.0	01/14/13
13A0326-13 [1-9 Soil 04-1]	B066141	10.2	10.0	01/14/13
13A0326-14 [1-9 Soil 04-2]	B066141	10.1	10.0	01/14/13
13A0326-15 [1-9 Soil 04-3]	B066141	10.3	10.0	01/14/13
13A0326-16 [1-9 Soil 05-1]	B066141	10.3	10.0	01/14/13
13A0326-17 [1-9 Soil 05-2]	B066141	10.1	10.0	01/14/13
13A0326-18 [1-9 Soil 05-3]	B066141	10.1	10.0	01/14/13

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
13A0326-19 [1-9 Soil 06-1]	B066141	10.0	10.0	01/14/13
13A0326-20 [1-9 Soil 06-2]	B066141	10.2	10.0	01/14/13

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13A0326-21 [1-9 Soil 03-3]	B066149	10.1	10.0	01/14/13

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 B066141 - SW-846 3540C
Blank (B066141-BLK1)

Prepared: 01/14/13 Analyzed: 01/16/13

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	0.186		mg/Kg wet	0.200		93.0		30-150		
Surrogate: Decachlorobiphenyl [2C]	0.183		mg/Kg wet	0.200		91.3		30-150		
Surrogate: Tetrachloro-m-xylene	0.167		mg/Kg wet	0.200		83.7		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.167		mg/Kg wet	0.200		83.3		30-150		

LCS (B066141-BS1)

Prepared: 01/14/13 Analyzed: 01/16/13

Aroclor-1016	0.25	0.10	mg/Kg wet	0.200	125	40-140				
Aroclor-1016 [2C]	0.25	0.10	mg/Kg wet	0.200	125	40-140				
Aroclor-1260	0.24	0.10	mg/Kg wet	0.200	121	40-140				
Aroclor-1260 [2C]	0.25	0.10	mg/Kg wet	0.200	123	40-140				
Surrogate: Decachlorobiphenyl	0.223		mg/Kg wet	0.200	111	30-150				
Surrogate: Decachlorobiphenyl [2C]	0.217		mg/Kg wet	0.200	108	30-150				
Surrogate: Tetrachloro-m-xylene	0.208		mg/Kg wet	0.200	104	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	0.209		mg/Kg wet	0.200	105	30-150				

LCS Dup (B066141-BSD1)

Prepared: 01/14/13 Analyzed: 01/16/13

Aroclor-1016	0.22	0.10	mg/Kg wet	0.200	109	40-140	13.9	30		
Aroclor-1016 [2C]	0.22	0.10	mg/Kg wet	0.200	108	40-140	14.6	30		
Aroclor-1260	0.21	0.10	mg/Kg wet	0.200	105	40-140	14.2	30		
Aroclor-1260 [2C]	0.21	0.10	mg/Kg wet	0.200	107	40-140	13.4	30		
Surrogate: Decachlorobiphenyl	0.186		mg/Kg wet	0.200	92.8	30-150				
Surrogate: Decachlorobiphenyl [2C]	0.182		mg/Kg wet	0.200	91.1	30-150				
Surrogate: Tetrachloro-m-xylene	0.168		mg/Kg wet	0.200	83.8	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	0.170		mg/Kg wet	0.200	84.9	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 B066141 - SW-846 3540C

Matrix Spike (B066141-MS1)	Source: 13A0326-01			Prepared: 01/14/13 Analyzed: 01/16/13					
Aroclor-1016	0.29	0.12	mg/Kg dry	0.237	0.0	122	40-140		
Aroclor-1016 [2C]	0.28	0.12	mg/Kg dry	0.237	0.0	117	40-140		
Aroclor-1260	0.46	0.12	mg/Kg dry	0.237	0.0	193 *	40-140		MS-21
Aroclor-1260 [2C]	0.46	0.12	mg/Kg dry	0.237	0.0	195 *	40-140		MS-21
Surrogate: Decachlorobiphenyl	0.227		mg/Kg dry	0.237		95.9	30-150		
Surrogate: Decachlorobiphenyl [2C]	0.218		mg/Kg dry	0.237		91.9	30-150		
Surrogate: Tetrachloro-m-xylene	0.228		mg/Kg dry	0.237		96.2	30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.222		mg/Kg dry	0.237		93.8	30-150		
Matrix Spike Dup (B066141-MSD1)	Source: 13A0326-01			Prepared: 01/14/13 Analyzed: 01/16/13					
Aroclor-1016	0.29	0.12	mg/Kg dry	0.237	0.0	122	40-140	0.278	50
Aroclor-1016 [2C]	0.28	0.12	mg/Kg dry	0.237	0.0	119	40-140	1.32	50
Aroclor-1260	0.43	0.12	mg/Kg dry	0.237	0.0	183 *	40-140	5.33	50
Aroclor-1260 [2C]	0.44	0.12	mg/Kg dry	0.237	0.0	187 *	40-140	4.20	50
Surrogate: Decachlorobiphenyl	0.228		mg/Kg dry	0.237		96.4	30-150		
Surrogate: Decachlorobiphenyl [2C]	0.227		mg/Kg dry	0.237		95.9	30-150		
Surrogate: Tetrachloro-m-xylene	0.223		mg/Kg dry	0.237		94.2	30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.222		mg/Kg dry	0.237		93.5	30-150		

Batch B066144 - SW-846 3540C

Blank (B066144-BLK1)	Prepared: 01/14/13 Analyzed: 01/15/13					
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	0.945		mg/Kg	1.00	94.5	30-150
Surrogate: Decachlorobiphenyl [2C]	1.02		mg/Kg	1.00	102	30-150
Surrogate: Tetrachloro-m-xylene	0.890		mg/Kg	1.00	89.0	30-150
Surrogate: Tetrachloro-m-xylene [2C]	0.998		mg/Kg	1.00	99.8	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 B066144 - SW-846 3540C									
LCS (B066144-BS1)									
Prepared: 01/14/13 Analyzed: 01/15/13									
Aroclor-1016	0.28	0.10	mg/Kg	0.250	112	40-140			
Aroclor-1016 [2C]	0.28	0.10	mg/Kg	0.250	112	40-140			
Aroclor-1260	0.27	0.10	mg/Kg	0.250	107	40-140			
Aroclor-1260 [2C]	0.27	0.10	mg/Kg	0.250	107	40-140			
Surrogate: Decachlorobiphenyl	0.921		mg/Kg	1.00	92.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.988		mg/Kg	1.00	98.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.845		mg/Kg	1.00	84.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.930		mg/Kg	1.00	93.0	30-150			
LCS Dup (B066144-BSD1)									
Prepared: 01/14/13 Analyzed: 01/15/13									
Aroclor-1016	0.29	0.10	mg/Kg	0.250	116	40-140	3.91	30	
Aroclor-1016 [2C]	0.29	0.10	mg/Kg	0.250	116	40-140	3.51	30	
Aroclor-1260	0.28	0.10	mg/Kg	0.250	110	40-140	3.55	30	
Aroclor-1260 [2C]	0.28	0.10	mg/Kg	0.250	111	40-140	3.89	30	
Surrogate: Decachlorobiphenyl	0.934		mg/Kg	1.00	93.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.00		mg/Kg	1.00	100	30-150			
Surrogate: Tetrachloro-m-xylene	0.858		mg/Kg	1.00	85.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.948		mg/Kg	1.00	94.8	30-150			
Batch B066149 - SW-846 3540C									
Blank (B066149-BLK1)									
Prepared: 01/14/13 Analyzed: 01/16/13									
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	0.182		mg/Kg wet	0.200	90.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.186		mg/Kg wet	0.200	92.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.191		mg/Kg wet	0.200	95.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.205		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 B066149 - SW-846 3540C									
LCS (B066149-BS1)									
Prepared: 01/14/13 Analyzed: 01/16/13									
Aroclor-1016	0.20	0.10	mg/Kg wet	0.200	97.6	40-140			
Aroclor-1016 [2C]	0.22	0.10	mg/Kg wet	0.200	109	40-140			
Aroclor-1260	0.18	0.10	mg/Kg wet	0.200	87.5	40-140			
Aroclor-1260 [2C]	0.20	0.10	mg/Kg wet	0.200	98.6	40-140			
Surrogate: Decachlorobiphenyl	0.182		mg/Kg wet	0.200	91.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.192		mg/Kg wet	0.200	96.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.201		mg/Kg wet	0.200	101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.218		mg/Kg wet	0.200	109	30-150			
LCS Dup (B066149-BSD1)									
Prepared: 01/14/13 Analyzed: 01/16/13									
Aroclor-1016	0.15	0.10	mg/Kg wet	0.200	73.6	40-140	28.0	30	
Aroclor-1016 [2C]	0.16	0.10	mg/Kg wet	0.200	82.4	40-140	27.9	30	
Aroclor-1260	0.13	0.10	mg/Kg wet	0.200	64.9	40-140	29.7	30	
Aroclor-1260 [2C]	0.15	0.10	mg/Kg wet	0.200	73.1	40-140	29.7	30	
Surrogate: Decachlorobiphenyl	0.127		mg/Kg wet	0.200	63.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.132		mg/Kg wet	0.200	65.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.147		mg/Kg wet	0.200	73.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.160		mg/Kg wet	0.200	80.2	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.

