EBI Consulting
environmental | engineering | due diligence

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April 21, 2016

Sebastian Mariscal Studios
Steven Azar, Director of Development
202 River Street
Cambridge, Massachusetts 02139
Electronic mail: steven@sebastianmariscal.com

Re: PCB Assessment of Exterior Caulk and Surrounding Building Materials
Former Powder House School Building
1060 Broadway
Somerville, Massachusetts

Dear Mr. Azar:

EnviroBusiness, Inc. (dba EBI Consulting, hereinafter "EBI"), is pleased to provide you with this summary letter report for the exterior assessment of polychlorinated biphenyls (PCBs) in caulking and building materials surrounding the caulking at the former Powder House School Building located at 1060 Broadway in Somerville, Massachusetts (the Site). EBI was retained by Sebastian Mariscal Studios to complete this work in accordance with the proposed scope of work outlined in EBI's proposal dated March 18, 2016. Work conducted by EBI, analytical results, and applicable findings from the assessment are summarized below.

BACKGROUND

PCBs were detected at concentrations above 50 parts per million (ppm) in caulking at three (3) exterior locations during a building material survey performed by Axiom Partners, Inc. (Axiom) in March 2014. PCBs in building materials above 50 ppm are referred to as PCB Bulk Product and are regulated under the United States Environmental Protection Agency (USEPA) Toxic Substances Control Act (TSCA) 40 CFR 761. These exterior areas included:

- Gray caulking in vertical construction joints located between exterior concrete spandrel beam panels and concrete masonry unit (CMU) wall (Sample ID: PHS-1FL-19C);
- White caulking in horizontal construction joints located between exterior concrete spandrel beam panels (PHS-MROOF-02); and
- Gray caulking under black paint surrounding exterior metal door frame at the middle roof leading to the mechanical room (PHS-MROOF-04).

In September 2015, Axiom collected substrate samples from areas proximal to the caulking with concentrations greater than 50 ppm in an effort to determine if the PCBs had migrated from the caulking into the surrounding substrate (concrete). Samples of concrete were collected 6-inches away from the caulk. None of the samples had PCB concentrations greater than 1 ppm. As a result, Axiom recommended that the caulking with concentrations greater than 50 ppm and the surrounding substrate within 6-inches of the caulking should be removed and disposed of as PCB Bulk Product Waste in accordance with TSCA 40 CFR 761.

SUMMARY OF ASSESSMENT ACTIVITIES

On March 23, 2016, EBI personnel mobilized to the Site to conduct PCB assessment activities. The assessment objective was to evaluate for the presence of PCB-containing building materials (caulking and surrounding substrate materials) that would require special management as part of the proposed renovation activities. Additional caulking and surrounding substrate samples were collected in an attempt to determine a cost effective approach for PCB remediation during the proposed demolition/redevelopment of the Site building.

Field Activities

During the March 23, 2016 assessment, EBI collected two (2) caulk samples in distinctly different areas from locations that were previously sampled by Axiom. EBI-C-1, was collected from the building face at the northeastern portion of the exterior along Broadway. The caulk sample was collected from a concrete vertical joint, between concrete spandrel beam panels. The second caulk sample (EBI-C-2), was collected from the building face at the southern portion of the exterior that abuts the existing Tufts University building. The caulk sample was collected from a concrete vertical joint, between a spandrel beam panel and CMU block wall. Caulk samples were collected via hand tools (i.e. screwdriver, hammer, pliers) and the tools were decontaminated with hexane between uses.

EBI collected three (3) concrete substrate samples adjacent to, 1-inch, and 3-inches away from the caulking samples that EBI collected. At caulk sample EBI-C-1, samples from the concrete spandrel beam were collected (sample series EBI-S1). At caulk sample EBI-C-2, the samples were collected from the CMU (sample series EBI-S6).

EBI collected three (3) concrete substrate samples adjacent to, 1-inch, and 3-inches away from the caulking samples that Axiom collected that contained PCB concentrations greater than 50 ppm. At Axiom horizontal caulk sample PHS-MROOF-02, three (3) samples were collected from the concrete spandrel beam (sample series EBI-S2) and CMU (sample series EBI-S3) which surrounded the caulk joint. These samples were collected from the western area of the building exterior, on the middle roof.

At Axiom vertical caulk sample PHS-1FL-19C, three (3) samples were collected from the concrete spandrel beam (sample series EBI-S4) and CMU (sample series EBI-S5) which surrounded the caulk joint. These samples were collected on the exterior of the building, but within the open-air courtyard.

EBI collected a sample from the concrete joint beneath the caulk that Axiom previously sampled. These samples were collected beneath caulk samples PHS-MROOF-02 and PHS-1FL-19C. The caulking was removed using hand tools, then a sample located beneath the caulking was collected using hand tools. The samples are identified as EBI-SA and EBI-SB, respectively. Note, it is likely that the caulk was not fully removed from the concrete joint prior to sampling due to the lack of proper tools and the adhesive nature of the caulking.

Concrete substrate samples were collected using a hammer drill with a ½" and ¼" drill bits, and hand tools. The sampling equipment was decontaminated with a hexane between uses.

Laboratory Analysis Results

All samples were transported under chain-of-custody documentation to Con-Test Analytical Laboratory (Con-Test) of East Longmeadow, Massachusetts for PCB analysis. Samples were analyzed following USEPA Method 3540C for Soxhlet extraction and Method 8082 for PCB analysis. A summary of the PCB analytical results is included in the attached Table 1. Photographs of the sample locations are included as Appendix A.

Caulk samples EBI-C-1 and EBI-C-2 contained PCBs at concentrations of 1,860 ppm and 2,290 ppm, respectively. This exterior caulk was located between spandrel beams and between spandrel beams and CMU. These results confirmed the presence of PCBs at concentrations greater than 50 ppm in exterior caulking.

Concrete samples collected from the spandrel beams for laboratory analysis directly adjacent to the caulk joints (EBI-S1-.5, EBI-S2-.5, EBI-S4-.5) all exhibited PCBs at concentrations less than 1 ppm. As a result, no additional concrete substrate samples were submitted from the spandrel beams for laboratory analysis.

Two (2) of the three (3) concrete samples collected from the CMU block wall for laboratory analysis, directly adjacent to the caulk joints (EBI-S3-.5, EBI-S6-.5) exhibited PCBs at concentrations greater than 1 ppm (1.29 ppm and 11.0 ppm, respectively). As a result, samples EBI-S3-1 and EBI-S6-1 which were collected 1-inch away from the caulk, were submitted for PCB analysis. The results of the 1-inch samples from EBI-S3-1 and EBI-S6-1 were 0.297 ppm and 0.40 ppm, respectively. As a result, no additional concrete substrate samples were submitted from the CMU block for laboratory analysis. CMU sample EBI-S5-.5 had a PCB concentration of 0.46 ppm, and as a result, no additional samples were submitted for laboratory analysis.

Two (2) concrete samples, identified as EBI-SA and EBI-SB, were collected after the hand removal of PCB-impacted caulk that had been sampled by Axiom, identified as PHS-1FL-19C and PHS-MROOF-02 respectively. The samples were collected at the surface of the concrete joint, after removal of the impacted caulk. EBI-SA was collected from a porous concrete seam between spandrel beam and CMU block. EBI-SB was collected from a less porous concrete seam at the spandrel beam. Sample EBI-SA and EBI-SB had PCB concentrations of 4.9 ppm and 2.27 ppm, respectively. These samples were collected from the surface immediately below the former caulk and these low concentrations are similar to what was observed in the substrate at other locations. During mechanical removal of the caulk, an approximate ½-inch of substrate should be removed during caulk removal. The adhesive qualities of the caulk did not allow the caulk to be removed by hand and will require removal by mechanical means, to be performed/recommended by a PCB abatement contractor. Two (2) confirmatory samples will be required to be collected for laboratory analysis after the caulking has been removed to confirm the effectiveness of removal.

A summary of the laboratory analytical results is attached in Table 1. Sample locations are shown in the attached Photo Log in Appendix A and the laboratory analytical reports are included as Appendix B.

