

March 19, 2018

Chris Mocciae
United Illuminating Company
180 Marsh Hill Road
Orange, CT 06477

Project Location: English Station
Client Job Number:
Project Number: 263951
Laboratory Work Order Number: 18C0252

Enclosed are results of analyses for samples received by the laboratory on March 6, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica L. Hoffman
Project Manager

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United Illuminating Company
180 Marsh Hill Road
Orange, CT 06477
ATTN: Chris Moccia

REPORT DATE: 3/19/2018

PURCHASE ORDER NUMBER: 4500446141

PROJECT NUMBER: 263951

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18C0252

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

PROJECT LOCATION: English Station

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
P38A	18C0252-01	Paint	1st fl fuel oil pump rm #2	SW-846 8082A	
P38B	18C0252-02	Paint	1st fl fuel oil pump rm #2	SW-846 8082A	
P39A	18C0252-03	Paint	1st fl fuel oil pump rm #2	SW-846 8082A	
P39B	18C0252-04	Paint	1st fl fuel oil pump rm #2	SW-846 8082A	
P39C	18C0252-05	Paint	1st fl fuel oil pump rm #2	SW-846 8082A	
P40A	18C0252-06	Paint	1st fl fuel oil pump rm #2	SW-846 8082A	
P40B	18C0252-07	Paint	1st fl fuel oil pump rm #2	SW-846 8082A	
P40C	18C0252-08	Paint	1st fl fuel oil pump rm #2	SW-846 8082A	
P41A	18C0252-09	Paint	1st fl fuel oil pump rm #2	SW-846 8082A	
P41B	18C0252-10	Paint	1st fl fuel oil pump rm #2	SW-846 8082A	
P42A	18C0252-11	Paint	1st fl fuel oil pump rm #2	SW-846 8082A	
P42B	18C0252-12	Paint	1st fl fuel oil pump rm #2	SW-846 8082A	
P43A	18C0252-13	Paint	1st fl BF pump rm (E)	SW-846 8082A	
P43B	18C0252-14	Paint	1st fl BF pump rm above door	SW-846 8082A	
P43C	18C0252-15	Paint	1st fl BF pump rm (N)	SW-846 8082A	
P44A	18C0252-16	Paint	1st fl BF pump (N)	SW-846 8082A	
P44B	18C0252-17	Paint	1st fl BF pump (E wall)	SW-846 8082A	
P44C	18C0252-18	Paint	1st fl BF pump (E ctr)	SW-846 8082A	
P45A	18C0252-19	Paint	1st fl BF pump (ctr)	SW-846 8082A	
P45B	18C0252-20	Paint	1st fl BF pump hall (S)	SW-846 8082A	

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CASE NARRATIVE SUMMARY

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

SW-846 8082A

Qualifications:

P-02

Sample RPD between primary and confirmatory analysis exceeded 40%. Per EPA method 8000, the lower value was reported due to obvious chromatographic interference on the column with the higher result.

Analyte & Samples(s) Qualified:

Aroclor-1254

18C0252-09[P41A], 18C0252-11[P42A], 18C0252-12[P42B], 18C0252-15[P43C], 18C0252-18[P44C]

Aroclor-1260 [2C]

18C0252-18[P44C], 18C0252-19[P45A]

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 Kopyscinski", with a stylized, cursive script.

Tod E. Kopyscinski
Laboratory Director

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Project Location: English Station

Sample Description: 1st fl fuel oil pump rm #2

Work Order: 18C0252

Date Received: 3/6/2018

Field Sample #: P38A

Sampled: 2/26/2018 10:10

Sample ID: 18C0252-01

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.7	mg/Kg	10		SW-846 8082A	3/9/18	3/16/18 1:05	TG
Aroclor-1221 [1]	ND	4.7	mg/Kg	10		SW-846 8082A	3/9/18	3/16/18 1:05	TG
Aroclor-1232 [1]	ND	4.7	mg/Kg	10		SW-846 8082A	3/9/18	3/16/18 1:05	TG
Aroclor-1242 [1]	ND	4.7	mg/Kg	10		SW-846 8082A	3/9/18	3/16/18 1:05	TG
Aroclor-1248 [2]	13	4.7	mg/Kg	10		SW-846 8082A	3/9/18	3/16/18 1:05	TG
Aroclor-1254 [1]	34	4.7	mg/Kg	10		SW-846 8082A	3/9/18	3/16/18 1:05	TG
Aroclor-1260 [2]	7.5	4.7	mg/Kg	10		SW-846 8082A	3/9/18	3/16/18 1:05	TG
Aroclor-1262 [1]	ND	4.7	mg/Kg	10		SW-846 8082A	3/9/18	3/16/18 1:05	TG
Aroclor-1268 [1]	ND	4.7	mg/Kg	10		SW-846 8082A	3/9/18	3/16/18 1:05	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	131	30-150						3/16/18 1:05	
Decachlorobiphenyl [2]	112	30-150						3/16/18 1:05	
Tetrachloro-m-xylene [1]	104	30-150						3/16/18 1:05	
Tetrachloro-m-xylene [2]	106	30-150						3/16/18 1:05	

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Project Location: English Station

Sample Description: 1st fl fuel oil pump rm #2

Work Order: 18C0252

Date Received: 3/6/2018

Field Sample #: P38B

Sampled: 2/26/2018 10:15

Sample ID: 18C0252-02

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 1:23	TG
Aroclor-1221 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 1:23	TG
Aroclor-1232 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 1:23	TG
Aroclor-1242 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 1:23	TG
Aroclor-1248 [2]	3.1	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 1:23	TG
Aroclor-1254 [1]	7.7	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 1:23	TG
Aroclor-1260 [2]	2.5	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 1:23	TG
Aroclor-1262 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 1:23	TG
Aroclor-1268 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 1:23	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	130	30-150							
Decachlorobiphenyl [2]	115	30-150							
Tetrachloro-m-xylene [1]	91.3	30-150							
Tetrachloro-m-xylene [2]	101	30-150							

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Project Location: English Station

Sample Description: 1st fl fuel oil pump rm #2

Work Order: 18C0252

Date Received: 3/6/2018

Field Sample #: P39A

Sampled: 2/26/2018 10:15

Sample ID: 18C0252-03

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 1:41	TG
Aroclor-1221 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 1:41	TG
Aroclor-1232 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 1:41	TG
Aroclor-1242 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 1:41	TG
Aroclor-1248 [2]	5.6	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 1:41	TG
Aroclor-1254 [1]	4.2	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 1:41	TG
Aroclor-1260 [2]	7.0	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 1:41	TG
Aroclor-1262 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 1:41	TG
Aroclor-1268 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 1:41	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	132	30-150						3/16/18 1:41	
Decachlorobiphenyl [2]	117	30-150						3/16/18 1:41	
Tetrachloro-m-xylene [1]	96.2	30-150						3/16/18 1:41	
Tetrachloro-m-xylene [2]	102	30-150						3/16/18 1:41	

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Project Location: English Station

Sample Description: 1st fl fuel oil pump rm #2

Work Order: 18C0252

Date Received: 3/6/2018

Field Sample #: P39B

Sampled: 2/26/2018 10:25

Sample ID: 18C0252-04

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.5	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 1:58	TG
Aroclor-1221 [1]	ND	2.5	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 1:58	TG
Aroclor-1232 [1]	ND	2.5	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 1:58	TG
Aroclor-1242 [1]	ND	2.5	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 1:58	TG
Aroclor-1248 [1]	ND	2.5	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 1:58	TG
Aroclor-1254 [2]	5.6	2.5	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 1:58	TG
Aroclor-1260 [2]	11	2.5	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 1:58	TG
Aroclor-1262 [1]	ND	2.5	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 1:58	TG
Aroclor-1268 [1]	ND	2.5	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 1:58	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	142	30-150						3/16/18 1:58	
Decachlorobiphenyl [2]	123	30-150						3/16/18 1:58	
Tetrachloro-m-xylene [1]	93.6	30-150						3/16/18 1:58	
Tetrachloro-m-xylene [2]	113	30-150						3/16/18 1:58	

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Project Location: English Station

Sample Description: 1st fl fuel oil pump rm #2

Work Order: 18C0252

Date Received: 3/6/2018

Field Sample #: P39C

Sampled: 2/26/2018 10:20

Sample ID: 18C0252-05

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.5	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 2:16	TG
Aroclor-1221 [1]	ND	2.5	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 2:16	TG
Aroclor-1232 [1]	ND	2.5	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 2:16	TG
Aroclor-1242 [1]	ND	2.5	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 2:16	TG
Aroclor-1248 [1]	ND	2.5	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 2:16	TG
Aroclor-1254 [2]	5.2	2.5	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 2:16	TG
Aroclor-1260 [1]	13	2.5	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 2:16	TG
Aroclor-1262 [1]	ND	2.5	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 2:16	TG
Aroclor-1268 [1]	ND	2.5	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 2:16	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	130	30-150						3/16/18 2:16	
Decachlorobiphenyl [2]	111	30-150						3/16/18 2:16	
Tetrachloro-m-xylene [1]	82.8	30-150						3/16/18 2:16	
Tetrachloro-m-xylene [2]	102	30-150						3/16/18 2:16	

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Project Location: English Station

Sample Description: 1st fl fuel oil pump rm #2

Work Order: 18C0252

Date Received: 3/6/2018

Field Sample #: P40A

Sampled: 2/26/2018 10:30

Sample ID: 18C0252-06

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:34	TG
Aroclor-1221 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:34	TG
Aroclor-1232 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:34	TG
Aroclor-1242 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:34	TG
Aroclor-1248 [2]	0.70	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:34	TG
Aroclor-1254 [2]	0.93	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:34	TG
Aroclor-1260 [2]	0.93	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:34	TG
Aroclor-1262 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:34	TG
Aroclor-1268 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:34	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	134	30-150							
Decachlorobiphenyl [2]	116	30-150							
Tetrachloro-m-xylene [1]	99.9	30-150							
Tetrachloro-m-xylene [2]	104	30-150							

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Project Location: English Station

Sample Description: 1st fl fuel oil pump rm #2

Work Order: 18C0252

Date Received: 3/6/2018

Field Sample #: P40B

Sampled: 2/26/2018 10:35

Sample ID: 18C0252-07

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:52	TG
Aroclor-1221 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:52	TG
Aroclor-1232 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:52	TG
Aroclor-1242 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:52	TG
Aroclor-1248 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:52	TG
Aroclor-1254 [2]	0.76	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:52	TG
Aroclor-1260 [2]	0.49	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:52	TG
Aroclor-1262 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:52	TG
Aroclor-1268 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:52	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	121	30-150							
Decachlorobiphenyl [2]	103	30-150							
Tetrachloro-m-xylene [1]	89.4	30-150							
Tetrachloro-m-xylene [2]	92.6	30-150							

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

Project Location: English Station

Sample Description: 1st fl fuel oil pump rm #2

Work Order: 18C0252

Date Received: 3/6/2018

Field Sample #: P40C

Sampled: 2/26/2018 10:40

Sample ID: 18C0252-08

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 4:15	TG
Aroclor-1221 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 4:15	TG
Aroclor-1232 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 4:15	TG
Aroclor-1242 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 4:15	TG
Aroclor-1248 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 4:15	TG
Aroclor-1254 [2]	0.46	0.45	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 4:15	TG
Aroclor-1260 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 4:15	TG
Aroclor-1262 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 4:15	TG
Aroclor-1268 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 4:15	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	127	30-150							
Decachlorobiphenyl [2]	107	30-150							
Tetrachloro-m-xylene [1]	91.4	30-150							
Tetrachloro-m-xylene [2]	97.0	30-150							

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

Project Location: English Station

Sample Description: 1st fl fuel oil pump rm #2

Work Order: 18C0252

Date Received: 3/6/2018

Field Sample #: P41A

Sampled: 2/26/2018 10:30

Sample ID: 18C0252-09

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 4:33	TG
Aroclor-1221 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 4:33	TG
Aroclor-1232 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 4:33	TG
Aroclor-1242 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 4:33	TG
Aroclor-1248 [2]	1.6	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 4:33	TG
Aroclor-1254 [1]	2.5	0.44	mg/Kg	1	P-02	SW-846 8082A	3/9/18	3/16/18 4:33	TG
Aroclor-1260 [1]	3.5	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 4:33	TG
Aroclor-1262 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 4:33	TG
Aroclor-1268 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 4:33	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	124	30-150							
Decachlorobiphenyl [2]	108	30-150							
Tetrachloro-m-xylene [1]	94.9	30-150							
Tetrachloro-m-xylene [2]	99.4	30-150							

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

Project Location: English Station

Sample Description: 1st fl fuel oil pump rm #2

Work Order: 18C0252

Date Received: 3/6/2018

Field Sample #: P41B

Sampled: 2/26/2018 10:35

Sample ID: 18C0252-10

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 4:51	TG
Aroclor-1221 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 4:51	TG
Aroclor-1232 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 4:51	TG
Aroclor-1242 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 4:51	TG
Aroclor-1248 [2]	1.1	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 4:51	TG
Aroclor-1254 [2]	2.4	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 4:51	TG
Aroclor-1260 [1]	2.1	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 4:51	TG
Aroclor-1262 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 4:51	TG
Aroclor-1268 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 4:51	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	124	30-150							
Decachlorobiphenyl [2]	107	30-150							
Tetrachloro-m-xylene [1]	86.5	30-150							
Tetrachloro-m-xylene [2]	98.2	30-150							

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

Project Location: English Station

Sample Description: 1st fl fuel oil pump rm #2

Work Order: 18C0252

Date Received: 3/6/2018

Field Sample #: P42A

Sampled: 2/26/2018 10:48

Sample ID: 18C0252-11

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 5:08	TG
Aroclor-1221 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 5:08	TG
Aroclor-1232 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 5:08	TG
Aroclor-1242 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 5:08	TG
Aroclor-1248 [2]	2.1	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 5:08	TG
Aroclor-1254 [1]	2.4	0.49	mg/Kg	1	P-02	SW-846 8082A	3/9/18	3/16/18 5:08	TG
Aroclor-1260 [1]	1.4	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 5:08	TG
Aroclor-1262 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 5:08	TG
Aroclor-1268 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 5:08	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	69.5	30-150						3/16/18 5:08	
Decachlorobiphenyl [2]	60.2	30-150						3/16/18 5:08	
Tetrachloro-m-xylene [1]	59.4	30-150						3/16/18 5:08	
Tetrachloro-m-xylene [2]	61.4	30-150						3/16/18 5:08	

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

Project Location: English Station

Sample Description: 1st fl fuel oil pump rm #2

Work Order: 18C0252

Date Received: 3/6/2018

Field Sample #: P42B

Sampled: 2/26/2018 10:50

Sample ID: 18C0252-12

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 5:26	TG
Aroclor-1221 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 5:26	TG
Aroclor-1232 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 5:26	TG
Aroclor-1242 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 5:26	TG
Aroclor-1248 [2]	2.8	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 5:26	TG
Aroclor-1254 [1]	3.8	0.50	mg/Kg	1	P-02	SW-846 8082A	3/9/18	3/16/18 5:26	TG
Aroclor-1260 [2]	1.3	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 5:26	TG
Aroclor-1262 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 5:26	TG
Aroclor-1268 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 5:26	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	105	30-150							
Decachlorobiphenyl [2]	90.3	30-150							
Tetrachloro-m-xylene [1]	79.3	30-150							
Tetrachloro-m-xylene [2]	81.6	30-150							

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

Project Location: English Station

Sample Description: 1st fl BF pump rm (E)

Work Order: 18C0252

Date Received: 3/6/2018

Field Sample #: P43A

Sampled: 2/26/2018 12:15

Sample ID: 18C0252-13

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 5:44	TG
Aroclor-1221 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 5:44	TG
Aroclor-1232 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 5:44	TG
Aroclor-1242 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 5:44	TG
Aroclor-1248 [2]	0.94	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 5:44	TG
Aroclor-1254 [2]	4.3	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 5:44	TG
Aroclor-1260 [1]	5.6	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 5:44	TG
Aroclor-1262 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 5:44	TG
Aroclor-1268 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 5:44	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	121	30-150							
Decachlorobiphenyl [2]	106	30-150							
Tetrachloro-m-xylene [1]	96.2	30-150							
Tetrachloro-m-xylene [2]	99.0	30-150							

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

Project Location: English Station

Sample Description: 1st fl BF pump rm above door

Work Order: 18C0252

Date Received: 3/6/2018

Field Sample #: P43B

Sampled: 2/26/2018 12:18

Sample ID: 18C0252-14

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:01	TG
Aroclor-1221 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:01	TG
Aroclor-1232 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:01	TG
Aroclor-1242 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:01	TG
Aroclor-1248 [2]	0.84	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:01	TG
Aroclor-1254 [1]	3.4	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:01	TG
Aroclor-1260 [1]	4.6	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:01	TG
Aroclor-1262 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:01	TG
Aroclor-1268 [1]	1.2	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:01	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	119	30-150						3/16/18 6:01	
Decachlorobiphenyl [2]	104	30-150						3/16/18 6:01	
Tetrachloro-m-xylene [1]	95.3	30-150						3/16/18 6:01	
Tetrachloro-m-xylene [2]	97.0	30-150						3/16/18 6:01	

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

Project Location: English Station

Sample Description: 1st fl BF pump rm (N)

Work Order: 18C0252

Date Received: 3/6/2018

Field Sample #: P43C

Sampled: 2/26/2018 12:20

Sample ID: 18C0252-15

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:19	TG
Aroclor-1221 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:19	TG
Aroclor-1232 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:19	TG
Aroclor-1242 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:19	TG
Aroclor-1248 [2]	0.71	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:19	TG
Aroclor-1254 [1]	1.8	0.46	mg/Kg	1	P-02	SW-846 8082A	3/9/18	3/16/18 6:19	TG
Aroclor-1260 [1]	3.1	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:19	TG
Aroclor-1262 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:19	TG
Aroclor-1268 [1]	0.56	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:19	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	124	30-150						3/16/18 6:19	
Decachlorobiphenyl [2]	106	30-150						3/16/18 6:19	
Tetrachloro-m-xylene [1]	92.9	30-150						3/16/18 6:19	
Tetrachloro-m-xylene [2]	95.4	30-150						3/16/18 6:19	

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

Project Location: English Station

Sample Description: 1st fl BF pump (N)

Work Order: 18C0252

Date Received: 3/6/2018

Field Sample #: P44A

Sampled: 2/26/2018 12:15

Sample ID: 18C0252-16

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:37	TG
Aroclor-1221 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:37	TG
Aroclor-1232 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:37	TG
Aroclor-1242 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:37	TG
Aroclor-1248 [2]	1.1	0.43	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:37	TG
Aroclor-1254 [2]	2.6	0.43	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:37	TG
Aroclor-1260 [1]	3.4	0.43	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:37	TG
Aroclor-1262 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:37	TG
Aroclor-1268 [1]	0.78	0.43	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:37	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	128	30-150							
Decachlorobiphenyl [2]	113	30-150							
Tetrachloro-m-xylene [1]	103	30-150							
Tetrachloro-m-xylene [2]	107	30-150							

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

Project Location: English Station

Sample Description: 1st fl BF pump (E wall)

Work Order: 18C0252

Date Received: 3/6/2018

Field Sample #: P44B

Sampled: 2/26/2018 12:19

Sample ID: 18C0252-17

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:55	TG
Aroclor-1221 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:55	TG
Aroclor-1232 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:55	TG
Aroclor-1242 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:55	TG
Aroclor-1248 [2]	1.3	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:55	TG
Aroclor-1254 [2]	3.9	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:55	TG
Aroclor-1260 [1]	4.4	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:55	TG
Aroclor-1262 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:55	TG
Aroclor-1268 [1]	0.59	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:55	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	143	30-150							
Decachlorobiphenyl [2]	126	30-150							
Tetrachloro-m-xylene [1]	116	30-150							
Tetrachloro-m-xylene [2]	121	30-150							