DL-02 Elevated method reporting limit due to insufficient sample volume

MS-21 Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.

S-01 The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit 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,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		
<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	12/30/2013
NC	North Carolina Div. of Water Quality	652	12/31/2013
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



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A. O. 20

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Company Name: Amc Env.

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Attention:

Hajj pilgrimage 13

SCHLESINGER, BROWN, AND RUMBLE / 113

yes _____ proposal date

Con-Test Lab ID <small>(Leave blank or use only)</small>	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	* Matrix Data	Last Date
---	--------------------------------	---------------------	------------------	-----------	------	---------------	-----------

Soxhlet

		Turnaround		Detection Limit Requirements		Is your project MCP or RCP?		Matrix Code:					
Received by: (signature) <i>John Doe</i>	Date/Time: 1/1/13 11:00	<input checked="" type="checkbox"/> 5-7 Day	Massachusetts:	<input type="radio"/> MCP Form Required	<input type="radio"/> WW = groundwater	<input type="radio"/> SL = sludge							
Released by: (signature) <i>John Doe</i>	Date/Time: 1/1/13 11:00	<input type="checkbox"/> 10-Day	Connecticut:	<input type="radio"/> RCP Form Required	<input type="radio"/> DW = drinking water	<input type="radio"/> A = air							
Received by: (signature) <i>John Doe</i>	Date/Time: 1/1/13 11:00	<input type="checkbox"/> RUSH <input type="checkbox"/> 24-Hr <input type="checkbox"/> 48-Hr	Other:	<input type="radio"/> MA State DW Form Required	<input type="radio"/> WW = wastewater	<input type="radio"/> S = soil/soilid							
		<input type="checkbox"/> Require lab approval		<input type="radio"/> PWSID # _____	<input type="radio"/> DW = drinking water	<input type="radio"/> O = other							
<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> <table border="1"> <tr><td>H - High;</td><td>M - Medium;</td><td>L - Low;</td><td>C - Clean;</td><td>U - Unknown</td></tr> </table>									H - High;	M - Medium;	L - Low;	C - Clean;	U - Unknown
H - High;	M - Medium;	L - Low;	C - Clean;	U - Unknown									
<p>Comments:</p> <p>1. I = Iced H = HCl M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium bisulfate X = Na hydroxide T = Na thiosulfate O = Other</p>													
<p>**Preservation</p> <p>2. 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</p>													

Comments:

Please use the following codes to let Com-T 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?

© McGraw-Hill Ryerson

RCP Form Required

○ MA State DW Form 1

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TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS.

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

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



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Page _____ of _____

Rev 04.05.12

Company Name: Aml Env.

Telephone: _____

Address: 622 Clinton Ave.

Project # _____

Attention: Bridgette

DATA DELIVERY (check all that apply)

Project Location: Ludlow A-S.

Client PO# _____

Sampled By: J. Deeks

Fax # _____

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

Email: _____

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

Format: PDF EXCEL GIS
 OTHER "Enhanced Data Package"

Con-Test Lab ID (laboratory size only)	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab Date	Matrix Conc Date	Storage
-11	1-9 5011 03-3 -Court-Yard o/s				S	G	X
-12	1-9 5011 03-4 -Court-Yard o/s						
-13	1-9 5011 04-1 -Court-Yard o/s						
-14	04-2 -Court-Yard o/s						
-15	04-3 -Court-Yard o/s						
-16	05-1 -Court-Yard o/s						
-17	05-2 -Court-Yard o/s						
-18	05-3 -Court-Yard o/s						
-19	06-1 -Court-Yard o/s						
-20	06-2 -Court-Yard o/s						
	06-4 110 -P.G. 24"						

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

Released by: J. Deeks Date/Time: 1/1/13 11:05 Turnaround 5-7-Day 10-Day Other _____

RUSH [†]

Released by: J. Deeks Date/Time: 1/1/13 11:05 Turnaround 5-7-Day 10-Day Other _____

RUSH [†]

Released by: J. Deeks Date/Time: 1/1/13 11:05 Turnaround 5-7-Day 10-Day Other _____

RUSH [†]

Released by: J. Deeks Date/Time: 1/1/13 11:05 Turnaround 5-7-Day 10-Day Other _____

RUSH [†]

Released by: J. Deeks Date/Time: 1/1/13 11:05 Turnaround 5-7-Day 10-Day Other _____

RUSH [†]

Released by: J. Deeks Date/Time: 1/1/13 11:05 Turnaround 5-7-Day 10-Day Other _____

RUSH [†]

Released by: J. Deeks Date/Time: 1/1/13 11:05 Turnaround 5-7-Day 10-Day Other _____

RUSH [†]



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Page _____ of _____

Rev 04.05.12

Company Name: ANC Env. Telephone: _____

Address: 622 Clinton Ave.

Project # _____

Attention: _____

Project Location: Ludlow H.S.

Sampled By: S. Price

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

Client PO# _____

Fax# _____

Email: _____

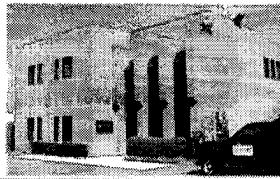
Format: PDF EXCEL GIS

OTHER

"Enhanced Data Package"

Soxhlet

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Sample Receipt Checklist

CLIENT NAME: AMC

RECEIVED BY: WF

DATE: 1-11-13

1) Was the chain(s) of custody relinquished and signed?