CONCLUSIONS AND RECOMMENDATIONS

The management of PCB containing building materials is regulated under the TSCA 40 CFR 761. A PCB containing material is classified by TSCA as PCB Bulk Product Waste, PCB Remediation Waste, or Excluded PCB Product. Materials that do not fall into one (1) of these categories and have PCB concentrations less than 1 ppm, are not regulated by TSCA.

- PCB Bulk Product Waste is a solid material that is in a non-liquid state and manufactured with PCBs that have a PCB concentration at the time of designation for disposal >/= 50 ppm. This definition also includes substrate material (i.e. brick, concrete, etc.) located adjacent to the PCB Bulk Product material (i.e. caulking) with PCB concentrations >/= 1 ppm, whose PCB source is the nearby PCB Bulk Product Waste.

- PCB Remediation Waste is a material with PCB concentrations >/= 1 ppm whose PCB source is a nearby PCB Bulk Product Waste.

- Excluded PCB Product is a material with PCB concentrations < 50 ppm where the source of PCBs is not a PCB Bulk Product Waste as defined in 40 CFR 761.3 if certain additional conditions are met.

The following materials and the associated Sample IDs that represent PCB Bulk Product Waste are listed below:

- Exterior caulking – Axiom Sample IDs: PHS-1FL-19C, PHS-MROOF-02, PHS-MROOF-04;
- Exterior caulking – EBI Sample IDs: EBI-C-1, EBI-C-2;
- Exterior CMU Block, 1" from all exterior caulking – EBI Sample IDs: EBI-S3-.5, EBI-S6-.5;
- Exterior concrete joints, behind existing PCB-impacted caulk – EBI Sample IDs: EBI-SA, EBI-SB.

In accordance with TSCA, all PCB Bulk Product Waste must be removed and disposed at an approved facility in accordance with TSCA regulations and should be performed by a licensed abatement contractor who is trained and certified to perform such activities. All exterior caulking must be properly and safely removed as a PCB Bulk Product Waste. This caulking must be removed by mechanical means to properly ensure all the impacted caulking has been removed, including approximately ½-inch of concrete beneath. Two (2) confirmatory samples should be collected for laboratory analysis during/after the caulking has been removed to confirm the effectiveness of removal.

Where exterior caulking and CMU block panel are encountered, 1-inch of CMU must removed in all directions surrounding the caulking. This material must be disposed of as PCB Bulk Product Waste per the TSCA regulations. This abatement must be conducted in accordance with a Performance-Based Disposal in accordance with 40 CFR 761.61(b). USEPA review/notification is not required. All other CMU block walls that will be removed as part of the renovation (greater than 1-inch from any caulking) had PCB concentrations less

than 1 ppm. As a result, this material is unregulated under TSCA and can be disposed of as general demolition debris.

Thank you for the opportunity and we look forward to working with Sebastian Mariscal Studios again in the near future. Please call with any comments or questions you may have.

Respectfully submitted,
EBI CONSULTING

Andy Fiedler
Project Manager
(781) 418-2342

Attachments

Table 1 – Summary of PCB Analytical Results
Appendix A – Photo Log
Appendix B – Laboratory Analytical Reports

TABLE 1 – SUMMARY OF PCB ANALYTICAL RESULTS

Former Powder House School Building
1060 Broadway
Somerville, Massachusetts
PCB Sampling Table

Parameter	PCB Bulk Product Waste Threshold	PCB Remediation Waste Threshold	SAMPLING LOCATION											
			EBI-C-1	EBI-S1-.5	EBI-S2-.5	EBI-S3-.5	EBI-S3-1	EBI-S4-.5	EBI-S5-.5	EBI-C-2	EBI-S6-.5	EBI-S6-1	EBI-SA	EBI-SB
Sampling Date			3/23/2016	3/23/2016	3/23/2016	3/23/2016	3/23/2016	3/23/2016	3/23/2016	3/23/2016	3/23/2016	3/23/2016	3/23/2016	3/23/2016
Media Sampled			Joint Caulking	Spandral Beam (adjacent to caulk)	Spandral Beam (adjacent to caulk)	CMU Panel (adjacent to caulk)	CMU Panel (1' from caulk)	Spandral Beam (adjacent to caulk)	CMU Panel (adjacent to caulk)	Joint Caulking	CMU Panel (adjacent to caulk)	CMU Panel (1" from caulk)	Concrete Joint Beneath Caulk	Concrete Joint Beneath Caulk
PCBS EPA 8082A (mg/Kg)														
Total PCBs	50	1	**1860**	0.48	0.61	**1.29**	0.297	0.32	0.46	**2290**	**11.0**	0.4	**4.9**	**2.27**
PCB 1248			1300	0.34	0.42	0.89	0.2	0.15	0.27	1500	7.2	0.27	2.6	1.5
PCB 1254			560	0.14	0.19	0.4	0.097	0.17	0.19	600	3.8	0.13	2.3	0.77
PCB 1260			ND (88)	ND (0.091)	ND (0.089)	ND (0.094)	ND (0.087)	ND (0.085)	ND (0.092)	190	ND (2.0)	ND (0.085)	ND (0.83)	ND (0.33)

NOTES:
1. PCBs - Polychlorinated Biphenyls by EPA Method 8082A plus SOXHLET Extracation
2. mg/Kg - milligrams per kilogram
3. ND - Not detected above the lab reporting limits shown in parenthesis.
4. See laboratory reports for additional information and reporting limits for detected compounds.
5. Bold and shaded - PCB concntrations greater than 50 ppm - PCB Bulk Product Waste
6. Bold - PCB results greater than 1 ppm

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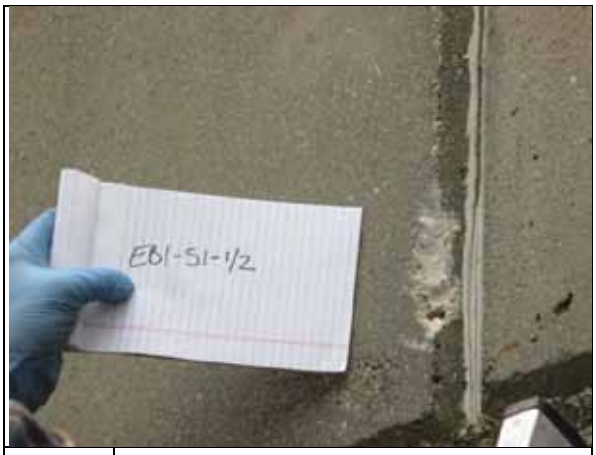
APPENDIX A

PHOTOGRAPHIC LOG

1.	Caulk sample "EBI-C-1". Northeastern portion of building face.



2.	Concrete sample "EBI-S1-.5" adjacent to caulk sample "EBI-1-C". Northeastern portion of building face.

3.	Concrete sample "EBI-S2-.5" adjacent to Axiom caulk sample "PHS-MROOF-02". Middle roof.

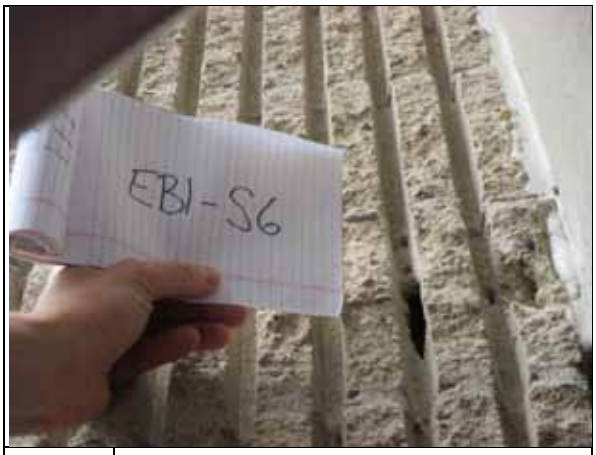
4.	CMU sample "EBI-S3-.5" and "EBI-S3-1" adjacent to and 1-inch away from Axiom caulk sample "PHS-MROOF-02". Midroof.

5.	Concrete sample "EBI-S4-.5" adjacent to Axiom caulk sample "PHS-1FL-19C". Courtyard.

6.	CMU sample "EBI-S5-.5" adjacent to Axiom caulk sample "PHS-1FL-19C". Courtyard.

7.	Caulk sample "EBI-C-2". Southern portion of building face.

9.	Concrete joint sample "EBI-SA" beneath Axiom caulk sample "PHS-1FL-19C". Courtyard.



8.	CMU sample "EBI-S6-.5" and "EBI-S6-1" adjacent to and 1-inch away from caulk sample "EBI-C-2". South edge of building.

