



TRANSMITTAL

TO: Ms. Kimberly N. Tisa, PCB Coordinator
U.S. Environmental Protection Agency
5 Post Office Square, Suite 100
(OSRR07-2)
Boston, Massachusetts 02109-3912

DATE: December 29, 2017

PROJECT NAME: Fairfield Ludlowe High School,
Fairfield, Connecticut

PROJECT NUMBER: 228875

RE: FLHS Analytical Laboratory Reports and Data Validation Summary – December 2, 2017 Sampling Event

WE ARE SENDING:

- | | | | |
|---------------------------------------|-----------------------------------|---|--|
| ☐ Quotation | ☐ Drawing | ☐ Bid Package | ☐ CD/DVD |
| ☐ Brochure | ☐ Schedule | ☐ Installation Package | ☐ Report |
| ☐ Change Order | ☐ Manual | ☒ Other (specify) | <u>Analytical Laboratory Reports and Data Validation Summary</u> |

Qty	Doc. No.	Rev. No.	Dated	Description
1			12/11/ 2017	17L0127_2 Contest_Final 12 11 17 1720
1			12/18/2017	17L0123_2 Contest_Final 12 18 17 1634
1			12/11/2017	17L0125_2 Contest_Final 12 11 17 1343
1			12/19/2017	17L0123 PCB Homologs Data Validation Summary

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COMMENTS:

If you have any comments, questions, or require further information, please do not hesitate to e-mail or call me at the number listed above.

From: Jeffrey A. Hamel, LSP, LEP

cc: Gary Trombly, CTDEEP

Sal Morabito and Thomas Cullen, Fairfield Public Schools

December 11, 2017

George Franklin
Woodard & Curran - Andover, MA
40 Shattuck Road., Suite 110
Andover, MA 01810

Project Location: Fairfield, CT
Client Job Number:
Project Number: 228875.02
Laboratory Work Order Number: 17L0127

Enclosed are results of analyses for samples received by the laboratory on December 4, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, reading "Meghan E. Kelley". The signature is written in a cursive, flowing style.

Meghan E. Kelley
Project Manager

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

Woodard & Curran - Andover, MA
40 Shattuck Road., Suite 110
Andover, MA 01810
ATTN: George Franklin

REPORT DATE: 12/11/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 228875.02

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17L0127

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

PROJECT LOCATION: Fairfield, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
FLHS-VWH-100	17L0127-01	Wipe		SW-846 8082A	
FLHS-VWH-101	17L0127-02	Wipe		SW-846 8082A	
FLHS-VWH-102	17L0127-03	Wipe		SW-846 8082A	
FLHS-VWH-103	17L0127-04	Wipe		SW-846 8082A	
FLHS-VWH-104	17L0127-05	Wipe		SW-846 8082A	
FLHS-VWH-105	17L0127-06	Wipe		SW-846 8082A	
FLHS-VWH-106	17L0127-07	Wipe		SW-846 8082A	
FLHS-VWH-107	17L0127-08	Wipe		SW-846 8082A	

CASE NARRATIVE SUMMARY

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

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.

A handwritten signature in black ink, appearing to read "Lisa Worthington", is written over a light pink rectangular background.

Lisa A. Worthington
Project Manager

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Project Location: Fairfield, CT

Sample Description:

Work Order: 17L0127

Date Received: 12/4/2017

Field Sample #: FLHS-VWH-100

Sampled: 12/2/2017 14:57

Sample ID: 17L0127-01

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:04	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:04	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:04	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:04	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:04	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:04	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:04	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:04	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:04	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	109	30-150							
Decachlorobiphenyl [2]	106	30-150							
Tetrachloro-m-xylene [1]	102	30-150							
Tetrachloro-m-xylene [2]	101	30-150							

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Project Location: Fairfield, CT

Sample Description:

Work Order: 17L0127

Date Received: 12/4/2017

Field Sample #: FLHS-VWH-101

Sampled: 12/2/2017 15:08

Sample ID: 17L0127-02

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:22	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:22	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:22	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:22	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:22	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:22	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:22	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:22	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:22	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	99.8	30-150							
Decachlorobiphenyl [2]	97.0	30-150							
Tetrachloro-m-xylene [1]	93.8	30-150							
Tetrachloro-m-xylene [2]	93.4	30-150							

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Project Location: Fairfield, CT

Sample Description:

Work Order: 17L0127

Date Received: 12/4/2017

Field Sample #: FLHS-VWH-102

Sampled: 12/2/2017 15:16

Sample ID: 17L0127-03

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:39	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:39	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:39	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:39	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:39	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:39	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:39	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:39	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:39	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	98.1	30-150							
Decachlorobiphenyl [2]	95.3	30-150							
Tetrachloro-m-xylene [1]	95.0	30-150							
Tetrachloro-m-xylene [2]	95.3	30-150							

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Project Location: Fairfield, CT

Sample Description:

Work Order: 17L0127

Date Received: 12/4/2017

Field Sample #: FLHS-VWH-103

Sampled: 12/2/2017 15:29

Sample ID: 17L0127-04

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:57	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:57	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:57	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:57	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:57	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:57	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:57	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:57	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:57	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	102	30-150							
Decachlorobiphenyl [2]	99.2	30-150							
Tetrachloro-m-xylene [1]	95.9	30-150							
Tetrachloro-m-xylene [2]	95.8	30-150							

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Project Location: Fairfield, CT

Sample Description:

Work Order: 17L0127

Date Received: 12/4/2017

Field Sample #: FLHS-VWH-104

Sampled: 12/2/2017 15:38

Sample ID: 17L0127-05

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 5:14	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 5:14	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 5:14	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 5:14	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 5:14	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 5:14	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 5:14	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 5:14	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 5:14	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	104	30-150							
Decachlorobiphenyl [2]	102	30-150							
Tetrachloro-m-xylene [1]	97.4	30-150							
Tetrachloro-m-xylene [2]	97.4	30-150							

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Project Location: Fairfield, CT

Sample Description:

Work Order: 17L0127

Date Received: 12/4/2017

Field Sample #: FLHS-VWH-105

Sampled: 12/2/2017 15:49

Sample ID: 17L0127-06

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 5:32	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 5:32	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 5:32	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 5:32	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 5:32	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 5:32	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 5:32	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 5:32	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 5:32	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	96.8	30-150							
Decachlorobiphenyl [2]	93.8	30-150							
Tetrachloro-m-xylene [1]	97.7	30-150							
Tetrachloro-m-xylene [2]	98.0	30-150							

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Project Location: Fairfield, CT

Sample Description:

Work Order: 17L0127

Date Received: 12/4/2017

Field Sample #: FLHS-VWH-106

Sampled: 12/2/2017 16:07

Sample ID: 17L0127-07

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 5:49	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 5:49	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 5:49	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 5:49	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 5:49	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 5:49	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 5:49	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 5:49	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 5:49	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	105	30-150							
Decachlorobiphenyl [2]	102	30-150							
Tetrachloro-m-xylene [1]	98.1	30-150							
Tetrachloro-m-xylene [2]	98.1	30-150							

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Project Location: Fairfield, CT

Sample Description:

Work Order: 17L0127

Date Received: 12/4/2017

Field Sample #: FLHS-VWH-107

Sampled: 12/2/2017 16:17

Sample ID: 17L0127-08

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 6:07	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 6:07	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 6:07	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 6:07	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 6:07	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 6:07	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 6:07	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 6:07	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 6:07	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	95.3	30-150							
Decachlorobiphenyl [2]	92.2	30-150							
Tetrachloro-m-xylene [1]	92.7	30-150							
Tetrachloro-m-xylene [2]	93.1	30-150							

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 [Wipe]	Final [mL]	Date
17L0127-01 [FLHS-VWH-100]	B192560	1.00	10.0	12/05/17
17L0127-02 [FLHS-VWH-101]	B192560	1.00	10.0	12/05/17
17L0127-03 [FLHS-VWH-102]	B192560	1.00	10.0	12/05/17
17L0127-04 [FLHS-VWH-103]	B192560	1.00	10.0	12/05/17
17L0127-05 [FLHS-VWH-104]	B192560	1.00	10.0	12/05/17
17L0127-06 [FLHS-VWH-105]	B192560	1.00	10.0	12/05/17
17L0127-07 [FLHS-VWH-106]	B192560	1.00	10.0	12/05/17
17L0127-08 [FLHS-VWH-107]	B192560	1.00	10.0	12/05/17

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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
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Batch B192560 - SW-846 3540C

Blank (B192560-BLK1)

Prepared: 12/05/17 Analyzed: 12/09/17

Aroclor-1016	ND	0.20	µg/Wipe							
Aroclor-1016 [2C]	ND	0.20	µg/Wipe							
Aroclor-1221	ND	0.20	µg/Wipe							
Aroclor-1221 [2C]	ND	0.20	µg/Wipe							
Aroclor-1232	ND	0.20	µg/Wipe							
Aroclor-1232 [2C]	ND	0.20	µg/Wipe							
Aroclor-1242	ND	0.20	µg/Wipe							
Aroclor-1242 [2C]	ND	0.20	µg/Wipe							
Aroclor-1248	ND	0.20	µg/Wipe							
Aroclor-1248 [2C]	ND	0.20	µg/Wipe							
Aroclor-1254	ND	0.20	µg/Wipe							
Aroclor-1254 [2C]	ND	0.20	µg/Wipe							
Aroclor-1260	ND	0.20	µg/Wipe							
Aroclor-1260 [2C]	ND	0.20	µg/Wipe							
Aroclor-1262	ND	0.20	µg/Wipe							
Aroclor-1262 [2C]	ND	0.20	µg/Wipe							
Aroclor-1268	ND	0.20	µg/Wipe							
Aroclor-1268 [2C]	ND	0.20	µg/Wipe							
Surrogate: Decachlorobiphenyl	1.53		µg/Wipe	2.00		76.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.49		µg/Wipe	2.00		74.4	30-150			
Surrogate: Tetrachloro-m-xylene	1.50		µg/Wipe	2.00		75.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.49		µg/Wipe	2.00		74.7	30-150			

LCS (B192560-BS1)

Prepared: 12/05/17 Analyzed: 12/09/17

Aroclor-1016	0.59	0.20	µg/Wipe	0.500		117	40-140			
Aroclor-1016 [2C]	0.55	0.20	µg/Wipe	0.500		111	40-140			
Aroclor-1260	0.53	0.20	µg/Wipe	0.500		106	40-140			
Aroclor-1260 [2C]	0.51	0.20	µg/Wipe	0.500		102	40-140			
Surrogate: Decachlorobiphenyl	2.12		µg/Wipe	2.00		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.07		µg/Wipe	2.00		103	30-150			
Surrogate: Tetrachloro-m-xylene	2.01		µg/Wipe	2.00		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	2.00		µg/Wipe	2.00		100	30-150			

LCS Dup (B192560-BSD1)

Prepared: 12/05/17 Analyzed: 12/09/17

Aroclor-1016	0.58	0.20	µg/Wipe	0.500		116	40-140	1.11	30	
Aroclor-1016 [2C]	0.55	0.20	µg/Wipe	0.500		110	40-140	0.664	30	
Aroclor-1260	0.53	0.20	µg/Wipe	0.500		105	40-140	0.121	30	
Aroclor-1260 [2C]	0.51	0.20	µg/Wipe	0.500		103	40-140	0.458	30	
Surrogate: Decachlorobiphenyl	2.10		µg/Wipe	2.00		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.05		µg/Wipe	2.00		102	30-150			
Surrogate: Tetrachloro-m-xylene	1.96		µg/Wipe	2.00		98.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.95		µg/Wipe	2.00		97.4	30-150			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
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
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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 - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018



Company Name: WOODARD & LOGAN
 Address: 410 SHATTUCK RD AMOUEL MA
 Phone: 978 482 7807
 Project Name: FLHS
 Project Location: FAIRFIELD
 Project Number: 222875
 Project Manager: JEFF HAMEL
 Con-Test Quote Name/Number: FLHS 4/10/17
 Invoice Recipient: GEORGE FRANKLIN
 Sampled By: GEORGE FRANKLIN