Yes No No CoC Included

2) Does the chain agree with the samples?

Yes No

If not, explain:

3) Are all the samples in good condition?

Yes No

If not, explain:

4) How were the samples received:

On Ice Direct from Sampling Ambient In Cooler(s)

Were the samples received in Temperature Compliance of (2-6°C)?

Yes No N/A

Temperature °C by Temp blank

Temperature °C by Temp gun

4.4

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:

(a)

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>6</u>
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic		Plastic Bag / Ziploc	<u>21</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: Sample 1 ID marked soil 06-3

40 mL vials: # HCl _____ # Methanol _____ Time and Date Frozen:

Doc# 277: # Bisulfate _____ # DI Water _____

Rev. 3 May 2012: # Thiosulfate _____ Unpreserved

February 11, 2013

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

Project Location: Ludlow H.S.
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 13B0116

Enclosed are results of analyses for samples received by the laboratory on February 4, 2013. 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: 13B0116

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

PROJECT LOCATION: Ludlow H.S.

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
01-1 Courtyard O/S 149	13B0116-01	Soil		SM 2540G SW-846 8082A	
01-2 Courtyard O/S 149 16in	13B0116-02	Soil		SM 2540G SW-846 8082A	
01-3 Courtyard O/S 149 24in	13B0116-03	Soil		SM 2540G SW-846 8082A	
02-1 Courtyard O/S 157 24in	13B0116-04	Soil		SM 2540G SW-846 8082A	
03-1 Courtyard O/S 115 8in	13B0116-05	Soil		SM 2540G SW-846 8082A	
03-2 Courtyard O/S 115 16in	13B0116-06	Soil		SM 2540G SW-846 8082A	
03-3 Courtyard O/S 115 24in	13B0116-07	Soil		SM 2540G SW-846 8082A	
04-1 Courtyard O/S 163 8in	13B0116-08	Soil		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.



Daren J. Damboragian
Laboratory Manager

Project Location: Ludlow H.S.

Sample Description:

Work Order: 13B0116

Date Received: 2/4/2013

Field Sample #: 01-1 Courtyard O/S 149

Sampled: 2/4/2013 00:00

Sample ID: 13B0116-01

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	0.14	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 21:58	MJC
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 21:58	MJC
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 21:58	MJC
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 21:58	MJC
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 21:58	MJC
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 21:58	MJC
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 21:58	MJC
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 21:58	MJC
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 21:58	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		87.0	30-150					2/7/13 21:58	
Decachlorobiphenyl [2]		111	30-150					2/7/13 21:58	
Tetrachloro-m-xylene [1]		94.2	30-150					2/7/13 21:58	
Tetrachloro-m-xylene [2]		94.0	30-150					2/7/13 21:58	

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Project Location: Ludlow H.S.

Sample Description:

Work Order: 13B0116

Date Received: 2/4/2013

Field Sample #: 01-1 Courtyard O/S 149

Sampled: 2/4/2013 00:00

Sample ID: 13B0116-01

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	70.3		% Wt	1		SM 2540G	2/10/13	2/11/13 17:01	FWD

Project Location: Ludlow H.S.

Sample Description:

Work Order: 13B0116

Date Received: 2/4/2013

Field Sample #: 01-2 Courtyard O/S 149 16in

Sampled: 2/4/2013 00:00

Sample ID: 13B0116-02

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	2/5/13	2/7/13 22:10	MJC
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 22:10	MJC
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 22:10	MJC
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 22:10	MJC
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 22:10	MJC
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 22:10	MJC
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 22:10	MJC
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 22:10	MJC
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 22:10	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		86.6	30-150					2/7/13 22:10	
Decachlorobiphenyl [2]		95.7	30-150					2/7/13 22:10	
Tetrachloro-m-xylene [1]		98.5	30-150					2/7/13 22:10	
Tetrachloro-m-xylene [2]		97.7	30-150					2/7/13 22:10	

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Project Location: Ludlow H.S.

Sample Description:

Work Order: 13B0116

Date Received: 2/4/2013

Field Sample #: 01-2 Courtyard O/S 149 16in

Sampled: 2/4/2013 00:00

Sample ID: 13B0116-02

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	69.5		% Wt	1		SM 2540G	2/10/13	2/11/13 17:01	FWD

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Project Location: Ludlow H.S.

Sample Description:

Work Order: 13B0116

Date Received: 2/4/2013

Field Sample #: 01-3 Courtyard O/S 149 24in

Sampled: 2/4/2013 00:00

Sample ID: 13B0116-03

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	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 22:23	MJC
Aroclor-1221 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 22:23	MJC
Aroclor-1232 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 22:23	MJC
Aroclor-1242 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 22:23	MJC
Aroclor-1248 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 22:23	MJC
Aroclor-1254 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 22:23	MJC
Aroclor-1260 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 22:23	MJC
Aroclor-1262 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 22:23	MJC
Aroclor-1268 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 22:23	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	83.8	30-150						2/7/13 22:23	
Decachlorobiphenyl [2]	94.9	30-150						2/7/13 22:23	
Tetrachloro-m-xylene [1]	95.5	30-150						2/7/13 22:23	
Tetrachloro-m-xylene [2]	95.8	30-150						2/7/13 22:23	

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Project Location: Ludlow H.S.

Sample Description:

Work Order: 13B0116

Date Received: 2/4/2013

Field Sample #: 01-3 Courtyard O/S 149 24in

Sampled: 2/4/2013 00:00

Sample ID: 13B0116-03

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	66.9		% Wt	1		SM 2540G	2/10/13	2/11/13 17:01	FWD

Project Location: Ludlow H.S.

Sample Description:

Work Order: 13B0116

Date Received: 2/4/2013

Field Sample #: 02-1 Courtyard O/S 157 24in

Sampled: 2/4/2013 00:00

Sample ID: 13B0116-04

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	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 22:36	MJC
Aroclor-1221 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 22:36	MJC
Aroclor-1232 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 22:36	MJC
Aroclor-1242 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 22:36	MJC
Aroclor-1248 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 22:36	MJC
Aroclor-1254 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 22:36	MJC
Aroclor-1260 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 22:36	MJC
Aroclor-1262 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 22:36	MJC
Aroclor-1268 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 22:36	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		82.5	30-150					2/7/13 22:36	
Decachlorobiphenyl [2]		91.0	30-150					2/7/13 22:36	
Tetrachloro-m-xylene [1]		95.7	30-150					2/7/13 22:36	
Tetrachloro-m-xylene [2]		95.5	30-150					2/7/13 22:36	

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Project Location: Ludlow H.S.

Sample Description:

Work Order: 13B0116

Date Received: 2/4/2013

Field Sample #: 02-1 Courtyard O/S 157 24in

Sampled: 2/4/2013 00:00

Sample ID: 13B0116-04

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	67.5		% Wt	1		SM 2540G	2/10/13	2/11/13 17:01	FWD

Project Location: Ludlow H.S.