10.	Concrete joint sample "EBI-SB" beneath Axiom caulk sample "PHS-MROOF-02". Middle Roof.

APPENDIX B

LABORATORY ANALYTICAL REPORTS

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

March 31, 2016

Andy Fiedler
EBI Consultants
21 B Street
Burlington, MA 01803

Project Location: Powder House
Client Job Number:
Project Number: 5116000018
Laboratory Work Order Number: 16C1100

Enclosed are results of analyses for samples received by the laboratory on March 24, 2016. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Meghan E. Kelley
Project Manager

Table of Contents

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

EBI Consultants
21 B Street
Burlington, MA 01803
ATTN: Andy Fiedler

REPORT DATE: 3/31/2016

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 5116000018

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 16C1100

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

PROJECT LOCATION: Powder House

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
EBI-C-1	16C1100-01	Caulk		SW-846 8082A	
EBI-S1-.5	16C1100-02	Concrete		SW-846 8082A	
EBI-S2-.5	16C1100-03	Concrete		SW-846 8082A	
EBI-S3-.5	16C1100-04	Concrete		SW-846 8082A	
EBI-S4-.5	16C1100-05	Concrete		SW-846 8082A	
EBI-S5-.5	16C1100-06	Concrete		SW-846 8082A	
EBI-S6-.5	16C1100-07	Concrete		SW-846 8082A	
EBI-SA	16C1100-08	Concrete		SW-846 8082A	
EBI-SB	16C1100-09	Concrete		SW-846 8082A	
EBI-C-2	16C1100-10	Caulk		SW-846 8082A	

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

CASE NARRATIVE SUMMARY

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

SW-846 8082A

Qualifications:

MS-21

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
B145106-MS1, B145106-MSD1

Aroclor-1016 [2C]
B145106-MS1, B145106-MSD1

P-01

Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.

Analyte & Samples(s) Qualified:

Aroclor-1248
16C1100-08[EBI-SA]

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.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl
16C1100-01[EBI-C-1], 16C1100-10[EBI-C-2]

Decachlorobiphenyl [2C]
16C1100-01[EBI-C-1], 16C1100-10[EBI-C-2]

Tetrachloro-m-xylene
16C1100-01[EBI-C-1], 16C1100-10[EBI-C-2]

Tetrachloro-m-xylene [2C]
16C1100-01[EBI-C-1], 16C1100-10[EBI-C-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.

Lisa A. Worthington
Project Manager

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

Project Location: Powder House | Sample Description: | Work Order: 16C1100

Date Received: 3/24/2016

Field Sample #: EBI-C-1 | Sampled: 3/23/2016 09:00

Sample ID: 16C1100-01

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	88	mg/Kg	500		SW-846 8082A	3/25/16	3/30/16 15:27	KAL
Aroclor-1221 [1]	ND	88	mg/Kg	500		SW-846 8082A	3/25/16	3/30/16 15:27	KAL
Aroclor-1232 [1]	ND	88	mg/Kg	500		SW-846 8082A	3/25/16	3/30/16 15:27	KAL
Aroclor-1242 [1]	ND	88	mg/Kg	500		SW-846 8082A	3/25/16	3/30/16 15:27	KAL
Aroclor-1248 [1]	1300	88	mg/Kg	500		SW-846 8082A	3/25/16	3/30/16 15:27	KAL
Aroclor-1254 [1]	560	88	mg/Kg	500		SW-846 8082A	3/25/16	3/30/16 15:27	KAL
Aroclor-1260 [1]	ND	88	mg/Kg	500		SW-846 8082A	3/25/16	3/30/16 15:27	KAL
Aroclor-1262 [1]	ND	88	mg/Kg	500		SW-846 8082A	3/25/16	3/30/16 15:27	KAL
Aroclor-1268 [1]	ND	88	mg/Kg	500		SW-846 8082A	3/25/16	3/30/16 15:27	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	3/30/16 15:27
Decachlorobiphenyl [2]	*	30-150	S-01	3/30/16 15:27
Tetrachloro-m-xylene [1]	*	30-150	S-01	3/30/16 15:27
Tetrachloro-m-xylene [2]	*	30-150	S-01	3/30/16 15:27

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

Project Location: Powder House | Sample Description: | Work Order: 16C1100

Date Received: 3/24/2016

Field Sample #: EBI-S1-.5 | Sampled: 3/23/2016 09:10

Sample ID: 16C1100-02

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 20:33	KAL
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 20:33	KAL
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 20:33	KAL
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 20:33	KAL
Aroclor-1248 [1]	0.34	0.091	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 20:33	KAL
Aroclor-1254 [2]	0.14	0.091	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 20:33	KAL
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 20:33	KAL
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 20:33	KAL
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 20:33	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	108	30-150		3/28/16 20:33
Decachlorobiphenyl [2]	105	30-150		3/28/16 20:33
Tetrachloro-m-xylene [1]	102	30-150		3/28/16 20:33
Tetrachloro-m-xylene [2]	97.7	30-150		3/28/16 20:33

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Project Location: Powder House | Sample Description: | Work Order: 16C1100

Date Received: 3/24/2016

Field Sample #: EBI-S2-.5 | Sampled: 3/23/2016 10:30

Sample ID: 16C1100-03

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 20:46	KAL
Aroclor-1221 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 20:46	KAL
Aroclor-1232 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 20:46	KAL
Aroclor-1242 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 20:46	KAL
Aroclor-1248 [1]	0.42	0.089	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 20:46	KAL
Aroclor-1254 [2]	0.19	0.089	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 20:46	KAL
Aroclor-1260 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 20:46	KAL
Aroclor-1262 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 20:46	KAL
Aroclor-1268 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 20:46	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.3	30-150		3/28/16 20:46
Decachlorobiphenyl [2]	87.3	30-150		3/28/16 20:46
Tetrachloro-m-xylene [1]	85.1	30-150		3/28/16 20:46
Tetrachloro-m-xylene [2]	81.9	30-150		3/28/16 20:46

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

Project Location: Powder House | Sample Description: | Work Order: 16C1100

Date Received: 3/24/2016

Field Sample #: EBI-S3-.5 | Sampled: 3/23/2016 10:45

Sample ID: 16C1100-04

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 20:59	KAL
Aroclor-1221 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 20:59	KAL
Aroclor-1232 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 20:59	KAL
Aroclor-1242 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 20:59	KAL
Aroclor-1248 [1]	0.89	0.094	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 20:59	KAL
Aroclor-1254 [2]	0.40	0.094	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 20:59	KAL
Aroclor-1260 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 20:59	KAL
Aroclor-1262 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 20:59	KAL
Aroclor-1268 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 20:59	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	109	30-150		3/28/16 20:59
Decachlorobiphenyl [2]	103	30-150		3/28/16 20:59
Tetrachloro-m-xylene [1]	92.2	30-150		3/28/16 20:59
Tetrachloro-m-xylene [2]	89.5	30-150		3/28/16 20:59

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Project Location: Powder House | Sample Description: | Work Order: 16C1100

Date Received: 3/24/2016

Field Sample #: EBI-S4-.5 | Sampled: 3/23/2016 11:45

Sample ID: 16C1100-05

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 21:12	KAL
Aroclor-1221 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 21:12	KAL
Aroclor-1232 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 21:12	KAL
Aroclor-1242 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 21:12	KAL
Aroclor-1248 [1]	0.15	0.085	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 21:12	KAL
Aroclor-1254 [2]	0.17	0.085	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 21:12	KAL
Aroclor-1260 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 21:12	KAL
Aroclor-1262 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 21:12	KAL
Aroclor-1268 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 21:12	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	93.4	30-150		3/28/16 21:12
Decachlorobiphenyl [2]	90.2	30-150		3/28/16 21:12
Tetrachloro-m-xylene [1]	91.6	30-150		3/28/16 21:12
Tetrachloro-m-xylene [2]	87.9	30-150		3/28/16 21:12