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

Project Location: English Station

Sample Description: 1st fl BF pump (E ctr)

Work Order: 18C0252

Date Received: 3/6/2018

Field Sample #: P44C

Sampled: 2/26/2018 12:23

Sample ID: 18C0252-18

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 7:12	TG
Aroclor-1221 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 7:12	TG
Aroclor-1232 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 7:12	TG
Aroclor-1242 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 7:12	TG
Aroclor-1248 [2]	0.84	0.45	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 7:12	TG
Aroclor-1254 [1]	2.3	0.45	mg/Kg	1	P-02	SW-846 8082A	3/9/18	3/16/18 7:12	TG
Aroclor-1260 [2]	2.5	0.45	mg/Kg	1	P-02	SW-846 8082A	3/9/18	3/16/18 7:12	TG
Aroclor-1262 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 7:12	TG
Aroclor-1268 [1]	0.72	0.45	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 7:12	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	99.6	30-150							
Decachlorobiphenyl [2]	87.6	30-150							
Tetrachloro-m-xylene [1]	82.0	30-150							
Tetrachloro-m-xylene [2]	85.9	30-150							

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

Project Location: English Station

Sample Description: 1st fl BF pump (ctr)

Work Order: 18C0252

Date Received: 3/6/2018

Field Sample #: P45A

Sampled: 2/26/2018 14:10

Sample ID: 18C0252-19

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 7:30	TG
Aroclor-1221 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 7:30	TG
Aroclor-1232 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 7:30	TG
Aroclor-1242 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 7:30	TG
Aroclor-1248 [2]	0.87	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 7:30	TG
Aroclor-1254 [2]	1.9	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 7:30	TG
Aroclor-1260 [2]	1.6	0.46	mg/Kg	1	P-02	SW-846 8082A	3/9/18	3/16/18 7:30	TG
Aroclor-1262 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 7:30	TG
Aroclor-1268 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 7:30	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	112	30-150							
Decachlorobiphenyl [2]	97.2	30-150							
Tetrachloro-m-xylene [1]	87.9	30-150							
Tetrachloro-m-xylene [2]	91.4	30-150							

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

Project Location: English Station

Sample Description: 1st fl BF pump hall (S)

Work Order: 18C0252

Date Received: 3/6/2018

Field Sample #: P45B

Sampled: 2/26/2018 14:30

Sample ID: 18C0252-20

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.4	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 7:48	TG
Aroclor-1221 [1]	ND	2.4	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 7:48	TG
Aroclor-1232 [1]	ND	2.4	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 7:48	TG
Aroclor-1242 [1]	ND	2.4	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 7:48	TG
Aroclor-1248 [1]	ND	2.4	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 7:48	TG
Aroclor-1254 [2]	8.1	2.4	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 7:48	TG
Aroclor-1260 [1]	14	2.4	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 7:48	TG
Aroclor-1262 [1]	ND	2.4	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 7:48	TG
Aroclor-1268 [1]	ND	2.4	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 7:48	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	122	30-150						3/16/18 7:48	
Decachlorobiphenyl [2]	103	30-150						3/16/18 7:48	
Tetrachloro-m-xylene [1]	98.1	30-150						3/16/18 7:48	
Tetrachloro-m-xylene [2]	101	30-150						3/16/18 7:48	

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18C0252-01 [P38A]	B198534	0.214	10.0	03/09/18
18C0252-02 [P38B]	B198534	0.201	10.0	03/09/18
18C0252-03 [P39A]	B198534	0.203	10.0	03/09/18
18C0252-04 [P39B]	B198534	0.201	10.0	03/09/18
18C0252-05 [P39C]	B198534	0.203	10.0	03/09/18
18C0252-06 [P40A]	B198534	0.210	10.0	03/09/18
18C0252-07 [P40B]	B198534	0.206	10.0	03/09/18
18C0252-08 [P40C]	B198534	0.220	10.0	03/09/18
18C0252-09 [P41A]	B198534	0.230	10.0	03/09/18
18C0252-10 [P41B]	B198534	0.206	10.0	03/09/18
18C0252-11 [P42A]	B198534	0.206	10.0	03/09/18
18C0252-12 [P42B]	B198534	0.202	10.0	03/09/18
18C0252-13 [P43A]	B198534	0.230	10.0	03/09/18
18C0252-14 [P43B]	B198534	0.209	10.0	03/09/18
18C0252-15 [P43C]	B198534	0.217	10.0	03/09/18
18C0252-16 [P44A]	B198534	0.231	10.0	03/09/18
18C0252-17 [P44B]	B198534	0.228	10.0	03/09/18
18C0252-18 [P44C]	B198534	0.220	10.0	03/09/18
18C0252-19 [P45A]	B198534	0.219	10.0	03/09/18
18C0252-20 [P45B]	B198534	0.209	10.0	03/09/18

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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 B198534 - SW-846 3540C

Blank (B198534-BLK1)

Prepared: 03/09/18 Analyzed: 03/15/18

Aroclor-1016	ND	0.43	mg/Kg							
Aroclor-1016 [2C]	ND	0.43	mg/Kg							
Aroclor-1221	ND	0.43	mg/Kg							
Aroclor-1221 [2C]	ND	0.43	mg/Kg							
Aroclor-1232	ND	0.43	mg/Kg							
Aroclor-1232 [2C]	ND	0.43	mg/Kg							
Aroclor-1242	ND	0.43	mg/Kg							
Aroclor-1242 [2C]	ND	0.43	mg/Kg							
Aroclor-1248	ND	0.43	mg/Kg							
Aroclor-1248 [2C]	ND	0.43	mg/Kg							
Aroclor-1254	ND	0.43	mg/Kg							
Aroclor-1254 [2C]	ND	0.43	mg/Kg							
Aroclor-1260	ND	0.43	mg/Kg							
Aroclor-1260 [2C]	ND	0.43	mg/Kg							
Aroclor-1262	ND	0.43	mg/Kg							
Aroclor-1262 [2C]	ND	0.43	mg/Kg							
Aroclor-1268	ND	0.43	mg/Kg							
Aroclor-1268 [2C]	ND	0.43	mg/Kg							
Surrogate: Decachlorobiphenyl	16.9		mg/Kg	17.1		98.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	14.6		mg/Kg	17.1		85.5	30-150			
Surrogate: Tetrachloro-m-xylene	11.0		mg/Kg	17.1		64.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	12.6		mg/Kg	17.1		73.9	30-150			

LCS (B198534-BS1)

Prepared: 03/09/18 Analyzed: 03/15/18

Aroclor-1016	2.6	0.43	mg/Kg	2.17		119	40-140			
Aroclor-1016 [2C]	2.4	0.43	mg/Kg	2.17		111	40-140			
Aroclor-1260	2.1	0.43	mg/Kg	2.17		98.8	40-140			
Aroclor-1260 [2C]	2.1	0.43	mg/Kg	2.17		96.9	40-140			
Surrogate: Decachlorobiphenyl	10.9		mg/Kg	8.69		125	30-150			
Surrogate: Decachlorobiphenyl [2C]	9.24		mg/Kg	8.69		106	30-150			
Surrogate: Tetrachloro-m-xylene	8.04		mg/Kg	8.69		92.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	8.32		mg/Kg	8.69		95.7	30-150			

LCS Dup (B198534-BSD1)

Prepared: 03/09/18 Analyzed: 03/15/18

Aroclor-1016	2.9	0.48	mg/Kg	2.40		121	40-140	11.5	30	
Aroclor-1016 [2C]	2.7	0.48	mg/Kg	2.40		113	40-140	11.9	30	
Aroclor-1260	2.4	0.48	mg/Kg	2.40		98.6	40-140	9.87	30	
Aroclor-1260 [2C]	2.3	0.48	mg/Kg	2.40		95.6	40-140	8.63	30	
Surrogate: Decachlorobiphenyl	11.6		mg/Kg	9.61		121	30-150			
Surrogate: Decachlorobiphenyl [2C]	9.84		mg/Kg	9.61		102	30-150			
Surrogate: Tetrachloro-m-xylene	8.80		mg/Kg	9.61		91.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	9.08		mg/Kg	9.61		94.6	30-150			

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P38A

Lab Sample ID: 18C0252-01 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	12	
	2	0.000	0.000	0.000	13	8.0
Aroclor-1254	1	0.000	0.000	0.000	34	
	2	0.000	0.000	0.000	33	3.0
Aroclor-1260	1	0.000	0.000	0.000	7.5	
	2	0.000	0.000	0.000	7.5	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P38B

Lab Sample ID: 18C0252-02 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	2.4	
	2	0.000	0.000	0.000	3.1	25.5
Aroclor-1254	1	0.000	0.000	0.000	7.7	
	2	0.000	0.000	0.000	7.5	2.6
Aroclor-1260	1	0.000	0.000	0.000	2.2	
	2	0.000	0.000	0.000	2.5	12.8

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P39A

Lab Sample ID: 18C0252-03 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	5.1	
	2	0.000	0.000	0.000	5.6	9.4
Aroclor-1254	1	0.000	0.000	0.000	4.2	
	2	0.000	0.000	0.000	3.6	15.4
Aroclor-1260	1	0.000	0.000	0.000	6.5	
	2	0.000	0.000	0.000	7.0	7.4

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***P39B**Lab Sample ID: 18C0252-04 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	5.6	
	2	0.000	0.000	0.000	5.6	0.0
Aroclor-1260	1	0.000	0.000	0.000	10	
	2	0.000	0.000	0.000	11	9.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P39C

Lab Sample ID: 18C0252-05 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	5.1	
	2	0.000	0.000	0.000	5.2	1.9
Aroclor-1260	1	0.000	0.000	0.000	13	
	2	0.000	0.000	0.000	11	16.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P40A

Lab Sample ID: 18C0252-06 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.66	
	2	0.000	0.000	0.000	0.70	5.9
Aroclor-1254	1	0.000	0.000	0.000	0.70	
	2	0.000	0.000	0.000	0.93	28.2
Aroclor-1260	1	0.000	0.000	0.000	0.92	
	2	0.000	0.000	0.000	0.93	1.1

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****P40B***SW-846 8082A*Lab Sample ID: 18C0252-07 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.53	
	2	0.000	0.000	0.000	0.76	35.7

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P41A

Lab Sample ID: 18C0252-09 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	1.2	
	2	0.000	0.000	0.000	1.6	28.6
Aroclor-1254	1	0.000	0.000	0.000	2.5	
	2	0.000	0.000	0.000	4.7	61.1
Aroclor-1260	1	0.000	0.000	0.000	3.5	
	2	0.000	0.000	0.000	3.3	5.9

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P41B

Lab Sample ID: 18C0252-10 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	1.1	
	2	0.000	0.000	0.000	1.1	0.0
Aroclor-1254	1	0.000	0.000	0.000	1.3	
	2	0.000	0.000	0.000	2.4	59.5
Aroclor-1260	1	0.000	0.000	0.000	2.1	
	2	0.000	0.000	0.000	2.0	4.9

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P42A

Lab Sample ID: 18C0252-11 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	1.6	
	2	0.000	0.000	0.000	2.1	27.0
Aroclor-1254	1	0.000	0.000	0.000	2.4	
	2	0.000	0.000	0.000	4.1	52.3
Aroclor-1260	1	0.000	0.000	0.000	1.4	
	2	0.000	0.000	0.000	1.4	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P42B

Lab Sample ID: 18C0252-12 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	2.4	
	2	0.000	0.000	0.000	2.8	15.4
Aroclor-1254	1	0.000	0.000	0.000	3.8	
	2	0.000	0.000	0.000	9.8	88.2
Aroclor-1260	1	0.000	0.000	0.000	1.3	
	2	0.000	0.000	0.000	1.3	0.0

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P43A

Lab Sample ID: 18C0252-13 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.86	
	2	0.000	0.000	0.000	0.94	8.9
Aroclor-1254	1	0.000	0.000	0.000	3.6	
	2	0.000	0.000	0.000	4.3	17.7
Aroclor-1260	1	0.000	0.000	0.000	5.6	
	2	0.000	0.000	0.000	3.9	35.8

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P43B

Lab Sample ID: 18C0252-14 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.63	
	2	0.000	0.000	0.000	0.84	28.6
Aroclor-1254	1	0.000	0.000	0.000	3.4	
	2	0.000	0.000	0.000	2.9	15.9
Aroclor-1260	1	0.000	0.000	0.000	4.6	
	2	0.000	0.000	0.000	3.1	39.0
Aroclor-1268	1	0.000	0.000	0.000	1.2	
	2	0.000	0.000	0.000	1.0	18.2

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****P43C***SW-846 8082A*Lab Sample ID: 18C0252-15 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.58	
	2	0.000	0.000	0.000	0.71	20.2
Aroclor-1254	1	0.000	0.000	0.000	1.8	
	2	0.000	0.000	0.000	3.0	50.0
Aroclor-1260	1	0.000	0.000	0.000	3.1	
	2	0.000	0.000	0.000	2.5	21.4
Aroclor-1268	1	0.000	0.000	0.000	0.56	
	2	0.000	0.000	0.000	0.52	7.4

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P44A

Lab Sample ID: 18C0252-16 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.83	
	2	0.000	0.000	0.000	1.1	28.0
Aroclor-1254	1	0.000	0.000	0.000	2.3	
	2	0.000	0.000	0.000	2.6	12.2
Aroclor-1260	1	0.000	0.000	0.000	3.4	
	2	0.000	0.000	0.000	2.5	30.5
Aroclor-1268	1	0.000	0.000	0.000	0.78	
	2	0.000	0.000	0.000	0.72	8.0

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P44B

Lab Sample ID: 18C0252-17 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	1.1	
	2	0.000	0.000	0.000	1.3	16.7
Aroclor-1254	1	0.000	0.000	0.000	3.6	
	2	0.000	0.000	0.000	3.9	8.0
Aroclor-1260	1	0.000	0.000	0.000	4.4	
	2	0.000	0.000	0.000	3.0	40.0
Aroclor-1268	1	0.000	0.000	0.000	0.59	
	2	0.000	0.000	0.000	0.51	14.5

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P44C

Lab Sample ID: 18C0252-18 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.79	
	2	0.000	0.000	0.000	0.84	6.1
Aroclor-1254	1	0.000	0.000	0.000	2.3	
	2	0.000	0.000	0.000	3.6	44.1
Aroclor-1260	1	0.000	0.000	0.000	3.9	
	2	0.000	0.000	0.000	2.5	43.8
Aroclor-1268	1	0.000	0.000	0.000	0.72	
	2	0.000	0.000	0.000	0.63	13.3

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P45A

Lab Sample ID: 18C0252-19 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.62	
	2	0.000	0.000	0.000	0.87	33.6
Aroclor-1254	1	0.000	0.000	0.000	1.7	
	2	0.000	0.000	0.000	1.9	11.1
Aroclor-1260	1	0.000	0.000	0.000	2.6	
	2	0.000	0.000	0.000	1.6	47.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P45B

Lab Sample ID: 18C0252-20 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	7.5	
	2	0.000	0.000	0.000	8.1	7.7
Aroclor-1260	1	0.000	0.000	0.000	14	
	2	0.000	0.000	0.000	12	15.4

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
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.
P-02	Sample RPD between primary and confirmatory analysis exceeded 40%. Per EPA method 8000, the lower value was reported due to obvious chromatographic interference on the column with the higher result.

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
---------	----------------

No certified Analyses included in this Report

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
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	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
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



21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

CHAIN OF CUSTODY

Edition: September 2007
Supersede Previous Edition

18C0252

LAB ID #.

PROJECT NUMBER		PROJECT NAME		PARAMETERS		CONTAINERS		TURNAROUND TIME				
263951		English Station - Boiler 1-12 Area New Haven, CT						x	Standard TAT 7-10 Days			
SIGNATURE		INSPECTOR						Rush TAT	Date Needed:			
		Mark Kearney/Gregory Kaczynski										
Lab ID:	SAMPLE ID:	DATE	TIME	TYPE	SAMPLE LOCATION	EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1= caulk/glaze X2= paint, X3=other solid)	Preservative	NOTES	
				COMP	GRAB							
	P19B	2/26/18	1453		X	1ST FL-BF Pump Rm (N)	X		X	X 2	---	
	P31A		0930		X	1ST FL-SW HALL; OFFICE DOOR FRAME	X				---	
	P31B		0932		X	1ST FL-SW HALL; OFFICE DOOR FRAME	X				---	
	P32A		0940		X	1ST FL-SW HALL; CABINET	X				---	
	P32B		0945		X	1ST FL-SW HALL; CABINET	X				---	
	P36A		1005		X	1ST FL-GAS CYLINDER RM	X				---	
	P36B		1007		X	1ST FL-GAS CYLINDER RM	X				---	
01	P38A		1010		X	1ST FL-FUEL OIL Pump Rm #2	X				---	
02	P38B		1015		X	1ST FL-FUEL OIL Pump Rm #2	X				---	
03	P39A		1015		X	1ST FL-FUEL OIL Pump Rm #2	X				---	
04	P39B		1025		X	1ST FL-FUEL OIL Pump Rm #2	X				---	

Relinquished by: (Signature) 	Date: 3/5/18	Received by: (Signature) Fridge	Relinquished by: (Signature) Fridge	Date: 3/6/18 9:15	Received by: (Signature)
(Printed) Mark Kearney	Time: 1430	(Printed)	(Printed) Fridge	Time: 1630	(Printed)
Remarks: Report to: Include CT DPH RCP Report				Condition upon Receipt: Page 4 of 13	

Reling Paul Rancit
3/6/18 14:40

Mark Kearney 3/6/18 1440 21,292



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WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

Edition: September 2007
Supersede Previous Edition

CHAIN OF CUSTODY

18C0252

LAB ID #.

PROJECT NUMBER				PROJECT NAME				PARAMETERS	CONTAINERS				TURNAROUND TIME		
263951				English Station - Boiler 1-12 Area New Haven, CT									x	Standard TAT 7-10 Days	
SIGNATURE				INSPECTOR				EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1= caulk/glaze X2= paint, X3=other solid)	Preservative	Rush TAT		Date Needed:
Mark Kearney				Mark Kearney/Gregory Kaczynski											
Lab ID:	SAMPLE ID:	DATE	TIME	TYPE	COMP	GRAB	SAMPLE LOCATION						NOTES		
05	P39C	2/26/18	1020			X	1ST FL - FUEL OIL PUMP RM #2	X		X	X2	---			
06	P40A		1030			X	1ST FL - FUEL OIL PUMP RM #2	X				---			
07	P40B		1035			X	1ST FL - FUEL OIL PUMP RM #2	X				---			
08	P40C		1040			X	1ST FL -	X				---			
09	P41A		1030			X	1ST FL -	X				---			
10	P41B		1035			X	1ST FL -	X				---			
11	P42A		1048			X	1ST FL -	X				---			
12	P42B		1050			X	1ST FL -	X				---			
13	P43A		1215			X	1ST FL - BF PUMP RM (E)	X				---			
14	P43B		1218			X	1ST FL - BF PUMP RM ABOVE DOOR	X				---			
15	P43C		1220			X	1ST FL - BF PUMP RM (N)	X				---			

Relinquished by: (Signature) Mark Kearney	Date: 3/5/18	Received by: (Signature) Fridgo	Relinquished by: (Signature) Fridgo	Date: 3/6/18 9:15	Received by: (Signature) Paul Rancourt
(Printed) Mark Kearney	Time: 11:30	(Printed)	(Printed)	Time:	(Printed)
Remarks: Report to: Include CT DPH RCP Report				Condition upon Receipt: Page 5 of 13	

Relinquished by: Paul Rancourt
3/6/18 14:40

Paul Rancourt 3/6/18 1440 2112.9



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CHAIN OF CUSTODY

1800252

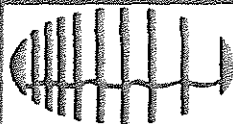
LAB ID #.