Sample Description:

Work Order: 13B0116

Date Received: 2/4/2013

Field Sample #: 03-1 Courtyard O/S 115 8in

Sampled: 2/4/2013 00:00

Sample ID: 13B0116-05

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	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 22:49	MJC
Aroclor-1221 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 22:49	MJC
Aroclor-1232 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 22:49	MJC
Aroclor-1242 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 22:49	MJC
Aroclor-1248 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 22:49	MJC
Aroclor-1254 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 22:49	MJC
Aroclor-1260 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 22:49	MJC
Aroclor-1262 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 22:49	MJC
Aroclor-1268 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 22:49	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		81.5	30-150					2/7/13 22:49	
Decachlorobiphenyl [2]		87.8	30-150					2/7/13 22:49	
Tetrachloro-m-xylene [1]		93.1	30-150					2/7/13 22:49	
Tetrachloro-m-xylene [2]		93.2	30-150					2/7/13 22:49	

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Project Location: Ludlow H.S.

Sample Description:

Work Order: 13B0116

Date Received: 2/4/2013

Field Sample #: 03-1 Courtyard O/S 115 8in

Sampled: 2/4/2013 00:00

Sample ID: 13B0116-05

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	62.2		% Wt	1		SM 2540G	2/10/13	2/11/13 17:01	FWD

Project Location: Ludlow H.S.

Sample Description:

Work Order: 13B0116

Date Received: 2/4/2013

Field Sample #: 03-2 Courtyard O/S 115 16in

Sampled: 2/4/2013 00:00

Sample ID: 13B0116-06

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	0.14	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 23:02	MJC
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 23:02	MJC
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 23:02	MJC
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 23:02	MJC
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 23:02	MJC
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 23:02	MJC
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 23:02	MJC
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 23:02	MJC
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 23:02	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		79.2	30-150					2/7/13 23:02	
Decachlorobiphenyl [2]		85.0	30-150					2/7/13 23:02	
Tetrachloro-m-xylene [1]		93.7	30-150					2/7/13 23:02	
Tetrachloro-m-xylene [2]		93.9	30-150					2/7/13 23:02	

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Project Location: Ludlow H.S.

Sample Description:

Work Order: 13B0116

Date Received: 2/4/2013

Field Sample #: 03-2 Courtyard O/S 115 16in

Sampled: 2/4/2013 00:00

Sample ID: 13B0116-06

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	69.1		% Wt	1		SM 2540G	2/10/13	2/11/13 17:01	FWD

Project Location: Ludlow H.S.

Sample Description:

Work Order: 13B0116

Date Received: 2/4/2013

Field Sample #: 03-3 Courtyard O/S 115 24in

Sampled: 2/4/2013 00:00

Sample ID: 13B0116-07

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	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 23:15	MJC
Aroclor-1221 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 23:15	MJC
Aroclor-1232 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 23:15	MJC
Aroclor-1242 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 23:15	MJC
Aroclor-1248 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 23:15	MJC
Aroclor-1254 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 23:15	MJC
Aroclor-1260 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 23:15	MJC
Aroclor-1262 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 23:15	MJC
Aroclor-1268 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 23:15	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		79.2	30-150					2/7/13 23:15	
Decachlorobiphenyl [2]		85.6	30-150					2/7/13 23:15	
Tetrachloro-m-xylene [1]		97.1	30-150					2/7/13 23:15	
Tetrachloro-m-xylene [2]		97.1	30-150					2/7/13 23:15	

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Project Location: Ludlow H.S.

Sample Description:

Work Order: 13B0116

Date Received: 2/4/2013

Field Sample #: 03-3 Courtyard O/S 115 24in

Sampled: 2/4/2013 00:00

Sample ID: 13B0116-07

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	68.5		% Wt	1		SM 2540G	2/10/13	2/11/13 17:01	FWD

Project Location: Ludlow H.S.

Sample Description:

Work Order: 13B0116

Date Received: 2/4/2013

Field Sample #: 04-1 Courtyard O/S 163 8in

Sampled: 2/4/2013 00:00

Sample ID: 13B0116-08

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	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 23:27	MJC
Aroclor-1221 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 23:27	MJC
Aroclor-1232 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 23:27	MJC
Aroclor-1242 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 23:27	MJC
Aroclor-1248 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 23:27	MJC
Aroclor-1254 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 23:27	MJC
Aroclor-1260 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 23:27	MJC
Aroclor-1262 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 23:27	MJC
Aroclor-1268 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	2/5/13	2/7/13 23:27	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		85.5	30-150					2/7/13 23:27	
Decachlorobiphenyl [2]		93.8	30-150					2/7/13 23:27	
Tetrachloro-m-xylene [1]		98.4	30-150					2/7/13 23:27	
Tetrachloro-m-xylene [2]		98.5	30-150					2/7/13 23:27	

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Project Location: Ludlow H.S.

Sample Description:

Work Order: 13B0116

Date Received: 2/4/2013

Field Sample #: 04-1 Courtyard O/S 163 8in

Sampled: 2/4/2013 00:00

Sample ID: 13B0116-08

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	64.3		% Wt	1		SM 2540G	2/10/13	2/11/13 17:01	FWD

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

Lab Number [Field ID]	Batch	Date
13B0116-01 [01-1 Courtyard O/S 149]	B067529	02/10/13
13B0116-02 [01-2 Courtyard O/S 149 16in]	B067529	02/10/13
13B0116-03 [01-3 Courtyard O/S 149 24in]	B067529	02/10/13
13B0116-04 [02-1 Courtyard O/S 157 24in]	B067529	02/10/13
13B0116-05 [03-1 Courtyard O/S 115 8in]	B067529	02/10/13
13B0116-06 [03-2 Courtyard O/S 115 16in]	B067529	02/10/13
13B0116-07 [03-3 Courtyard O/S 115 24in]	B067529	02/10/13
13B0116-08 [04-1 Courtyard O/S 163 8in]	B067529	02/10/13

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13B0116-01 [01-1 Courtyard O/S 149]	B067302	10.0	10.0	02/05/13
13B0116-02 [01-2 Courtyard O/S 149 16in]	B067302	10.2	10.0	02/05/13
13B0116-03 [01-3 Courtyard O/S 149 24in]	B067302	10.3	10.0	02/05/13
13B0116-04 [02-1 Courtyard O/S 157 24in]	B067302	10.0	10.0	02/05/13
13B0116-05 [03-1 Courtyard O/S 115 8in]	B067302	10.4	10.0	02/05/13
13B0116-06 [03-2 Courtyard O/S 115 16in]	B067302	10.2	10.0	02/05/13
13B0116-07 [03-3 Courtyard O/S 115 24in]	B067302	10.0	10.0	02/05/13
13B0116-08 [04-1 Courtyard O/S 163 8in]	B067302	10.2	10.0	02/05/13

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 B067302 - SW-846 3540C
Blank (B067302-BLK1)

Prepared: 02/05/13 Analyzed: 02/07/13

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	0.179		mg/Kg wet	0.200		89.7		30-150		
Surrogate: Decachlorobiphenyl [2C]	0.183		mg/Kg wet	0.200		91.7		30-150		
Surrogate: Tetrachloro-m-xylene	0.183		mg/Kg wet	0.200		91.5		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.180		mg/Kg wet	0.200		90.2		30-150		

LCS (B067302-BS1)

Prepared: 02/05/13 Analyzed: 02/07/13

Aroclor-1016	0.20	0.10	mg/Kg wet	0.200	100	40-140				
Aroclor-1016 [2C]	0.19	0.10	mg/Kg wet	0.200	96.9	40-140				
Aroclor-1260	0.17	0.10	mg/Kg wet	0.200	87.3	40-140				
Aroclor-1260 [2C]	0.17	0.10	mg/Kg wet	0.200	85.3	40-140				
Surrogate: Decachlorobiphenyl	0.168		mg/Kg wet	0.200	83.8	30-150				
Surrogate: Decachlorobiphenyl [2C]	0.167		mg/Kg wet	0.200	83.7	30-150				
Surrogate: Tetrachloro-m-xylene	0.180		mg/Kg wet	0.200	90.2	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	0.180		mg/Kg wet	0.200	89.9	30-150				