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

Project Location: Powder House | Sample Description: | Work Order: 16C1100

Date Received: 3/24/2016

Field Sample #: EBI-S5-.5 | Sampled: 3/23/2016 13:00

Sample ID: 16C1100-06

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 21:25	KAL
Aroclor-1221 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 21:25	KAL
Aroclor-1232 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 21:25	KAL
Aroclor-1242 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 21:25	KAL
Aroclor-1248 [1]	0.27	0.092	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 21:25	KAL
Aroclor-1254 [2]	0.19	0.092	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 21:25	KAL
Aroclor-1260 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 21:25	KAL
Aroclor-1262 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 21:25	KAL
Aroclor-1268 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	3/25/16	3/28/16 21:25	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		3/28/16 21:25
Decachlorobiphenyl [2]	97.2	30-150		3/28/16 21:25
Tetrachloro-m-xylene [1]	89.5	30-150		3/28/16 21:25
Tetrachloro-m-xylene [2]	86.3	30-150		3/28/16 21:25

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Project Location: Powder House | Sample Description: | Work Order: 16C1100

Date Received: 3/24/2016

Field Sample #: EBI-S6-.5 | Sampled: 3/23/2016 13:45

Sample ID: 16C1100-07

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	3/25/16	3/30/16 12:43	KAL
Aroclor-1221 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	3/25/16	3/30/16 12:43	KAL
Aroclor-1232 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	3/25/16	3/30/16 12:43	KAL
Aroclor-1242 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	3/25/16	3/30/16 12:43	KAL
Aroclor-1248 [1]	7.2	2.0	mg/Kg	20		SW-846 8082A	3/25/16	3/30/16 12:43	KAL
Aroclor-1254 [1]	3.8	2.0	mg/Kg	20		SW-846 8082A	3/25/16	3/30/16 12:43	KAL
Aroclor-1260 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	3/25/16	3/30/16 12:43	KAL
Aroclor-1262 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	3/25/16	3/30/16 12:43	KAL
Aroclor-1268 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	3/25/16	3/30/16 12:43	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.8	30-150		3/30/16 12:43
Decachlorobiphenyl [2]	91.4	30-150		3/30/16 12:43
Tetrachloro-m-xylene [1]	72.9	30-150		3/30/16 12:43
Tetrachloro-m-xylene [2]	72.3	30-150		3/30/16 12:43

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Project Location: Powder House | Sample Description: | Work Order: 16C1100

Date Received: 3/24/2016

Field Sample #: EBI-SA | Sampled: 3/23/2016 14:15

Sample ID: 16C1100-08

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.83	mg/Kg	10		SW-846 8082A	3/25/16	3/30/16 13:01	KAL
Aroclor-1221 [1]	ND	0.83	mg/Kg	10		SW-846 8082A	3/25/16	3/30/16 13:01	KAL
Aroclor-1232 [1]	ND	0.83	mg/Kg	10		SW-846 8082A	3/25/16	3/30/16 13:01	KAL
Aroclor-1242 [1]	ND	0.83	mg/Kg	10		SW-846 8082A	3/25/16	3/30/16 13:01	KAL
Aroclor-1248 [1]	2.6	0.83	mg/Kg	10	P-01	SW-846 8082A	3/25/16	3/30/16 13:01	KAL
Aroclor-1254 [2]	2.3	0.83	mg/Kg	10		SW-846 8082A	3/25/16	3/30/16 13:01	KAL
Aroclor-1260 [2]	ND	0.83	mg/Kg	10		SW-846 8082A	3/25/16	3/30/16 13:01	KAL
Aroclor-1262 [1]	ND	0.83	mg/Kg	10		SW-846 8082A	3/25/16	3/30/16 13:01	KAL
Aroclor-1268 [1]	ND	0.83	mg/Kg	10		SW-846 8082A	3/25/16	3/30/16 13:01	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.1	30-150		3/30/16 13:01
Decachlorobiphenyl [2]	79.2	30-150		3/30/16 13:01
Tetrachloro-m-xylene [1]	60.7	30-150		3/30/16 13:01
Tetrachloro-m-xylene [2]	61.9	30-150		3/30/16 13:01

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Project Location: Powder House | Sample Description: | Work Order: 16C1100

Date Received: 3/24/2016

Field Sample #: EBI-SB | Sampled: 3/23/2016 14:30

Sample ID: 16C1100-09

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.33	mg/Kg	4		SW-846 8082A	3/25/16	3/30/16 13:19	KAL
Aroclor-1221 [1]	ND	0.33	mg/Kg	4		SW-846 8082A	3/25/16	3/30/16 13:19	KAL
Aroclor-1232 [1]	ND	0.33	mg/Kg	4		SW-846 8082A	3/25/16	3/30/16 13:19	KAL
Aroclor-1242 [1]	ND	0.33	mg/Kg	4		SW-846 8082A	3/25/16	3/30/16 13:19	KAL
Aroclor-1248 [1]	1.5	0.33	mg/Kg	4		SW-846 8082A	3/25/16	3/30/16 13:19	KAL
Aroclor-1254 [2]	0.77	0.33	mg/Kg	4		SW-846 8082A	3/25/16	3/30/16 13:19	KAL
Aroclor-1260 [1]	ND	0.33	mg/Kg	4		SW-846 8082A	3/25/16	3/30/16 13:19	KAL
Aroclor-1262 [1]	ND	0.33	mg/Kg	4		SW-846 8082A	3/25/16	3/30/16 13:19	KAL
Aroclor-1268 [1]	ND	0.33	mg/Kg	4		SW-846 8082A	3/25/16	3/30/16 13:19	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.2	30-150		3/30/16 13:19
Decachlorobiphenyl [2]	89.5	30-150		3/30/16 13:19
Tetrachloro-m-xylene [1]	90.5	30-150		3/30/16 13:19
Tetrachloro-m-xylene [2]	93.4	30-150		3/30/16 13:19

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Project Location: Powder House | Sample Description: | Work Order: 16C1100

Date Received: 3/24/2016

Field Sample #: EBI-C-2 | Sampled: 3/23/2016 13:35

Sample ID: 16C1100-10

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	89	mg/Kg	500		SW-846 8082A	3/25/16	3/30/16 15:45	KAL
Aroclor-1221 [1]	ND	89	mg/Kg	500		SW-846 8082A	3/25/16	3/30/16 15:45	KAL
Aroclor-1232 [1]	ND	89	mg/Kg	500		SW-846 8082A	3/25/16	3/30/16 15:45	KAL
Aroclor-1242 [1]	ND	89	mg/Kg	500		SW-846 8082A	3/25/16	3/30/16 15:45	KAL
Aroclor-1248 [1]	1500	89	mg/Kg	500		SW-846 8082A	3/25/16	3/30/16 15:45	KAL
Aroclor-1254 [1]	600	89	mg/Kg	500		SW-846 8082A	3/25/16	3/30/16 15:45	KAL
Aroclor-1260 [1]	190	89	mg/Kg	500		SW-846 8082A	3/25/16	3/30/16 15:45	KAL
Aroclor-1262 [1]	ND	89	mg/Kg	500		SW-846 8082A	3/25/16	3/30/16 15:45	KAL
Aroclor-1268 [1]	ND	89	mg/Kg	500		SW-846 8082A	3/25/16	3/30/16 15:45	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	3/30/16 15:45
Decachlorobiphenyl [2]	*	30-150	S-01	3/30/16 15:45
Tetrachloro-m-xylene [1]	*	30-150	S-01	3/30/16 15:45
Tetrachloro-m-xylene [2]	*	30-150	S-01	3/30/16 15:45

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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
16C1100-01 [EBI-C-1]	B145102	0.566	10.0	03/25/16
16C1100-10 [EBI-C-2]	B145102	0.560	10.0	03/25/16

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
16C1100-02 [EBI-S1-.5]	B145106	2.20	10.0	03/25/16
16C1100-03 [EBI-S2-.5]	B145106	2.24	10.0	03/25/16
16C1100-04 [EBI-S3-.5]	B145106	2.13	10.0	03/25/16
16C1100-05 [EBI-S4-.5]	B145106	2.35	10.0	03/25/16
16C1100-06 [EBI-S5-.5]	B145106	2.17	10.0	03/25/16
16C1100-07 [EBI-S6-.5]	B145106	2.05	10.0	03/25/16
16C1100-08 [EBI-SA]	B145106	2.42	10.0	03/25/16
16C1100-09 [EBI-SB]	B145106	2.45	10.0	03/25/16