PROJECT NUMBER		PROJECT NAME		PARAMETERS		CONTAINERS		TURNAROUND TIME	
263951		English Station - Boiler 1-12 Area New Haven, CT		EPA 8082 (3540)		# of Amber Glass # of Clear Glass Matrix (X1= caulk/glaze X2= paint, X3=other solid) Preservative		Standard TAT 7-10 Days	
								Rush TAT Date Needed:	
SIGNATURE		INSPECTOR		NOTES					
Mark Kearney		Mark Kearney/Gregory Kaczynski							
Lab ID:	SAMPLE ID:	DATE	TIME	TYPE	COMP	GRAB	SAMPLE LOCATION		
16	P44A	2/26/18	1215		X		BTFL-BF PUMP (N)	X	
17	P44B		1219		X		1ST FL-BF PUMP (EWALL)	X	
18	P44C		1223		X		1ST FL-BF PUMP (E-CTR)	X	
19	P45A		1410		X		1ST FL-BF PUMP (CTR)	X	
20	P45B		1430		X		1ST FL-BF PUMP HLL (S)	X	
	P45C		1430		X		1ST FL-BF PUMP HALL	X	
	P46A		1440		X		1ST FL-BF PUMP (S)	X	
	P46B		1443		X		1ST FL-BF PUMP (CTR)	X	
	P46C		1448		X		1ST FL-BF PUMP (W)	X	
	P47A		1440		X		1ST FL-BF PUMP	X	
	P47B		1445		X		1ST FL-BF PUMP	X	

Relinquished by: (Signature) Mark Kearney	Date: 3/5/18	Received by: (Signature) Fridga	Relinquished by: (Signature) Fridga	Date: 3/6/18 9:15	Received by: (Signature) Paul Racinet
(Printed) Mark Kearney	Time: 1430	(Printed) Kearney	(Printed)	Time: 1440	(Printed)
Remarks: Report to: Include CT DPH RCP Report				Condition upon Receipt: Page 6 of 13	

Reling Paul Racinet
3/6/18 14:40

then test 3/6/18 1440 2.1.2.9.8


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 TRC
 Received By SE Date 3/6/18 Time 1440

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

 Were samples within Temperature? 2-6°C T By Gun # 577 Actual Temp - 2.1, 2.9
 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 Client T Analysis T Sampler Name T
 pertinent Information? Project T ID's T Collection Dates/Times T

 Are Sample labels filled out and legible? T

 Are there Lab to Filters? F Who was notified? _____

 Are there Rushes? F Who was notified? _____

 Are there Short Holds? F Who was notified? _____

 Is there enough Volume? T

 Is there Headspace where applicable? N/A MS/MSD? F

 Proper Media/Containers Used? T Is splitting samples required? F

 Were trip blanks received? F 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	<u>20</u>
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:

-Received in 2 coolers



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: United Illuminating Company

Project Location: English Station

Project Number: 18C0252

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

18C0252-01 thru 18C0252-20

02/26/2018

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: 03/19/18
Name of Laboratory: Con-Test Analytical Laboratory

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

March 19, 2018

Chris Mocciae
United Illuminating Company
180 Marsh Hill Road
Orange, CT 06477

Project Location: English Station
Client Job Number:
Project Number: 263951
Laboratory Work Order Number: 18C0253

Enclosed are results of analyses for samples received by the laboratory on March 6, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica L. Hoffman
Project Manager

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

United Illuminating Company
180 Marsh Hill Road
Orange, CT 06477
ATTN: Chris Moccia

REPORT DATE: 3/19/2018

PURCHASE ORDER NUMBER: 4500446141

PROJECT NUMBER: 263951

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18C0253

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

PROJECT LOCATION: English Station

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
P45C	18C0253-01	Paint	1st fl BF pump hall	SW-846 8082A	
P46A	18C0253-02	Paint	1st fl BF pump (S)	SW-846 8082A	
P46B	18C0253-03	Paint	1st fl BF pump (ctr)	SW-846 8082A	
P46C	18C0253-04	Paint	1st fl BF pump (W)	SW-846 8082A	
P47A	18C0253-05	Paint	1st fl BF pump	SW-846 8082A	
P47B	18C0253-06	Paint	1st fl BF pump	SW-846 8082A	
P47C	18C0253-07	Paint	1st fl pump area (N)	SW-846 8082A	
P48A	18C0253-08	Paint	1st fl lube oil rm (tank SE)	SW-846 8082A	
P48B	18C0253-09	Paint	1st fl lube oil rm (tank NE)	SW-846 8082A	
P49A	18C0253-10	Paint	1st fl lube oil rm (tank NE)	SW-846 8082A	
P49B	18C0253-11	Paint	1st fl lube oil rm (tank W)	SW-846 8082A	
P49C	18C0253-12	Paint	1st fl lube oil rm (tank W)	SW-846 8082A	
P50A	18C0253-13	Paint	1st fl BF pump area (C)	SW-846 8082A	
P50B	18C0253-14	Paint	1st fl BF pump area (C-E)	SW-846 8082A	
P51A	18C0253-15	Paint	2nd fl North wall (NW)	SW-846 8082A	
P51B	18C0253-16	Paint	2nd fl West wall (ctr)	SW-846 8082A	
P51C	18C0253-17	Paint	2nd fl South wall	SW-846 8082A	
FTM2A	18C0253-18	Product/Solid	2nd fl rest rm	SW-846 8082A	
FTM2B	18C0253-19	Product/Solid	2nd fl rest rm	SW-846 8082A	
FTM2C	18C0253-20	Product/Solid	2nd fl rest rm	SW-846 8082A	

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

CASE NARRATIVE SUMMARY

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

SW-846 8082A

Qualifications:

P-02

Sample RPD between primary and confirmatory analysis exceeded 40%. Per EPA method 8000, the lower value was reported due to obvious chromatographic interference on the column with the higher result.

Analyte & Samples(s) Qualified:

Aroclor-1254

18C0253-03[P46B], 18C0253-06[P47B], 18C0253-07[P47C], 18C0253-10[P49A], 18C0253-11[P49B]

Aroclor-1260 [2C]

18C0253-03[P46B], 18C0253-09[P48B], 18C0253-10[P49A]

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 gray rectangular background.

Lisa A. Worthington
Project Manager

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

Project Location: English Station

Sample Description: 1st fl BF pump hall

Work Order: 18C0253

Date Received: 3/6/2018

Field Sample #: P45C

Sampled: 2/26/2018 14:30

Sample ID: 18C0253-01

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 11:53	TG
Aroclor-1221 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 11:53	TG
Aroclor-1232 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 11:53	TG
Aroclor-1242 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 11:53	TG
Aroclor-1248 [2]	1.1	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 11:53	TG
Aroclor-1254 [1]	5.2	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 11:53	TG
Aroclor-1260 [1]	3.4	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 11:53	TG
Aroclor-1262 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 11:53	TG
Aroclor-1268 [1]	0.69	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 11:53	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	112	30-150							
Decachlorobiphenyl [2]	100	30-150							
Tetrachloro-m-xylene [1]	90.6	30-150							
Tetrachloro-m-xylene [2]	94.8	30-150							

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

Project Location: English Station

Sample Description: 1st fl BF pump (S)

Work Order: 18C0253

Date Received: 3/6/2018

Field Sample #: P46A

Sampled: 2/26/2018 14:40

Sample ID: 18C0253-02

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:11	TG
Aroclor-1221 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:11	TG
Aroclor-1232 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:11	TG
Aroclor-1242 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:11	TG
Aroclor-1248 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:11	TG
Aroclor-1254 [2]	1.1	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:11	TG
Aroclor-1260 [1]	0.84	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:11	TG
Aroclor-1262 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:11	TG
Aroclor-1268 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:11	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	84.5	30-150							
Decachlorobiphenyl [2]	73.0	30-150							
Tetrachloro-m-xylene [1]	69.8	30-150							
Tetrachloro-m-xylene [2]	72.6	30-150							

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

Project Location: English Station

Sample Description: 1st fl BF pump (ctr)

Work Order: 18C0253

Date Received: 3/6/2018

Field Sample #: P46B

Sampled: 2/26/2018 14:43

Sample ID: 18C0253-03

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:29	TG
Aroclor-1221 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:29	TG
Aroclor-1232 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:29	TG
Aroclor-1242 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:29	TG
Aroclor-1248 [2]	1.4	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:29	TG
Aroclor-1254 [1]	2.5	0.49	mg/Kg	1	P-02	SW-846 8082A	3/11/18	3/16/18 12:29	TG
Aroclor-1260 [2]	2.2	0.49	mg/Kg	1	P-02	SW-846 8082A	3/11/18	3/16/18 12:29	TG
Aroclor-1262 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:29	TG
Aroclor-1268 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:29	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	115	30-150							
Decachlorobiphenyl [2]	99.5	30-150							
Tetrachloro-m-xylene [1]	87.5	30-150							
Tetrachloro-m-xylene [2]	93.2	30-150							

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

Project Location: English Station

Sample Description: 1st fl BF pump (W)

Work Order: 18C0253

Date Received: 3/6/2018

Field Sample #: P46C

Sampled: 2/26/2018 14:48

Sample ID: 18C0253-04

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:47	TG
Aroclor-1221 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:47	TG
Aroclor-1232 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:47	TG
Aroclor-1242 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:47	TG
Aroclor-1248 [2]	1.4	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:47	TG
Aroclor-1254 [2]	2.6	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:47	TG
Aroclor-1260 [1]	2.3	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:47	TG
Aroclor-1262 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:47	TG
Aroclor-1268 [1]	0.58	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:47	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	106	30-150							
Decachlorobiphenyl [2]	92.4	30-150							
Tetrachloro-m-xylene [1]	85.9	30-150							
Tetrachloro-m-xylene [2]	88.2	30-150							

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

Project Location: English Station

Sample Description: 1st fl BF pump

Work Order: 18C0253

Date Received: 3/6/2018

Field Sample #: P47A

Sampled: 2/26/2018 14:40

Sample ID: 18C0253-05

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:04	TG
Aroclor-1221 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:04	TG
Aroclor-1232 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:04	TG
Aroclor-1242 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:04	TG
Aroclor-1248 [2]	1.4	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:04	TG
Aroclor-1254 [2]	3.9	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:04	TG
Aroclor-1260 [1]	4.7	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:04	TG
Aroclor-1262 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:04	TG
Aroclor-1268 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:04	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	107	30-150							
Decachlorobiphenyl [2]	93.0	30-150							
Tetrachloro-m-xylene [1]	86.8	30-150							
Tetrachloro-m-xylene [2]	89.8	30-150							

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

Project Location: English Station

Sample Description: 1st fl BF pump

Work Order: 18C0253

Date Received: 3/6/2018

Field Sample #: P47B

Sampled: 2/26/2018 14:45

Sample ID: 18C0253-06

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:22	TG
Aroclor-1221 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:22	TG
Aroclor-1232 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:22	TG
Aroclor-1242 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:22	TG
Aroclor-1248 [2]	1.3	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:22	TG
Aroclor-1254 [1]	3.3	0.49	mg/Kg	1	P-02	SW-846 8082A	3/11/18	3/16/18 13:22	TG
Aroclor-1260 [1]	3.8	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:22	TG
Aroclor-1262 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:22	TG
Aroclor-1268 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:22	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	109	30-150							
Decachlorobiphenyl [2]	95.6	30-150							
Tetrachloro-m-xylene [1]	88.7	30-150							
Tetrachloro-m-xylene [2]	91.7	30-150							

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

Project Location: English Station

Sample Description: 1st fl pump area (N)

Work Order: 18C0253

Date Received: 3/6/2018

Field Sample #: P47C

Sampled: 2/26/2018 14:50

Sample ID: 18C0253-07

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:40	TG
Aroclor-1221 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:40	TG
Aroclor-1232 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:40	TG
Aroclor-1242 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:40	TG
Aroclor-1248 [2]	0.99	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:40	TG
Aroclor-1254 [1]	2.1	0.50	mg/Kg	1	P-02	SW-846 8082A	3/11/18	3/16/18 13:40	TG
Aroclor-1260 [1]	2.4	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:40	TG
Aroclor-1262 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:40	TG
Aroclor-1268 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:40	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	109	30-150							
Decachlorobiphenyl [2]	95.0	30-150							
Tetrachloro-m-xylene [1]	90.9	30-150							
Tetrachloro-m-xylene [2]	92.7	30-150							

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

Project Location: English Station

Sample Description: 1st fl lube oil rm (tank SE)

Work Order: 18C0253

Date Received: 3/6/2018

Field Sample #: P48A

Sampled: 2/28/2018 09:40

Sample ID: 18C0253-08

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:09	TG
Aroclor-1221 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:09	TG
Aroclor-1232 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:09	TG
Aroclor-1242 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:09	TG
Aroclor-1248 [1]	0.60	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:09	TG
Aroclor-1254 [2]	0.79	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:09	TG
Aroclor-1260 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:09	TG
Aroclor-1262 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:09	TG
Aroclor-1268 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:09	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	100	30-150							
Decachlorobiphenyl [2]	86.0	30-150							
Tetrachloro-m-xylene [1]	86.8	30-150							
Tetrachloro-m-xylene [2]	88.3	30-150							

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

Project Location: English Station

Sample Description: 1st fl lube oil rm (tank NE)

Work Order: 18C0253

Date Received: 3/6/2018

Field Sample #: P48B

Sampled: 2/28/2018 09:45

Sample ID: 18C0253-09

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:26	TG
Aroclor-1221 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:26	TG
Aroclor-1232 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:26	TG
Aroclor-1242 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:26	TG
Aroclor-1248 [2]	0.60	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:26	TG
Aroclor-1254 [2]	1.2	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:26	TG
Aroclor-1260 [2]	0.52	0.48	mg/Kg	1	P-02	SW-846 8082A	3/11/18	3/16/18 15:26	TG
Aroclor-1262 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:26	TG
Aroclor-1268 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:26	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	99.0	30-150							
Decachlorobiphenyl [2]	83.8	30-150							
Tetrachloro-m-xylene [1]	80.9	30-150							
Tetrachloro-m-xylene [2]	83.7	30-150							

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

Project Location: English Station

Sample Description: 1st fl lube oil rm (tank NE)

Work Order: 18C0253

Date Received: 3/6/2018

Field Sample #: P49A

Sampled: 2/28/2018 09:34

Sample ID: 18C0253-10

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:44	TG
Aroclor-1221 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:44	TG
Aroclor-1232 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:44	TG
Aroclor-1242 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:44	TG
Aroclor-1248 [2]	0.59	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:44	TG
Aroclor-1254 [1]	1.6	0.48	mg/Kg	1	P-02	SW-846 8082A	3/11/18	3/16/18 15:44	TG
Aroclor-1260 [2]	1.1	0.48	mg/Kg	1	P-02	SW-846 8082A	3/11/18	3/16/18 15:44	TG
Aroclor-1262 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:44	TG
Aroclor-1268 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:44	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	111	30-150							
Decachlorobiphenyl [2]	110	30-150							
Tetrachloro-m-xylene [1]	79.0	30-150							
Tetrachloro-m-xylene [2]	89.9	30-150							

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

Project Location: English Station

Sample Description: 1st fl lube oil rm (tank W)

Work Order: 18C0253

Date Received: 3/6/2018

Field Sample #: P49B

Sampled: 2/28/2018 09:36

Sample ID: 18C0253-11

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:02	TG
Aroclor-1221 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:02	TG
Aroclor-1232 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:02	TG
Aroclor-1242 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:02	TG
Aroclor-1248 [2]	0.92	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:02	TG
Aroclor-1254 [1]	3.0	0.49	mg/Kg	1	P-02	SW-846 8082A	3/11/18	3/16/18 16:02	TG
Aroclor-1260 [1]	3.5	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:02	TG
Aroclor-1262 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:02	TG
Aroclor-1268 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:02	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	109	30-150							
Decachlorobiphenyl [2]	105	30-150							
Tetrachloro-m-xylene [1]	86.3	30-150							
Tetrachloro-m-xylene [2]	87.4	30-150							

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

Project Location: English Station

Sample Description: 1st fl lube oil rm (tank W)

Work Order: 18C0253

Date Received: 3/6/2018

Field Sample #: P49C

Sampled: 2/28/2018 09:38

Sample ID: 18C0253-12

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:19	TG
Aroclor-1221 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:19	TG
Aroclor-1232 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:19	TG
Aroclor-1242 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:19	TG
Aroclor-1248 [1]	0.83	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:19	TG
Aroclor-1254 [1]	2.7	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:19	TG
Aroclor-1260 [1]	7.6	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:19	TG
Aroclor-1262 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:19	TG
Aroclor-1268 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:19	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	112	30-150							
Decachlorobiphenyl [2]	95.3	30-150							
Tetrachloro-m-xylene [1]	80.4	30-150							
Tetrachloro-m-xylene [2]	92.2	30-150							

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

Project Location: English Station

Sample Description: 1st fl BF pump area (C)

Work Order: 18C0253

Date Received: 3/6/2018

Field Sample #: P50A

Sampled: 2/26/2018 14:50

Sample ID: 18C0253-13

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:37	TG
Aroclor-1221 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:37	TG
Aroclor-1232 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:37	TG
Aroclor-1242 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:37	TG
Aroclor-1248 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:37	TG
Aroclor-1254 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:37	TG
Aroclor-1260 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:37	TG
Aroclor-1262 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:37	TG
Aroclor-1268 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:37	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	118	30-150							
Decachlorobiphenyl [2]	101	30-150							
Tetrachloro-m-xylene [1]	76.4	30-150							
Tetrachloro-m-xylene [2]	91.6	30-150							

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

Project Location: English Station

Sample Description: 1st fl BF pump area (C-E)

Work Order: 18C0253

Date Received: 3/6/2018

Field Sample #: P50B

Sampled: 2/26/2018 14:52

Sample ID: 18C0253-14

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:55	TG
Aroclor-1221 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:55	TG
Aroclor-1232 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:55	TG
Aroclor-1242 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:55	TG
Aroclor-1248 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:55	TG
Aroclor-1254 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:55	TG
Aroclor-1260 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:55	TG
Aroclor-1262 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:55	TG
Aroclor-1268 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:55	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	128	30-150							
Decachlorobiphenyl [2]	110	30-150							
Tetrachloro-m-xylene [1]	105	30-150							
Tetrachloro-m-xylene [2]	104	30-150							

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

Project Location: English Station

Sample Description: 2nd fl North wall (NW)

Work Order: 18C0253

Date Received: 3/6/2018

Field Sample #: P51A

Sampled: 2/28/2018 10:00

Sample ID: 18C0253-15

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:13	TG
Aroclor-1221 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:13	TG
Aroclor-1232 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:13	TG
Aroclor-1242 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:13	TG
Aroclor-1248 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:13	TG
Aroclor-1254 [1]	0.65	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:13	TG
Aroclor-1260 [1]	0.77	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:13	TG
Aroclor-1262 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:13	TG
Aroclor-1268 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:13	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	113	30-150							
Decachlorobiphenyl [2]	96.9	30-150							
Tetrachloro-m-xylene [1]	84.9	30-150							
Tetrachloro-m-xylene [2]	85.0	30-150							

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

Project Location: English Station

Sample Description: 2nd fl West wall (ctr)