Requested Turnaround Time
 7-Day ☐ 10-Day ☐
 Due Date: SOAY
 Rush-Applicable Required
 1-Day ☐ 3-Day ☐
 2-Day ☐ 4-Day ☐
 Data Delivery
 Format: PDF ☒ EXCEL ☐
 Other:
 CLP Like Data Pkg Required: ☐
 Email To: info@contestlabs.com
 Fax To #:

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	FLHS-VWHT-100	12/2/17	1457		✓	0	0
2	FLHS-VWHT-101	12/2/17	1508		✓	0	0
3	FLHS-VWHT-102	12/2/17	1516		✓	0	0
4	FLHS-VWHT-103	12/2/17	1529		✓	0	0
5	FLHS-VWHT-104	12/2/17	1538		✓	0	0
6	FLHS-VWHT-105	12/2/17	1545		✓	0	0
7	FLHS-VWHT-106	12/2/17	1607		✓	0	0
8	FLHS-VWHT-107	12/2/17	1617		✓	0	0

Comments:

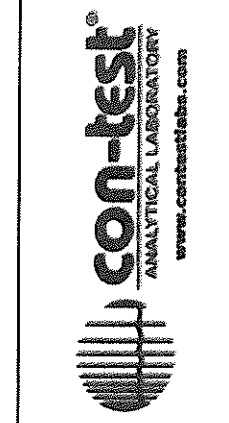
PCBS via USEPA 8002 w/ Soxhlet Extraction (3540C)

Please use the following codes to indicate possible sample concentration within the Conc Code column above:

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

Relinquished by: (signature) [Signature] Date/Time: 11/4/17 12:5
 Received by: (signature) [Signature] Date/Time: 12/2/17 12:00
 Relinquished by: (signature) [Signature] Date/Time: 12/2/17 12:00
 Received by: (signature) [Signature] Date/Time: 12/2/17 12:00
 Relinquished by: (signature) [Signature] Date/Time: 12/2/17 12:00
 Received by: (signature) [Signature] Date/Time: 12/2/17 12:00

Detection Limit Requirements
 MA ☐ MA MCP Required
 MCP Certification Form Required
 CT ☐ CT RCP Required
 RCP Certification Form Required
 State ☐ MA State DW Required
 PWSID #



Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School ☐ MBTA
☐ City ☐ Brownfield
 Other ☐ Chromatogram ☐ AIHA-LAP, LLC
 NELAP and AIHA-LAP, LLC Accredited

of Containers
 2 Preservation Code
 3 Container Code
 ANALYSIS REQUESTED
 Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter
 Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

1 Matrix Codes:
 GW = Ground Water
 WW = Waste Water
 DW = Drinking Water
 A = Air
 S = Soil
 SL = Sludge
 SOL = Solid
 O = Other (please define)
Waste Water

2 Preservation Codes:
 I = Iced
 H = HCL
 M = Methanol
 N = Nitric Acid
 S = Sulfuric Acid
 B = Sodium Bisulfate
 X = Sodium Hydroxide
 T = Sodium Thiosulfate
 O = Other (please define)
None

3 Container Codes:
 A = Amber Glass
 G = Glass
 P = Plastic
 ST = Sterile
 V = Vial
 S = Summa Canister
 T = Tedlar Bag
 O = Other (please define)

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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



con-test®
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Woodward & Lothrop

Received By A.F. Date 12/4/17 Time 1700

How were the samples received? In Cooler T No Cooler On Ice T No Ice
Direct from Sampling Ambient Melted Ice

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 4.7
By Blank # Actual Temp -

Was Custody Seal Intact? n/a Were Samples Tampered with? n/a

Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? n/a Who was notified?

Are there Rushes? n/a Who was notified?

Are there Short Holds? n/a Who was notified?

Is there enough Volume? T

Is there Headspace where applicable? n/a MS/MSD? n/a

Proper Media/Containers Used? T Is splitting samples required? n/a

Were trip blanks received? n/a On COC? n/a

Do all samples have the proper pH? n/a Acid Base

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-		Other Plastic		Other Glass		Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:
Sulfuric-		Perchlorate		Ziplock		

Unused Media

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-		Other Plastic		Other Glass		Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:
Sulfuric-		Perchlorate		Ziplock		

Comments:

December 18, 2017

George Franklin
Woodard & Curran - Andover, MA
40 Shattuck Road., Suite 110
Andover, MA 01810

Project Location: FLHS-Fairfield, CT
Client Job Number:
Project Number: 228875.02
Laboratory Work Order Number: 17L0123

Enclosed are results of analyses for samples received by the laboratory on December 4, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Meghan E. Kelley". The signature is written in a cursive, flowing style.

Meghan E. Kelley
Project Manager

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Woodard & Curran - Andover, MA
40 Shattuck Road., Suite 110
Andover, MA 01810
ATTN: George Franklin

REPORT DATE: 12/18/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 228875.02

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17L0123

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

PROJECT LOCATION: FLHS-Fairfield, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
FLHS-IAS-201	17L0123-01	Air		TO-10A/EPA 680 Modified	
FLHS-IAS-202	17L0123-02	Air		TO-10A/EPA 680 Modified	
FLHS-IAS-203	17L0123-03	Air		TO-10A/EPA 680 Modified	
FLHS-IAS-204	17L0123-04	Air		TO-10A/EPA 680 Modified	
FLHS-IAS-205	17L0123-05	Air		TO-10A/EPA 680 Modified	
FLHS-IAS-206	17L0123-06	Air		TO-10A/EPA 680 Modified	
FLHS-IAS-207	17L0123-07	Air		TO-10A/EPA 680 Modified	
FLHS-IAS-208	17L0123-08	Air		TO-10A/EPA 680 Modified	
FLHS-IAS-209	17L0123-09	Air		TO-10A/EPA 680 Modified	
FLHS-IAS-210	17L0123-10	Air		TO-10A/EPA 680 Modified	
FLHS-IAS-211	17L0123-11	Air		TO-10A/EPA 680 Modified	
FLHS-IAS-212	17L0123-12	Air		TO-10A/EPA 680 Modified	
FLHS-IAS-213	17L0123-13	Air		TO-10A/EPA 680 Modified	
FLHS-IAS-214	17L0123-14	Air		TO-10A/EPA 680 Modified	
FLHS-IAS-215	17L0123-15	Air		TO-10A/EPA 680 Modified	
FLHS-IAS-216	17L0123-16	Air		TO-10A/EPA 680 Modified	
FLHS-IAS-217	17L0123-17	Air		TO-10A/EPA 680 Modified	
FLHS-IAS-219	17L0123-18	Air		TO-10A/EPA 680 Modified	
FLHS-IAS-220	17L0123-19	Air		TO-10A/EPA 680 Modified	
FLHS-IAS-221	17L0123-20	Air		TO-10A/EPA 680 Modified	

CASE NARRATIVE SUMMARY

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

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

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Tod Kopycinski", with a stylized, cursive script.

Tod E. Kopycinski
Laboratory Director

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

ANALYTICAL RESULTS

Project Location: FLHS-Fairfield, CT

Date Received: 12/4/2017

Field Sample #: FLHS-IAS-201

Sample ID: 17L0123-01

Sample Matrix: Air

Sampled: 12/2/2017 16:07

Sample Description/Location:

Sub Description/Location:

Flow Controller ID:

Sample Type:

Air Volume L: 1100

Work Order: 17L0123

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		
	Results	RL		Results	RL		Analyzed	Analyst	
Monochlorobiphenyls	ND	0.0010		ND	0.00091	1	12/8/17	16:57	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00091	1	12/8/17	16:57	CJM
Trichlorobiphenyls	0.0011	0.0010		0.00098	0.00091	1	12/8/17	16:57	CJM
Tetrachlorobiphenyls	0.054	0.0020		0.049	0.0018	1	12/8/17	16:57	CJM
Pentachlorobiphenyls	ND	0.0020		ND	0.0018	1	12/8/17	16:57	CJM
Hexachlorobiphenyls	ND	0.0020		ND	0.0018	1	12/8/17	16:57	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0027	1	12/8/17	16:57	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0027	1	12/8/17	16:57	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0045	1	12/8/17	16:57	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0045	1	12/8/17	16:57	CJM
Total Polychlorinated biphenyls	0.055			0.050		1	12/8/17	16:57	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	88.8	50-125	12/8/17 16:57

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ANALYTICAL RESULTS

Project Location: FLHS-Fairfield, CT

Date Received: 12/4/2017

Field Sample #: FLHS-IAS-202

Sample ID: 17L0123-02

Sample Matrix: Air

Sampled: 12/2/2017 15:55

Sample Description/Location:

Sub Description/Location:

Work Order: 17L0123

Flow Controller ID:

Sample Type:

Air Volume L: 1091

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Monochlorobiphenyls	ND	0.0010		ND	0.00092	1	12/8/17 17:34	CJM	
Dichlorobiphenyls	ND	0.0010		ND	0.00092	1	12/8/17 17:34	CJM	
Trichlorobiphenyls	ND	0.0010		ND	0.00092	1	12/8/17 17:34	CJM	
Tetrachlorobiphenyls	0.0038	0.0020		0.0035	0.0018	1	12/8/17 17:34	CJM	
Pentachlorobiphenyls	0.0046	0.0020		0.0042	0.0018	1	12/8/17 17:34	CJM	
Hexachlorobiphenyls	ND	0.0020		ND	0.0018	1	12/8/17 17:34	CJM	
Heptachlorobiphenyls	ND	0.0030		ND	0.0027	1	12/8/17 17:34	CJM	
Octachlorobiphenyls	ND	0.0030		ND	0.0027	1	12/8/17 17:34	CJM	
Nonachlorobiphenyls	ND	0.0050		ND	0.0046	1	12/8/17 17:34	CJM	
Decachlorobiphenyl	ND	0.0050		ND	0.0046	1	12/8/17 17:34	CJM	
Total Polychlorinated biphenyls	0.0084			0.0077		1	12/8/17 17:34	CJM	

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	80.4	50-125	12/8/17 17:34

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ANALYTICAL RESULTS

Project Location: FLHS-Fairfield, CT

Date Received: 12/4/2017

Field Sample #: FLHS-IAS-203

Sample ID: 17L0123-03

Sample Matrix: Air

Sampled: 12/2/2017 15:05

Sample Description/Location:

Sub Description/Location:

Work Order: 17L0123

Flow Controller ID:

Sample Type:

Air Volume L: 992

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		
	Results	RL		Results	RL		Analyzed	Analyst	
Monochlorobiphenyls	ND	0.0010		ND	0.001	1	12/8/17	18:12	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.001	1	12/8/17	18:12	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.001	1	12/8/17	18:12	CJM
Tetrachlorobiphenyls	0.0032	0.0020		0.0032	0.002	1	12/8/17	18:12	CJM
Pentachlorobiphenyls	0.0047	0.0020		0.0047	0.002	1	12/8/17	18:12	CJM
Hexachlorobiphenyls	ND	0.0020		ND	0.002	1	12/8/17	18:12	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.003	1	12/8/17	18:12	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.003	1	12/8/17	18:12	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.005	1	12/8/17	18:12	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.005	1	12/8/17	18:12	CJM
Total Polychlorinated biphenyls	0.0078			0.0079		1	12/8/17	18:12	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	83.4	50-125	12/8/17 18:12

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ANALYTICAL RESULTS

Project Location: FLHS-Fairfield, CT

Date Received: 12/4/2017

Field Sample #: FLHS-IAS-204

Sample ID: 17L0123-04

Sample Matrix: Air

Sampled: 12/2/2017 15:15

Sample Description/Location:

Sub Description/Location:

Work Order: 17L0123

Flow Controller ID:

Sample Type:

Air Volume L: 953

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Monochlorobiphenyls	ND	0.0010		ND	0.001	1	12/8/17 18:49	CJM	
Dichlorobiphenyls	ND	0.0010		ND	0.001	1	12/8/17 18:49	CJM	
Trichlorobiphenyls	ND	0.0010		ND	0.001	1	12/8/17 18:49	CJM	
Tetrachlorobiphenyls	ND	0.0020		ND	0.0021	1	12/8/17 18:49	CJM	
Pentachlorobiphenyls	ND	0.0020		ND	0.0021	1	12/8/17 18:49	CJM	
Hexachlorobiphenyls	ND	0.0020		ND	0.0021	1	12/8/17 18:49	CJM	
Heptachlorobiphenyls	ND	0.0030		ND	0.0031	1	12/8/17 18:49	CJM	
Octachlorobiphenyls	ND	0.0030		ND	0.0031	1	12/8/17 18:49	CJM	
Nonachlorobiphenyls	ND	0.0050		ND	0.0052	1	12/8/17 18:49	CJM	
Decachlorobiphenyl	ND	0.0050		ND	0.0052	1	12/8/17 18:49	CJM	
Total Polychlorinated biphenyls	0.0			0		1	12/8/17 18:49	CJM	

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	78.3	50-125	12/8/17 18:49

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ANALYTICAL RESULTS

Project Location: FLHS-Fairfield, CT

Date Received: 12/4/2017

Field Sample #: FLHS-IAS-205

Sample ID: 17L0123-05

Sample Matrix: Air

Sampled: 12/2/2017 16:12

Sample Description/Location:

Sub Description/Location:

Work Order: 17L0123

Flow Controller ID:

Sample Type:

Air Volume L: 1042

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		
	Results	RL		Results	RL		Analyzed	Analyst	
Monochlorobiphenyls	ND	0.0010		ND	0.00096	1	12/8/17	19:26	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00096	1	12/8/17	19:26	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00096	1	12/8/17	19:26	CJM
Tetrachlorobiphenyls	0.0080	0.0020		0.0077	0.0019	1	12/8/17	19:26	CJM
Pentachlorobiphenyls	0.018	0.0020		0.017	0.0019	1	12/8/17	19:26	CJM
Hexachlorobiphenyls	ND	0.0020		ND	0.0019	1	12/8/17	19:26	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0029	1	12/8/17	19:26	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0029	1	12/8/17	19:26	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0048	1	12/8/17	19:26	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0048	1	12/8/17	19:26	CJM
Total Polychlorinated biphenyls	0.026			0.025		1	12/8/17	19:26	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	62.4	50-125	12/8/17 19:26

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ANALYTICAL RESULTS

Project Location: FLHS-Fairfield, CT

Date Received: 12/4/2017

Field Sample #: FLHS-IAS-206

Sample ID: 17L0123-06

Sample Matrix: Air

Sampled: 12/2/2017 16:03

Sample Description/Location:

Sub Description/Location:

Work Order: 17L0123

Flow Controller ID:

Sample Type:

Air Volume L: 1062

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Monochlorobiphenyls	ND	0.0010		ND	0.00094	1	12/8/17 21:56	CJM	
Dichlorobiphenyls	ND	0.0010		ND	0.00094	1	12/8/17 21:56	CJM	
Trichlorobiphenyls	ND	0.0010		ND	0.00094	1	12/8/17 21:56	CJM	
Tetrachlorobiphenyls	0.016	0.0020		0.015	0.0019	1	12/8/17 21:56	CJM	
Pentachlorobiphenyls	0.029	0.0020		0.027	0.0019	1	12/8/17 21:56	CJM	
Hexachlorobiphenyls	0.0046	0.0020		0.0043	0.0019	1	12/8/17 21:56	CJM	
Heptachlorobiphenyls	ND	0.0030		ND	0.0028	1	12/8/17 21:56	CJM	
Octachlorobiphenyls	ND	0.0030		ND	0.0028	1	12/8/17 21:56	CJM	
Nonachlorobiphenyls	ND	0.0050		ND	0.0047	1	12/8/17 21:56	CJM	
Decachlorobiphenyl	ND	0.0050		ND	0.0047	1	12/8/17 21:56	CJM	
Total Polychlorinated biphenyls	0.049			0.046		1	12/8/17 21:56	CJM	

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	86.7	50-125	12/8/17 21:56

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

ANALYTICAL RESULTS

Project Location: FLHS-Fairfield, CT

Date Received: 12/4/2017

Field Sample #: FLHS-IAS-207

Sample ID: 17L0123-07

Sample Matrix: Air

Sampled: 12/2/2017 15:50

Sample Description/Location:

Sub Description/Location:

Work Order: 17L0123

Flow Controller ID:

Sample Type:

Air Volume L: 1097

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		
	Results	RL		Results	RL		Analyzed	Analyst	
Monochlorobiphenyls	ND	0.0010		ND	0.00091	1	12/8/17	22:33	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00091	1	12/8/17	22:33	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00091	1	12/8/17	22:33	CJM
Tetrachlorobiphenyls	0.0053	0.0020		0.0049	0.0018	1	12/8/17	22:33	CJM
Pentachlorobiphenyls	0.0067	0.0020		0.0061	0.0018	1	12/8/17	22:33	CJM
Hexachlorobiphenyls	ND	0.0020		ND	0.0018	1	12/8/17	22:33	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0027	1	12/8/17	22:33	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0027	1	12/8/17	22:33	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0046	1	12/8/17	22:33	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0046	1	12/8/17	22:33	CJM
Total Polychlorinated biphenyls	0.012			0.011		1	12/8/17	22:33	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	86.7	50-125	12/8/17 22:33

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

ANALYTICAL RESULTS

Project Location: FLHS-Fairfield, CT

Date Received: 12/4/2017

Field Sample #: FLHS-IAS-208

Sample ID: 17L0123-08

Sample Matrix: Air

Sampled: 12/2/2017 16:34

Sample Description/Location:

Sub Description/Location:

Work Order: 17L0123

Flow Controller ID:

Sample Type:

Air Volume L: 1111

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time	
	Results	RL		Results	RL		Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.0009	1	12/8/17 23:11	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.0009	1	12/8/17 23:11	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.0009	1	12/8/17 23:11	CJM
Tetrachlorobiphenyls	ND	0.0020		ND	0.0018	1	12/8/17 23:11	CJM
Pentachlorobiphenyls	ND	0.0020		ND	0.0018	1	12/8/17 23:11	CJM
Hexachlorobiphenyls	ND	0.0020		ND	0.0018	1	12/8/17 23:11	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0027	1	12/8/17 23:11	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0027	1	12/8/17 23:11	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0045	1	12/8/17 23:11	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0045	1	12/8/17 23:11	CJM
Total Polychlorinated biphenyls	0.0			0		1	12/8/17 23:11	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	81.1	50-125	12/8/17 23:11

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

ANALYTICAL RESULTS

Project Location: FLHS-Fairfield, CT

Date Received: 12/4/2017

Field Sample #: FLHS-IAS-209

Sample ID: 17L0123-09

Sample Matrix: Air

Sampled: 12/2/2017 15:42

Sample Description/Location:

Sub Description/Location:

Work Order: 17L0123

Flow Controller ID:

Sample Type:

Air Volume L: 1073

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Monochlorobiphenyls	ND	0.0010		ND	0.00093	1	12/8/17 23:48	CJM	
Dichlorobiphenyls	ND	0.0010		ND	0.00093	1	12/8/17 23:48	CJM	
Trichlorobiphenyls	ND	0.0010		ND	0.00093	1	12/8/17 23:48	CJM	
Tetrachlorobiphenyls	ND	0.0020		ND	0.0019	1	12/8/17 23:48	CJM	
Pentachlorobiphenyls	ND	0.0020		ND	0.0019	1	12/8/17 23:48	CJM	
Hexachlorobiphenyls	ND	0.0020		ND	0.0019	1	12/8/17 23:48	CJM	
Heptachlorobiphenyls	ND	0.0030		ND	0.0028	1	12/8/17 23:48	CJM	
Octachlorobiphenyls	ND	0.0030		ND	0.0028	1	12/8/17 23:48	CJM	
Nonachlorobiphenyls	ND	0.0050		ND	0.0047	1	12/8/17 23:48	CJM	
Decachlorobiphenyl	ND	0.0050		ND	0.0047	1	12/8/17 23:48	CJM	
Total Polychlorinated biphenyls	0.0			0		1	12/8/17 23:48	CJM	

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	80.0	50-125	12/8/17 23:48

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

ANALYTICAL RESULTS

Project Location: FLHS-Fairfield, CT

Date Received: 12/4/2017

Field Sample #: FLHS-IAS-210

Sample ID: 17L0123-10

Sample Matrix: Air

Sampled: 12/2/2017 15:33

Sample Description/Location:

Sub Description/Location:

Work Order: 17L0123

Flow Controller ID:

Sample Type:

Air Volume L: 944

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		
	Results	RL		Results	RL		Analyzed	Analyst	
Monochlorobiphenyls	ND	0.0010		ND	0.0011	1	12/9/17	0:25	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.0011	1	12/9/17	0:25	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.0011	1	12/9/17	0:25	CJM
Tetrachlorobiphenyls	0.0037	0.0020		0.0039	0.0021	1	12/9/17	0:25	CJM
Pentachlorobiphenyls	0.0079	0.0020		0.0083	0.0021	1	12/9/17	0:25	CJM
Hexachlorobiphenyls	ND	0.0020		ND	0.0021	1	12/9/17	0:25	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0032	1	12/9/17	0:25	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0032	1	12/9/17	0:25	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0053	1	12/9/17	0:25	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0053	1	12/9/17	0:25	CJM
Total Polychlorinated biphenyls	0.012			0.012		1	12/9/17	0:25	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	86.3	50-125	12/9/17 0:25

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

ANALYTICAL RESULTS

Project Location: FLHS-Fairfield, CT

Date Received: 12/4/2017

Field Sample #: FLHS-IAS-211

Sample ID: 17L0123-11

Sample Matrix: Air

Sampled: 12/2/2017 16:20

Sample Description/Location:

Sub Description/Location:

Work Order: 17L0123

Flow Controller ID:

Sample Type:

Air Volume L: 1148

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		
	Results	RL		Results	RL		Analyzed	Analyst	
Monochlorobiphenyls	ND	0.0010		ND	0.00087	1	12/9/17	1:03	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00087	1	12/9/17	1:03	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00087	1	12/9/17	1:03	CJM
Tetrachlorobiphenyls	0.0063	0.0020		0.0055	0.0017	1	12/9/17	1:03	CJM
Pentachlorobiphenyls	0.016	0.0020		0.014	0.0017	1	12/9/17	1:03	CJM
Hexachlorobiphenyls	ND	0.0020		ND	0.0017	1	12/9/17	1:03	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0026	1	12/9/17	1:03	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0026	1	12/9/17	1:03	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0044	1	12/9/17	1:03	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0044	1	12/9/17	1:03	CJM
Total Polychlorinated biphenyls	0.023			0.020		1	12/9/17	1:03	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	84.5	50-125	12/9/17 1:03

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

ANALYTICAL RESULTS

Project Location: FLHS-Fairfield, CT

Date Received: 12/4/2017

Field Sample #: FLHS-IAS-212

Sample ID: 17L0123-12

Sample Matrix: Air

Sampled: 12/2/2017 16:25

Sample Description/Location:

Sub Description/Location:

Work Order: 17L0123

Flow Controller ID:

Sample Type:

Air Volume L: 1150

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		
	Results	RL		Results	RL		Analyzed	Analyst	
Monochlorobiphenyls	ND	0.0010		ND	0.00087	1	12/9/17	1:40	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00087	1	12/9/17	1:40	CJM
Trichlorobiphenyls	0.0026	0.0010		0.0022	0.00087	1	12/9/17	1:40	CJM
Tetrachlorobiphenyls	0.0040	0.0020		0.0035	0.0017	1	12/9/17	1:40	CJM
Pentachlorobiphenyls	0.0081	0.0020		0.0071	0.0017	1	12/9/17	1:40	CJM
Hexachlorobiphenyls	0.0028	0.0020		0.0025	0.0017	1	12/9/17	1:40	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0026	1	12/9/17	1:40	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0026	1	12/9/17	1:40	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0043	1	12/9/17	1:40	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0043	1	12/9/17	1:40	CJM
Total Polychlorinated biphenyls	0.018			0.015		1	12/9/17	1:40	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	76.1	50-125	12/9/17 1:40