LCS Dup (B067302-BSD1)

Prepared: 02/05/13 Analyzed: 02/07/13

Aroclor-1016	0.20	0.10	mg/Kg wet	0.200	98.5	40-140	1.56	30		
Aroclor-1016 [2C]	0.19	0.10	mg/Kg wet	0.200	96.0	40-140	0.967	30		
Aroclor-1260	0.17	0.10	mg/Kg wet	0.200	87.4	40-140	0.132	30		
Aroclor-1260 [2C]	0.18	0.10	mg/Kg wet	0.200	87.7	40-140	2.68	30		
Surrogate: Decachlorobiphenyl	0.164		mg/Kg wet	0.200	82.0	30-150				
Surrogate: Decachlorobiphenyl [2C]	0.167		mg/Kg wet	0.200	83.5	30-150				
Surrogate: Tetrachloro-m-xylene	0.167		mg/Kg wet	0.200	83.7	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	0.168		mg/Kg wet	0.200	83.9	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 B067529 - % Solids

Duplicate (B067529-DUP6)	Source: 13B0116-01	Prepared: 02/10/13 Analyzed: 02/11/13
% Solids	70.2	% Wt

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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.

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	12/30/2013
NC	North Carolina Div. of Water Quality	652	12/31/2013
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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Fax: 413-525-6405

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

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page _____ of _____

Rev 04/05/12

Company Name: Anal Env.

Telephone: _____

Address: 622 Clinton Ave.

Project # _____

Attention: Bridgeport, CT

Client PO# _____

Project Location: Essex Ludlowe H.S.

FAX #: _____

Sampled By: J. Proto

EMAIL: _____

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

WEBSITE: _____

Format: PDF EXCEL GIS

OTHER: "Enhanced Data Package"

ANALYSIS REQUESTED

Dissolved Metal

Field Filtered

Lab to Filter

L = Lab

O = Other

Y = Yes

N = No

X = Unknown

U = Unknown

W = Unknown

S = Unknown

M = Methanol

H = HCl

G = Glass

P = Plastic

ST = Sterile

V = Vial

T = Teflon Bag

O = Other

I = Iced

N = Nitric Acid

S = Sulfuric Acid

B = Sodium Bisulfite

X = Na Hydroxide

T = Na Thiosulfate

O = Other

Y = Yes

N = No

U = Unknown

W = Unknown

S = Unknown

M = Methanol

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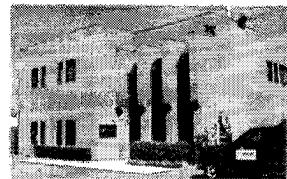
P = Plastic

ST = Sterile

V = Vial

T = Teflon Bag</

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



Sample Receipt Checklist

CLIENT NAME: AMC

RECEIVED BY: WF

DATE: 2-4-13

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 3-6

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: QA

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>8</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

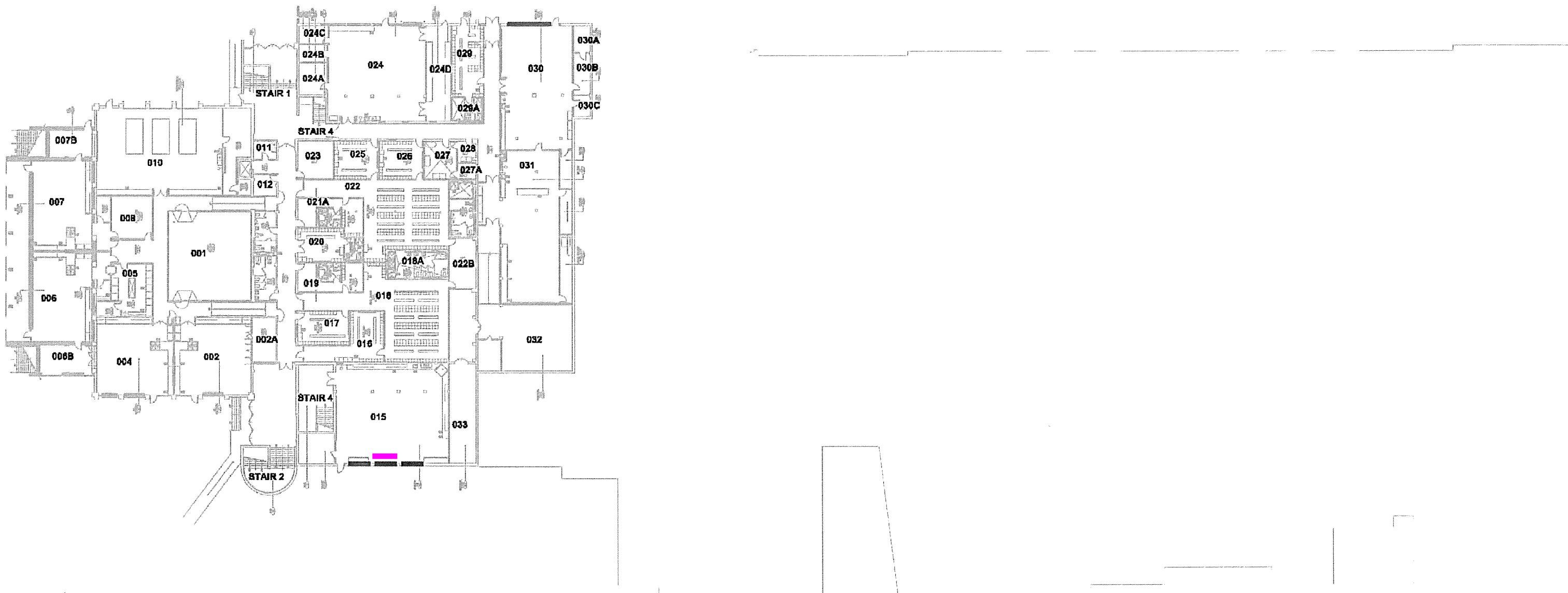
DIAGRAMS

Sample Location Diagrams (4.1)

Homogeneous Areas of PCB Samples w/ Building Era Distinctions (4.2)

Homogeneous Areas of ACM Samples w/ Building Era Distinctions (4.3)

Diagram 4.1
Locations of PCB Bulk Samples >50 PPM



■ PCB containing window glazing
compound (>50 PPM)