Work Order: 18C0253

Date Received: 3/6/2018

Field Sample #: P51B

Sampled: 2/28/2018 10:05

Sample ID: 18C0253-16

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:30	TG
Aroclor-1221 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:30	TG
Aroclor-1232 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:30	TG
Aroclor-1242 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:30	TG
Aroclor-1248 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:30	TG
Aroclor-1254 [1]	1.9	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:30	TG
Aroclor-1260 [1]	1.7	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:30	TG
Aroclor-1262 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:30	TG
Aroclor-1268 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:30	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	64.2	30-150							
Decachlorobiphenyl [2]	54.8	30-150							
Tetrachloro-m-xylene [1]	54.7	30-150							
Tetrachloro-m-xylene [2]	55.5	30-150							

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

Project Location: English Station

Sample Description: 2nd fl South wall

Work Order: 18C0253

Date Received: 3/6/2018

Field Sample #: P51C

Sampled: 2/28/2018 10:08

Sample ID: 18C0253-17

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:48	TG
Aroclor-1221 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:48	TG
Aroclor-1232 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:48	TG
Aroclor-1242 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:48	TG
Aroclor-1248 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:48	TG
Aroclor-1254 [1]	0.81	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:48	TG
Aroclor-1260 [1]	0.85	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:48	TG
Aroclor-1262 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:48	TG
Aroclor-1268 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:48	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	114	30-150							
Decachlorobiphenyl [2]	96.1	30-150							
Tetrachloro-m-xylene [1]	80.2	30-150							
Tetrachloro-m-xylene [2]	82.8	30-150							

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

Project Location: English Station

Sample Description: 2nd fl rest rm

Work Order: 18C0253

Date Received: 3/6/2018

Field Sample #: FTM2A

Sampled: 2/28/2018 14:44

Sample ID: 18C0253-18

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.8	mg/Kg	20		SW-846 8082A	3/6/18	3/14/18 10:03	TG
Aroclor-1221 [1]	ND	1.8	mg/Kg	20		SW-846 8082A	3/6/18	3/14/18 10:03	TG
Aroclor-1232 [1]	ND	1.8	mg/Kg	20		SW-846 8082A	3/6/18	3/14/18 10:03	TG
Aroclor-1242 [1]	ND	1.8	mg/Kg	20		SW-846 8082A	3/6/18	3/14/18 10:03	TG
Aroclor-1248 [1]	ND	1.8	mg/Kg	20		SW-846 8082A	3/6/18	3/14/18 10:03	TG
Aroclor-1254 [1]	3.3	1.8	mg/Kg	20		SW-846 8082A	3/6/18	3/14/18 10:03	TG
Aroclor-1260 [2]	7.6	1.8	mg/Kg	20		SW-846 8082A	3/6/18	3/14/18 10:03	TG
Aroclor-1262 [1]	ND	1.8	mg/Kg	20		SW-846 8082A	3/6/18	3/14/18 10:03	TG
Aroclor-1268 [1]	ND	1.8	mg/Kg	20		SW-846 8082A	3/6/18	3/14/18 10:03	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	46.8	30-150							
Decachlorobiphenyl [2]	48.8	30-150							
Tetrachloro-m-xylene [1]	49.3	30-150							
Tetrachloro-m-xylene [2]	53.8	30-150							

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

Project Location: English Station

Sample Description: 2nd fl rest rm

Work Order: 18C0253

Date Received: 3/6/2018

Field Sample #: FTM2B

Sampled: 2/28/2018 15:00

Sample ID: 18C0253-19

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	3/6/18	3/13/18 10:13	PJG
Aroclor-1221 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	3/6/18	3/13/18 10:13	PJG
Aroclor-1232 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	3/6/18	3/13/18 10:13	PJG
Aroclor-1242 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	3/6/18	3/13/18 10:13	PJG
Aroclor-1248 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	3/6/18	3/13/18 10:13	PJG
Aroclor-1254 [2]	0.57	0.43	mg/Kg	5		SW-846 8082A	3/6/18	3/13/18 10:13	PJG
Aroclor-1260 [2]	0.49	0.43	mg/Kg	5		SW-846 8082A	3/6/18	3/13/18 10:13	PJG
Aroclor-1262 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	3/6/18	3/13/18 10:13	PJG
Aroclor-1268 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	3/6/18	3/13/18 10:13	PJG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	47.5	30-150							
Decachlorobiphenyl [2]	48.3	30-150							
Tetrachloro-m-xylene [1]	59.8	30-150							
Tetrachloro-m-xylene [2]	61.2	30-150							

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

Project Location: English Station

Sample Description: 2nd fl rest rm

Work Order: 18C0253

Date Received: 3/6/2018

Field Sample #: FTM2C

Sampled: 2/28/2018 15:05

Sample ID: 18C0253-20

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	3/6/18	3/13/18 10:32	PJG
Aroclor-1221 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	3/6/18	3/13/18 10:32	PJG
Aroclor-1232 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	3/6/18	3/13/18 10:32	PJG
Aroclor-1242 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	3/6/18	3/13/18 10:32	PJG
Aroclor-1248 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	3/6/18	3/13/18 10:32	PJG
Aroclor-1254 [2]	0.76	0.44	mg/Kg	5		SW-846 8082A	3/6/18	3/13/18 10:32	PJG
Aroclor-1260 [2]	1.4	0.44	mg/Kg	5		SW-846 8082A	3/6/18	3/13/18 10:32	PJG
Aroclor-1262 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	3/6/18	3/13/18 10:32	PJG
Aroclor-1268 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	3/6/18	3/13/18 10:32	PJG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	53.2	30-150						3/13/18 10:32	
Decachlorobiphenyl [2]	53.4	30-150						3/13/18 10:32	
Tetrachloro-m-xylene [1]	66.7	30-150						3/13/18 10:32	
Tetrachloro-m-xylene [2]	70.0	30-150						3/13/18 10:32	

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

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18C0253-01 [P45C]	B198593	0.200	10.0	03/11/18
18C0253-02 [P46A]	B198593	0.202	10.0	03/11/18
18C0253-03 [P46B]	B198593	0.204	10.0	03/11/18
18C0253-04 [P46C]	B198593	0.205	10.0	03/11/18
18C0253-05 [P47A]	B198593	0.206	10.0	03/11/18
18C0253-06 [P47B]	B198593	0.204	10.0	03/11/18
18C0253-07 [P47C]	B198593	0.201	10.0	03/11/18
18C0253-08 [P48A]	B198593	0.204	10.0	03/11/18
18C0253-09 [P48B]	B198593	0.207	10.0	03/11/18
18C0253-10 [P49A]	B198593	0.207	10.0	03/11/18
18C0253-11 [P49B]	B198593	0.206	10.0	03/11/18
18C0253-12 [P49C]	B198593	0.203	10.0	03/11/18
18C0253-13 [P50A]	B198593	0.200	10.0	03/11/18
18C0253-14 [P50B]	B198593	0.205	10.0	03/11/18
18C0253-15 [P51A]	B198593	0.204	10.0	03/11/18
18C0253-16 [P51B]	B198593	0.208	10.0	03/11/18
18C0253-17 [P51C]	B198593	0.200	10.0	03/11/18

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18C0253-18 [FTM2A]	B198311	2.25	10.0	03/06/18
18C0253-19 [FTM2B]	B198311	2.32	10.0	03/06/18
18C0253-20 [FTM2C]	B198311	2.29	10.0	03/06/18

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

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 B198311 - SW-846 3540C
Blank (B198311-BLK1)

Prepared: 03/06/18 Analyzed: 03/13/18

Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	0.853		mg/Kg	1.00		85.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.904		mg/Kg	1.00		90.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.742		mg/Kg	1.00		74.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.784		mg/Kg	1.00		78.4	30-150			

LCS (B198311-BS1)

Prepared: 03/06/18 Analyzed: 03/13/18

Aroclor-1016	0.84	0.10	mg/Kg	1.00		83.6	40-140			
Aroclor-1016 [2C]	0.91	0.10	mg/Kg	1.00		91.1	40-140			
Aroclor-1260	0.80	0.10	mg/Kg	1.00		80.2	40-140			
Aroclor-1260 [2C]	0.87	0.10	mg/Kg	1.00		87.3	40-140			
Surrogate: Decachlorobiphenyl	0.893		mg/Kg	1.00		89.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.945		mg/Kg	1.00		94.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.717		mg/Kg	1.00		71.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.751		mg/Kg	1.00		75.1	30-150			

LCS Dup (B198311-BSD1)

Prepared: 03/06/18 Analyzed: 03/13/18

Aroclor-1016	0.86	0.10	mg/Kg	1.00		85.8	40-140	2.58	30	
Aroclor-1016 [2C]	0.93	0.10	mg/Kg	1.00		92.7	40-140	1.78	30	
Aroclor-1260	0.79	0.10	mg/Kg	1.00		79.5	40-140	0.947	30	
Aroclor-1260 [2C]	0.86	0.10	mg/Kg	1.00		86.2	40-140	1.24	30	
Surrogate: Decachlorobiphenyl	0.877		mg/Kg	1.00		87.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.928		mg/Kg	1.00		92.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.760		mg/Kg	1.00		76.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.795		mg/Kg	1.00		79.5	30-150			

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

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 B198593 - SW-846 3540C
Blank (B198593-BLK1)

Prepared: 03/11/18 Analyzed: 03/16/18

Aroclor-1016	ND	0.50	mg/Kg							
Aroclor-1016 [2C]	ND	0.50	mg/Kg							
Aroclor-1221	ND	0.50	mg/Kg							
Aroclor-1221 [2C]	ND	0.50	mg/Kg							
Aroclor-1232	ND	0.50	mg/Kg							
Aroclor-1232 [2C]	ND	0.50	mg/Kg							
Aroclor-1242	ND	0.50	mg/Kg							
Aroclor-1242 [2C]	ND	0.50	mg/Kg							
Aroclor-1248	ND	0.50	mg/Kg							
Aroclor-1248 [2C]	ND	0.50	mg/Kg							
Aroclor-1254	ND	0.50	mg/Kg							
Aroclor-1254 [2C]	ND	0.50	mg/Kg							
Aroclor-1260	ND	0.50	mg/Kg							
Aroclor-1260 [2C]	ND	0.50	mg/Kg							
Aroclor-1262	ND	0.50	mg/Kg							
Aroclor-1262 [2C]	ND	0.50	mg/Kg							
Aroclor-1268	ND	0.50	mg/Kg							
Aroclor-1268 [2C]	ND	0.50	mg/Kg							
Surrogate: Decachlorobiphenyl	11.7		mg/Kg	10.0		117	30-150			
Surrogate: Decachlorobiphenyl [2C]	9.95		mg/Kg	10.0		99.5	30-150			
Surrogate: Tetrachloro-m-xylene	8.87		mg/Kg	10.0		88.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	9.25		mg/Kg	10.0		92.5	30-150			

LCS (B198593-BS1)

Prepared: 03/11/18 Analyzed: 03/16/18

Aroclor-1016	2.6	0.50	mg/Kg	2.50		106	40-140			
Aroclor-1016 [2C]	2.6	0.50	mg/Kg	2.50		105	40-140			
Aroclor-1260	2.3	0.50	mg/Kg	2.50		91.7	40-140			
Aroclor-1260 [2C]	2.4	0.50	mg/Kg	2.50		94.1	40-140			
Surrogate: Decachlorobiphenyl	11.9		mg/Kg	10.0		119	30-150			
Surrogate: Decachlorobiphenyl [2C]	10.2		mg/Kg	10.0		102	30-150			
Surrogate: Tetrachloro-m-xylene	9.37		mg/Kg	10.0		93.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	9.73		mg/Kg	10.0		97.3	30-150			

LCS Dup (B198593-BSD1)

Prepared: 03/11/18 Analyzed: 03/16/18

Aroclor-1016	2.7	0.50	mg/Kg	2.50		108	40-140	1.43	30	
Aroclor-1016 [2C]	2.6	0.50	mg/Kg	2.50		105	40-140	0.287	30	
Aroclor-1260	2.2	0.50	mg/Kg	2.50		87.6	40-140	4.57	30	
Aroclor-1260 [2C]	2.3	0.50	mg/Kg	2.50		93.4	40-140	0.710	30	
Surrogate: Decachlorobiphenyl	11.4		mg/Kg	10.0		114	30-150			
Surrogate: Decachlorobiphenyl [2C]	9.87		mg/Kg	10.0		98.7	30-150			
Surrogate: Tetrachloro-m-xylene	8.93		mg/Kg	10.0		89.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	9.19		mg/Kg	10.0		91.9	30-150			

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P45C

Lab Sample ID: 18C0253-01 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.88	
	2	0.000	0.000	0.000	1.1	22.2
Aroclor-1254	1	0.000	0.000	0.000	5.2	
	2	0.000	0.000	0.000	4.9	5.9
Aroclor-1260	1	0.000	0.000	0.000	3.4	
	2	0.000	0.000	0.000	3.1	9.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P46A

Lab Sample ID: 18C0253-02 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.91	
	2	0.000	0.000	0.000	1.1	18.9
Aroclor-1260	1	0.000	0.000	0.000	0.84	
	2	0.000	0.000	0.000	0.72	15.4

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P46B

Lab Sample ID: 18C0253-03 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	1.3	
	2	0.000	0.000	0.000	1.4	7.4
Aroclor-1254	1	0.000	0.000	0.000	2.5	
	2	0.000	0.000	0.000	4.5	57.1
Aroclor-1260	1	0.000	0.000	0.000	3.6	
	2	0.000	0.000	0.000	2.2	48.3

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P46C

Lab Sample ID: 18C0253-04 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	1.1	
	2	0.000	0.000	0.000	1.4	24.0
Aroclor-1254	1	0.000	0.000	0.000	2.6	
	2	0.000	0.000	0.000	2.6	0.0
Aroclor-1260	1	0.000	0.000	0.000	2.3	
	2	0.000	0.000	0.000	2.1	9.1

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P47A

Lab Sample ID: 18C0253-05 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	1.1	
	2	0.000	0.000	0.000	1.4	24.0
Aroclor-1254	1	0.000	0.000	0.000	3.6	
	2	0.000	0.000	0.000	3.9	8.0
Aroclor-1260	1	0.000	0.000	0.000	4.7	
	2	0.000	0.000	0.000	4.1	13.6

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P47B

Lab Sample ID: 18C0253-06 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	1.1	
	2	0.000	0.000	0.000	1.3	16.7
Aroclor-1254	1	0.000	0.000	0.000	3.3	
	2	0.000	0.000	0.000	7.4	76.6
Aroclor-1260	1	0.000	0.000	0.000	3.8	
	2	0.000	0.000	0.000	3.2	17.1

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P47C

Lab Sample ID: 18C0253-07 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.75	
	2	0.000	0.000	0.000	0.99	27.6
Aroclor-1254	1	0.000	0.000	0.000	2.1	
	2	0.000	0.000	0.000	4.9	80.0
Aroclor-1260	1	0.000	0.000	0.000	2.4	
	2	0.000	0.000	0.000	2.1	13.3

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***P48A**Lab Sample ID: 18C0253-08 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.60	
	2	0.000	0.000	0.000	0.54	12.2
Aroclor-1254	1	0.000	0.000	0.000	0.70	
	2	0.000	0.000	0.000	0.79	12.1

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P48B

Lab Sample ID: 18C0253-09 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.57	
	2	0.000	0.000	0.000	0.60	5.1
Aroclor-1254	1	0.000	0.000	0.000	1.0	
	2	0.000	0.000	0.000	1.2	18.2
Aroclor-1260	1	0.000	0.000	0.000	0.79	
	2	0.000	0.000	0.000	0.52	41.2

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P49A

Lab Sample ID: 18C0253-10 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.56	
	2	0.000	0.000	0.000	0.59	5.2
Aroclor-1254	1	0.000	0.000	0.000	1.6	
	2	0.000	0.000	0.000	3.2	66.7
Aroclor-1260	1	0.000	0.000	0.000	1.7	
	2	0.000	0.000	0.000	1.1	42.9

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P49B

Lab Sample ID: 18C0253-11 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.77	
	2	0.000	0.000	0.000	0.92	17.8
Aroclor-1254	1	0.000	0.000	0.000	3.0	
	2	0.000	0.000	0.000	5.2	53.7
Aroclor-1260	1	0.000	0.000	0.000	3.5	
	2	0.000	0.000	0.000	2.8	22.2

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P49C

Lab Sample ID: 18C0253-12 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.83	
	2	0.000	0.000	0.000	0.76	8.8
Aroclor-1254	1	0.000	0.000	0.000	2.7	
	2	0.000	0.000	0.000	2.4	11.8
Aroclor-1260	1	0.000	0.000	0.000	7.6	
	2	0.000	0.000	0.000	6.8	11.1

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***P51A**Lab Sample ID: 18C0253-15 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.65	
	2	0.000	0.000	0.000	0.54	18.5
Aroclor-1260	1	0.000	0.000	0.000	0.77	
	2	0.000	0.000	0.000	0.64	18.4

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***P51B**Lab Sample ID: 18C0253-16 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.9	
	2	0.000	0.000	0.000	1.6	17.1
Aroclor-1260	1	0.000	0.000	0.000	1.7	
	2	0.000	0.000	0.000	1.3	26.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P51C

Lab Sample ID: 18C0253-17 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.81	
	2	0.000	0.000	0.000	0.67	18.9
Aroclor-1260	1	0.000	0.000	0.000	0.85	
	2	0.000	0.000	0.000	0.64	28.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

FTM2A

Lab Sample ID: 18C0253-18 Date(s) Analyzed: 03/14/2018 03/14/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	3.3	
	2	0.000	0.000	0.000	2.8	16.4
Aroclor-1260	1	0.000	0.000	0.000	6.8	
	2	0.000	0.000	0.000	7.6	11.1

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***FTM2B**Lab Sample ID: 18C0253-19 Date(s) Analyzed: 03/13/2018 03/13/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.52	
	2	0.000	0.000	0.000	0.57	9.2
Aroclor-1260	1	0.000	0.000	0.000	0.47	
	2	0.000	0.000	0.000	0.49	4.2

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***FTM2C**Lab Sample ID: 18C0253-20 Date(s) Analyzed: 03/13/2018 03/13/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.54	
	2	0.000	0.000	0.000	0.76	33.8
Aroclor-1260	1	0.000	0.000	0.000	1.3	
	2	0.000	0.000	0.000	1.4	7.4

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
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.
P-02	Sample RPD between primary and confirmatory analysis exceeded 40%. Per EPA method 8000, the lower value was reported due to obvious chromatographic interference on the column with the higher result.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
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	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
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



21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

CHAIN OF CUSTODY

Edition: September 2007
Supersede Previous Edition

18C0253

LAB ID #.

PROJECT NUMBER		PROJECT NAME		PARAMETERS		CONTAINERS		TURNAROUND TIME			
263951		English Station - Boiler 1-12 Area New Haven, CT						x	Standard TAT 7-10 Days		
SIGNATURE		INSPECTOR							Rush TAT		
		Mark Kearney/Gregory Kaczynski							Date Needed:		
Lab ID:	SAMPLE ID:	DATE	TIME	TYPE	SAMPLE LOCATION	EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1= caulk/glaze X2= paint, X3=other solid)	Preservative	NOTES
				COMP	GRAB						
	P44A	2/26/18	1215		X	BTFL- BF PUMP (N)	X		X	X	
	P44B		1219		X	1ST FL- BF PUMP (EWALL)	X				
	P44C		1223		X	1ST FL- BF PUMP (E-CTR)	X				
	P45A		1410		X	1ST FL- BF PUMP (CTR)	X				
	P45B		1430		X	1ST FL- BF PUMP HLL (S)	X				
01	P45C		1430		X	1ST FL- BF PUMP HALL	X				
02	P46A		1440		X	1ST FL- BF PUMP (S)	X				
03	P46B		1443		X	1ST FL- BF PUMP (CTR)	X				
04	P46C		1448		X	1ST FL- BF PUMP (W)	X				
05	P47A		1440		X	1ST FL- BF PUMP	X				
06	P47B		1445		X	1ST FL- BF PUMP	X				

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	3/5/18	Fridge	Fridge	3/6/18 9:15	Paul Rasmussen
(Printed)	Time:	(Printed)	(Printed)	Time:	(Printed)
Mark Kearney	1430				
Remarks:				Condition upon Receipt:	
Report to:				Page 6 of 13	
Include CT DPH RCP Report					

Reling Paul Rasmussen
3/6/18 14:40

Run test 3/6/18 1440 21.29C



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CHAIN OF CUSTODY

18C0253

LAB ID #.