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

ANALYTICAL RESULTS

Project Location: FLHS-Fairfield, CT

Date Received: 12/4/2017

Field Sample #: FLHS-IAS-213

Sample ID: 17L0123-13

Sample Matrix: Air

Sampled: 12/2/2017 14:47

Sample Description/Location:

Sub Description/Location:

Work Order: 17L0123

Flow Controller ID:

Sample Type:

Air Volume L: 1034

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		
	Results	RL		Results	RL		Analyzed	Analyst	
Monochlorobiphenyls	ND	0.0010		ND	0.00097	1	12/9/17	2:18	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00097	1	12/9/17	2:18	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00097	1	12/9/17	2:18	CJM
Tetrachlorobiphenyls	0.014	0.0020		0.013	0.0019	1	12/9/17	2:18	CJM
Pentachlorobiphenyls	0.020	0.0020		0.019	0.0019	1	12/9/17	2:18	CJM
Hexachlorobiphenyls	ND	0.0020		ND	0.0019	1	12/9/17	2:18	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0029	1	12/9/17	2:18	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0029	1	12/9/17	2:18	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0048	1	12/9/17	2:18	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0048	1	12/9/17	2:18	CJM
Total Polychlorinated biphenyls	0.033			0.032		1	12/9/17	2:18	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	76.9	50-125	12/9/17 2:18

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

ANALYTICAL RESULTS

Project Location: FLHS-Fairfield, CT

Date Received: 12/4/2017

Field Sample #: FLHS-IAS-214

Sample ID: 17L0123-14

Sample Matrix: Air

Sampled: 12/2/2017 14:33

Sample Description/Location:

Sub Description/Location:

Work Order: 17L0123

Flow Controller ID:

Sample Type:

Air Volume L: 1056

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		
	Results	RL		Results	RL		Analyzed	Analyst	
Monochlorobiphenyls	ND	0.0010		ND	0.00095	1	12/9/17	2:55	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00095	1	12/9/17	2:55	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00095	1	12/9/17	2:55	CJM
Tetrachlorobiphenyls	0.012	0.0020		0.011	0.0019	1	12/9/17	2:55	CJM
Pentachlorobiphenyls	0.032	0.0020		0.030	0.0019	1	12/9/17	2:55	CJM
Hexachlorobiphenyls	0.0057	0.0020		0.0054	0.0019	1	12/9/17	2:55	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0028	1	12/9/17	2:55	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0028	1	12/9/17	2:55	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0047	1	12/9/17	2:55	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0047	1	12/9/17	2:55	CJM
Total Polychlorinated biphenyls	0.050			0.047		1	12/9/17	2:55	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	82.8	50-125	12/9/17 2:55

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

ANALYTICAL RESULTS

Project Location: FLHS-Fairfield, CT

Date Received: 12/4/2017

Field Sample #: FLHS-IAS-215

Sample ID: 17L0123-15

Sample Matrix: Air

Sampled: 12/2/2017 15:01

Sample Description/Location:

Sub Description/Location:

Work Order: 17L0123

Flow Controller ID:

Sample Type:

Air Volume L: 1022

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		
	Results	RL		Results	RL		Analyzed	Analyst	
Monochlorobiphenyls	ND	0.0010		ND	0.00098	1	12/9/17	3:32	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00098	1	12/9/17	3:32	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00098	1	12/9/17	3:32	CJM
Tetrachlorobiphenyls	0.024	0.0020		0.024	0.002	1	12/9/17	3:32	CJM
Pentachlorobiphenyls	ND	0.0020		ND	0.002	1	12/9/17	3:32	CJM
Hexachlorobiphenyls	ND	0.0020		ND	0.002	1	12/9/17	3:32	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0029	1	12/9/17	3:32	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0029	1	12/9/17	3:32	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0049	1	12/9/17	3:32	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0049	1	12/9/17	3:32	CJM
Total Polychlorinated biphenyls	0.024			0.024		1	12/9/17	3:32	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	83.4	50-125	12/9/17 3:32

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

ANALYTICAL RESULTS

Project Location: FLHS-Fairfield, CT

Date Received: 12/4/2017

Field Sample #: FLHS-IAS-216

Sample ID: 17L0123-16

Sample Matrix: Air

Sampled: 12/2/2017 14:56

Sample Description/Location:

Sub Description/Location:

Work Order: 17L0123

Flow Controller ID:

Sample Type:

Air Volume L: 1029

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		
	Results	RL		Results	RL		Analyzed	Analyst	
Monochlorobiphenyls	ND	0.0010		ND	0.00097	1	12/9/17	4:10	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00097	1	12/9/17	4:10	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00097	1	12/9/17	4:10	CJM
Tetrachlorobiphenyls	0.0074	0.0020		0.0072	0.0019	1	12/9/17	4:10	CJM
Pentachlorobiphenyls	0.015	0.0020		0.014	0.0019	1	12/9/17	4:10	CJM
Hexachlorobiphenyls	ND	0.0020		ND	0.0019	1	12/9/17	4:10	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0029	1	12/9/17	4:10	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0029	1	12/9/17	4:10	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0049	1	12/9/17	4:10	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0049	1	12/9/17	4:10	CJM
Total Polychlorinated biphenyls	0.022			0.021		1	12/9/17	4:10	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	79.1	50-125	12/9/17 4:10

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

ANALYTICAL RESULTS

Project Location: FLHS-Fairfield, CT

Date Received: 12/4/2017

Field Sample #: FLHS-IAS-217

Sample ID: 17L0123-17

Sample Matrix: Air

Sampled: 12/2/2017 14:52

Sample Description/Location:

Sub Description/Location:

Work Order: 17L0123

Flow Controller ID:

Sample Type:

Air Volume L: 1051

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		
	Results	RL		Results	RL		Analyzed	Analyst	
Monochlorobiphenyls	ND	0.0010		ND	0.00095	1	12/9/17	4:47	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00095	1	12/9/17	4:47	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00095	1	12/9/17	4:47	CJM
Tetrachlorobiphenyls	0.0090	0.0020		0.0085	0.0019	1	12/9/17	4:47	CJM
Pentachlorobiphenyls	0.015	0.0020		0.014	0.0019	1	12/9/17	4:47	CJM
Hexachlorobiphenyls	ND	0.0020		ND	0.0019	1	12/9/17	4:47	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0029	1	12/9/17	4:47	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0029	1	12/9/17	4:47	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0048	1	12/9/17	4:47	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0048	1	12/9/17	4:47	CJM
Total Polychlorinated biphenyls	0.024			0.023		1	12/9/17	4:47	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	74.8	50-125	12/9/17 4:47

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

ANALYTICAL RESULTS

Project Location: FLHS-Fairfield, CT

Date Received: 12/4/2017

Field Sample #: FLHS-IAS-219

Sample ID: 17L0123-18

Sample Matrix: Air

Sampled: 12/2/2017 14:39

Sample Description/Location:

Sub Description/Location:

Flow Controller ID:

Sample Type:

Air Volume L: 974

Work Order: 17L0123

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		
	Results	RL		Results	RL		Analyzed	Analyst	
Monochlorobiphenyls	ND	0.0010		ND	0.001	1	12/9/17	5:24	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.001	1	12/9/17	5:24	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.001	1	12/9/17	5:24	CJM
Tetrachlorobiphenyls	ND	0.0020		ND	0.0021	1	12/9/17	5:24	CJM
Pentachlorobiphenyls	ND	0.0020		ND	0.0021	1	12/9/17	5:24	CJM
Hexachlorobiphenyls	ND	0.0020		ND	0.0021	1	12/9/17	5:24	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0031	1	12/9/17	5:24	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0031	1	12/9/17	5:24	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0051	1	12/9/17	5:24	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0051	1	12/9/17	5:24	CJM
Total Polychlorinated biphenyls	0.0			0		1	12/9/17	5:24	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	74.4	50-125	12/9/17 5:24

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

ANALYTICAL RESULTS

Project Location: FLHS-Fairfield, CT

Date Received: 12/4/2017

Field Sample #: FLHS-IAS-220

Sample ID: 17L0123-19

Sample Matrix: Air

Sampled: 12/2/2017 14:25

Sample Description/Location:

Sub Description/Location:

Work Order: 17L0123

Flow Controller ID:

Sample Type:

Air Volume L: 897

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		
	Results	RL		Results	RL		Analyzed	Analyst	
Monochlorobiphenyls	ND	0.0010		ND	0.0011	1	12/9/17	6:02	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.0011	1	12/9/17	6:02	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.0011	1	12/9/17	6:02	CJM
Tetrachlorobiphenyls	ND	0.0020		ND	0.0022	1	12/9/17	6:02	CJM
Pentachlorobiphenyls	ND	0.0020		ND	0.0022	1	12/9/17	6:02	CJM
Hexachlorobiphenyls	ND	0.0020		ND	0.0022	1	12/9/17	6:02	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0033	1	12/9/17	6:02	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0033	1	12/9/17	6:02	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0056	1	12/9/17	6:02	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0056	1	12/9/17	6:02	CJM
Total Polychlorinated biphenyls	0.0			0		1	12/9/17	6:02	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	76.4	50-125	12/9/17 6:02

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

ANALYTICAL RESULTS

Project Location: FLHS-Fairfield, CT

Date Received: 12/4/2017

Field Sample #: FLHS-IAS-221

Sample ID: 17L0123-20

Sample Matrix: Air

Sampled: 12/2/2017 15:27

Sample Description/Location:

Sub Description/Location:

Work Order: 17L0123

Flow Controller ID:

Sample Type:

Air Volume L: 1047

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		
	Results	RL		Results	RL		Analyzed	Analyst	
Monochlorobiphenyls	ND	0.0010		ND	0.00096	1	12/9/17	6:39	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00096	1	12/9/17	6:39	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00096	1	12/9/17	6:39	CJM
Tetrachlorobiphenyls	ND	0.0020		ND	0.0019	1	12/9/17	6:39	CJM
Pentachlorobiphenyls	ND	0.0020		ND	0.0019	1	12/9/17	6:39	CJM
Hexachlorobiphenyls	ND	0.0020		ND	0.0019	1	12/9/17	6:39	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0029	1	12/9/17	6:39	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0029	1	12/9/17	6:39	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0048	1	12/9/17	6:39	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0048	1	12/9/17	6:39	CJM
Total Polychlorinated biphenyls	0.0			0		1	12/9/17	6:39	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	78.7	50-125	12/9/17 6:39

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****Prep Method: SW-846 3540C-TO-10A/EPA 680 Modified**

Lab Number [Field ID]	Batch	Initial [Cartridge	Final [mL]	Date
17L0123-01 [FLHS-IAS-201]	B192566	1.00	1.00	12/06/17
17L0123-02 [FLHS-IAS-202]	B192566	1.00	1.00	12/06/17
17L0123-03 [FLHS-IAS-203]	B192566	1.00	1.00	12/06/17
17L0123-04 [FLHS-IAS-204]	B192566	1.00	1.00	12/06/17
17L0123-05 [FLHS-IAS-205]	B192566	1.00	1.00	12/06/17
17L0123-06 [FLHS-IAS-206]	B192566	1.00	1.00	12/06/17
17L0123-07 [FLHS-IAS-207]	B192566	1.00	1.00	12/06/17
17L0123-08 [FLHS-IAS-208]	B192566	1.00	1.00	12/06/17
17L0123-09 [FLHS-IAS-209]	B192566	1.00	1.00	12/06/17
17L0123-10 [FLHS-IAS-210]	B192566	1.00	1.00	12/06/17
17L0123-11 [FLHS-IAS-211]	B192566	1.00	1.00	12/06/17
17L0123-12 [FLHS-IAS-212]	B192566	1.00	1.00	12/06/17
17L0123-13 [FLHS-IAS-213]	B192566	1.00	1.00	12/06/17
17L0123-14 [FLHS-IAS-214]	B192566	1.00	1.00	12/06/17
17L0123-15 [FLHS-IAS-215]	B192566	1.00	1.00	12/06/17
17L0123-16 [FLHS-IAS-216]	B192566	1.00	1.00	12/06/17
17L0123-17 [FLHS-IAS-217]	B192566	1.00	1.00	12/06/17
17L0123-18 [FLHS-IAS-219]	B192566	1.00	1.00	12/06/17
17L0123-19 [FLHS-IAS-220]	B192566	1.00	1.00	12/06/17
17L0123-20 [FLHS-IAS-221]	B192566	1.00	1.00	12/06/17