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B145102 - SW-846 3540C										
Blank (B145102-BLK1)				Prepared: 03/25/16 Analyzed: 03/30/16						
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	*3.78*		mg/Kg	4.00		94.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.35*		mg/Kg	4.00		83.7	30-150			
Surrogate: Tetrachloro-m-xylene	*3.07*		mg/Kg	4.00		76.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.80*		mg/Kg	4.00		69.9	30-150			
LCS (B145102-BS1)				Prepared: 03/25/16 Analyzed: 03/30/16						
Aroclor-1016	2.6	0.20	mg/Kg	4.00		65.2	40-140			
Aroclor-1016 [2C]	2.6	0.20	mg/Kg	4.00		63.8	40-140			
Aroclor-1260	3.1	0.20	mg/Kg	4.00		76.6	40-140			
Aroclor-1260 [2C]	2.9	0.20	mg/Kg	4.00		72.2	40-140			
Surrogate: Decachlorobiphenyl	*3.74*		mg/Kg	4.00		93.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.34*		mg/Kg	4.00		83.4	30-150			
Surrogate: Tetrachloro-m-xylene	*3.10*		mg/Kg	4.00		77.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.82*		mg/Kg	4.00		70.5	30-150			
LCS Dup (B145102-BSD1)				Prepared: 03/25/16 Analyzed: 03/30/16						
Aroclor-1016	2.6	0.20	mg/Kg	4.00		65.2	40-140	0.119	30	
Aroclor-1016 [2C]	2.6	0.20	mg/Kg	4.00		65.1	40-140	1.95	30	
Aroclor-1260	3.1	0.20	mg/Kg	4.00		76.9	40-140	0.426	30	
Aroclor-1260 [2C]	2.9	0.20	mg/Kg	4.00		72.1	40-140	0.130	30	
Surrogate: Decachlorobiphenyl	*3.68*		mg/Kg	4.00		92.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.26*		mg/Kg	4.00		81.5	30-150			
Surrogate: Tetrachloro-m-xylene	*3.13*		mg/Kg	4.00		78.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.83*		mg/Kg	4.00		70.8	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B145106 - SW-846 3540C										
Blank (B145106-BLK1)				Prepared: 03/25/16 Analyzed: 03/28/16						
Aroclor-1016	ND	0.085	mg/Kg							
Aroclor-1016 [2C]	ND	0.085	mg/Kg							
Aroclor-1221	ND	0.085	mg/Kg							
Aroclor-1221 [2C]	ND	0.085	mg/Kg							
Aroclor-1232	ND	0.085	mg/Kg							
Aroclor-1232 [2C]	ND	0.085	mg/Kg							
Aroclor-1242	ND	0.085	mg/Kg							
Aroclor-1242 [2C]	ND	0.085	mg/Kg							
Aroclor-1248	ND	0.085	mg/Kg							
Aroclor-1248 [2C]	ND	0.085	mg/Kg							
Aroclor-1254	ND	0.085	mg/Kg							
Aroclor-1254 [2C]	ND	0.085	mg/Kg							
Aroclor-1260	ND	0.085	mg/Kg							
Aroclor-1260 [2C]	ND	0.085	mg/Kg							
Aroclor-1262	ND	0.085	mg/Kg							
Aroclor-1262 [2C]	ND	0.085	mg/Kg							
Aroclor-1268	ND	0.085	mg/Kg							
Aroclor-1268 [2C]	ND	0.085	mg/Kg							
Surrogate: Decachlorobiphenyl	*0.745*		mg/Kg	0.851		87.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.730*		mg/Kg	0.851		85.8	30-150			
Surrogate: Tetrachloro-m-xylene	*0.684*		mg/Kg	0.851		80.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.664*		mg/Kg	0.851		78.0	30-150			
LCS (B145106-BS1)				Prepared: 03/25/16 Analyzed: 03/28/16						
Aroclor-1016	0.25	0.094	mg/Kg	0.236		108	40-140			
Aroclor-1016 [2C]	0.23	0.094	mg/Kg	0.236		97.8	40-140			
Aroclor-1260	0.24	0.094	mg/Kg	0.236		103	40-140			
Aroclor-1260 [2C]	0.24	0.094	mg/Kg	0.236		103	40-140			
Surrogate: Decachlorobiphenyl	*0.920*		mg/Kg	0.943		97.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.926*		mg/Kg	0.943		98.1	30-150			
Surrogate: Tetrachloro-m-xylene	*0.850*		mg/Kg	0.943		90.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.831*		mg/Kg	0.943		88.1	30-150			
LCS Dup (B145106-BSD1)				Prepared: 03/25/16 Analyzed: 03/28/16						
Aroclor-1016	0.26	0.090	mg/Kg	0.226		117	40-140	3.84	30	
Aroclor-1016 [2C]	0.23	0.090	mg/Kg	0.226		103	40-140	0.919	30	
Aroclor-1260	0.25	0.090	mg/Kg	0.226		109	40-140	1.38	30	
Aroclor-1260 [2C]	0.24	0.090	mg/Kg	0.226		106	40-140	1.59	30	
Surrogate: Decachlorobiphenyl	*0.931*		mg/Kg	0.905		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.923*		mg/Kg	0.905		102	30-150			
Surrogate: Tetrachloro-m-xylene	*0.865*		mg/Kg	0.905		95.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.834*		mg/Kg	0.905		92.2	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B145106 - SW-846 3540C											
Matrix Spike (B145106-MS1)	**Source: 16C1100-02**			Prepared: 03/25/16 Analyzed: 03/28/16							
Aroclor-1016	0.63	0.098	mg/Kg	0.244	ND	**259**	*	40-140			MS-21
Aroclor-1016 [2C]	0.63	0.098	mg/Kg	0.244	ND	**258**	*	40-140			MS-21
Aroclor-1260	0.25	0.098	mg/Kg	0.244	ND	104		40-140			
Aroclor-1260 [2C]	0.30	0.098	mg/Kg	0.244	ND	121		40-140			
Surrogate: Decachlorobiphenyl	*0.990*		mg/Kg	0.976		101		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.925*		mg/Kg	0.976		94.8		30-150			
Surrogate: Tetrachloro-m-xylene	*0.972*		mg/Kg	0.976		99.6		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.929*		mg/Kg	0.976		95.2		30-150			
Matrix Spike Dup (B145106-MSD1)	**Source: 16C1100-02**			Prepared: 03/25/16 Analyzed: 03/28/16							
Aroclor-1016	0.64	0.099	mg/Kg	0.248	ND	**259**	*	40-140	1.28	50	MS-21
Aroclor-1016 [2C]	0.64	0.099	mg/Kg	0.248	ND	**260**	*	40-140	2.04	50	MS-21
Aroclor-1260	0.28	0.099	mg/Kg	0.248	ND	113		40-140	9.08	50	
Aroclor-1260 [2C]	0.29	0.099	mg/Kg	0.248	ND	117		40-140	2.27	50	
Surrogate: Decachlorobiphenyl	*1.04*		mg/Kg	0.990		105		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.991*		mg/Kg	0.990		100		30-150			
Surrogate: Tetrachloro-m-xylene	*1.02*		mg/Kg	0.990		103		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.986*		mg/Kg	0.990		99.5		30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

EBI-C-1

Lab Sample ID: 16C1100-01 Date(s) Analyzed: 03/30/2016 03/30/2016

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1248	1	0.00	0.00	0.00	1300	
	2	0.00	0.00	0.00	1000	25.3
Aroclor-1254	1	0.00	0.00	0.00	560	
	2	0.00	0.00	0.00	510	9.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

EBI-S1-.5

Lab Sample ID: 16C1100-02 Date(s) Analyzed: 03/28/2016 03/28/2016

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1248	1	0.00	0.00	0.00	0.34	
	2	0.00	0.00	0.00	0.31	8.6
Aroclor-1254	1	0.00	0.00	0.00	0.13	
	2	0.00	0.00	0.00	0.14	10.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

EBI-S2-.5

Lab Sample ID: 16C1100-03 Date(s) Analyzed: 03/28/2016 03/28/2016

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1248	1	0.00	0.00	0.00	0.42	
	2	0.00	0.00	0.00	0.39	6.9
Aroclor-1254	1	0.00	0.00	0.00	0.16	
	2	0.00	0.00	0.00	0.19	19.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