PROJECT NUMBER		PROJECT NAME		PARAMETERS		CONTAINERS		TURNAROUND TIME					
263951		English Station - Boiler 1-12 Area New Haven, CT						x	Standard TAT 7-10 Days				
SIGNATURE		INSPECTOR							Rush TAT				
		Mark Kearney/Gregory Kaczynski							Date Needed:				
Lab ID:	SAMPLE ID:	DATE	TIME	TYPE	COMP	GRAB	SAMPLE LOCATION	EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1 = caulk/glaze X2 = paint, X3 = other solid)	Preservative	NOTES
07	P47C	2/26/18	1450		X		1ST FL - PUMP AREA (N)	X		X	X2	---	
08	P48A	2/28/18	0940		X		1ST FL - LUBE OIL RM (TANK SE)	X				---	
09	P48B		0945		X		1ST FL - LUBE OIL RM (TANK NE)	X				---	
10	P49A		0934		X		1ST FL - LUBE OIL RM (TANK NE)	X				---	
11	P49B		0936		X		1ST FL - LUBE OIL RM (TANK W)	X				---	
12	P49C		0938		X		1ST FL - LUBE OIL RM (TANK W)	X				---	
13	P50A	2/26/18	1450		X		1ST FL - BF PUMP AREA (C)	X				---	
14	P50B	2/26/18	1452		X		1ST FL - BF PUMP AREA (C-E)	X				---	
15	P51A	2/28/18	1000		X		2ND FL - NORTH WALL (NW)	X				---	
16	P51B		1005		X		2ND FL - WEST WALL (CTR)	X				---	
17	P51C		1008		X		2ND FL - SOUTH WALL	X				---	

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	3/5/18	Fridge	Fridge	3/6/18 9:15	Paul Racine
(Printed)	Time:	(Printed)	(Printed)	Time:	(Printed)
Mark Kearney	1430				
Remarks: Report to:				Condition upon Receipt:	
Include CT DPH RCP Report				Page 7 of 13	

Relinquished by: Paul Racine
3/6/18 14:40

Paul Racine 3/6/18 1440 21, 2.9 C



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LAB ID #.

PROJECT NUMBER		PROJECT NAME		PARAMETERS		CONTAINERS		TURNAROUND TIME							
263951		English Station - Boiler 1-12 Area New Haven, CT						<table border="1"> <tr> <td>x</td> <td>Standard TAT 7-10 Days</td> </tr> <tr> <td></td> <td>Rush TAT</td> </tr> <tr> <td></td> <td>Date Needed:</td> </tr> </table>		x	Standard TAT 7-10 Days		Rush TAT		Date Needed:
x	Standard TAT 7-10 Days														
	Rush TAT														
	Date Needed:														
SIGNATURE		INSPECTOR													
		Mark Kearney/Gregory Kaczynski													
Lab ID:	SAMPLE ID:	DATE	TIME	TYPE	SAMPLE LOCATION	EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1= caulk/glaze X2= paint, X3=other solid)	Preservative	NOTES				
18	FTM2A	2/28/18	1444	X	2nd Fl. Rest Rm.	X		X	X3	---	FTM2A				
19	FTM2B	2/28/18	1500	X	2nd Fl. Rest Rm.	X			X3	---	FTM2B				
20	FTM2C	2/28/18	1505	X	2nd Fl. Rest Rm.	X			X3	---	FTM2C				
	PS1D	2/28/18	1012	X	2nd Fl. Boiler 11	X			X2	---					
	PS1E	3/1/18	0905	X	2nd Fl. Boiler 7	X			X2	---					
	PS1F	3/1/18	1030	X	North Boiler Mezzanine	X			X2	---	Boiler Brick N#1				
	PS1G	3/1/18	1035	X	Boiler #4 Mezzanine	X			X2	---					
	PS1H	3/1/18	1045	X	Boiler Am Staggins - Eastwell	X			X2	---					
	PS1I	3/1/18	1050	X	Boiler Staggins - Boiler #3	X			X2	---					
	PS2A	2/28/18	1145	X	2nd Fl. West SEB Valve 11	X			X2	---					
	PS2B	2/28/18	1150	X	2nd Fl. Gen Valve #2	X			X2	---					

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	3/5/18	Fridge	Fridge	3/6/18	Paul Racca
(Printed)	Time:	(Printed)	(Printed)	Time:	(Printed)
Mark Kearney	1430			9:15	
Remarks: Report to:				Condition upon Receipt:	
Include CT DPH RCP Report				Page 8 of 13	

Reling Paul Racca
3/6/18 14:40

Am 2nd 3/6/18 1440 21,29°C


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 TRCReceived By SEDate 3/6/18Time 1440

How were the samples received?

In Cooler No Cooler On Ice No Ice Direct from Sampling Ambient Melted Ice Were samples within Temperature? 2-6°C TBy Gun # 577Actual Temp - 2.1, 2.9By Blank # Actual Temp - Was Custody Seal Intact? N/AWere Samples Tampered with? N/AWas COC Relinquished? TDoes Chain Agree With Samples? TAre there broken/leaking/loose caps on any samples? FIs COC in ink/ Legible? TWere samples received within holding time? TDid COC include all pertinent Information? Client T
Project TAnalysis TSampler Name TID's TCollection Dates/Times TAre Sample labels filled out and legible? TAre there Lab to Filters? FAre there Rushes? FAre there Short Holds? FIs there enough Volume? TIs there Headspace where applicable? N/AProper Media/Containers Used? TWere trip blanks received? FDo all samples have the proper pH? N/AWho was notified? Who was notified? Who was notified? MS/MSD? FIs splitting samples required? FOn COC? N/AAcid 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	<u>20</u>
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:

-Received in 2 coolers



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: United Illuminating Company

Project Location: English Station

Project Number: 18C0253

Laboratory Sample ID(s):

18C0253-01 thru 18C0253-20

Sample Date(s):

02/26/2018,

02/28/2018

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: Project Manager
Printed Name: Lisa A. Worthington
Date: 03/19/18
Name of Laboratory: Con-Test Analytical Laboratory

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

March 19, 2018

Chris Mocciae
United Illuminating Company
180 Marsh Hill Road
Orange, CT 06477

Project Location: English Station
Client Job Number:
Project Number: 263951
Laboratory Work Order Number: 18C0255

Enclosed are results of analyses for samples received by the laboratory on March 6, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica L. Hoffman
Project Manager

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

United Illuminating Company
180 Marsh Hill Road
Orange, CT 06477
ATTN: Chris Moccia

REPORT DATE: 3/19/2018

PURCHASE ORDER NUMBER: 4500446141

PROJECT NUMBER: 263951

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18C0255

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

PROJECT LOCATION: English Station

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
P55B	18C0255-01	Paint	2nd fl 3' breach west	SW-846 8082A	
P55C	18C0255-02	Paint	2nd fl 12" west riser	SW-846 8082A	
P56A	18C0255-03	Paint	2nd fl west	SW-846 8082A	
P57A	18C0255-04	Paint	2nd fl west	SW-846 8082A	
P57B	18C0255-05	Paint	2nd fl west	SW-846 8082A	
P58A	18C0255-06	Paint	2nd fl west motor pump	SW-846 8082A	
P58B	18C0255-07	Paint	2nd fl west motor pump	SW-846 8082A	
P59A	18C0255-08	Paint	2nd fl west mezz paint on tank	SW-846 8082A	
P59B	18C0255-09	Paint	2nd fl west mezz paint on tank	SW-846 8082A	
P59C	18C0255-10	Paint	2nd fl west mezz tank	SW-846 8082A	
P60A	18C0255-11	Paint	2nd fl blr #2; mezz beam	SW-846 8082A	
P60B	18C0255-12	Paint	2nd fl blr #5; stair rail	SW-846 8082A	
P60C	18C0255-13	Paint	2nd fl blr #12; mezz beam	SW-846 8082A	
P61A	18C0255-14	Paint	2nd fl control room; CMU int	SW-846 8082A	
P61B	18C0255-15	Paint	2nd fl control room; CMU int	SW-846 8082A	
P61C	18C0255-16	Paint	2nd fl control room; CMU int	SW-846 8082A	
P62A	18C0255-17	Paint	2nd fl control room; ceiling	SW-846 8082A	
P62B	18C0255-18	Paint	2nd fl control room; ceiling	SW-846 8082A	
P62C	18C0255-19	Paint	2nd fl control room; ceiling	SW-846 8082A	
P63A	18C0255-20	Paint	2nd fl control room; ex wall panel	SW-846 8082A	

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

CASE NARRATIVE SUMMARY

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

SW-846 8082A

Qualifications:

P-01

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

Analyte & Samples(s) Qualified:

Aroclor-1248 [2C]

18C0255-03[P56A]

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 gray rectangular background.

Lisa A. Worthington
Project Manager

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

Project Location: English Station

Sample Description: 2nd fl 3' breach west

Work Order: 18C0255

Date Received: 3/6/2018

Field Sample #: P55B

Sampled: 2/28/2018 13:40

Sample ID: 18C0255-01

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 11:06	JMB
Aroclor-1221 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 11:06	JMB
Aroclor-1232 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 11:06	JMB
Aroclor-1242 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 11:06	JMB
Aroclor-1248 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 11:06	JMB
Aroclor-1254 [2]	0.52	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 11:06	JMB
Aroclor-1260 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 11:06	JMB
Aroclor-1262 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 11:06	JMB
Aroclor-1268 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 11:06	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	74.7	30-150						3/16/18 11:06	
Decachlorobiphenyl [2]	79.9	30-150						3/16/18 11:06	
Tetrachloro-m-xylene [1]	68.8	30-150						3/16/18 11:06	
Tetrachloro-m-xylene [2]	71.6	30-150						3/16/18 11:06	

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

Project Location: English Station

Sample Description: 2nd fl 12" west riser

Work Order: 18C0255

Date Received: 3/6/2018

Field Sample #: P55C

Sampled: 2/28/2018 13:50

Sample ID: 18C0255-02

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 11:24	JMB
Aroclor-1221 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 11:24	JMB
Aroclor-1232 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 11:24	JMB
Aroclor-1242 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 11:24	JMB
Aroclor-1248 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 11:24	JMB
Aroclor-1254 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 11:24	JMB
Aroclor-1260 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 11:24	JMB
Aroclor-1262 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 11:24	JMB
Aroclor-1268 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 11:24	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	78.8	30-150						3/16/18 11:24	
Decachlorobiphenyl [2]	88.1	30-150						3/16/18 11:24	
Tetrachloro-m-xylene [1]	81.4	30-150						3/16/18 11:24	
Tetrachloro-m-xylene [2]	79.3	30-150						3/16/18 11:24	

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

Project Location: English Station

Sample Description: 2nd fl west

Work Order: 18C0255

Date Received: 3/6/2018

Field Sample #: P56A

Sampled: 2/28/2018 11:40

Sample ID: 18C0255-03

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 11:42	JMB
Aroclor-1221 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 11:42	JMB
Aroclor-1232 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 11:42	JMB
Aroclor-1242 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 11:42	JMB
Aroclor-1248 [2]	0.82	0.49	mg/Kg	1	P-01	SW-846 8082A	3/11/18	3/16/18 11:42	JMB
Aroclor-1254 [1]	1.8	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 11:42	JMB
Aroclor-1260 [1]	2.2	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 11:42	JMB
Aroclor-1262 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 11:42	JMB
Aroclor-1268 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 11:42	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	102	30-150							
Decachlorobiphenyl [2]	98.6	30-150							
Tetrachloro-m-xylene [1]	98.4	30-150							
Tetrachloro-m-xylene [2]	95.8	30-150							

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

Project Location: English Station

Sample Description: 2nd fl west

Work Order: 18C0255

Date Received: 3/6/2018

Field Sample #: P57A

Sampled: 2/28/2018 11:24

Sample ID: 18C0255-04

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/19/18 12:54	KAL
Aroclor-1221 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/19/18 12:54	KAL
Aroclor-1232 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/19/18 12:54	KAL
Aroclor-1242 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/19/18 12:54	KAL
Aroclor-1248 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/19/18 12:54	KAL
Aroclor-1254 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/19/18 12:54	KAL
Aroclor-1260 [1]	2.3	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/19/18 12:54	KAL
Aroclor-1262 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/19/18 12:54	KAL
Aroclor-1268 [2]	0.96	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/19/18 12:54	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	98.6	30-150							
Decachlorobiphenyl [2]	101	30-150							
Tetrachloro-m-xylene [1]	98.5	30-150							
Tetrachloro-m-xylene [2]	94.1	30-150							

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

Project Location: English Station

Sample Description: 2nd fl west

Work Order: 18C0255

Date Received: 3/6/2018

Field Sample #: P57B

Sampled: 2/28/2018 11:26

Sample ID: 18C0255-05

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:18	JMB
Aroclor-1221 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:18	JMB
Aroclor-1232 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:18	JMB
Aroclor-1242 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:18	JMB
Aroclor-1248 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:18	JMB
Aroclor-1254 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:18	JMB
Aroclor-1260 [1]	1.5	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:18	JMB
Aroclor-1262 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:18	JMB
Aroclor-1268 [2]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:18	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	103	30-150							
Decachlorobiphenyl [2]	103	30-150							
Tetrachloro-m-xylene [1]	101	30-150							
Tetrachloro-m-xylene [2]	97.3	30-150							

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

Project Location: English Station

Sample Description: 2nd fl west motor pump

Work Order: 18C0255

Date Received: 3/6/2018

Field Sample #: P58A

Sampled: 2/28/2018 13:55

Sample ID: 18C0255-06

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:36	JMB
Aroclor-1221 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:36	JMB
Aroclor-1232 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:36	JMB
Aroclor-1242 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:36	JMB
Aroclor-1248 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:36	JMB
Aroclor-1254 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:36	JMB
Aroclor-1260 [2]	2.2	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:36	JMB
Aroclor-1262 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:36	JMB
Aroclor-1268 [2]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:36	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	89.3	30-150							
Decachlorobiphenyl [2]	89.1	30-150							
Tetrachloro-m-xylene [1]	92.9	30-150							
Tetrachloro-m-xylene [2]	90.5	30-150							

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

Project Location: English Station

Sample Description: 2nd fl west motor pump

Work Order: 18C0255

Date Received: 3/6/2018

Field Sample #: P58B

Sampled: 2/28/2018 14:00

Sample ID: 18C0255-07

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:54	JMB
Aroclor-1221 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:54	JMB
Aroclor-1232 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:54	JMB
Aroclor-1242 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:54	JMB
Aroclor-1248 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:54	JMB
Aroclor-1254 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:54	JMB
Aroclor-1260 [2]	2.7	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:54	JMB
Aroclor-1262 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:54	JMB
Aroclor-1268 [2]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 12:54	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	91.2	30-150							
Decachlorobiphenyl [2]	90.9	30-150							
Tetrachloro-m-xylene [1]	84.2	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: English Station

Sample Description: 2nd fl west mezz paint on tank

Work Order: 18C0255

Date Received: 3/6/2018

Field Sample #: P59A

Sampled: 3/1/2018 09:15

Sample ID: 18C0255-08

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:12	JMB
Aroclor-1221 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:12	JMB
Aroclor-1232 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:12	JMB
Aroclor-1242 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:12	JMB
Aroclor-1248 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:12	JMB
Aroclor-1254 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:12	JMB
Aroclor-1260 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:12	JMB
Aroclor-1262 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:12	JMB
Aroclor-1268 [2]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:12	JMB
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	110		30-150				3/16/18 13:12		
Decachlorobiphenyl [2]	105		30-150				3/16/18 13:12		
Tetrachloro-m-xylene [1]	85.4		30-150				3/16/18 13:12		
Tetrachloro-m-xylene [2]	91.4		30-150				3/16/18 13:12		

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

Project Location: English Station

Sample Description: 2nd fl west mezz paint on tank

Work Order: 18C0255

Date Received: 3/6/2018

Field Sample #: P59B

Sampled: 3/1/2018 09:20

Sample ID: 18C0255-09

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:30	JMB
Aroclor-1221 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:30	JMB
Aroclor-1232 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:30	JMB
Aroclor-1242 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:30	JMB
Aroclor-1248 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:30	JMB
Aroclor-1254 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:30	JMB
Aroclor-1260 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:30	JMB
Aroclor-1262 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:30	JMB
Aroclor-1268 [2]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:30	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	111	30-150						3/16/18 13:30	
Decachlorobiphenyl [2]	106	30-150						3/16/18 13:30	
Tetrachloro-m-xylene [1]	101	30-150						3/16/18 13:30	
Tetrachloro-m-xylene [2]	98.1	30-150						3/16/18 13:30	

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

Project Location: English Station

Sample Description: 2nd fl west mezz tank

Work Order: 18C0255

Date Received: 3/6/2018

Field Sample #: P59C

Sampled: 3/1/2018 09:20

Sample ID: 18C0255-10

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:48	JMB
Aroclor-1221 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:48	JMB
Aroclor-1232 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:48	JMB
Aroclor-1242 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:48	JMB
Aroclor-1248 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:48	JMB
Aroclor-1254 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:48	JMB
Aroclor-1260 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:48	JMB
Aroclor-1262 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:48	JMB
Aroclor-1268 [2]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 13:48	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	90.6	30-150						3/16/18 13:48	
Decachlorobiphenyl [2]	103	30-150						3/16/18 13:48	
Tetrachloro-m-xylene [1]	80.5	30-150						3/16/18 13:48	
Tetrachloro-m-xylene [2]	87.2	30-150						3/16/18 13:48	

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

Project Location: English Station

Sample Description: 2nd fl blr #2; mezz beam

Work Order: 18C0255

Date Received: 3/6/2018

Field Sample #: P60A

Sampled: 2/28/2018 11:12

Sample ID: 18C0255-11

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:12	JMB
Aroclor-1221 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:12	JMB
Aroclor-1232 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:12	JMB
Aroclor-1242 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:12	JMB
Aroclor-1248 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:12	JMB
Aroclor-1254 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:12	JMB
Aroclor-1260 [1]	2.5	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:12	JMB
Aroclor-1262 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:12	JMB
Aroclor-1268 [2]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:12	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	116	30-150						3/16/18 15:12	
Decachlorobiphenyl [2]	112	30-150						3/16/18 15:12	
Tetrachloro-m-xylene [1]	102	30-150						3/16/18 15:12	
Tetrachloro-m-xylene [2]	98.5	30-150						3/16/18 15:12	

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

Project Location: English Station

Sample Description: 2nd fl blr #5; stair rail

Work Order: 18C0255

Date Received: 3/6/2018

Field Sample #: P60B

Sampled: 2/28/2018 11:15

Sample ID: 18C0255-12

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:30	JMB
Aroclor-1221 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:30	JMB
Aroclor-1232 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:30	JMB
Aroclor-1242 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:30	JMB
Aroclor-1248 [2]	0.87	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:30	JMB
Aroclor-1254 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:30	JMB
Aroclor-1260 [1]	2.9	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:30	JMB
Aroclor-1262 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:30	JMB
Aroclor-1268 [2]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:30	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	104	30-150							
Decachlorobiphenyl [2]	99.5	30-150							
Tetrachloro-m-xylene [1]	98.9	30-150							
Tetrachloro-m-xylene [2]	95.1	30-150							