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

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

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

Batch B192566 - SW-846 3540C
Blank (B192566-BLK1)

Prepared: 12/06/17 Analyzed: 12/08/17

Monochlorobiphenyls	ND	0.0010
Dichlorobiphenyls	ND	0.0010
Trichlorobiphenyls	ND	0.0010
Tetrachlorobiphenyls	ND	0.0020
Pentachlorobiphenyls	ND	0.0020
Hexachlorobiphenyls	ND	0.0020
Heptachlorobiphenyls	ND	0.0030
Octachlorobiphenyls	ND	0.0030
Nonachlorobiphenyls	ND	0.0050
Decachlorobiphenyl	ND	0.0050
Total Polychlorinated biphenyls	0.0	

Surrogate: Tetrachloro-m-xylene 0.167 0.200 83.4 50-125

LCS (B192566-BS1)

Prepared: 12/06/17 Analyzed: 12/08/17

Monochlorobiphenyls	0.12	0.0010	0.200	62.0	40-140
Dichlorobiphenyls	0.15	0.0010	0.200	73.1	40-140
Trichlorobiphenyls	0.14	0.0010	0.200	68.1	40-140
Tetrachlorobiphenyls	0.27	0.0020	0.400	68.1	40-140
Pentachlorobiphenyls	0.29	0.0020	0.400	73.6	40-140
Hexachlorobiphenyls	0.26	0.0020	0.400	65.7	40-140
Heptachlorobiphenyls	0.39	0.0030	0.600	64.3	40-140
Octachlorobiphenyls	0.40	0.0030	0.600	67.1	40-140
Nonachlorobiphenyls	0.72	0.0050	1.00	72.2	40-140
Decachlorobiphenyl	0.74	0.0050	1.00	74.1	40-140

Surrogate: Tetrachloro-m-xylene 0.145 0.200 72.6 50-125

LCS Dup (B192566-BSD1)

Prepared: 12/06/17 Analyzed: 12/08/17

Monochlorobiphenyls	0.14	0.0010	0.200	68.4	40-140	9.82	50
Dichlorobiphenyls	0.16	0.0010	0.200	79.8	40-140	8.74	50
Trichlorobiphenyls	0.15	0.0010	0.200	76.9	40-140	12.2	50
Tetrachlorobiphenyls	0.31	0.0020	0.400	77.9	40-140	13.4	50
Pentachlorobiphenyls	0.34	0.0020	0.400	85.7	40-140	15.2	50
Hexachlorobiphenyls	0.31	0.0020	0.400	77.7	40-140	16.7	50
Heptachlorobiphenyls	0.46	0.0030	0.600	76.2	40-140	17.0	50
Octachlorobiphenyls	0.48	0.0030	0.600	79.7	40-140	17.2	50
Nonachlorobiphenyls	0.86	0.0050	1.00	85.6	40-140	16.9	50
Decachlorobiphenyl	0.88	0.0050	1.00	87.8	40-140	17.0	50

Surrogate: Tetrachloro-m-xylene 0.142 0.200 71.0 50-125

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

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
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.

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

INTERNAL STANDARD AREA AND RT SUMMARY

TO-10A/EPA 680 Modified

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
FLHS-IAS-201 (17L0123-01) Lab File ID: F1208011.D Analyzed: 12/08/17 16:57									
Phenanthrene-d10	1280754	20.226				50 - 200	20.2260	+/-0.50	
Chrysene-d12	982721	27.964				50 - 200	27.9640	+/-0.50	
FLHS-IAS-202 (17L0123-02) Lab File ID: F1208012.D Analyzed: 12/08/17 17:34									
Phenanthrene-d10	1257669	20.23				50 - 200	20.2300	+/-0.50	
Chrysene-d12	979360	27.964				50 - 200	27.9640	+/-0.50	
FLHS-IAS-203 (17L0123-03) Lab File ID: F1208013.D Analyzed: 12/08/17 18:12									
Phenanthrene-d10	1318034	20.226				50 - 200	20.2260	+/-0.50	
Chrysene-d12	997146	27.964				50 - 200	27.9640	+/-0.50	
FLHS-IAS-204 (17L0123-04) Lab File ID: F1208014.D Analyzed: 12/08/17 18:49									
Phenanthrene-d10	1256722	20.226				50 - 200	20.2260	+/-0.50	
Chrysene-d12	968046	27.964				50 - 200	27.9640	+/-0.50	
FLHS-IAS-205 (17L0123-05) Lab File ID: F1208015.D Analyzed: 12/08/17 19:26									
Phenanthrene-d10	1282059	20.226				50 - 200	20.2260	+/-0.50	
Chrysene-d12	978520	27.964				50 - 200	27.9640	+/-0.50	
FLHS-IAS-206 (17L0123-06) Lab File ID: F1208019.D Analyzed: 12/08/17 21:56									
Phenanthrene-d10	1240284	20.225				50 - 200	20.2250	+/-0.50	
Chrysene-d12	933192	27.964				50 - 200	27.9640	+/-0.50	
FLHS-IAS-207 (17L0123-07) Lab File ID: F1208020.D Analyzed: 12/08/17 22:33									
Phenanthrene-d10	1254998	20.226				50 - 200	20.2260	+/-0.50	
Chrysene-d12	972838	27.964				50 - 200	27.9640	+/-0.50	
FLHS-IAS-208 (17L0123-08) Lab File ID: F1208021.D Analyzed: 12/08/17 23:11									
Phenanthrene-d10	1329309	20.226				50 - 200	20.2260	+/-0.50	
Chrysene-d12	1009837	27.965				50 - 200	27.9650	+/-0.50	
FLHS-IAS-209 (17L0123-09) Lab File ID: F1208022.D Analyzed: 12/08/17 23:48									
Phenanthrene-d10	1262372	20.226				50 - 200	20.2260	+/-0.50	
Chrysene-d12	975521	27.964				50 - 200	27.9640	+/-0.50	
FLHS-IAS-210 (17L0123-10) Lab File ID: F1208023.D Analyzed: 12/09/17 00:25									
Phenanthrene-d10	1261179	20.225				50 - 200	20.2250	+/-0.50	
Chrysene-d12	967248	27.964				50 - 200	27.9640	+/-0.50	
FLHS-IAS-211 (17L0123-11) Lab File ID: F1208024.D Analyzed: 12/09/17 01:03									
Phenanthrene-d10	1085072	20.226				50 - 200	20.2260	+/-0.50	
Chrysene-d12	781530	27.964				50 - 200	27.9640	+/-0.50	
FLHS-IAS-212 (17L0123-12) Lab File ID: F1208025.D Analyzed: 12/09/17 01:40									
Phenanthrene-d10	1294686	20.23				50 - 200	20.2300	+/-0.50	
Chrysene-d12	944145	27.964				50 - 200	27.9640	+/-0.50	
FLHS-IAS-213 (17L0123-13) Lab File ID: F1208026.D Analyzed: 12/09/17 02:18									
Phenanthrene-d10	1292514	20.225				50 - 200	20.2250	+/-0.50	
Chrysene-d12	969854	27.964				50 - 200	27.9640	+/-0.50	

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

INTERNAL STANDARD AREA AND RT SUMMARY

TO-10A/EPA 680 Modified

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
FLHS-IAS-214 (17L0123-14)			Lab File ID: F1208027.D			Analyzed: 12/09/17 02:55			
Phenanthrene-d10	1211038	20.226				50 - 200	20.2260	+/-0.50	
Chrysene-d12	867055	27.964				50 - 200	27.9640	+/-0.50	
FLHS-IAS-215 (17L0123-15)			Lab File ID: F1208028.D			Analyzed: 12/09/17 03:32			
Phenanthrene-d10	1315593	20.225				50 - 200	20.2250	+/-0.50	
Chrysene-d12	987612	27.964				50 - 200	27.9640	+/-0.50	
FLHS-IAS-216 (17L0123-16)			Lab File ID: F1208029.D			Analyzed: 12/09/17 04:10			
Phenanthrene-d10	1277839	20.226				50 - 200	20.2260	+/-0.50	
Chrysene-d12	1008368	27.964				50 - 200	27.9640	+/-0.50	
FLHS-IAS-217 (17L0123-17)			Lab File ID: F1208030.D			Analyzed: 12/09/17 04:47			
Phenanthrene-d10	1301724	20.225				50 - 200	20.2250	+/-0.50	
Chrysene-d12	1004594	27.964				50 - 200	27.9640	+/-0.50	
FLHS-IAS-219 (17L0123-18)			Lab File ID: F1208031.D			Analyzed: 12/09/17 05:24			
Phenanthrene-d10	1240557	20.226				50 - 200	20.2260	+/-0.50	
Chrysene-d12	951234	27.964				50 - 200	27.9640	+/-0.50	
FLHS-IAS-220 (17L0123-19)			Lab File ID: F1208032.D			Analyzed: 12/09/17 06:02			
Phenanthrene-d10	1294867	20.226				50 - 200	20.2260	+/-0.50	
Chrysene-d12	987975	27.964				50 - 200	27.9640	+/-0.50	
FLHS-IAS-221 (17L0123-20)			Lab File ID: F1208033.D			Analyzed: 12/09/17 06:39			
Phenanthrene-d10	1291192	20.226				50 - 200	20.2260	+/-0.50	
Chrysene-d12	1013754	27.964				50 - 200	27.9640	+/-0.50	

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

CONTINUING CALIBRATION CHECK

COMPOUND	TYPE			RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
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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 - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018



Phone: 413-525-2332

Fax: 413-525-6405

Email: info@contestlabs.com

Company Name: Woonsocket, Rhode IslandAddress: 40 SHATTUCK RD ANDOVER MAPhone: 978 482 7867Project Name: FLHSProject Location: FAIRFIELDProject Number: 228875Project Manager: JEFF HANDELCon-Test Quote Name/Number: FLHS 4/10/2017Invoice Recipient: GEORGE FRANKLINSampled By: GEORGE FRANKLIN

Requested Turnaround Time: ☒ 7-Day ☐ 10-Day ☒

Due Date: _____

Rush Approval Required: ☐ 1-Day ☐ 3-Day ☐ 2-Day ☐ 4-Day ☐

Data Delivery: ☒ EXCEL ☐

Format: PDF ☒ EXCEL ☐

Other: _____

CLP Like Data Pkg Required: ☐

Email To: jeff.handel@con-test.com

Fax To #: _____

ANALYSIS REQUESTED

Lab Use	Con-Test Work Order #	Client Use	Collection Data	Duration	Flow Rate	Matrix	Volume	Lab Receipt Pressure			Please fill out completely, sign, date and retain the yellow copy for your records
								Initial Pressure	Final Pressure	" Hg	
1	FLHS-IAS-201		12/11/17 14:20	12/11/17 14:20	2.50	IA	1,000				PCBs 10-10A Hexelogs
2	FLHS-IAS-202		12/11/17 14:20	12/11/17 14:20	2.50	IA	1,091				
3	FLHS-IAS-203		12/11/17 14:20	12/11/17 14:20	2.63	IA	992				
4	FLHS-IAS-204		12/11/17 14:20	12/11/17 14:20	2.54	IA	953				
5	FLHS-IAS-205		12/11/17 14:20	12/11/17 14:20	2.54	IA	1,042				
6	FLHS-IAS-206		12/11/17 14:20	12/11/17 14:20	2.59	IA	1,062				
7	FLHS-IAS-207		12/11/17 14:20	12/11/17 14:20	2.57	IA	1,097				
8	FLHS-IAS-208		12/11/17 14:20	12/11/17 14:20	2.59	IA	1,111				
9	FLHS-IAS-209		12/11/17 14:20	12/11/17 14:20	2.53	IA	1,073				

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:

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

Matrix Codes:

SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other

Relinquished by: (signature) [Signature] Date/Time: 12/17/17 12:00

Relinquished by: (signature) [Signature] Date/Time: 12:00

Relinquished by: (signature) [Signature] Date/Time: 17:00

Relinquished by: (signature) [Signature] Date/Time: 17:00

Relinquished by: (signature) [Signature] Date/Time: _____

Received by: (signature) _____ Date/Time: _____



NECAG and AHA-LAP, LLC Accredited

Project Entity: ☐ Government ☐ Municipality ☐ WRTA ☐ Other ☐ Chromatogram ☐ AHA-LAP, LLC

☐ Federal ☐ 21 J ☐ School ☐ MBTA

☐ City ☐ Brownfield ☐ MBTA

PCB ONLY: ☐ Soxhlet ☐ Non Soxhlet



ANALYTICAL LABORATORY
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www.contestlabs.com

AIR SAMPLE CHAIN OF CUSTODY

RECORD

1770123

Company Name: WOODARD & LOREN
Address: 40 SHATTUCK RD
ANDOVER MA
Attention: GEORGE FRANKLIN
Project Location: FALFIELD
Sampled By: GEORGE FRANKLIN

Telephone: 978 482 7867
Project # 228875
Client PO # FLTS 4/10/2017

DATA DELIVERY (check one):

☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT

Fax #:

Email: gfranklin@woodardloren.com

Format: ☐ EXCEL ☒ PDF ☐ GIS KEY ☐ OTHER

Proposal Provided? (For Billing purposes)

☒ Yes 4/10/2017 proposal date

Field ID	Sample Description	Media	Lab #	ONLY USE WHEN USING PUMPS				Matrix Code*
				Date	Start	Stop	Total	
10	FLHS-IAS-210	P	-10	12/21/17 0930	12/21/17 1533	363	2.60	944
11	FLHS-IAS-211	P	-11	12/21/17 0915	12/21/17 1620	425	2.70	1148
12	FLHS-IAS-212	P	-12	12/21/17 0906	12/21/17 1625	439	2.62	1150
13	FLHS-IAS-213	P	-13	12/21/17 0824	12/21/17 1447	383	2.70	1034
14	FLHS-IAS-214	P	-14	12/21/17 0813	12/21/17 1443	380	2.78	1056
15	FLHS-IAS-215	P	-15	12/21/17 0841	12/21/17 1501	380	2.69	1022
16	FLHS-IAS-216	P	-16	12/21/17 0835	12/21/17 1456	381	2.70	1029
17	FLHS-IAS-217	P	-17	12/21/17 0830	12/21/17 1452	382	2.75	1051

Laboratory Comments:

CLIENT COMMENTS:

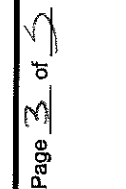
Relinquished by (signature): [Signature] Date/Time: 12/4/17 1200
Reported by (signature): [Signature] Date/Time: 12-4-17 1200
Validated by (signature): [Signature] Date/Time: 12-4-17 1700
Reviewed by (signature): [Signature] Date/Time: 12-4-17 1700

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

Special Requirements
Regulations:
Data Enhancement/RCP? ☐ Y ☐ N
Enhanced Data Package ☐ Y ☐ N
(Surcharge Applies)
Required Detection Limits:
Other:

*Matrix Code:
SG= SOIL GAS
IA= INDOOR AIR
AMB=AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = other
**Media Codes:
S=summa can
T=tetlar bag
P=PUF
T=tube
F= filter
C=cassette
O = Other

URNAROUND 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
ORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT. NELAC & AIHA-LAP, LLC. ACCREDITED WBE/DBE Certified



December 11, 2017

Jeff Hamel
Woodard & Curran - Andover, MA
40 Shattuck Road., Suite 110
Andover, MA 01810

Project Location: FLHS-Fairfield, CT
Client Job Number:
Project Number: 228875.02
Laboratory Work Order Number: 17L0125

Enclosed are results of analyses for samples received by the laboratory on December 4, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, reading "Meghan E. Kelley". The signature is written in a cursive, flowing style.

Meghan E. Kelley
Project Manager

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

Woodard & Curran - Andover, MA
40 Shattuck Road., Suite 110
Andover, MA 01810
ATTN: Jeff Hamel

REPORT DATE: 12/11/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 228875.02

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17L0125

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

PROJECT LOCATION: FLHS-Fairfield, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
FLHS-VWP-100	17L0125-01	Wipe		SW-846 8082A	
FLHS-VWP-101	17L0125-02	Wipe		SW-846 8082A	
FLHS-VWP-102	17L0125-03	Wipe		SW-846 8082A	
FLHS-VWP-103	17L0125-04	Wipe		SW-846 8082A	
FLHS-VWP-104	17L0125-05	Wipe		SW-846 8082A	
FLHS-VWP-105	17L0125-06	Wipe		SW-846 8082A	
FLHS-VWP-106	17L0125-07	Wipe		SW-846 8082A	
FLHS-VWP-107	17L0125-08	Wipe		SW-846 8082A	
FLHS-VWP-108	17L0125-09	Wipe		SW-846 8082A	
FLHS-VWP-109	17L0125-10	Wipe		SW-846 8082A	
FLHS-VWP-110	17L0125-11	Wipe		SW-846 8082A	
FLHS-VWP-111	17L0125-12	Wipe		SW-846 8082A	
FLHS-VWP-112	17L0125-13	Wipe		SW-846 8082A	
FLHS-VWP-113	17L0125-14	Wipe		SW-846 8082A	
FLHS-VWP-114	17L0125-15	Wipe		SW-846 8082A	
FLHS-VWP-115	17L0125-16	Wipe		SW-846 8082A	
FLHS-VWP-116	17L0125-17	Wipe		SW-846 8082A	
FLHS-VWP-117	17L0125-18	Wipe		SW-846 8082A	
FLHS-VWP-118	17L0125-19	Wipe		SW-846 8082A	

CASE NARRATIVE SUMMARY

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

SW-846 8082A

Qualifications:**R-05**

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-1016**

17L0125-01[FLHS-VWP-100], 17L0125-02[FLHS-VWP-101], 17L0125-03[FLHS-VWP-102], 17L0125-04[FLHS-VWP-103], 17L0125-05[FLHS-VWP-104], 17L0125-06[FLHS-VWP-105], 17L0125-07[FLHS-VWP-106], 17L0125-08[FLHS-VWP-107], 17L0125-09[FLHS-VWP-108], 17L0125-10[FLHS-VWP-109], 17L0125-11[FLHS-VWP-110], 17L0125-12[FLHS-VWP-111], 17L0125-13[FLHS-VWP-112], 17L0125-14[FLHS-VWP-113], 17L0125-15[FLHS-VWP-114], 17L0125-16[FLHS-VWP-115], 17L0125-17[FLHS-VWP-116], 17L0125-18[FLHS-VWP-117], 17L0125-19[FLHS-VWP-118], B192552-BLK1, B192552-BS1, B192552-BSD1

Aroclor-1016 [2C]

17L0125-01[FLHS-VWP-100], 17L0125-02[FLHS-VWP-101], 17L0125-03[FLHS-VWP-102], 17L0125-04[FLHS-VWP-103], 17L0125-05[FLHS-VWP-104], 17L0125-06[FLHS-VWP-105], 17L0125-07[FLHS-VWP-106], 17L0125-08[FLHS-VWP-107], 17L0125-09[FLHS-VWP-108], 17L0125-10[FLHS-VWP-109], 17L0125-11[FLHS-VWP-110], 17L0125-12[FLHS-VWP-111], 17L0125-13[FLHS-VWP-112], 17L0125-14[FLHS-VWP-113], 17L0125-15[FLHS-VWP-114], 17L0125-16[FLHS-VWP-115], 17L0125-17[FLHS-VWP-116], 17L0125-18[FLHS-VWP-117], 17L0125-19[FLHS-VWP-118], B192552-BLK1, B192552-BS1, B192552-BSD1

Aroclor-1260

17L0125-01[FLHS-VWP-100], 17L0125-02[FLHS-VWP-101], 17L0125-03[FLHS-VWP-102], 17L0125-04[FLHS-VWP-103], 17L0125-05[FLHS-VWP-104], 17L0125-06[FLHS-VWP-105], 17L0125-07[FLHS-VWP-106], 17L0125-08[FLHS-VWP-107], 17L0125-09[FLHS-VWP-108], 17L0125-10[FLHS-VWP-109], 17L0125-11[FLHS-VWP-110], 17L0125-12[FLHS-VWP-111], 17L0125-13[FLHS-VWP-112], 17L0125-14[FLHS-VWP-113], 17L0125-15[FLHS-VWP-114], 17L0125-16[FLHS-VWP-115], 17L0125-17[FLHS-VWP-116], 17L0125-18[FLHS-VWP-117], 17L0125-19[FLHS-VWP-118], B192552-BLK1, B192552-BS1, B192552-BSD1

Aroclor-1260 [2C]

17L0125-01[FLHS-VWP-100], 17L0125-02[FLHS-VWP-101], 17L0125-03[FLHS-VWP-102], 17L0125-04[FLHS-VWP-103], 17L0125-05[FLHS-VWP-104], 17L0125-06[FLHS-VWP-105], 17L0125-07[FLHS-VWP-106], 17L0125-08[FLHS-VWP-107], 17L0125-09[FLHS-VWP-108], 17L0125-10[FLHS-VWP-109], 17L0125-11[FLHS-VWP-110], 17L0125-12[FLHS-VWP-111], 17L0125-13[FLHS-VWP-112], 17L0125-14[FLHS-VWP-113], 17L0125-15[FLHS-VWP-114], 17L0125-16[FLHS-VWP-115], 17L0125-17[FLHS-VWP-116], 17L0125-18[FLHS-VWP-117], 17L0125-19[FLHS-VWP-118], B192552-BLK1, B192552-BS1, B192552-BSD1

S-20

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

Analyte & Samples(s) Qualified:**Tetrachloro-m-xylene**

17L0125-19[FLHS-VWP-118]

Tetrachloro-m-xylene [2C]

17L0125-19[FLHS-VWP-118]

S-23

Surrogate recovery outside of control limits in BS/MS spiked sample, all reported analytes are within control criteria, data not significantly affected.

Analyte & Samples(s) Qualified:**Tetrachloro-m-xylene**

B192552-BS1

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.

A handwritten signature in black ink, reading "Tod Kopyscinski". The signature is written in a cursive, flowing style.