EBI-S3-.5

Lab Sample ID: 16C1100-04

Date(s) Analyzed: 03/28/2016 03/28/2016

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1248	1	0.00	0.00	0.00	0.89	
	2	0.00	0.00	0.00	0.78	12.9
Aroclor-1254	1	0.00	0.00	0.00	0.31	
	2	0.00	0.00	0.00	0.40	25.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

EBI-S4-.5

Lab Sample ID: 16C1100-05 Date(s) Analyzed: 03/28/2016 03/28/2016

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1248	1	0.00	0.00	0.00	0.15	
	2	0.00	0.00	0.00	0.13	16.9
Aroclor-1254	1	0.00	0.00	0.00	0.13	
	2	0.00	0.00	0.00	0.17	30.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

EBI-S5-.5

Lab Sample ID: 16C1100-06

Date(s) Analyzed: 03/28/2016 03/28/2016

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1248	1	0.00	0.00	0.00	0.27	
	2	0.00	0.00	0.00	0.21	25.4
Aroclor-1254	1	0.00	0.00	0.00	0.16	
	2	0.00	0.00	0.00	0.19	20.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

EBI-S6-.5

Lab Sample ID: 16C1100-07

Date(s) Analyzed: 03/30/2016 03/30/2016

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1248	1	0.00	0.00	0.00	7.2	
	2	0.00	0.00	0.00	5.7	23.1
Aroclor-1254	1	0.00	0.00	0.00	3.8	
	2	0.00	0.00	0.00	3.5	7.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

EBI-SA

Lab Sample ID: 16C1100-08

Date(s) Analyzed: 03/30/2016 03/30/2016

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1248	1	0.00	0.00	0.00	2.6	
	2	0.00	0.00	0.00	1.7	43.0
Aroclor-1254	1	0.00	0.00	0.00	2.2	
	2	0.00	0.00	0.00	2.3	3.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

EBI-SB

Lab Sample ID: 16C1100-09 Date(s) Analyzed: 03/30/2016 03/30/2016

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1248	1	0.00	0.00	0.00	1.5	
	2	0.00	0.00	0.00	1.2	22.2
Aroclor-1254	1	0.00	0.00	0.00	0.73	
	2	0.00	0.00	0.00	0.77	5.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

EBI-C-2

Lab Sample ID: 16C1100-10 Date(s) Analyzed: 03/30/2016 03/30/2016

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1248	1	0.00	0.00	0.00	1500	
	2	0.00	0.00	0.00	1300	13.6
Aroclor-1254	1	0.00	0.00	0.00	600	
	2	0.00	0.00	0.00	570	5.1
Aroclor-1260	1	0.00	0.00	0.00	190	
	2	0.00	0.00	0.00	140	30.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B145102-BS1 Date(s) Analyzed: 03/30/2016 03/30/2016

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	2.6	
	2	0.00	0.00	0.00	2.6	0
Aroclor-1260	1	0.00	0.00	0.00	3.1	
	2	0.00	0.00	0.00	2.9	5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B145102-BSD1 Date(s) Analyzed: 03/30/2016 03/30/2016

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	2.6	
	2	0.00	0.00	0.00	2.6	0
Aroclor-1260	1	0.00	0.00	0.00	3.1	
	2	0.00	0.00	0.00	2.9	6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B145106-BS1 Date(s) Analyzed: 03/28/2016 03/28/2016

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.25	
	2	0.00	0.00	0.00	0.23	10
Aroclor-1260	1	0.00	0.00	0.00	0.24	
	2	0.00	0.00	0.00	0.24	1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B145106-BSD1 Date(s) Analyzed: 03/28/2016 03/28/2016

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.23	14
Aroclor-1260	1	0.00	0.00	0.00	0.25	
	2	0.00	0.00	0.00	0.24	2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike

Lab Sample ID: B145106-MS1 Date(s) Analyzed: 03/28/2016 03/28/2016

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.63	
	2	0.00	0.00	0.00	0.63	0
Aroclor-1260	1	0.00	0.00	0.00	0.25	
	2	0.00	0.00	0.00	0.30	17

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B145106-MSD1 Date(s) Analyzed: 03/28/2016 03/28/2016

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.64	
	2	0.00	0.00	0.00	0.64	0
Aroclor-1260	1	0.00	0.00	0.00	0.28	
	2	0.00	0.00	0.00	0.29	4

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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
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
P-01	Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

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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
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2016
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2017
RI	Rhode Island Department of Health	LAO00112	12/30/2016
NC	North Carolina Div. of Water Quality	652	12/31/2016
NJ	New Jersey DEP	MA007 NELAP	06/30/2016
FL	Florida Department of Health	E871027 NELAP	06/30/2016
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2016
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2016
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2016

CHAIN OF CUSTODY RECORD

con-test® ANALYTICAL LABORATORY
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East longmeadow, MA 01028

10C1100
Rev 04.05.12

Company Name: EBI
Address: 21 B Street
Burlington
Attention: AFriedler
Project Location: Powder House
Sampled By: OB/AF

Telephone: 781-418-2343
Project #: 5116.009018
Client PO#:

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

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

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCB 8082 + Soxhlet	# of Containers	** Preservation	***Container Code
01	EBI-C-1	3/23/16	0900		X	S	U	X	1	I	G
02	EBI-S1-.5	3/23/16	0910		X	S	U	X	1	I	G
03	EBI-S2-.5	3/23/16	1030		X	S	U	X	1	I	G
04	EBI-S3-.5	3/23/16	1045		X	S	U	X	1	I	G
05	EBI-S4-.5	"	1145		X	S	U	X	1	I	G
06	EBI-S5-.5	"	1300		X	S	U	X	1	I	G
07	EBI-S6-.5	"	1345		X	S	U	X	1	I	G
08	EBI-SA	"	1415		X	S	U	X	1	I	G
09	EBI-SB	"	1430		X	S	U	X	1	I	G
10	EBI-C-2	"	1335		X	S	U	X	1	I	G

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

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

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

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

Comments:
Standard 5-day

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

Relinquished by: (signature)	Date/Time:
	3/24/16 800
Received by: (signature)	Date/Time:
	3-24-16 1115
Relinquished by: (signature)	Date/Time:
	3-24-16 1520
Received by: (signature)	Date/Time:
	3/24/16 1510

Turnaround ††
☐ 7-Day
☐ 10-Day
☒ Other 5-day Standard
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts: S-1 MCP Comm
Connecticut:
Other:

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

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR 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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39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com

con-test® ANALYTICAL LABORATORY

Sample Receipt Checklist

CLIENT NAME: EBI **RECEIVED BY**: VP **DATE**: 3/24/2016

1) Was the chain(s) of custody relinquished and signed? **Yes** X **No** ____ **No COC Incl.**

2) Does the chain agree with the samples? **Yes** X **No** ____

If not, explain:

3) Are all the samples in good condition? **Yes** X **No** ____

If not, explain:

4) How were the samples received:

On Ice X Direct from Sampling ____ Ambient ____ In Cooler(s) X

Were the samples received in Temperature Compliance of (2-6℃)? **Yes** **X** **No** ____ **N/A** ____

Temperature ℃ by Temp blank ____ Temperature ℃ by Temp gun 4.6

5) Are there Dissolved samples for the lab to filter? **Yes** ____ **No** X

Who was notified ____ Date ____ Time ____

6) Are there any RUSH or SHORT HOLDING TIME samples? **Yes** ____ **No** X

Who was notified ____ Date ____ Time ____

7) Location where samples are stored:

Permission to subcontract samples? Yes No

(Walk-in clients only) if not already approved

Client Signature: ____

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

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

10) Was the PC notified of any discrepancies with the CoC vs the samples: **Yes** ____ **N/A** X

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		16 oz amber	
500 mL Amber		8 oz amber/clear jar	
250 mL Amber (8oz amber)	4	4 oz amber/clear jar	5
1 Liter Plastic		2 oz amber/clear jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		SOC Kit	
40 mL Vial - type listed below		Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	1

40 mL vials: # HCl ____ # Methanol ____

Bisulfate ____ # DI Water ____

Thiosulfate ____ Unpreserved ____

Time and Date Frozen:

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

Question	Answer (True/False) T/F/NA	Comment
1) The cooler's custody seal, if present, is intact.	T	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	N/A	
14) Sample collection date/times are provided.	T	
15) Appropriate sample containers are used.	T	
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	T	
18) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	N/A	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	N/A	
21) Samples do not require splitting or compositing.	T	

Who notified of False statements? **Date/Time:**

Doc #277 Rev. 4 August 2013 **Log-In Technician Initials:** VP **Date/Time: 3/24/16 15:10**

MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Con-Test Analytical Laboratory	Project #: 16C1100
Project Location: Powder House	RTN:

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]

16C1100-01 thru 16C1100-10

Matrices: Caulk Product/Solid

CAM Protocol (check all that below)

8260 VOC CAM II A ( )	7470/7471 Hg CAM IIIB ( )	MassDEP VPH CAM IV A ( )	8081 Pesticides CAM V B ( )	7196 Hex Cr CAM VI B ( )	MassDEP APH CAM IX A ( )
8270 SVOC CAM II B ( )	7010 Metals CAM III C ( )	MassDEP EPH CAM IV A ( )	8151 Herbicides CAM V C ( )	8330 Explosives CAM VIII A ( )	TO-15 VOC CAM IX B ( )
6010 Metals CAM III A ( )	6020 Metals CAM III D ( )	8082 PCB CAM V A (X)	9014 Total Cyanide/PAC CAM VI A ( )	6860 Perchlorate CAM VIII B ( )	

Affirmative response to Questions A throughF is required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☑ Yes	☐ No[1]
B	Were the analytical method(s) and all associated QC requirements specificed in the selected CAM protocol(s) followed?	☑ Yes	☐ No[1]
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☑ Yes	☐ No[1]
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidlines for the Acquisition and Reporting of Analytical Data?	☑ Yes	☐ No[1]
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	☐ Yes	☐ No[1]
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes	☐ No[1]
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Qestions A through E)?	☑ Yes	☐ No[1]

A response to questions G, H and I below is required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☑ Yes	☐ No[1]

***Data User Note:* Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.**

H	Were all QC perfomance standards specified in the CAM protocol(s) achieved?	☐ Yes	☑ No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☑ Yes	☐ No[1]

[1] *All Negative responses must be addressed in an attached Environmental Laboratory case narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:  Position: Project Manager

Printed Name: Lisa A. Worthington Date: 03/31/16

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

April 7, 2016

Andy Fiedler
EBI Consultants
21 B Street
Burlington, MA 01803

Project Location: Powder House
Client Job Number:
Project Number: 5116000018
Laboratory Work Order Number: 16D0013

Enclosed are results of analyses for samples received by the laboratory on April 1, 2016. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Meghan E. Kelley
Project Manager

Table of Contents

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

EBI Consultants
21 B Street
Burlington, MA 01803
ATTN: Andy Fiedler

REPORT DATE: 4/7/2016

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 5116000018

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 16D0013

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

PROJECT LOCATION: Powder House

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
EBI-S3-1	16D0013-01	Product/Solid		SW-846 8082A	
EBI-S6-1	16D0013-02	Product/Solid		SW-846 8082A	

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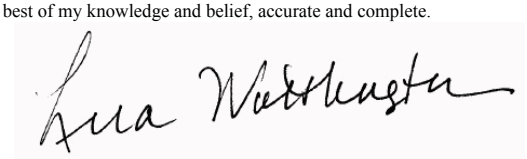
CASE NARRATIVE SUMMARY

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

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



Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
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Project Location: Powder House | Sample Description: | Work Order: 16D0013

Date Received: 4/1/2016

Field Sample #: EBI-S3-1 | Sampled: 3/23/2016 11:00

Sample ID: 16D0013-01

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	4/4/16	4/5/16 18:14	KAL
Aroclor-1221 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	4/4/16	4/5/16 18:14	KAL
Aroclor-1232 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	4/4/16	4/5/16 18:14	KAL
Aroclor-1242 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	4/4/16	4/5/16 18:14	KAL
Aroclor-1248 [1]	0.20	0.087	mg/Kg	1		SW-846 8082A	4/4/16	4/5/16 18:14	KAL
Aroclor-1254 [1]	0.097	0.087	mg/Kg	1		SW-846 8082A	4/4/16	4/5/16 18:14	KAL
Aroclor-1260 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	4/4/16	4/5/16 18:14	KAL
Aroclor-1262 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	4/4/16	4/5/16 18:14	KAL
Aroclor-1268 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	4/4/16	4/5/16 18:14	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.5	30-150		4/5/16 18:14
Decachlorobiphenyl [2]	87.1	30-150		4/5/16 18:14
Tetrachloro-m-xylene [1]	83.8	30-150		4/5/16 18:14
Tetrachloro-m-xylene [2]	80.0	30-150		4/5/16 18:14

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Project Location: Powder House | Sample Description: | Work Order: 16D0013

Date Received: 4/1/2016

Field Sample #: EBI-S6-1 | Sampled: 3/23/2016 13:50

Sample ID: 16D0013-02

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	4/4/16	4/5/16 18:32	KAL
Aroclor-1221 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	4/4/16	4/5/16 18:32	KAL
Aroclor-1232 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	4/4/16	4/5/16 18:32	KAL
Aroclor-1242 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	4/4/16	4/5/16 18:32	KAL
Aroclor-1248 [1]	0.27	0.085	mg/Kg	1		SW-846 8082A	4/4/16	4/5/16 18:32	KAL
Aroclor-1254 [1]	0.13	0.085	mg/Kg	1		SW-846 8082A	4/4/16	4/5/16 18:32	KAL
Aroclor-1260 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	4/4/16	4/5/16 18:32	KAL
Aroclor-1262 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	4/4/16	4/5/16 18:32	KAL
Aroclor-1268 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	4/4/16	4/5/16 18:32	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	106	30-150		4/5/16 18:32
Decachlorobiphenyl [2]	104	30-150		4/5/16 18:32
Tetrachloro-m-xylene [1]	93.6	30-150		4/5/16 18:32
Tetrachloro-m-xylene [2]	89.2	30-150		4/5/16 18:32

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
16D0013-01 [EBI-S3-1]	B145809	2.29	10.0	04/04/16
16D0013-02 [EBI-S6-1]	B145809	2.36	10.0	04/04/16

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B145809 - SW-846 3540C										
Blank (B145809-BLK1)				Prepared: 04/04/16 Analyzed: 04/05/16						
Aroclor-1016	ND	0.099	mg/Kg							
Aroclor-1016 [2C]	ND	0.099	mg/Kg							
Aroclor-1221	ND	0.099	mg/Kg							
Aroclor-1221 [2C]	ND	0.099	mg/Kg							
Aroclor-1232	ND	0.099	mg/Kg							
Aroclor-1232 [2C]	ND	0.099	mg/Kg							
Aroclor-1242	ND	0.099	mg/Kg							
Aroclor-1242 [2C]	ND	0.099	mg/Kg							
Aroclor-1248	ND	0.099	mg/Kg							
Aroclor-1248 [2C]	ND	0.099	mg/Kg							
Aroclor-1254	ND	0.099	mg/Kg							
Aroclor-1254 [2C]	ND	0.099	mg/Kg							
Aroclor-1260	ND	0.099	mg/Kg							
Aroclor-1260 [2C]	ND	0.099	mg/Kg							
Aroclor-1262	ND	0.099	mg/Kg							
Aroclor-1262 [2C]	ND	0.099	mg/Kg							
Aroclor-1268	ND	0.099	mg/Kg							
Aroclor-1268 [2C]	ND	0.099	mg/Kg							
Surrogate: Decachlorobiphenyl	*0.995*		mg/Kg	0.990		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.972*		mg/Kg	0.990		98.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.928*		mg/Kg	0.990		93.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.890*		mg/Kg	0.990		89.9	30-150			
LCS (B145809-BS1)				Prepared: 04/04/16 Analyzed: 04/05/16						
Aroclor-1016	0.23	0.098	mg/Kg	0.245		92.9	40-140			
Aroclor-1016 [2C]	0.21	0.098	mg/Kg	0.245		86.1	40-140			
Aroclor-1260	0.22	0.098	mg/Kg	0.245		88.0	40-140			
Aroclor-1260 [2C]	0.21	0.098	mg/Kg	0.245		84.5	40-140			
Surrogate: Decachlorobiphenyl	*0.930*		mg/Kg	0.980		94.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.901*		mg/Kg	0.980		91.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.882*		mg/Kg	0.980		90.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.847*		mg/Kg	0.980		86.4	30-150			
LCS Dup (B145809-BSD1)				Prepared: 04/04/16 Analyzed: 04/05/16						
Aroclor-1016	0.21	0.088	mg/Kg	0.220		94.6	40-140	8.87	30	
Aroclor-1016 [2C]	0.19	0.088	mg/Kg	0.220		87.8	40-140	8.73	30	
Aroclor-1260	0.20	0.088	mg/Kg	0.220		90.2	40-140	8.28	30	
Aroclor-1260 [2C]	0.19	0.088	mg/Kg	0.220		86.6	40-140	8.29	30	
Surrogate: Decachlorobiphenyl	*0.865*		mg/Kg	0.881		98.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.832*		mg/Kg	0.881		94.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.805*		mg/Kg	0.881		91.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.768*		mg/Kg	0.881		87.1	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