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

Project Location: English Station

Sample Description: 2nd fl blr #12; mezz beam

Work Order: 18C0255

Date Received: 3/6/2018

Field Sample #: P60C

Sampled: 2/28/2018 11:24

Sample ID: 18C0255-13

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:48	JMB
Aroclor-1221 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:48	JMB
Aroclor-1232 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:48	JMB
Aroclor-1242 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:48	JMB
Aroclor-1248 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:48	JMB
Aroclor-1254 [1]	3.5	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:48	JMB
Aroclor-1260 [1]	6.4	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:48	JMB
Aroclor-1262 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:48	JMB
Aroclor-1268 [2]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 15:48	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	104	30-150						3/16/18 15:48	
Decachlorobiphenyl [2]	98.9	30-150						3/16/18 15:48	
Tetrachloro-m-xylene [1]	75.1	30-150						3/16/18 15:48	
Tetrachloro-m-xylene [2]	73.6	30-150						3/16/18 15:48	

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

Project Location: English Station

Sample Description: 2nd fl control room; CMU int

Work Order: 18C0255

Date Received: 3/6/2018

Field Sample #: P61A

Sampled: 2/28/2018 14:10

Sample ID: 18C0255-14

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:07	JMB
Aroclor-1221 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:07	JMB
Aroclor-1232 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:07	JMB
Aroclor-1242 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:07	JMB
Aroclor-1248 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:07	JMB
Aroclor-1254 [2]	3.7	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:07	JMB
Aroclor-1260 [2]	4.8	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:07	JMB
Aroclor-1262 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:07	JMB
Aroclor-1268 [2]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:07	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	108	30-150						3/16/18 16:07	
Decachlorobiphenyl [2]	103	30-150						3/16/18 16:07	
Tetrachloro-m-xylene [1]	101	30-150						3/16/18 16:07	
Tetrachloro-m-xylene [2]	96.7	30-150						3/16/18 16:07	

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

Project Location: English Station

Sample Description: 2nd fl control room; CMU int

Work Order: 18C0255

Date Received: 3/6/2018

Field Sample #: P61B

Sampled: 2/28/2018 14:15

Sample ID: 18C0255-15

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:25	JMB
Aroclor-1221 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:25	JMB
Aroclor-1232 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:25	JMB
Aroclor-1242 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:25	JMB
Aroclor-1248 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:25	JMB
Aroclor-1254 [1]	3.1	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:25	JMB
Aroclor-1260 [1]	5.3	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:25	JMB
Aroclor-1262 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:25	JMB
Aroclor-1268 [2]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:25	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	101	30-150						3/16/18 16:25	
Decachlorobiphenyl [2]	96.4	30-150						3/16/18 16:25	
Tetrachloro-m-xylene [1]	82.4	30-150						3/16/18 16:25	
Tetrachloro-m-xylene [2]	89.5	30-150						3/16/18 16:25	

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

Project Location: English Station

Sample Description: 2nd fl control room; CMU int

Work Order: 18C0255

Date Received: 3/6/2018

Field Sample #: P61C

Sampled: 2/28/2018 14:18

Sample ID: 18C0255-16

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:43	JMB
Aroclor-1221 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:43	JMB
Aroclor-1232 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:43	JMB
Aroclor-1242 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:43	JMB
Aroclor-1248 [1]	2.2	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:43	JMB
Aroclor-1254 [2]	4.0	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:43	JMB
Aroclor-1260 [1]	5.8	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:43	JMB
Aroclor-1262 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:43	JMB
Aroclor-1268 [2]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 16:43	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	101	30-150							
Decachlorobiphenyl [2]	97.7	30-150							
Tetrachloro-m-xylene [1]	88.8	30-150							
Tetrachloro-m-xylene [2]	96.4	30-150							

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

Project Location: English Station

Sample Description: 2nd fl control room; ceiling

Work Order: 18C0255

Date Received: 3/6/2018

Field Sample #: P62A

Sampled: 2/28/2018 14:05

Sample ID: 18C0255-17

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:01	JMB
Aroclor-1221 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:01	JMB
Aroclor-1232 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:01	JMB
Aroclor-1242 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:01	JMB
Aroclor-1248 [2]	2.8	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:01	JMB
Aroclor-1254 [1]	2.9	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:01	JMB
Aroclor-1260 [1]	4.4	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:01	JMB
Aroclor-1262 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:01	JMB
Aroclor-1268 [2]	ND	0.50	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:01	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	73.2	30-150						3/16/18 17:01	
Decachlorobiphenyl [2]	70.3	30-150						3/16/18 17:01	
Tetrachloro-m-xylene [1]	64.8	30-150						3/16/18 17:01	
Tetrachloro-m-xylene [2]	70.6	30-150						3/16/18 17:01	

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

Project Location: English Station

Sample Description: 2nd fl control room; ceiling

Work Order: 18C0255

Date Received: 3/6/2018

Field Sample #: P62B

Sampled: 2/28/2018 14:10

Sample ID: 18C0255-18

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:19	JMB
Aroclor-1221 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:19	JMB
Aroclor-1232 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:19	JMB
Aroclor-1242 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:19	JMB
Aroclor-1248 [2]	3.9	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:19	JMB
Aroclor-1254 [1]	4.3	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:19	JMB
Aroclor-1260 [1]	5.5	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:19	JMB
Aroclor-1262 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:19	JMB
Aroclor-1268 [2]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:19	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	94.6	30-150						3/16/18 17:19	
Decachlorobiphenyl [2]	90.7	30-150						3/16/18 17:19	
Tetrachloro-m-xylene [1]	81.6	30-150						3/16/18 17:19	
Tetrachloro-m-xylene [2]	86.7	30-150						3/16/18 17:19	

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

Project Location: English Station

Sample Description: 2nd fl control room; ceiling

Work Order: 18C0255

Date Received: 3/6/2018

Field Sample #: P62C

Sampled: 2/28/2018 14:08

Sample ID: 18C0255-19

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:37	JMB
Aroclor-1221 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:37	JMB
Aroclor-1232 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:37	JMB
Aroclor-1242 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:37	JMB
Aroclor-1248 [2]	3.3	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:37	JMB
Aroclor-1254 [2]	4.9	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:37	JMB
Aroclor-1260 [1]	5.5	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:37	JMB
Aroclor-1262 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:37	JMB
Aroclor-1268 [2]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:37	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	90.4	30-150						3/16/18 17:37	
Decachlorobiphenyl [2]	86.4	30-150						3/16/18 17:37	
Tetrachloro-m-xylene [1]	88.3	30-150						3/16/18 17:37	
Tetrachloro-m-xylene [2]	85.3	30-150						3/16/18 17:37	

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

Project Location: English Station

Sample Description: 2nd fl control room; ex wall panel

Work Order: 18C0255

Date Received: 3/6/2018

Field Sample #: P63A

Sampled: 2/28/2018 14:12

Sample ID: 18C0255-20

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:54	JMB
Aroclor-1221 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:54	JMB
Aroclor-1232 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:54	JMB
Aroclor-1242 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:54	JMB
Aroclor-1248 [2]	0.95	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:54	JMB
Aroclor-1254 [2]	3.9	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:54	JMB
Aroclor-1260 [1]	4.6	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:54	JMB
Aroclor-1262 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:54	JMB
Aroclor-1268 [2]	ND	0.49	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 17:54	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	102	30-150							
Decachlorobiphenyl [2]	97.5	30-150							
Tetrachloro-m-xylene [1]	92.7	30-150							
Tetrachloro-m-xylene [2]	99.9	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 [g]	Final [mL]	Date
18C0255-01 [P55B]	B198594	0.209	10.0	03/11/18
18C0255-02 [P55C]	B198594	0.203	10.0	03/11/18
18C0255-03 [P56A]	B198594	0.206	10.0	03/11/18
18C0255-04 [P57A]	B198594	0.206	10.0	03/11/18
18C0255-05 [P57B]	B198594	0.205	10.0	03/11/18
18C0255-06 [P58A]	B198594	0.204	10.0	03/11/18
18C0255-07 [P58B]	B198594	0.203	10.0	03/11/18
18C0255-08 [P59A]	B198594	0.204	10.0	03/11/18
18C0255-09 [P59B]	B198594	0.203	10.0	03/11/18
18C0255-10 [P59C]	B198594	0.206	10.0	03/11/18
18C0255-11 [P60A]	B198594	0.201	10.0	03/11/18
18C0255-12 [P60B]	B198594	0.202	10.0	03/11/18
18C0255-13 [P60C]	B198594	0.208	10.0	03/11/18
18C0255-14 [P61A]	B198594	0.202	10.0	03/11/18
18C0255-15 [P61B]	B198594	0.202	10.0	03/11/18
18C0255-16 [P61C]	B198594	0.200	10.0	03/11/18
18C0255-17 [P62A]	B198594	0.200	10.0	03/11/18
18C0255-18 [P62B]	B198594	0.208	10.0	03/11/18
18C0255-19 [P62C]	B198594	0.204	10.0	03/11/18
18C0255-20 [P63A]	B198594	0.205	10.0	03/11/18

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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 B198594 - SW-846 3540C

Blank (B198594-BLK1)

Prepared: 03/11/18 Analyzed: 03/16/18

Aroclor-1016	ND	0.50	mg/Kg							
Aroclor-1016 [2C]	ND	0.50	mg/Kg							
Aroclor-1221	ND	0.50	mg/Kg							
Aroclor-1221 [2C]	ND	0.50	mg/Kg							
Aroclor-1232	ND	0.50	mg/Kg							
Aroclor-1232 [2C]	ND	0.50	mg/Kg							
Aroclor-1242	ND	0.50	mg/Kg							
Aroclor-1242 [2C]	ND	0.50	mg/Kg							
Aroclor-1248	ND	0.50	mg/Kg							
Aroclor-1248 [2C]	ND	0.50	mg/Kg							
Aroclor-1254	ND	0.50	mg/Kg							
Aroclor-1254 [2C]	ND	0.50	mg/Kg							
Aroclor-1260	ND	0.50	mg/Kg							
Aroclor-1260 [2C]	ND	0.50	mg/Kg							
Aroclor-1262	ND	0.50	mg/Kg							
Aroclor-1262 [2C]	ND	0.50	mg/Kg							
Aroclor-1268	ND	0.50	mg/Kg							
Aroclor-1268 [2C]	ND	0.50	mg/Kg							
Surrogate: Decachlorobiphenyl	10.7		mg/Kg	10.0		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	9.98		mg/Kg	10.0		99.8	30-150			
Surrogate: Tetrachloro-m-xylene	10.1		mg/Kg	10.0		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	9.56		mg/Kg	10.0		95.6	30-150			

LCS (B198594-BS1)

Prepared: 03/11/18 Analyzed: 03/16/18

Aroclor-1016	3.0	0.50	mg/Kg	2.50		122	40-140			
Aroclor-1016 [2C]	2.9	0.50	mg/Kg	2.50		114	40-140			
Aroclor-1260	2.8	0.50	mg/Kg	2.50		112	40-140			
Aroclor-1260 [2C]	2.7	0.50	mg/Kg	2.50		109	40-140			
Surrogate: Decachlorobiphenyl	10.9		mg/Kg	10.0		109	30-150			
Surrogate: Decachlorobiphenyl [2C]	10.1		mg/Kg	10.0		101	30-150			
Surrogate: Tetrachloro-m-xylene	10.1		mg/Kg	10.0		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	9.67		mg/Kg	10.0		96.7	30-150			

LCS Dup (B198594-BSD1)

Prepared: 03/11/18 Analyzed: 03/16/18

Aroclor-1016	3.0	0.50	mg/Kg	2.50		121	40-140	0.796	30	
Aroclor-1016 [2C]	2.8	0.50	mg/Kg	2.50		113	40-140	1.03	30	
Aroclor-1260	2.8	0.50	mg/Kg	2.50		111	40-140	1.70	30	
Aroclor-1260 [2C]	2.6	0.50	mg/Kg	2.50		106	40-140	3.05	30	
Surrogate: Decachlorobiphenyl	10.7		mg/Kg	10.0		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	10.0		mg/Kg	10.0		100	30-150			
Surrogate: Tetrachloro-m-xylene	10.1		mg/Kg	10.0		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	9.61		mg/Kg	10.0		96.1	30-150			

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P56A

Lab Sample ID: 18C0255-03 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.8	
	2	0.000	0.000	0.000	1.4	25.0
Aroclor-1260	1	0.000	0.000	0.000	2.2	
	2	0.000	0.000	0.000	1.6	31.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P57A

Lab Sample ID: 18C0255-04 Date(s) Analyzed: 03/19/2018 03/19/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	2.3	
	2	0.000	0.000	0.000	2.2	4.4
Aroclor-1268	1	0.000	0.000	0.000	0.84	
	2	0.000	0.000	0.000	0.96	13.3

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***P57B**Lab Sample ID: 18C0255-05 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	1.5	
	2	0.000	0.000	0.000	1.5	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P58A

Lab Sample ID: 18C0255-06 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	2.2	
	2	0.000	0.000	0.000	2.2	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***P58B**Lab Sample ID: 18C0255-07 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	2.6	
	2	0.000	0.000	0.000	2.7	3.8

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***P60A**Lab Sample ID: 18C0255-11 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	2.5	
	2	0.000	0.000	0.000	2.4	4.1

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***P60B**Lab Sample ID: 18C0255-12 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.61	
	2	0.000	0.000	0.000	0.87	35.1
Aroclor-1260	1	0.000	0.000	0.000	2.9	
	2	0.000	0.000	0.000	2.8	3.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P60C

Lab Sample ID: 18C0255-13 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	3.5	
	2	0.000	0.000	0.000	2.8	22.2
Aroclor-1260	1	0.000	0.000	0.000	6.4	
	2	0.000	0.000	0.000	5.7	11.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P61A

Lab Sample ID: 18C0255-14 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	3.3	
	2	0.000	0.000	0.000	3.7	11.4
Aroclor-1260	1	0.000	0.000	0.000	4.7	
	2	0.000	0.000	0.000	4.8	2.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P61B

Lab Sample ID: 18C0255-15 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	3.1	
	2	0.000	0.000	0.000	3.0	3.3
Aroclor-1260	1	0.000	0.000	0.000	5.3	
	2	0.000	0.000	0.000	5.0	5.8

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P61C

Lab Sample ID: 18C0255-16 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	2.2	
	2	0.000	0.000	0.000	2.2	0.0
Aroclor-1254	1	0.000	0.000	0.000	3.4	
	2	0.000	0.000	0.000	4.0	16.2
Aroclor-1260	1	0.000	0.000	0.000	5.8	
	2	0.000	0.000	0.000	5.6	3.5

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P62A

Lab Sample ID: 18C0255-17 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	2.2	
	2	0.000	0.000	0.000	2.8	24.0
Aroclor-1254	1	0.000	0.000	0.000	2.9	
	2	0.000	0.000	0.000	2.9	0.0
Aroclor-1260	1	0.000	0.000	0.000	4.4	
	2	0.000	0.000	0.000	3.9	12.0

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P62B

Lab Sample ID: 18C0255-18 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	3.1	
	2	0.000	0.000	0.000	3.9	22.9
Aroclor-1254	1	0.000	0.000	0.000	4.3	
	2	0.000	0.000	0.000	4.3	0.0
Aroclor-1260	1	0.000	0.000	0.000	5.5	
	2	0.000	0.000	0.000	5.0	9.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P62C

Lab Sample ID: 18C0255-19 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	2.5	
	2	0.000	0.000	0.000	3.3	23.7
Aroclor-1254	1	0.000	0.000	0.000	4.0	
	2	0.000	0.000	0.000	4.9	20.2
Aroclor-1260	1	0.000	0.000	0.000	5.5	
	2	0.000	0.000	0.000	5.0	9.5

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P63A

Lab Sample ID: 18C0255-20 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.71	
	2	0.000	0.000	0.000	0.95	28.9
Aroclor-1254	1	0.000	0.000	0.000	3.2	
	2	0.000	0.000	0.000	3.9	19.7
Aroclor-1260	1	0.000	0.000	0.000	4.6	
	2	0.000	0.000	0.000	3.9	18.6

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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 is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
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.
P-01	Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.

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	03/1/2020
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	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
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



21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

CHAIN OF CUSTODY

Edition: September 2007
Supersede Previous Edition

18C0255

PROJECT NUMBER				PROJECT NAME				PARAMETERS	CONTAINERS				LAB ID #.	
263951				English Station - Boiler 1-12 Area New Haven, CT									TURNAROUND TIME	
													x	Standard TAT 7-10 Days
SIGNATURE				INSPECTOR								Rush TAT		Date Needed:
				Mark Kearney/Gregory Kaczynski										
Lab ID:	SAMPLE ID:	DATE	TIME	TYPE	COMP	GRAB	SAMPLE LOCATION	EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1= caulk/glaze X2= paint, X3=other solid)	Preservative	NOTES	
	P55A	2/28/18	1330			X	2nd fl- west 18" dia exp	X		X	X2	---		
01	P55B	2/28/18	1340			X	2nd fl- 3' breach west	X			X2	---		
02	P55C	2/28/18	1350			X	2nd fl- 12" west riser	X			X2	---		
03	P56A	2/28/18	1140			X	2nd fl- west	X			X2	---		
04	P57A	2/28/18	1124			X	2nd fl- west	X			X2	---		
05	P57B	2/28/18	1126			X	2nd fl- west	X			X2	---		
06	P58A	2/28/18	1355			X	2nd fl- west motor pump	X			X2	---		
07	P58B	2/28/18	1400			X	2nd fl- west motor pump	X			X2	---		
08	P59A	3/1/18	0915			X	2nd fl- west mezz paint on tank	X			X2	---		
09	P59B	3/1/18	0920			X	2nd fl- west mezz paint on tank	X			X2	---		
10	P59C	3/1/18	0920			X	2nd fl- west mezz tank	X			X2	---		

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	3/5/18	Fr: Lge	Fr: Lge	3/6/18	
(Printed)	Time:	(Printed)	(Printed)	Time:	(Printed)
Mark Kearney	11:30	Kea		9:15	
Remarks:			Condition upon Receipt:		
Report to:			Page 13		
Include CT DPH RCP Report					

Reling Paul Rancit
3/6/18 14:40

Paul Rancit 3/6/18 1440 21, 29



21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

CHAIN OF CUSTODY

Edition: September 2007
Supersede Previous Edition

18C0255

LAB ID #.