Diagram 4.1
Locations of PCB Bulk Samples >50 PPM



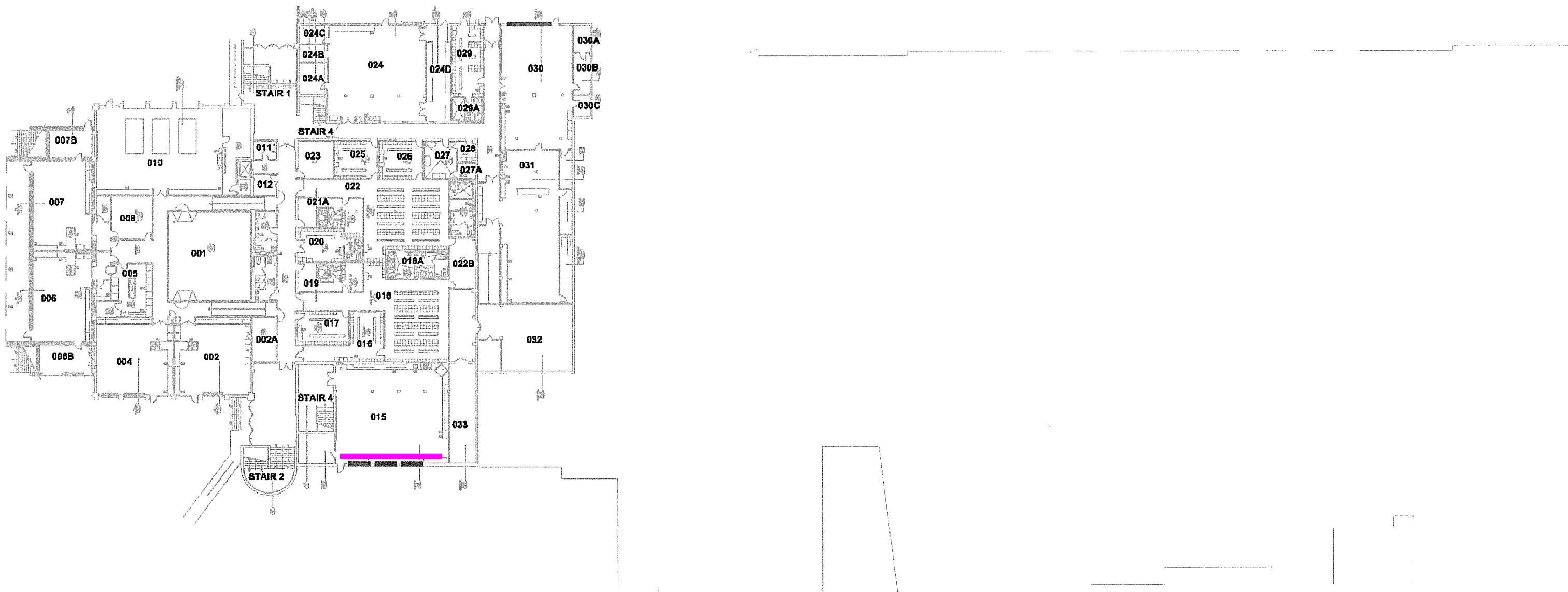
Diagram 4.1
Locations of PCB Bulk Samples >50 PPM



Diagram 4.1
Locations of PCB Bulk Samples >50 PPM



Diagram 4.2
Homogeneous Areas of PCB Bulk Samples >50 PPM



■ PCB containing window glazing
compound (>50 PPM)