Tod E. Kopyscinski
Laboratory Director

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

Project Location: FLHS-Fairfield, CT

Sample Description:

Work Order: 17L0125

Date Received: 12/4/2017

Field Sample #: FLHS-VWP-100

Sampled: 12/2/2017 14:34

Sample ID: 17L0125-01

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	12/5/17	12/8/17 22:43	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/8/17 22:43	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/8/17 22:43	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/8/17 22:43	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/8/17 22:43	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/8/17 22:43	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	12/5/17	12/8/17 22:43	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/8/17 22:43	TG
Aroclor-1268 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/8/17 22:43	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	89.8	30-150							
Decachlorobiphenyl [2]	86.7	30-150							
Tetrachloro-m-xylene [1]	93.3	30-150							
Tetrachloro-m-xylene [2]	91.0	30-150							

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

Project Location: FLHS-Fairfield, CT

Sample Description:

Work Order: 17L0125

Date Received: 12/4/2017

Field Sample #: FLHS-VWP-101

Sampled: 12/2/2017 14:44

Sample ID: 17L0125-02

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	12/5/17	12/8/17 23:01	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/8/17 23:01	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/8/17 23:01	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/8/17 23:01	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/8/17 23:01	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/8/17 23:01	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	12/5/17	12/8/17 23:01	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/8/17 23:01	TG
Aroclor-1268 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/8/17 23:01	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	91.6	30-150						12/8/17 23:01	
Decachlorobiphenyl [2]	87.2	30-150						12/8/17 23:01	
Tetrachloro-m-xylene [1]	93.8	30-150						12/8/17 23:01	
Tetrachloro-m-xylene [2]	91.0	30-150						12/8/17 23:01	

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

Project Location: FLHS-Fairfield, CT

Sample Description:

Work Order: 17L0125

Date Received: 12/4/2017

Field Sample #: FLHS-VWP-102

Sampled: 12/2/2017 14:48

Sample ID: 17L0125-03

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	12/5/17	12/8/17 23:19	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/8/17 23:19	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/8/17 23:19	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/8/17 23:19	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/8/17 23:19	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/8/17 23:19	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	12/5/17	12/8/17 23:19	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/8/17 23:19	TG
Aroclor-1268 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/8/17 23:19	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	90.3	30-150						12/8/17 23:19	
Decachlorobiphenyl [2]	85.1	30-150						12/8/17 23:19	
Tetrachloro-m-xylene [1]	91.4	30-150						12/8/17 23:19	
Tetrachloro-m-xylene [2]	88.5	30-150						12/8/17 23:19	

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

Project Location: FLHS-Fairfield, CT

Sample Description:

Work Order: 17L0125

Date Received: 12/4/2017

Field Sample #: FLHS-VWP-103

Sampled: 12/2/2017 14:52

Sample ID: 17L0125-04

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	12/5/17	12/8/17 23:37	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/8/17 23:37	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/8/17 23:37	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/8/17 23:37	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/8/17 23:37	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/8/17 23:37	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	12/5/17	12/8/17 23:37	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/8/17 23:37	TG
Aroclor-1268 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/8/17 23:37	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	83.5	30-150							
Decachlorobiphenyl [2]	82.6	30-150							
Tetrachloro-m-xylene [1]	83.8	30-150							
Tetrachloro-m-xylene [2]	82.9	30-150							

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

Project Location: FLHS-Fairfield, CT

Sample Description:

Work Order: 17L0125

Date Received: 12/4/2017

Field Sample #: FLHS-VWP-104

Sampled: 12/2/2017 14:56

Sample ID: 17L0125-05

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	12/5/17	12/8/17 23:55	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/8/17 23:55	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/8/17 23:55	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/8/17 23:55	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/8/17 23:55	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/8/17 23:55	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	12/5/17	12/8/17 23:55	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/8/17 23:55	TG
Aroclor-1268 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/8/17 23:55	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	88.0	30-150						12/8/17 23:55	
Decachlorobiphenyl [2]	89.2	30-150						12/8/17 23:55	
Tetrachloro-m-xylene [1]	92.9	30-150						12/8/17 23:55	
Tetrachloro-m-xylene [2]	91.0	30-150						12/8/17 23:55	

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

Project Location: FLHS-Fairfield, CT

Sample Description:

Work Order: 17L0125

Date Received: 12/4/2017

Field Sample #: FLHS-VWP-105

Sampled: 12/2/2017 15:01

Sample ID: 17L0125-06

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	12/5/17	12/9/17 0:13	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 0:13	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 0:13	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 0:13	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 0:13	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 0:13	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	12/5/17	12/9/17 0:13	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 0:13	TG
Aroclor-1268 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 0:13	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	94.7	30-150						12/9/17 0:13	
Decachlorobiphenyl [2]	89.6	30-150						12/9/17 0:13	
Tetrachloro-m-xylene [1]	93.4	30-150						12/9/17 0:13	
Tetrachloro-m-xylene [2]	91.0	30-150						12/9/17 0:13	

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

Project Location: FLHS-Fairfield, CT

Sample Description:

Work Order: 17L0125

Date Received: 12/4/2017

Field Sample #: FLHS-VWP-106

Sampled: 12/2/2017 15:05

Sample ID: 17L0125-07

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	12/5/17	12/9/17 0:31	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 0:31	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 0:31	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 0:31	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 0:31	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 0:31	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	12/5/17	12/9/17 0:31	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 0:31	TG
Aroclor-1268 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 0:31	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	85.6	30-150						12/9/17 0:31	
Decachlorobiphenyl [2]	83.9	30-150						12/9/17 0:31	
Tetrachloro-m-xylene [1]	86.8	30-150						12/9/17 0:31	
Tetrachloro-m-xylene [2]	85.4	30-150						12/9/17 0:31	

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

Project Location: FLHS-Fairfield, CT

Sample Description:

Work Order: 17L0125

Date Received: 12/4/2017

Field Sample #: FLHS-VWP-107

Sampled: 12/2/2017 15:15

Sample ID: 17L0125-08

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	12/5/17	12/9/17 0:50	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 0:50	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 0:50	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 0:50	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 0:50	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 0:50	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	12/5/17	12/9/17 0:50	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 0:50	TG
Aroclor-1268 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 0:50	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	87.0	30-150						12/9/17 0:50	
Decachlorobiphenyl [2]	83.8	30-150						12/9/17 0:50	
Tetrachloro-m-xylene [1]	89.3	30-150						12/9/17 0:50	
Tetrachloro-m-xylene [2]	87.8	30-150						12/9/17 0:50	

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

Project Location: FLHS-Fairfield, CT

Sample Description:

Work Order: 17L0125

Date Received: 12/4/2017

Field Sample #: FLHS-VWP-108

Sampled: 12/2/2017 15:27

Sample ID: 17L0125-09

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	12/5/17	12/9/17 1:07	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 1:07	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 1:07	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 1:07	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 1:07	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 1:07	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	12/5/17	12/9/17 1:07	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 1:07	TG
Aroclor-1268 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 1:07	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	89.5	30-150						12/9/17 1:07	
Decachlorobiphenyl [2]	86.0	30-150						12/9/17 1:07	
Tetrachloro-m-xylene [1]	95.3	30-150						12/9/17 1:07	
Tetrachloro-m-xylene [2]	93.2	30-150						12/9/17 1:07	

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Project Location: FLHS-Fairfield, CT

Sample Description:

Work Order: 17L0125

Date Received: 12/4/2017

Field Sample #: FLHS-VWP-109

Sampled: 12/2/2017 15:39

Sample ID: 17L0125-10

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	12/5/17	12/9/17 1:25	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 1:25	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 1:25	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 1:25	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 1:25	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 1:25	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	12/5/17	12/9/17 1:25	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 1:25	TG
Aroclor-1268 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 1:25	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	93.2	30-150						12/9/17 1:25	
Decachlorobiphenyl [2]	90.5	30-150						12/9/17 1:25	
Tetrachloro-m-xylene [1]	98.1	30-150						12/9/17 1:25	
Tetrachloro-m-xylene [2]	95.4	30-150						12/9/17 1:25	

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Project Location: FLHS-Fairfield, CT

Sample Description:

Work Order: 17L0125

Date Received: 12/4/2017

Field Sample #: FLHS-VWP-110

Sampled: 12/2/2017 15:42

Sample ID: 17L0125-11

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	12/5/17	12/9/17 2:14	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 2:14	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 2:14	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 2:14	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 2:14	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 2:14	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	12/5/17	12/9/17 2:14	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 2:14	TG
Aroclor-1268 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 2:14	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	89.6	30-150							
Decachlorobiphenyl [2]	86.5	30-150							
Tetrachloro-m-xylene [1]	92.8	30-150							
Tetrachloro-m-xylene [2]	90.8	30-150							

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Project Location: FLHS-Fairfield, CT

Sample Description:

Work Order: 17L0125

Date Received: 12/4/2017

Field Sample #: FLHS-VWP-111

Sampled: 12/2/2017 15:47

Sample ID: 17L0125-12

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	12/5/17	12/9/17 2:32	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 2:32	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 2:32	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 2:32	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 2:32	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 2:32	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	12/5/17	12/9/17 2:32	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 2:32	TG
Aroclor-1268 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 2:32	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	90.6	30-150						12/9/17 2:32	
Decachlorobiphenyl [2]	87.7	30-150						12/9/17 2:32	
Tetrachloro-m-xylene [1]	92.7	30-150						12/9/17 2:32	
Tetrachloro-m-xylene [2]	90.5	30-150						12/9/17 2:32	

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Project Location: FLHS-Fairfield, CT

Sample Description:

Work Order: 17L0125

Date Received: 12/4/2017

Field Sample #: FLHS-VWP-112

Sampled: 12/2/2017 15:54

Sample ID: 17L0125-13

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	12/5/17	12/9/17 2:50	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 2:50	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 2:50	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 2:50	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 2:50	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 2:50	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	12/5/17	12/9/17 2:50	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 2:50	TG
Aroclor-1268 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 2:50	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	92.8	30-150						12/9/17 2:50	
Decachlorobiphenyl [2]	89.1	30-150						12/9/17 2:50	
Tetrachloro-m-xylene [1]	94.1	30-150						12/9/17 2:50	
Tetrachloro-m-xylene [2]	91.7	30-150						12/9/17 2:50	

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Project Location: FLHS-Fairfield, CT

Sample Description:

Work Order: 17L0125

Date Received: 12/4/2017

Field Sample #: FLHS-VWP-113

Sampled: 12/2/2017 16:02

Sample ID: 17L0125-14

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	12/5/17	12/9/17 3:08	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 3:08	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 3:08	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 3:08	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 3:08	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 3:08	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	12/5/17	12/9/17 3:08	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 3:08	TG
Aroclor-1268 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 3:08	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	91.0	30-150						12/9/17 3:08	
Decachlorobiphenyl [2]	87.5	30-150						12/9/17 3:08	
Tetrachloro-m-xylene [1]	93.8	30-150						12/9/17 3:08	
Tetrachloro-m-xylene [2]	91.6	30-150						12/9/17 3:08	

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

Project Location: FLHS-Fairfield, CT

Sample Description:

Work Order: 17L0125

Date Received: 12/4/2017

Field Sample #: FLHS-VWP-114

Sampled: 12/2/2017 16:06

Sample ID: 17L0125-15

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	12/5/17	12/9/17 3:26	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 3:26	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 3:26	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 3:26	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 3:26	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 3:26	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	12/5/17	12/9/17 3:26	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 3:26	TG
Aroclor-1268 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 3:26	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	91.3	30-150						12/9/17 3:26	
Decachlorobiphenyl [2]	88.2	30-150						12/9/17 3:26	
Tetrachloro-m-xylene [1]	94.6	30-150						12/9/17 3:26	
Tetrachloro-m-xylene [2]	92.2	30-150						12/9/17 3:26	

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

Project Location: FLHS-Fairfield, CT

Sample Description:

Work Order: 17L0125

Date Received: 12/4/2017

Field Sample #: FLHS-VWP-115

Sampled: 12/2/2017 16:12

Sample ID: 17L0125-16

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	12/5/17	12/9/17 3:44	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 3:44	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 3:44	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 3:44	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 3:44	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 3:44	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	12/5/17	12/9/17 3:44	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 3:44	TG
Aroclor-1268 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 3:44	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	90.4	30-150						12/9/17 3:44	
Decachlorobiphenyl [2]	88.5	30-150						12/9/17 3:44	
Tetrachloro-m-xylene [1]	95.0	30-150						12/9/17 3:44	
Tetrachloro-m-xylene [2]	92.7	30-150						12/9/17 3:44	

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Project Location: FLHS-Fairfield, CT

Sample Description:

Work Order: 17L0125

Date Received: 12/4/2017

Field Sample #: FLHS-VWP-116

Sampled: 12/2/2017 16:20

Sample ID: 17L0125-17

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	12/5/17	12/9/17 4:01	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:01	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:01	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:01	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:01	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:01	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	12/5/17	12/9/17 4:01	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:01	TG
Aroclor-1268 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:01	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	92.2	30-150						12/9/17 4:01	
Decachlorobiphenyl [2]	91.1	30-150						12/9/17 4:01	
Tetrachloro-m-xylene [1]	95.5	30-150						12/9/17 4:01	
Tetrachloro-m-xylene [2]	92.7	30-150						12/9/17 4:01	

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Project Location: FLHS-Fairfield, CT

Sample Description:

Work Order: 17L0125

Date Received: 12/4/2017

Field Sample #: FLHS-VWP-117

Sampled: 12/2/2017 16:24

Sample ID: 17L0125-18

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	12/5/17	12/9/17 4:20	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:20	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:20	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:20	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:20	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:20	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	12/5/17	12/9/17 4:20	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:20	TG
Aroclor-1268 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:20	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	96.5	30-150						12/9/17 4:20	
Decachlorobiphenyl [2]	94.3	30-150						12/9/17 4:20	
Tetrachloro-m-xylene [1]	101	30-150						12/9/17 4:20	
Tetrachloro-m-xylene [2]	97.9	30-150						12/9/17 4:20	