EBI-S3-1

Lab Sample ID: 16D0013-01 Date(s) Analyzed: 04/05/2016 04/05/2016

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1248	1	0.00	0.00	0.00	0.20	
	2	0.00	0.00	0.00	0.17	16.2
Aroclor-1254	1	0.00	0.00	0.00	0.097	
	2	0.00	0.00	0.00	0.087	11.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

EBI-S6-1

Lab Sample ID: 16D0013-02 Date(s) Analyzed: 04/05/2016 04/05/2016

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1248	1	0.00	0.00	0.00	0.27	
	2	0.00	0.00	0.00	0.22	19.3
Aroclor-1254	1	0.00	0.00	0.00	0.13	
	2	0.00	0.00	0.00	0.11	16.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B145809-BS1 Date(s) Analyzed: 04/05/2016 04/05/2016

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.23	
	2	0.00	0.00	0.00	0.21	8
Aroclor-1260	1	0.00	0.00	0.00	0.22	
	2	0.00	0.00	0.00	0.21	3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B145809-BSD1 Date(s) Analyzed: 04/05/2016 04/05/2016

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.21	
	2	0.00	0.00	0.00	0.19	9
Aroclor-1260	1	0.00	0.00	0.00	0.20	
	2	0.00	0.00	0.00	0.19	5

con-test® ANALYTICAL LABORATORY

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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
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

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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
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2016
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2017
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2017
RI	Rhode Island Department of Health	LAO00112	12/30/2016
NC	North Carolina Div. of Water Quality	652	12/31/2016
NJ	New Jersey DEP	MA007 NELAP	06/30/2016
FL	Florida Department of Health	E871027 NELAP	06/30/2016
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2016
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2016
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2016

CHAIN OF CUSTODY RECORD

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

1GD0013
Rev 04.05.12

Page ____ of ____

Company Name: EBI
Address: 21 B Street
Burlington
Attention: AHedler
Project Location: Powder House
Sampled By: DB/AF

Telephone: 781-418-2343
Project #: S11600008
Client PO#:

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

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

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	# of Containers	** Preservation	***Container Code	PCB 8082 Soxhlet
01	EBI-S3-1	3/23/16	1100		X	S	U	1	I	ST	X
02	EBI-S6-1	3/23/16	1350		X	S	U	1	I	ST	X

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

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

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

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

Comments:
Standard 5-day TAT

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

Relinquished by: (signature)	4/1/16 3:[illegible]	Date/Time: 0800
Received by: (signature)	4/1/16	Date/Time: 11:45
Relinquished by: (signature)	4/1/16	Date/Time: 2:50
Received by: (signature)	4/1/16	Date/Time: 1450

Turnaround ††
☐ 7-Day
☐ 10-Day
☒ Other Standard 5-day
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts: S-1 MCP Cam
Connecticut:
Other:

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

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certifie

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

Table of Contents

39 Spruce St.
East Longmeadow, MA. 01028
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www.contestlabs.com

con-test® ANALYTICAL LABORATORY

Sample Receipt Checklist

CLIENT NAME: EBI **RECEIVED BY**: JDL **DATE**: 4/1/2016

1) Was the chain(s) of custody relinquished and signed? **Yes** X **No** ____ **No COC Incl.**

2) Does the chain agree with the samples? **Yes** X **No** ____

If not, explain:

3) Are all the samples in good condition? **Yes** X **No** ____

If not, explain:

4) How were the samples received:

On Ice X Direct from Sampling ____ Ambient ____ In Cooler(s) X

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

Temperature °C by Temp blank ____ Temperature °C by Temp gun 2.7

5) Are there Dissolved samples for the lab to filter? **Yes** ____ **No** X

Who was notified ____ Date ____ Time ____

6) Are there any RUSH or SHORT HOLDING TIME samples? **Yes** ____ **No** X

Who was notified ____ Date ____ Time ____

7) Location where samples are stored:

Permission to subcontract samples? Yes No

(Walk-in clients only) if not already approved

Client Signature: ____

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

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

10) Was the PC notified of any discrepancies with the CoC vs the samples: **Yes** ____ **N/A** X

Containers received at Con-Test

	# of containers			# of containers
1 Liter Amber			16 oz amber	
500 mL Amber			8 oz amber/clear jar	
250 mL Amber (8oz amber)	1		4 oz amber/clear jar	
1 Liter Plastic			2 oz amber/clear jar	
500 mL Plastic			Plastic Bag / Ziploc	
250 mL plastic			SOC Kit	
40 mL Vial - type listed below			Perchlorate Kit	
Colisure / bacteria bottle			Flashpoint bottle	
Dissolved Oxygen bottle			Other glass jar	1
Encore			Other	

40 mL vials: # HCl 15 # Methanol ____

Bisulfate ____ # DI Water ____

Thiosulfate ____ Unpreserved ____

Time and Date Frozen:

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

Question	Answer (True/False) T/F/NA	Comment
1) The cooler's custody seal, if present, is intact.	NA	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	NA	
14) Sample collection date/times are provided.	T	
15) Appropriate sample containers are used.	T	
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	T	
18) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	NA	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	NA	
21) Samples do not require splitting or compositing.	T	

Who notified of False statements? **Date/Time:**

Doc #277 Rev. 4 August 2013 **Log-In Technician Initials:** JDL **4/1/16 1450**

MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Con-Test Analytical Laboratory	Project #: 16D0013
Project Location: Powder House	RTN:

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]

16D0013-01 thru 16D0013-02

Matrices: Product/Solid

CAM Protocol (check all that below)

8260 VOC CAM II A ( )	7470/7471 Hg CAM IIIB ( )	MassDEP VPH CAM IV A ( )	8081 Pesticides CAM V B ( )	7196 Hex Cr CAM VI B ( )	MassDEP APH CAM IX A ( )
8270 SVOC CAM II B ( )	7010 Metals CAM III C ( )	MassDEP EPH CAM IV A ( )	8151 Herbicides CAM V C ( )	8330 Explosives CAM VIII A ( )	TO-15 VOC CAM IX B ( )
6010 Metals CAM III A ( )	6020 Metals CAM III D ( )	8082 PCB CAM V A (X)	9014 Total Cyanide/PAC CAM VI A ( )	6860 Perchlorate CAM VIII B ( )	

Affirmative response to Questions A throughF is required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☑ Yes	☐ No[1]
B	Were the analytical method(s) and all associated QC requirements specificed in the selected CAM protocol(s) followed?	☑ Yes	☐ No[1]
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☑ Yes	☐ No[1]
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidlines for the Acquisition and Reporting of Analytical Data?	☑ Yes	☐ No[1]
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	☐ Yes	☐ No[1]
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes	☐ No[1]
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Qestions A through E)?	☑ Yes	☐ No[1]

A response to questions G, H and I below is required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☑ Yes	☐ No[1]

***Data User Note:* Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.**

H	Were all QC perfomance standards specified in the CAM protocol(s) achieved?	☑ Yes	☐ No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☑ Yes	☐ No[1]

[1] *All Negative responses must be addressed in an attached Environmental Laboratory case narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:  Position: Project Manager

Printed Name: Lisa A. Worthington Date: 04/07/16