PROJECT NUMBER		PROJECT NAME		PARAMETERS		CONTAINERS		TURNAROUND TIME			
263951		English Station - Boiler 1-12 Area New Haven, CT						x	Standard TAT 7-10 Days		
SIGNATURE		INSPECTOR						Rush TAT	Date Needed:		
		Mark Kearney/Gregory Kaczynski									
Lab ID:	SAMPLE ID:	DATE	TIME	TYPE	SAMPLE LOCATION	EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1= caulk/glaze X2= paint, X3=other solid)	Preservative	NOTES
COMP	GRAB										
	11 P60A	2/28/18	1112	X	2ND FL-BLR #2; MEZZ BEAM	X		X	X2	---	
	12 P60B		1115	X	2ND FL-BLR #5; STAIR RAIL	X				---	
	13 P60C		1124	X	2ND FL-BLR #12; MEZZ BEAM	X				---	
	14 P61A		1410	X	2ND FL-CONTROL RM; CMV INT	X				---	
	15 P61B		1415	X	2ND FL-CONTROL ROOM; CMV INT	X				---	
	16 P61C		1418	X	2ND FL-CONTROL RM; CMV INT	X				---	
	17 P62A		1405	X	2ND FL-CONTROL RM; CEILING	X				---	
	18 P62B		1410	X	2ND FL-CONTROL RM; CEILING	X				---	
	19 P62C		1408	X	2ND FL-CONTROL RM; CEILING	X				---	
	20 P63A		1412	X	2ND FL-CONTROL RM; EXT WALL PANEL	X				---	
	P66B		1420	X	2ND FL-CONTROL RM; EXT WALL PANEL	X				---	

Relinquished by: (Signature) 	Date: 3/5/18	Received by: (Signature) Fridge	Relinquished by: (Signature) Fridge	Date: 3/6/18	Received by: (Signature) Paul Racicot
(Printed) Mark Kearney	Time: 1430	(Printed)	(Printed) 10	Time: 9:15	(Printed)
Remarks: Report to: Include CT DPH RCP Report				Condition upon Receipt: Page 11 of 13	

Reling Paul Racicot
3/6/18 14:40

Am 2st 3/6/18 1440 21,29


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 TRC
 Received By SE Date 3/6/18 Time 1440

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

 Were samples within Temperature? 2-6°C T By Gun # 577 Actual Temp - 2.1, 2.9
 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? F Who was notified? _____

 Are there Rushes? F Who was notified? _____

 Are there Short Holds? F Who was notified? _____

 Is there enough Volume? T

 Is there Headspace where applicable? N/A MS/MSD? F

 Proper Media/Containers Used? T Is splitting samples required? F

 Were trip blanks received? F 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	<u>80</u>
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:

-Received in 2 coolers



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: United Illuminating Company

Project Location: English Station

Project Number: 18C0255

Laboratory Sample ID(s):

18C0255-01 thru 18C0255-20

Sample Date(s):

 02/28/2018,
03/01/2018

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: Project Manager
Printed Name: Lisa A. Worthington
Date: 03/19/18
Name of Laboratory: Con-Test Analytical Laboratory

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

March 22, 2018

Chris Mocciae
United Illuminating Company
180 Marsh Hill Road
Orange, CT 06477

Project Location: English Station
Client Job Number:
Project Number: 263951
Laboratory Work Order Number: 18C0254

Enclosed are results of analyses for samples received by the laboratory on March 6, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica L. Hoffman
Project Manager

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

United Illuminating Company
180 Marsh Hill Road
Orange, CT 06477
ATTN: Chris Moccia

REPORT DATE: 3/22/2018

PURCHASE ORDER NUMBER: 4500446141

PROJECT NUMBER: 263951

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18C0254

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

PROJECT LOCATION: English Station

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
P51D	18C0254-01	Paint	2nd fl boiler 11	SW-846 8082A	
P51E	18C0254-02	Paint	2nd fl boiler 7	SW-846 8082A	
P51F	18C0254-03	Paint	north boiler mezzanine	SW-846 8082A	
P51G	18C0254-04	Paint	boiler #4 mezzanine	SW-846 8082A	
P51H	18C0254-05	Paint	boiler rm staging- east wall	SW-846 8082A	
P51I	18C0254-06	Paint	boiler staging- boiler #3	SW-846 8082A	
P52A	18C0254-07	Paint	2nd fl west SEG valve 11	SW-846 8082A	
P52B	18C0254-08	Paint	2nd fl Gen valve #2	SW-846 8082A	
P52C	18C0254-09	Paint	2nd fl SEG valve #9	SW-846 8082A	
P53A	18C0254-10	Paint	2nd fl boiler #2	SW-846 8082A	
P53B	18C0254-11	Paint	2nd fl mezzanine beam	SW-846 8082A	
P53C	18C0254-12	Paint	2nd fl mezzanine support stairs	SW-846 8082A	
P53D	18C0254-13	Paint	2nd fl mezzanine support	SW-846 8082A	
P53E	18C0254-14	Paint	upper BR mezz. steel beam	SW-846 8082A	
P53F	18C0254-15	Paint	staircase to banker steel beam	SW-846 8082A	
P54A	18C0254-16	Paint	2nd fl North wall (NW)	SW-846 8082A	
P54B	18C0254-17	Paint	2nd fl West wall (NW)	SW-846 8082A	
P54C	18C0254-18	Paint	2nd fl South wall (SW)	SW-846 8082A	
P54D	18C0254-19	Paint	2nd fl East wall	SW-846 8082A	
P55A	18C0254-20	Paint	2nd fl West 18" dia. exp	SW-846 8082A	

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

CASE NARRATIVE SUMMARY

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

SW-846 8082A

Qualifications:

P-01

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

Analyte & Samples(s) Qualified:

Aroclor-1254 [2C]

18C0254-07[P52A]

Aroclor-1260

18C0254-07[P52A]

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 gray rectangular background.

Lisa A. Worthington
Project Manager

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

Project Location: English Station

Sample Description: 2nd fl boiler 11

Work Order: 18C0254

Date Received: 3/6/2018

Field Sample #: P51D

Sampled: 2/28/2018 10:12

Sample ID: 18C0254-01

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 17:14	KAL
Aroclor-1221 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 17:14	KAL
Aroclor-1232 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 17:14	KAL
Aroclor-1242 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 17:14	KAL
Aroclor-1248 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 17:14	KAL
Aroclor-1254 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 17:14	KAL
Aroclor-1260 [2]	1.0	0.43	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 17:14	KAL
Aroclor-1262 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 17:14	KAL
Aroclor-1268 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 17:14	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	90.0	30-150							
Decachlorobiphenyl [2]	90.4	30-150							
Tetrachloro-m-xylene [1]	88.7	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: English Station

Sample Description: 2nd fl boiler 7

Work Order: 18C0254

Date Received: 3/6/2018

Field Sample #: P51E

Sampled: 3/1/2018 09:05

Sample ID: 18C0254-02

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 17:31	KAL
Aroclor-1221 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 17:31	KAL
Aroclor-1232 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 17:31	KAL
Aroclor-1242 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 17:31	KAL
Aroclor-1248 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 17:31	KAL
Aroclor-1254 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 17:31	KAL
Aroclor-1260 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 17:31	KAL
Aroclor-1262 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 17:31	KAL
Aroclor-1268 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 17:31	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	76.4	30-150						3/14/18 17:31	
Decachlorobiphenyl [2]	76.7	30-150						3/14/18 17:31	
Tetrachloro-m-xylene [1]	69.9	30-150						3/14/18 17:31	
Tetrachloro-m-xylene [2]	72.1	30-150						3/14/18 17:31	

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

Project Location: English Station

Sample Description: north boiler mezzaine

Work Order: 18C0254

Date Received: 3/6/2018

Field Sample #: P51F

Sampled: 3/1/2018 10:30

Sample ID: 18C0254-03

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 17:49	KAL
Aroclor-1221 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 17:49	KAL
Aroclor-1232 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 17:49	KAL
Aroclor-1242 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 17:49	KAL
Aroclor-1248 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 17:49	KAL
Aroclor-1254 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 17:49	KAL
Aroclor-1260 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 17:49	KAL
Aroclor-1262 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 17:49	KAL
Aroclor-1268 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 17:49	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	76.1	30-150							
Decachlorobiphenyl [2]	76.3	30-150							
Tetrachloro-m-xylene [1]	67.4	30-150							
Tetrachloro-m-xylene [2]	68.6	30-150							

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

Project Location: English Station

Sample Description: boiler #4 mezzanine

Work Order: 18C0254

Date Received: 3/6/2018

Field Sample #: P51G

Sampled: 3/1/2018 10:35

Sample ID: 18C0254-04

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 18:07	KAL
Aroclor-1221 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 18:07	KAL
Aroclor-1232 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 18:07	KAL
Aroclor-1242 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 18:07	KAL
Aroclor-1248 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 18:07	KAL
Aroclor-1254 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 18:07	KAL
Aroclor-1260 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 18:07	KAL
Aroclor-1262 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 18:07	KAL
Aroclor-1268 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 18:07	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	90.5	30-150							
Decachlorobiphenyl [2]	91.1	30-150							
Tetrachloro-m-xylene [1]	86.9	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: English Station

Sample Description: boiler rm staging- east wall

Work Order: 18C0254

Date Received: 3/6/2018

Field Sample #: P51H

Sampled: 3/1/2018 10:45

Sample ID: 18C0254-05

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 18:25	KAL
Aroclor-1221 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 18:25	KAL
Aroclor-1232 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 18:25	KAL
Aroclor-1242 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 18:25	KAL
Aroclor-1248 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 18:25	KAL
Aroclor-1254 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 18:25	KAL
Aroclor-1260 [1]	0.59	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 18:25	KAL
Aroclor-1262 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 18:25	KAL
Aroclor-1268 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 18:25	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	88.7	30-150						3/14/18 18:25	
Decachlorobiphenyl [2]	88.9	30-150						3/14/18 18:25	
Tetrachloro-m-xylene [1]	86.9	30-150						3/14/18 18:25	
Tetrachloro-m-xylene [2]	89.2	30-150						3/14/18 18:25	

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

Project Location: English Station

Sample Description: boiler staging- boiler #3

Work Order: 18C0254

Date Received: 3/6/2018

Field Sample #: P511

Sampled: 3/1/2018 10:50

Sample ID: 18C0254-06

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 18:42	KAL
Aroclor-1221 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 18:42	KAL
Aroclor-1232 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 18:42	KAL
Aroclor-1242 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 18:42	KAL
Aroclor-1248 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 18:42	KAL
Aroclor-1254 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 18:42	KAL
Aroclor-1260 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 18:42	KAL
Aroclor-1262 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 18:42	KAL
Aroclor-1268 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 18:42	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	84.3	30-150							
Decachlorobiphenyl [2]	82.8	30-150							
Tetrachloro-m-xylene [1]	78.8	30-150							
Tetrachloro-m-xylene [2]	81.9	30-150							

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

Project Location: English Station

Sample Description: 2nd fl west SEG valve 11

Work Order: 18C0254

Date Received: 3/6/2018

Field Sample #: P52A

Sampled: 2/28/2018 11:45

Sample ID: 18C0254-07

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 19:00	KAL
Aroclor-1221 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 19:00	KAL
Aroclor-1232 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 19:00	KAL
Aroclor-1242 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 19:00	KAL
Aroclor-1248 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 19:00	KAL
Aroclor-1254 [2]	2.8	0.47	mg/Kg	1	P-01	SW-846 8082A	3/9/18	3/14/18 19:00	KAL
Aroclor-1260 [1]	1.3	0.47	mg/Kg	1	P-01	SW-846 8082A	3/9/18	3/14/18 19:00	KAL
Aroclor-1262 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 19:00	KAL
Aroclor-1268 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 19:00	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	88.7	30-150							
Decachlorobiphenyl [2]	95.8	30-150							
Tetrachloro-m-xylene [1]	86.7	30-150							
Tetrachloro-m-xylene [2]	87.7	30-150							

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

Project Location: English Station

Sample Description: 2nd fl Gen valve #2

Work Order: 18C0254

Date Received: 3/6/2018

Field Sample #: P52B

Sampled: 2/28/2018 11:50

Sample ID: 18C0254-08

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 19:18	KAL
Aroclor-1221 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 19:18	KAL
Aroclor-1232 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 19:18	KAL
Aroclor-1242 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 19:18	KAL
Aroclor-1248 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 19:18	KAL
Aroclor-1254 [2]	4.3	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 19:18	KAL
Aroclor-1260 [1]	3.9	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 19:18	KAL
Aroclor-1262 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 19:18	KAL
Aroclor-1268 [2]	1.1	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 19:18	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	82.9	30-150							
Decachlorobiphenyl [2]	94.8	30-150							
Tetrachloro-m-xylene [1]	84.3	30-150							
Tetrachloro-m-xylene [2]	81.8	30-150							

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

Project Location: English Station

Sample Description: 2nd fl SEG valve #9

Work Order: 18C0254

Date Received: 3/6/2018

Field Sample #: P52C

Sampled: 2/28/2018 11:55

Sample ID: 18C0254-09

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 20:24	KAL
Aroclor-1221 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 20:24	KAL
Aroclor-1232 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 20:24	KAL
Aroclor-1242 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 20:24	KAL
Aroclor-1248 [2]	0.91	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 20:24	KAL
Aroclor-1254 [2]	4.4	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 20:24	KAL
Aroclor-1260 [1]	4.0	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 20:24	KAL
Aroclor-1262 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 20:24	KAL
Aroclor-1268 [2]	1.3	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 20:24	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	83.6	30-150							
Decachlorobiphenyl [2]	83.4	30-150							
Tetrachloro-m-xylene [1]	85.6	30-150							
Tetrachloro-m-xylene [2]	83.5	30-150							

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

Project Location: English Station

Sample Description: 2nd fl boiler #2

Work Order: 18C0254

Date Received: 3/6/2018

Field Sample #: P53A

Sampled: 2/28/2018 10:50

Sample ID: 18C0254-10

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 20:41	KAL
Aroclor-1221 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 20:41	KAL
Aroclor-1232 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 20:41	KAL
Aroclor-1242 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 20:41	KAL
Aroclor-1248 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 20:41	KAL
Aroclor-1254 [2]	3.6	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 20:41	KAL
Aroclor-1260 [1]	0.76	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 20:41	KAL
Aroclor-1262 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 20:41	KAL
Aroclor-1268 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 20:41	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	85.9	30-150							
Decachlorobiphenyl [2]	84.5	30-150							
Tetrachloro-m-xylene [1]	82.4	30-150							
Tetrachloro-m-xylene [2]	82.5	30-150							

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

Project Location: English Station

Sample Description: 2nd fl mezzanine beam

Work Order: 18C0254

Date Received: 3/6/2018

Field Sample #: P53B

Sampled: 2/28/2018 10:54

Sample ID: 18C0254-11

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 20:59	KAL
Aroclor-1221 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 20:59	KAL
Aroclor-1232 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 20:59	KAL
Aroclor-1242 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 20:59	KAL
Aroclor-1248 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 20:59	KAL
Aroclor-1254 [1]	1.2	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 20:59	KAL
Aroclor-1260 [1]	1.8	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 20:59	KAL
Aroclor-1262 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 20:59	KAL
Aroclor-1268 [2]	0.73	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 20:59	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	77.3	30-150							
Decachlorobiphenyl [2]	76.0	30-150							
Tetrachloro-m-xylene [1]	81.1	30-150							
Tetrachloro-m-xylene [2]	78.7	30-150							

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

Project Location: English Station

Sample Description: 2nd fl mezzanine support stairs

Work Order: 18C0254

Date Received: 3/6/2018

Field Sample #: P53C

Sampled: 2/28/2018 10:58

Sample ID: 18C0254-12

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 21:17	KAL
Aroclor-1221 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 21:17	KAL
Aroclor-1232 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 21:17	KAL
Aroclor-1242 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 21:17	KAL
Aroclor-1248 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 21:17	KAL
Aroclor-1254 [1]	0.81	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 21:17	KAL
Aroclor-1260 [1]	1.2	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 21:17	KAL
Aroclor-1262 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 21:17	KAL
Aroclor-1268 [2]	0.50	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 21:17	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	85.9	30-150							
Decachlorobiphenyl [2]	83.8	30-150							
Tetrachloro-m-xylene [1]	81.1	30-150							
Tetrachloro-m-xylene [2]	81.1	30-150							

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

Project Location: English Station

Sample Description: 2nd fl mezzanine support

Work Order: 18C0254

Date Received: 3/6/2018

Field Sample #: P53D

Sampled: 2/28/2018 11:00

Sample ID: 18C0254-13

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 21:35	KAL
Aroclor-1221 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 21:35	KAL
Aroclor-1232 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 21:35	KAL
Aroclor-1242 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 21:35	KAL
Aroclor-1248 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 21:35	KAL
Aroclor-1254 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 21:35	KAL
Aroclor-1260 [1]	0.87	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 21:35	KAL
Aroclor-1262 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 21:35	KAL
Aroclor-1268 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 21:35	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	51.8	30-150							
Decachlorobiphenyl [2]	50.4	30-150							
Tetrachloro-m-xylene [1]	54.2	30-150							
Tetrachloro-m-xylene [2]	54.0	30-150							

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

Project Location: English Station

Sample Description: upper BR mezz. steel beam

Work Order: 18C0254

Date Received: 3/6/2018

Field Sample #: P53E

Sampled: 3/1/2018 10:00

Sample ID: 18C0254-14

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 21:52	KAL
Aroclor-1221 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 21:52	KAL
Aroclor-1232 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 21:52	KAL
Aroclor-1242 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 21:52	KAL
Aroclor-1248 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 21:52	KAL
Aroclor-1254 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 21:52	KAL
Aroclor-1260 [1]	0.88	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 21:52	KAL
Aroclor-1262 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 21:52	KAL
Aroclor-1268 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 21:52	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	55.7	30-150							
Decachlorobiphenyl [2]	54.0	30-150							
Tetrachloro-m-xylene [1]	62.3	30-150							
Tetrachloro-m-xylene [2]	61.0	30-150							

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

Project Location: English Station

Sample Description: staircase to banker steel beam

Work Order: 18C0254

Date Received: 3/6/2018

Field Sample #: P53F

Sampled: 3/1/2018 09:50

Sample ID: 18C0254-15

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 22:10	KAL
Aroclor-1221 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 22:10	KAL
Aroclor-1232 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 22:10	KAL
Aroclor-1242 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 22:10	KAL
Aroclor-1248 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 22:10	KAL
Aroclor-1254 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 22:10	KAL
Aroclor-1260 [1]	0.60	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 22:10	KAL
Aroclor-1262 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 22:10	KAL
Aroclor-1268 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 22:10	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	68.2	30-150							
Decachlorobiphenyl [2]	69.3	30-150							
Tetrachloro-m-xylene [1]	67.0	30-150							
Tetrachloro-m-xylene [2]	63.7	30-150							

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

Project Location: English Station

Sample Description: 2nd fl North wall (NW)

Work Order: 18C0254

Date Received: 3/6/2018

Field Sample #: P54A

Sampled: 2/28/2018 10:02

Sample ID: 18C0254-16

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 22:28	KAL
Aroclor-1221 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 22:28	KAL
Aroclor-1232 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 22:28	KAL
Aroclor-1242 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 22:28	KAL
Aroclor-1248 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 22:28	KAL
Aroclor-1254 [1]	1.6	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 22:28	KAL
Aroclor-1260 [1]	2.9	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 22:28	KAL
Aroclor-1262 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 22:28	KAL
Aroclor-1268 [2]	1.6	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 22:28	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	71.2	30-150							
Decachlorobiphenyl [2]	69.0	30-150							
Tetrachloro-m-xylene [1]	73.2	30-150							
Tetrachloro-m-xylene [2]	72.5	30-150							

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

Project Location: English Station

Sample Description: 2nd fl West wall (NW)

Work Order: 18C0254

Date Received: 3/6/2018

Field Sample #: P54B

Sampled: 2/28/2018 10:40

Sample ID: 18C0254-17

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 22:45	KAL
Aroclor-1221 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 22:45	KAL
Aroclor-1232 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 22:45	KAL
Aroclor-1242 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 22:45	KAL
Aroclor-1248 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 22:45	KAL
Aroclor-1254 [1]	1.7	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 22:45	KAL
Aroclor-1260 [1]	2.6	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 22:45	KAL
Aroclor-1262 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 22:45	KAL
Aroclor-1268 [2]	1.3	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 22:45	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	78.1	30-150						3/14/18 22:45	
Decachlorobiphenyl [2]	75.8	30-150						3/14/18 22:45	
Tetrachloro-m-xylene [1]	78.6	30-150						3/14/18 22:45	
Tetrachloro-m-xylene [2]	77.1	30-150						3/14/18 22:45	

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

Project Location: English Station

Sample Description: 2nd fl South wall (SW)