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Project Location: FLHS-Fairfield, CT

Sample Description:

Work Order: 17L0125

Date Received: 12/4/2017

Field Sample #: FLHS-VWP-118

Sampled: 12/2/2017 16:32

Sample ID: 17L0125-19

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	12/5/17	12/9/17 4:38	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:38	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:38	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:38	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:38	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:38	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	12/5/17	12/9/17 4:38	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:38	TG
Aroclor-1268 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/5/17	12/9/17 4:38	TG
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	59.8		30-150				12/9/17 4:38		
Decachlorobiphenyl [2]	58.7		30-150				12/9/17 4:38		
Tetrachloro-m-xylene [1]	20.4 *		30-150		S-20		12/9/17 4:38		
Tetrachloro-m-xylene [2]	20.9 *		30-150		S-20		12/9/17 4:38		

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 [Wipe]	Final [mL]	Date
17L0125-01 [FLHS-VWP-100]	B192552	1.00	10.0	12/05/17
17L0125-02 [FLHS-VWP-101]	B192552	1.00	10.0	12/05/17
17L0125-03 [FLHS-VWP-102]	B192552	1.00	10.0	12/05/17
17L0125-04 [FLHS-VWP-103]	B192552	1.00	10.0	12/05/17
17L0125-05 [FLHS-VWP-104]	B192552	1.00	10.0	12/05/17
17L0125-06 [FLHS-VWP-105]	B192552	1.00	10.0	12/05/17
17L0125-07 [FLHS-VWP-106]	B192552	1.00	10.0	12/05/17
17L0125-08 [FLHS-VWP-107]	B192552	1.00	10.0	12/05/17
17L0125-09 [FLHS-VWP-108]	B192552	1.00	10.0	12/05/17
17L0125-10 [FLHS-VWP-109]	B192552	1.00	10.0	12/05/17
17L0125-11 [FLHS-VWP-110]	B192552	1.00	10.0	12/05/17
17L0125-12 [FLHS-VWP-111]	B192552	1.00	10.0	12/05/17
17L0125-13 [FLHS-VWP-112]	B192552	1.00	10.0	12/05/17
17L0125-14 [FLHS-VWP-113]	B192552	1.00	10.0	12/05/17
17L0125-15 [FLHS-VWP-114]	B192552	1.00	10.0	12/05/17
17L0125-16 [FLHS-VWP-115]	B192552	1.00	10.0	12/05/17
17L0125-17 [FLHS-VWP-116]	B192552	1.00	10.0	12/05/17
17L0125-18 [FLHS-VWP-117]	B192552	1.00	10.0	12/05/17
17L0125-19 [FLHS-VWP-118]	B192552	1.00	10.0	12/05/17

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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 B192552 - SW-846 3540C										
Blank (B192552-BLK1)										
Prepared: 12/05/17 Analyzed: 12/08/17										
Aroclor-1016	ND	0.20	µg/Wipe							R-05
Aroclor-1016 [2C]	ND	0.20	µg/Wipe							R-05
Aroclor-1221	ND	0.20	µg/Wipe							
Aroclor-1221 [2C]	ND	0.20	µg/Wipe							
Aroclor-1232	ND	0.20	µg/Wipe							
Aroclor-1232 [2C]	ND	0.20	µg/Wipe							
Aroclor-1242	ND	0.20	µg/Wipe							
Aroclor-1242 [2C]	ND	0.20	µg/Wipe							
Aroclor-1248	ND	0.20	µg/Wipe							
Aroclor-1248 [2C]	ND	0.20	µg/Wipe							
Aroclor-1254	ND	0.20	µg/Wipe							
Aroclor-1254 [2C]	ND	0.20	µg/Wipe							
Aroclor-1260	ND	0.20	µg/Wipe							R-05
Aroclor-1260 [2C]	ND	0.20	µg/Wipe							R-05
Aroclor-1262	ND	0.20	µg/Wipe							
Aroclor-1262 [2C]	ND	0.20	µg/Wipe							
Aroclor-1268	ND	0.20	µg/Wipe							
Aroclor-1268 [2C]	ND	0.20	µg/Wipe							
Surrogate: Decachlorobiphenyl	1.87		µg/Wipe	2.00		93.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.78		µg/Wipe	2.00		89.0	30-150			
Surrogate: Tetrachloro-m-xylene	1.89		µg/Wipe	2.00		94.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.82		µg/Wipe	2.00		91.1	30-150			
LCS (B192552-BS1)										
Prepared: 12/05/17 Analyzed: 12/08/17										
Aroclor-1016	0.22	0.20	µg/Wipe	0.500		44.4	40-140			R-05
Aroclor-1016 [2C]	0.22	0.20	µg/Wipe	0.500		44.1	40-140			R-05
Aroclor-1260	0.24	0.20	µg/Wipe	0.500		48.2	40-140			R-05
Aroclor-1260 [2C]	0.24	0.20	µg/Wipe	0.500		47.6	40-140			R-05
Surrogate: Decachlorobiphenyl	1.22		µg/Wipe	2.00		61.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.20		µg/Wipe	2.00		60.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.591		µg/Wipe	2.00		29.5	* 30-150			S-23
Surrogate: Tetrachloro-m-xylene [2C]	0.601		µg/Wipe	2.00		30.0	30-150			
LCS Dup (B192552-BSD1)										
Prepared: 12/05/17 Analyzed: 12/08/17										
Aroclor-1016	0.53	0.20	µg/Wipe	0.500		105	40-140	81.3	* 30	R-05
Aroclor-1016 [2C]	0.50	0.20	µg/Wipe	0.500		101	40-140	78.1	* 30	R-05
Aroclor-1260	0.49	0.20	µg/Wipe	0.500		97.5	40-140	67.6	* 30	R-05
Aroclor-1260 [2C]	0.49	0.20	µg/Wipe	0.500		98.4	40-140	69.7	* 30	R-05
Surrogate: Decachlorobiphenyl	1.82		µg/Wipe	2.00		90.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.75		µg/Wipe	2.00		87.7	30-150			
Surrogate: Tetrachloro-m-xylene	1.81		µg/Wipe	2.00		90.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.75		µg/Wipe	2.00		87.7	30-150			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
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.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
S-20	Surrogate recovery is outside of control limits. Sample media does not allow for re-extraction.
S-23	Surrogate recovery outside of control limits in BS/MS spiked sample, all reported analytes are within control criteria, data not significantly affected.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
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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 - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018



Company Name: FLHS
 Address: 40 Shattuck Rd, Andover MA
 Phone: FLHS
 Project Name: FLHS
 Project Location: Fairfield CT
 Project Number: 22875
 Project Manager: George Franklin Jett Home
 Con-Test Quote Name/Number: FLHS 4/10/2017
 Invoice Recipient: George Franklin
 Sampled By: George Franklin

Requested Turnaround Time
 7-Day ☐ 10-Day ☐
 Due Date: 5-Day
 Rush Approval ☒
 1-Day ☐ 3-Day ☐
 2-Day ☐ 4-Day ☐
 Data Delivery
 Format: PDF ☒ EXCEL ☒
 Other: ☐
 CLP Like Data Pkg Required: ☐
 Email To: ☐
 Fax To #: ☐

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	FLHS-VWP-100	12/17/1434	1434		X	0	U
2	FLHS-VWP-101	1444	1444		X	1	U
3	FLHS-VWP-102	1448	1448		X	1	U
4	FLHS-VWP-103	1452	1452		X	1	U
5	FLHS-VWP-104	1456	1456		X	1	U
6	FLHS-VWP-105	1501	1501		X	1	U
7	FLHS-VWP-106	1505	1505		X	1	U
8	FLHS-VWP-107	1515	1515		X	1	U
9	FLHS-VWP-108	1527	1527		X	1	U
10	FLHS-VWP-109	1539	1539		X	1	U

Comments:

RL $\leq$ 1 mg/wipe

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: [Signature] Date/Time: 12/17/14 12:05
 Received by: [Signature] Date/Time: 12/17/14 12:00
 Relinquished by: [Signature] Date/Time: 12/17/14 17:00
 Received by: [Signature] Date/Time: 12/17/14 17:00
 Relinquished by: [Signature] Date/Time: 12/17/14 17:00
 Received by: [Signature] Date/Time: 12/17/14 17:00

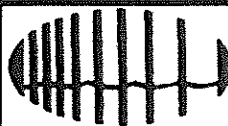
Detection Limit Requirements
 MA ☐ MA MCP Required
 CT ☒ CT MCP Required
 RCP ☐ RCP Certification Form Required
 MA State DW Required
 PW/SID # ☐

Special Requirements
 MA MCP Required
 CT MCP Required
 RCP Certification Form Required
 MA State DW Required
 PW/SID # ☐



Project Entity
 Government ☐ Municipality ☐ WRTA ☐
 Federal ☐ City ☐ Brownfield ☐
 Other ☐ Chromatogram ☐ AIHA-LAP, LLC ☐

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East Longmeadow, MA. 01028
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con-test®
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Woodard & Curran

Received By A.F. Date 12/4/17 Time 1700

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 4.2
By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? ~1A Were Samples Tampered with? ~1A
Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? ~1A Who was notified? _____

Are there Rushes? ~1A Who was notified? _____

Are there Short Holds? ~1A Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? ~1A MS/MSD? ~1A

Proper Media/Containers Used? T Is splitting samples required? ~1A

Were trip blanks received? ~1A On COC? ~1A

Do all samples have the proper pH? ~1A Acid _____ Base _____

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-		Other Plastic		Other Glass		Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:
Sulfuric-		Perchlorate		Ziplock		

Unused Media

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-		Other Plastic		Other Glass		Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:
Sulfuric-		Perchlorate		Ziplock		

Comments:



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Woodard & Curran - Andover, MA

Project Location: FLHS-Fairfield, CT

Project Number: 17L0125

Laboratory Sample ID(s):
Sample Date(s):

17L0125-01 thru 17L0125-19

12/02/2017

List RCP Methods Used:

SW-846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☒ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☒ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☒ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☒ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☒ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☒ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☒ Yes ☐ No
5B	Were these reporting limits met?	☒ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☒ Yes ☐ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☐ Yes ☒ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

This form may not be altered and all questions must be answered.

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

Authorized Signature:
Position: Laboratory Director
Printed Name: Tod E. Kopyscinski
Date: 12/11/17
Name of Laboratory: Con-Test Analytical Laboratory

This certification form is to be used for RCP methods only.

FLHS - PROJECT SUMMARY

Con-Test Analytical Laboratory Job Number: 17L0123

The data validation was conducted in accordance with "USEPA National Functional Guidelines for Organic Superfund Methods Data Review" January 2017; "EPA New England Environmental Data Review Supplement For Regional Data Review Elements and Superfund Specific Guidance/Procedures" April 2013; and the referenced method.

The criteria detailed below were used to qualify the data. Raw data were not used to verify the results reported by the laboratory.

Samples were received at 3.9 degrees Celsius. No qualifications were applied.

PCBs:

All polychlorinated biphenyl (PCB) homolog samples were extracted and analyzed within technical holding times. No qualifications were applied.

All PCB homolog surrogates met acceptance criteria. No qualifications were applied.

The PCB homolog method blank was non-detect (ND) for all target analytes. No qualifications were applied.

No PCB homolog field blank samples were submitted with this analytical package. No qualifications were applied.

No PCB homolog matrix spike/matrix spike duplicate (MS/MSD) was performed on a sample from this analytical package since these were air samples. No qualifications were applied.

The PCB homolog laboratory control sample/laboratory control sample duplicate (LCS/LCSD) met acceptance criteria. No qualifications were applied.

No PCB homolog field duplicate samples were submitted with these analytical packages. No qualifications were applied.

Data Check, Inc.
P.O. Box 29
81 Meaderboro Road
New Durham, NH 03855

Gloria J. Switalski:
President



Date: 12/12/2017