Diagram 4.2
Homogeneous Areas of PCB Bulk Samples >50 PPM

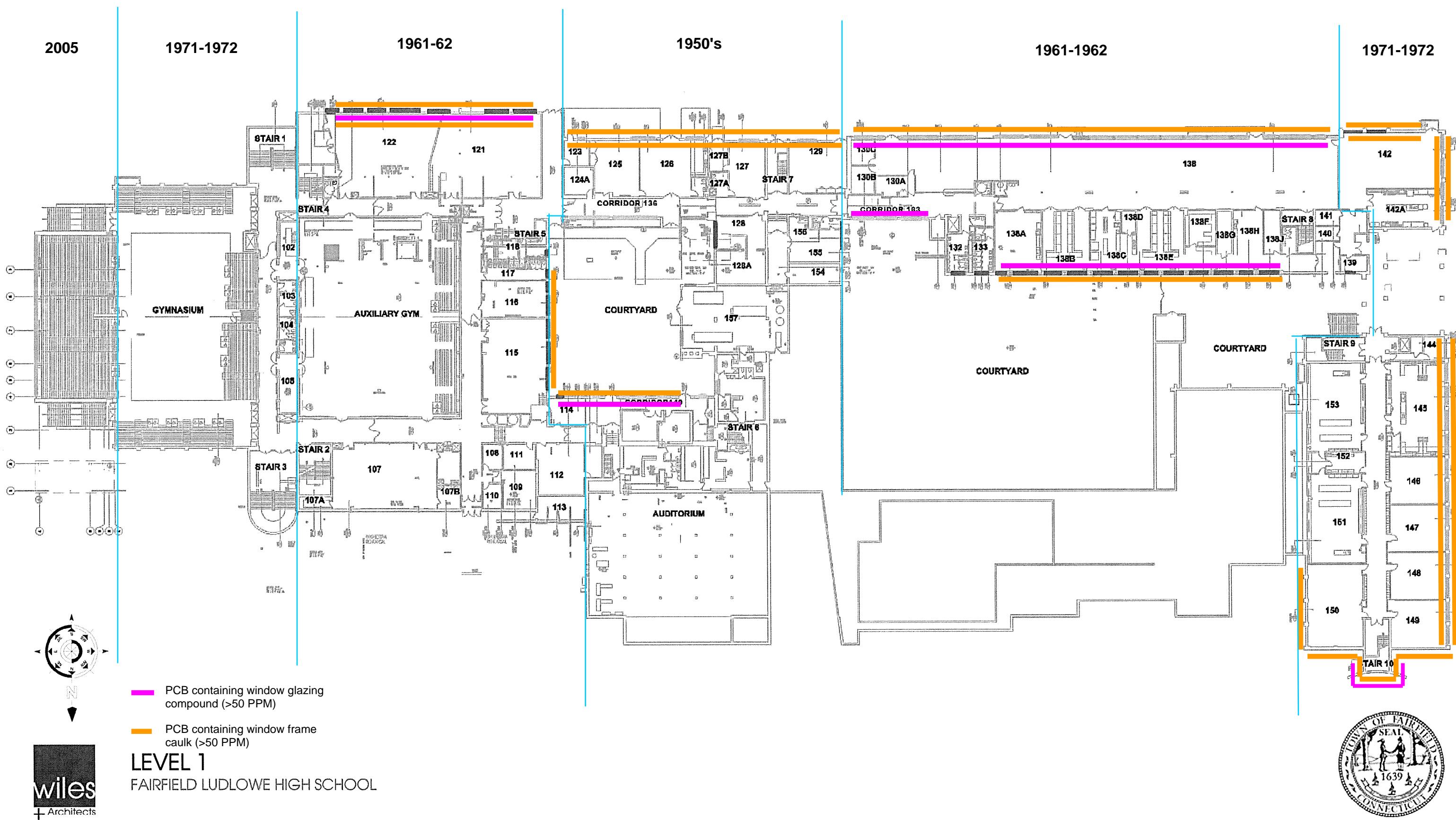


Diagram 4.2
Homogeneous Areas of PCB Bulk Samples >50 PPM

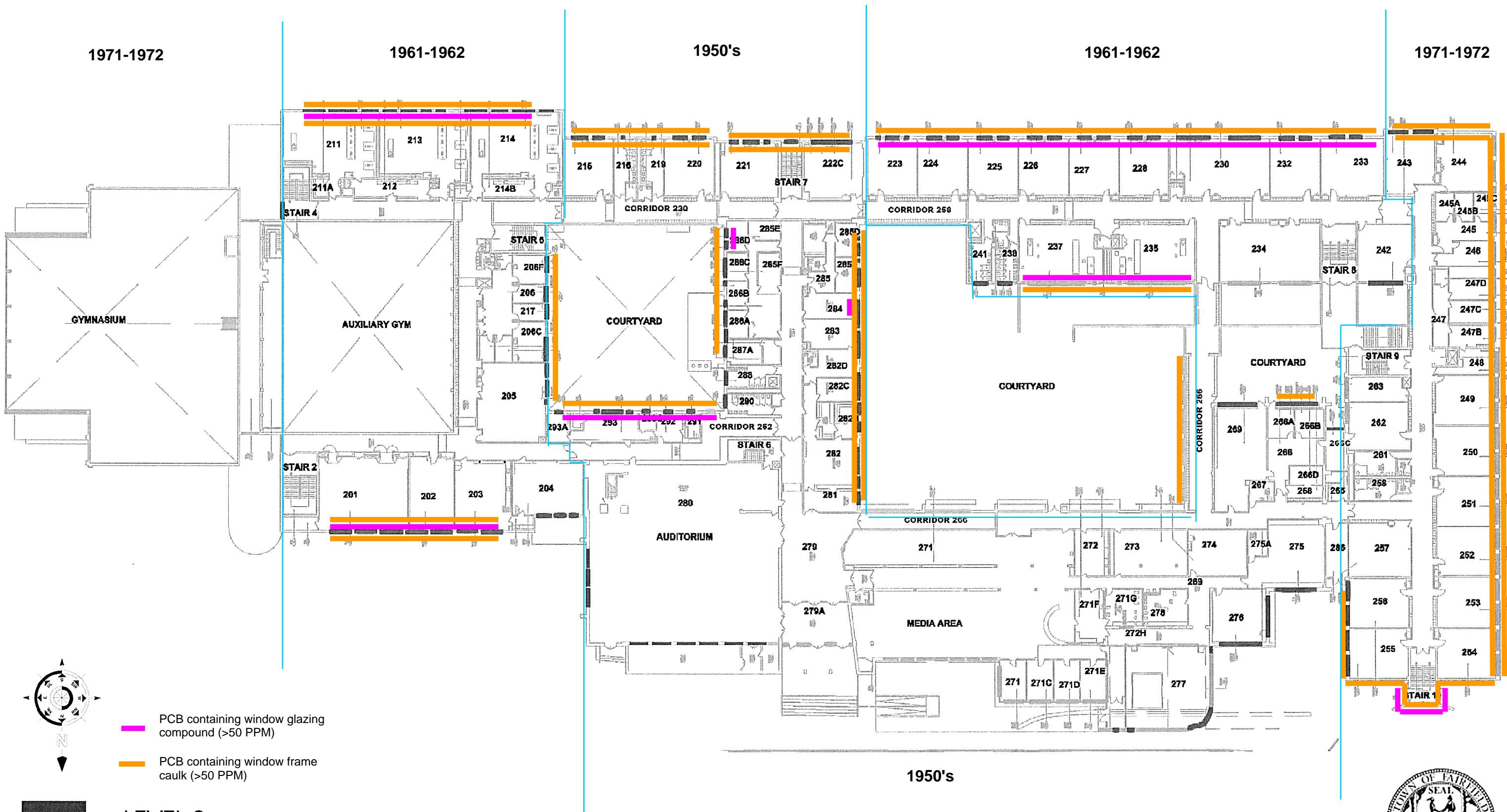
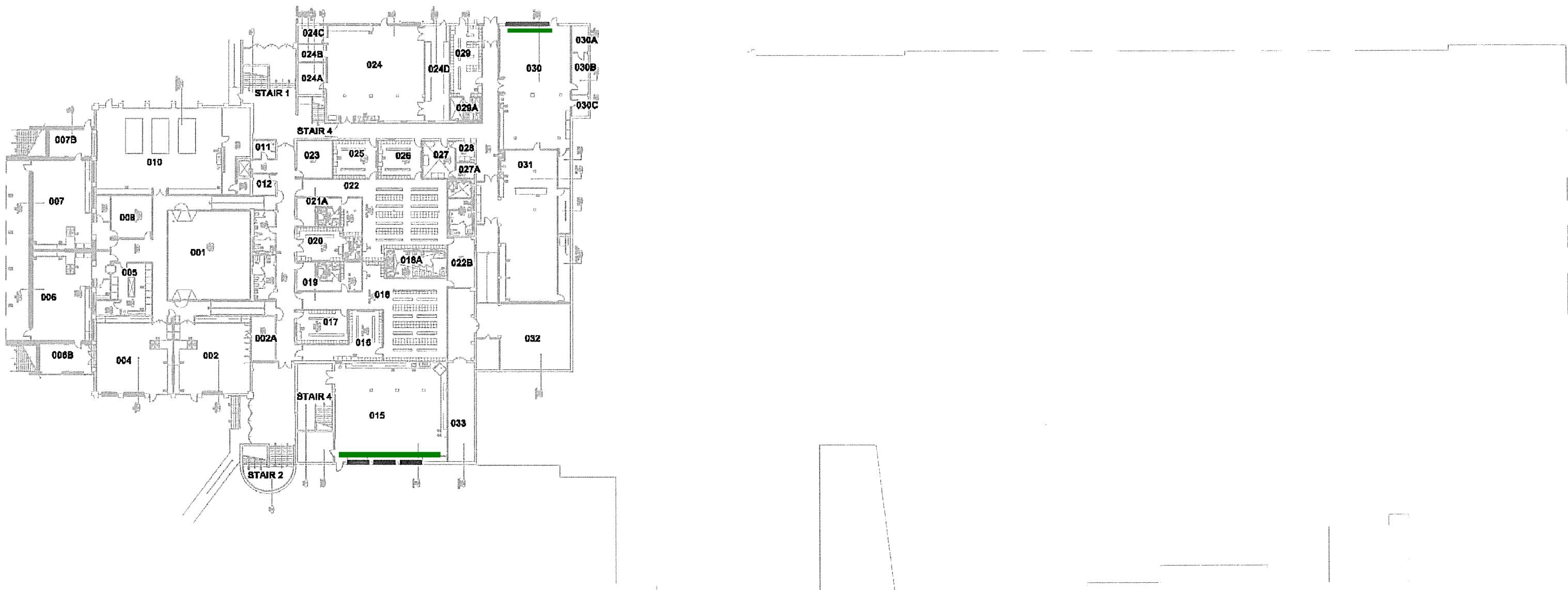


Diagram 4.2
Homogeneous Areas of PCB Bulk Samples >50 PPM



Diagram 4.3
Homogeneous Areas of ACM Bulk Samples



— Asbestos containing window
glazing compound

Diagram 4.3
Homogeneous Areas of ACM Bulk Samples

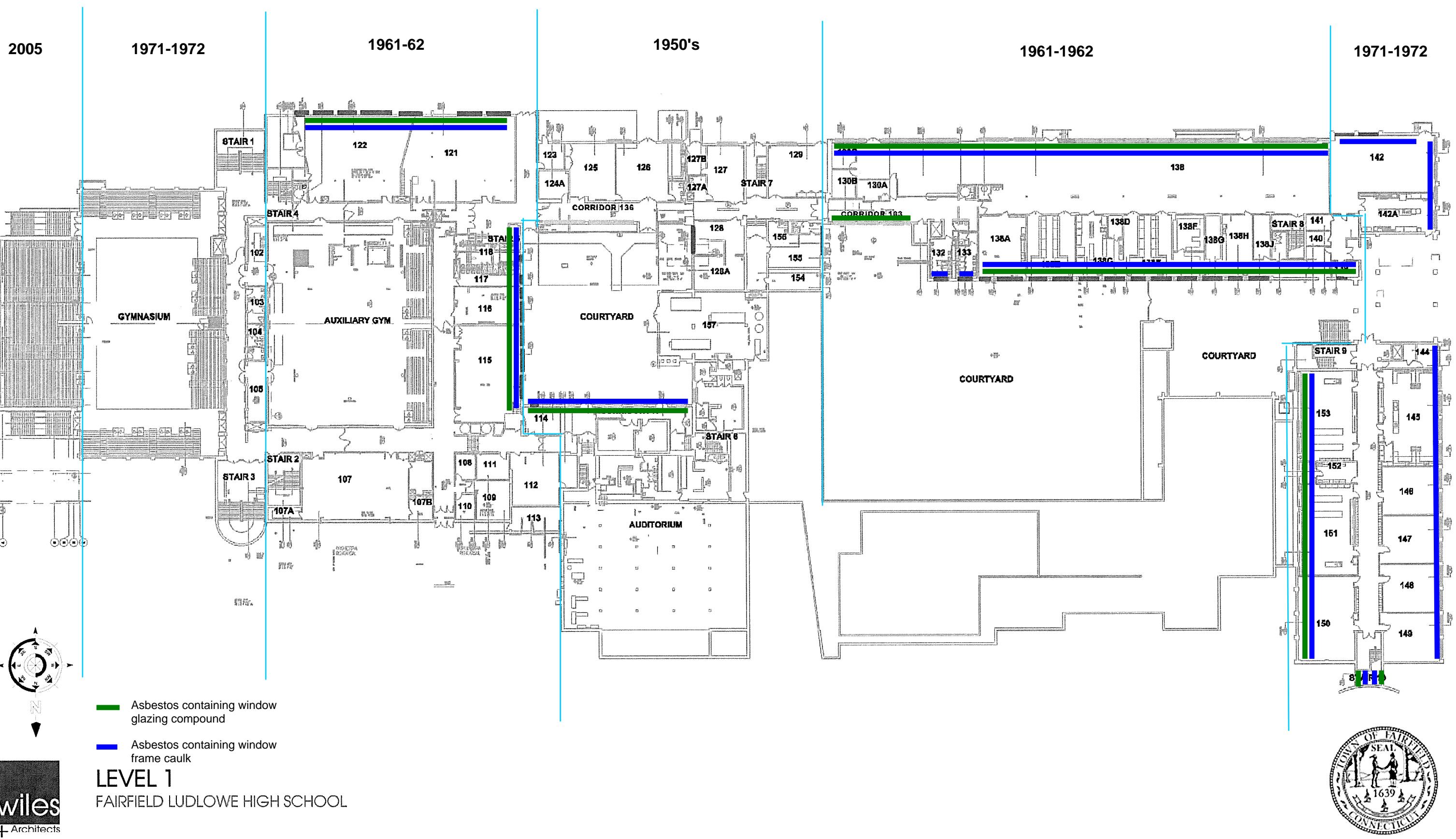


Diagram 4.3
Homogeneous Areas of ACM Bulk Samples

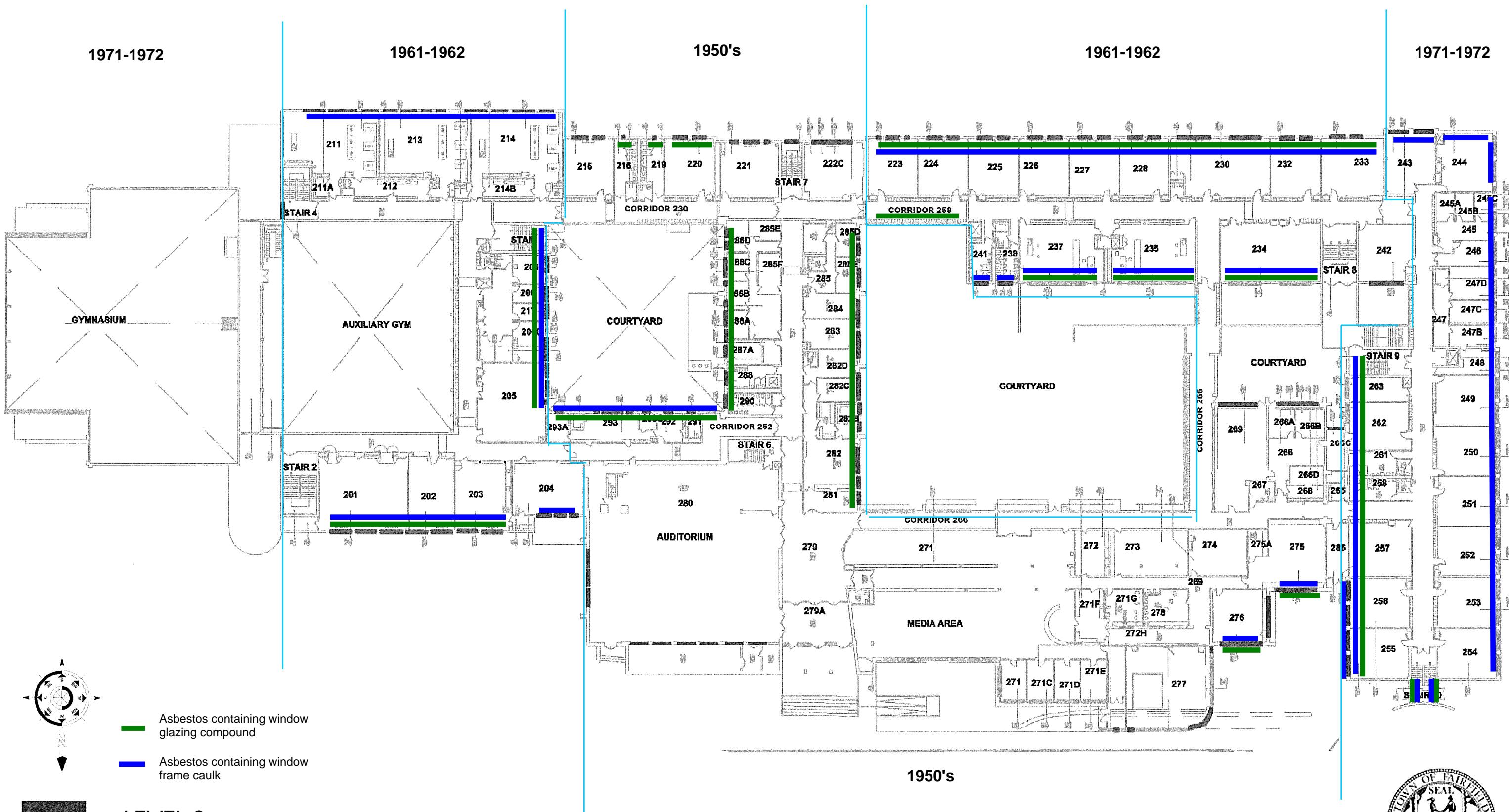


Diagram 4.3 Homogeneous Areas of ACM Bulk Samples



LEVEL 3

FAIRFIELD LUDLOWE HIGH SCHOOL