Work Order: 18C0254

Date Received: 3/6/2018

Field Sample #: P54C

Sampled: 2/28/2018 10:45

Sample ID: 18C0254-18

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 23:03	KAL
Aroclor-1221 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 23:03	KAL
Aroclor-1232 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 23:03	KAL
Aroclor-1242 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 23:03	KAL
Aroclor-1248 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 23:03	KAL
Aroclor-1254 [2]	2.4	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 23:03	KAL
Aroclor-1260 [1]	4.0	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 23:03	KAL
Aroclor-1262 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 23:03	KAL
Aroclor-1268 [1]	0.78	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 23:03	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	82.3	30-150							
Decachlorobiphenyl [2]	80.4	30-150							
Tetrachloro-m-xylene [1]	77.5	30-150							
Tetrachloro-m-xylene [2]	78.3	30-150							

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

Project Location: English Station

Sample Description: 2nd fl East wall

Work Order: 18C0254

Date Received: 3/6/2018

Field Sample #: P54D

Sampled: 2/28/2018 10:45

Sample ID: 18C0254-19

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 23:21	KAL
Aroclor-1221 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 23:21	KAL
Aroclor-1232 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 23:21	KAL
Aroclor-1242 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 23:21	KAL
Aroclor-1248 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 23:21	KAL
Aroclor-1254 [1]	1.0	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 23:21	KAL
Aroclor-1260 [1]	1.8	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 23:21	KAL
Aroclor-1262 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 23:21	KAL
Aroclor-1268 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 23:21	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	83.9	30-150							
Decachlorobiphenyl [2]	81.4	30-150							
Tetrachloro-m-xylene [1]	83.3	30-150							
Tetrachloro-m-xylene [2]	80.2	30-150							

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

Project Location: English Station

Sample Description: 2nd fl West 18" dia. exp

Work Order: 18C0254

Date Received: 3/6/2018

Field Sample #: P55A

Sampled: 2/28/2018 13:30

Sample ID: 18C0254-20

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 23:39	KAL
Aroclor-1221 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 23:39	KAL
Aroclor-1232 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 23:39	KAL
Aroclor-1242 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 23:39	KAL
Aroclor-1248 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 23:39	KAL
Aroclor-1254 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 23:39	KAL
Aroclor-1260 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 23:39	KAL
Aroclor-1262 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 23:39	KAL
Aroclor-1268 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/14/18 23:39	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	83.5	30-150							
Decachlorobiphenyl [2]	81.4	30-150							
Tetrachloro-m-xylene [1]	82.8	30-150							
Tetrachloro-m-xylene [2]	81.7	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 [g]	Final [mL]	Date
18C0254-01 [P51D]	B198535	0.234	10.0	03/09/18
18C0254-02 [P51E]	B198535	0.226	10.0	03/09/18
18C0254-03 [P51F]	B198535	0.233	10.0	03/09/18
18C0254-04 [P51G]	B198535	0.236	10.0	03/09/18
18C0254-05 [P51H]	B198535	0.203	10.0	03/09/18
18C0254-06 [P51I]	B198535	0.229	10.0	03/09/18
18C0254-07 [P52A]	B198535	0.211	10.0	03/09/18
18C0254-08 [P52B]	B198535	0.200	10.0	03/09/18
18C0254-09 [P52C]	B198535	0.206	10.0	03/09/18
18C0254-10 [P53A]	B198535	0.218	10.0	03/09/18
18C0254-11 [P53B]	B198535	0.201	10.0	03/09/18
18C0254-12 [P53C]	B198535	0.202	10.0	03/09/18
18C0254-13 [P53D]	B198535	0.207	10.0	03/09/18
18C0254-14 [P53E]	B198535	0.211	10.0	03/09/18
18C0254-15 [P53F]	B198535	0.210	10.0	03/09/18
18C0254-16 [P54A]	B198535	0.202	10.0	03/09/18
18C0254-17 [P54B]	B198535	0.203	10.0	03/09/18
18C0254-18 [P54C]	B198535	0.204	10.0	03/09/18
18C0254-19 [P54D]	B198535	0.200	10.0	03/09/18
18C0254-20 [P55A]	B198535	0.211	10.0	03/09/18

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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 B198535 - SW-846 3540C
Blank (B198535-BLK1)

Prepared: 03/09/18 Analyzed: 03/14/18

Aroclor-1016	ND	0.49	mg/Kg							
Aroclor-1016 [2C]	ND	0.49	mg/Kg							
Aroclor-1221	ND	0.49	mg/Kg							
Aroclor-1221 [2C]	ND	0.49	mg/Kg							
Aroclor-1232	ND	0.49	mg/Kg							
Aroclor-1232 [2C]	ND	0.49	mg/Kg							
Aroclor-1242	ND	0.49	mg/Kg							
Aroclor-1242 [2C]	ND	0.49	mg/Kg							
Aroclor-1248	ND	0.49	mg/Kg							
Aroclor-1248 [2C]	ND	0.49	mg/Kg							
Aroclor-1254	ND	0.49	mg/Kg							
Aroclor-1254 [2C]	ND	0.49	mg/Kg							
Aroclor-1260	ND	0.49	mg/Kg							
Aroclor-1260 [2C]	ND	0.49	mg/Kg							
Aroclor-1262	ND	0.49	mg/Kg							
Aroclor-1262 [2C]	ND	0.49	mg/Kg							
Aroclor-1268	ND	0.49	mg/Kg							
Aroclor-1268 [2C]	ND	0.49	mg/Kg							
Surrogate: Decachlorobiphenyl	7.76		mg/Kg	9.79		79.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	7.80		mg/Kg	9.79		79.7	30-150			
Surrogate: Tetrachloro-m-xylene	8.33		mg/Kg	9.79		85.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	8.42		mg/Kg	9.79		86.0	30-150			

LCS (B198535-BS1)

Prepared: 03/09/18 Analyzed: 03/14/18

Aroclor-1016	2.4	0.48	mg/Kg	2.42		98.9	40-140			
Aroclor-1016 [2C]	2.4	0.48	mg/Kg	2.42		97.8	40-140			
Aroclor-1260	2.0	0.48	mg/Kg	2.42		83.4	40-140			
Aroclor-1260 [2C]	2.1	0.48	mg/Kg	2.42		86.4	40-140			
Surrogate: Decachlorobiphenyl	8.10		mg/Kg	9.69		83.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	8.18		mg/Kg	9.69		84.5	30-150			
Surrogate: Tetrachloro-m-xylene	8.31		mg/Kg	9.69		85.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	8.35		mg/Kg	9.69		86.2	30-150			

LCS Dup (B198535-BSD1)

Prepared: 03/09/18 Analyzed: 03/14/18

Aroclor-1016	2.5	0.49	mg/Kg	2.47		103	40-140	5.91	30	
Aroclor-1016 [2C]	2.5	0.49	mg/Kg	2.47		101	40-140	4.77	30	
Aroclor-1260	2.0	0.49	mg/Kg	2.47		79.5	40-140	2.75	30	
Aroclor-1260 [2C]	2.0	0.49	mg/Kg	2.47		82.0	40-140	3.31	30	
Surrogate: Decachlorobiphenyl	8.09		mg/Kg	9.88		81.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	8.01		mg/Kg	9.88		81.1	30-150			
Surrogate: Tetrachloro-m-xylene	8.46		mg/Kg	9.88		85.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	8.52		mg/Kg	9.88		86.2	30-150			

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***P51D**Lab Sample ID: 18C0254-01 Date(s) Analyzed: 03/14/2018 03/14/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.97	
	2	0.000	0.000	0.000	1.0	3.1

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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***P51H**Lab Sample ID: 18C0254-05 Date(s) Analyzed: 03/14/2018 03/14/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.59	
	2	0.000	0.000	0.000	0.52	12.6

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P52A

Lab Sample ID: 18C0254-07 Date(s) Analyzed: 03/14/2018 03/14/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.8	
	2	0.000	0.000	0.000	2.8	43.5
Aroclor-1260	1	0.000	0.000	0.000	1.3	
	2	0.000	0.000	0.000	0.84	43.0

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P52B

Lab Sample ID: 18C0254-08 Date(s) Analyzed: 03/14/2018 03/14/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	3.5	
	2	0.000	0.000	0.000	4.3	20.5
Aroclor-1260	1	0.000	0.000	0.000	3.9	
	2	0.000	0.000	0.000	2.7	36.4
Aroclor-1268	1	0.000	0.000	0.000	1.0	
	2	0.000	0.000	0.000	1.1	9.5

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P52C

Lab Sample ID: 18C0254-09 Date(s) Analyzed: 03/14/2018 03/14/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.89	
	2	0.000	0.000	0.000	0.91	2.2
Aroclor-1254	1	0.000	0.000	0.000	4.2	
	2	0.000	0.000	0.000	4.4	4.7
Aroclor-1260	1	0.000	0.000	0.000	4.0	
	2	0.000	0.000	0.000	3.1	25.4
Aroclor-1268	1	0.000	0.000	0.000	1.2	
	2	0.000	0.000	0.000	1.3	8.0

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P53A

Lab Sample ID: 18C0254-10 Date(s) Analyzed: 03/14/2018 03/14/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	3.5	
	2	0.000	0.000	0.000	3.6	2.8
Aroclor-1260	1	0.000	0.000	0.000	0.76	
	2	0.000	0.000	0.000	0.73	4.0

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P53B

Lab Sample ID: 18C0254-11 Date(s) Analyzed: 03/14/2018 03/14/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.2	
	2	0.000	0.000	0.000	1.0	18.2
Aroclor-1260	1	0.000	0.000	0.000	1.8	
	2	0.000	0.000	0.000	1.6	11.8
Aroclor-1268	1	0.000	0.000	0.000	0.68	
	2	0.000	0.000	0.000	0.73	7.1

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

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***P53C**Lab Sample ID: 18C0254-12 Date(s) Analyzed: 03/14/2018 03/14/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.81	
	2	0.000	0.000	0.000	0.79	2.5
Aroclor-1260	1	0.000	0.000	0.000	1.2	
	2	0.000	0.000	0.000	1.2	0.0

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

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***P53D**Lab Sample ID: 18C0254-13 Date(s) Analyzed: 03/14/2018 03/14/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.87	
	2	0.000	0.000	0.000	0.77	12.2

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

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***P53E**Lab Sample ID: 18C0254-14 Date(s) Analyzed: 03/14/2018 03/14/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.88	
	2	0.000	0.000	0.000	0.65	31.2

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P53F

Lab Sample ID: 18C0254-15 Date(s) Analyzed: 03/14/2018 03/14/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.60	
	2	0.000	0.000	0.000	0.58	5.0

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P54A

Lab Sample ID: 18C0254-16 Date(s) Analyzed: 03/14/2018 03/14/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.6	
	2	0.000	0.000	0.000	1.5	6.5
Aroclor-1260	1	0.000	0.000	0.000	2.9	
	2	0.000	0.000	0.000	2.3	23.1
Aroclor-1268	1	0.000	0.000	0.000	1.6	
	2	0.000	0.000	0.000	1.6	0.0

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P54B

Lab Sample ID: 18C0254-17 Date(s) Analyzed: 03/14/2018 03/14/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.7	
	2	0.000	0.000	0.000	1.7	0.0
Aroclor-1260	1	0.000	0.000	0.000	2.6	
	2	0.000	0.000	0.000	2.1	21.3
Aroclor-1268	1	0.000	0.000	0.000	1.3	
	2	0.000	0.000	0.000	1.3	0.0

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P54C

Lab Sample ID: 18C0254-18 Date(s) Analyzed: 03/14/2018 03/14/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	2.3	
	2	0.000	0.000	0.000	2.4	4.3
Aroclor-1260	1	0.000	0.000	0.000	4.0	
	2	0.000	0.000	0.000	3.1	25.4
Aroclor-1268	1	0.000	0.000	0.000	0.78	
	2	0.000	0.000	0.000	0.75	3.9

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P54D

Lab Sample ID: 18C0254-19 Date(s) Analyzed: 03/14/2018 03/14/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.0	
	2	0.000	0.000	0.000	0.97	3.1
Aroclor-1260	1	0.000	0.000	0.000	1.8	
	2	0.000	0.000	0.000	1.4	25.0

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 is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
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.
P-01	Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
---------	----------------

No certified Analyses included in this Report

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
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	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
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



21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

CHAIN OF CUSTODY

18C0254

Edition: September 2007
Supersede Previous Edition

PROJECT NUMBER		PROJECT NAME		PARAMETERS		CONTAINERS		LAB ID #.			
263951		English Station - Boiler 1-12 Area New Haven, CT									
SIGNATURE		INSPECTOR						TURNAROUND TIME			
		Mark Kearney/Gregory Kaczynski									
Lab ID:	SAMPLE ID:	DATE	TIME	TYPE		EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1= caulk/glaze X2= paint, X3=other solid)	Preservative	NOTES
				COMP	GRAB						
	FTM2A	2/28/18	1444		X	2 nd Fl. Rest Rm.	X	X	X3	---	FTM2A
	FTM2B	2/28/18	1500		X	2 nd Fl. Rest Rm.	X		X3	---	FTM2B
	FTM2C	2/28/18	1505		X	2 nd Fl. Rest Rm.	X		X3	---	FTM2C
01	PS1D	2/28/18	1012		X	2 nd Fl. Boiler 11	X		X2	---	
02	PS1E	3/1/18	0905		X	2 nd Fl. Boiler 7	X		X2	---	
03	PS1F	3/1/18	1030		X	North Boiler Mezzanine	X		X2	---	Boiler Brick N#1
04	PS1G	3/1/18	1035		X	Boiler #4 Mezzanine	X		X2	---	
05	PS1H	3/1/18	1045		X	Boiler Rm Staging - Eastwall	X		X2	---	
06	PS1I	3/1/18	1050		X	Boiler Staging - Boiler #3	X		X2	---	
07	PS2A	2/28/18	1145		X	2 nd Fl. West SE6 Valve 11	X		X2	---	
08	PS2B	2/28/18	1150		X	2 nd Fl. Gen Valve #2	X		X2	---	

Relinquished by: (Signature) 	Date: 3/5/18	Received by: (Signature) Fridge	Relinquished by: (Signature) Fridge	Date: 3/6/18	Received by: (Signature) Paul Racca
(Printed) Mark Kearney	Time: 1430	(Printed)	(Printed)	Time: 9:15	(Printed)
Remarks: Report to: Include CT DPH RCP Report			Condition upon Receipt: Page 8 of 13		

Reling Paul Racca
3/6/18 14:40

Paul Racca 3/6/18 1440 21,29



21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

Edition: September 2007
Supersede Previous Edition

CHAIN OF CUSTODY

18C0234

LAB ID #.

PROJECT NUMBER		PROJECT NAME		PARAMETERS		CONTAINERS		TURNAROUND TIME			
263951		English Station - Boiler 1-12 Area New Haven, CT						x Standard TAT 7-10 Days Rush TAT Date Needed:			
SIGNATURE		INSPECTOR									
		Mark Kearney/Gregory Kaczynski									
Lab ID	SAMPLE ID	DATE	TIME	TYPE		EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1= caulk/glaze X2= paint, X3=other solid)	Preservative	NOTES
				COMP	GRAB						
09	P52C	2/28/18	1155		X	2nd Fl - Sec valve #9	X	X	X2	---	
10	P53A	2/28/18	1050		X	2nd Fl - Boiler #2	X		X2	---	
11	P53B	2/28/18	1054		X	2nd Fl - mezzanine beam	X		X2	---	
12	P53C	2/28/18	1058		X	2nd Fl - mezzanine support studs	X		X2	---	
13	P53D	2/28/18	1100		X	2nd Fl - mezzanine support	X		X2	---	
14	P53E	3/1/18	1000		X	Upper Bldg mezz-steel beam	X		X2	---	
15	P53F	3/1/18	0950		X	Staircase to boiler-steel beam	X		X2	---	
16	P54A	2/28/18	1002		X	2nd Fl - North wall (NW)	X		X2	---	
17	P54B	2/28/18	1040		X	2nd Fl - West wall (W)	X		X2	---	
18	P54C	2/28/18	1045		X	2nd Fl - South wall (SW)	X		X2	---	
19	P54D	2/28/18	1045		X	2nd Fl - East wall	X		X2	---	

Relinquished by: (Signature) 	Date: 3/5/18	Received by: (Signature) Fridge	Relinquished by: (Signature) Fridge	Date: 3/6/18	Received by: (Signature)
(Printed) Mark Kearney	Time: 11:30	(Printed)	(Printed)	Time: 9:15	(Printed)
Remarks: Report to: Include CT DPH RCP Report				Condition upon Receipt: Page 9 of 13	

Relinquished by: Paul Racine
3/6/18 14:40

Received by: 3/6/18 1440 21, 2.9 °



21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

CHAIN OF CUSTODY

18C0234

LAB ID #.

PROJECT NUMBER		PROJECT NAME		PARAMETERS		CONTAINERS		TURNAROUND TIME				
263951		English Station - Boiler 1-12 Area New Haven, CT						x	Standard TAT 7-10 Days			
SIGNATURE		INSPECTOR						Rush TAT	Date Needed:			
		Mark Kearney/Gregory Kaczynski										
Lab ID:	SAMPLE ID:	DATE	TIME	TYPE		SAMPLE LOCATION	EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1= caulk/glaze X2= paint, X3=other solid)	Preservative	NOTES
				COMP	GRAB							
30	P55A	2/28/13	1330		X	2nd fl- west 18" dia exp	X		X	X2	---	
	P55B	2/28/13	1340		X	2nd fl- 3' breach west	X			X2	---	
	P55C	2/28/13	1350		X	2nd fl- 12" west riser	X			X2	---	
	P56A	2/28/13	1140		X	2nd fl- west	X			X2	---	
	P57A	2/28/13	1124		X	2nd fl- west	X			X2	---	
	P57B	2/28/13	1126		X	2nd fl- west	X			X2	---	
	P58A	2/28/13	1355		X	2nd fl- west motor pump	X			X2	---	
	P58B	2/28/13	1400		X	2nd fl- west motor pump	X			X2	---	
	P59A	3/1/13	0915		X	2nd fl- west mezz painton tank	X			X2	---	
	P59B	3/1/13	0920		X	2nd fl- west mezz painton tank	X			X2	---	
	P59C	3/1/13	0920		X	2nd fl- west mezz tank	X			X2	---	

Relinquished by: (Signature) 	Date: 3/5/18	Received by: (Signature) Fridge	Relinquished by: (Signature) Fridge	Date: 3/6/18	Received by: (Signature)
(Printed) Mark Kearney	Time: 11:30	(Printed) Ken	(Printed)	Time: 9:15	(Printed)
Remarks: Report to: Include CT DPH RCP Report			Condition upon Receipt: Page 13		

Re/ing Paul Barrett
3/6/18 14:40

Am ret 3/6/18 21, 29°C


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 TRCReceived By SE Date 3/6/18 Time 1440
 How were the samples received? In Cooler _____ No Cooler _____ On Ice _____ No Ice _____
 Direct from Sampling _____ Ambient _____ Melted Ice _____

 Were samples within Temperature? 2-6°C T By Gun # 577 Actual Temp - 2.1, 2.9
 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? FIs COC in ink/ Legible? T Were samples received within holding time? T
 Did COC include all Client T Analysis T Sampler Name T
 pertinent Information? Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? TAre there Lab to Filters? FAre there Rushes? FAre there Short Holds? FIs there enough Volume? TIs there Headspace where applicable? N/AProper Media/Containers Used? TWere trip blanks received? FDo 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:

-Received in 2 coolers



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: United Illuminating Company

Project Location: English Station

Project Number: 18C0254

Laboratory Sample ID(s):

18C0254-01 thru 18C0254-20

Sample Date(s):

 02/28/2018,
03/01/2018

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: Project Manager
Printed Name: Lisa A. Worthington
Date: 03/22/18
Name of Laboratory: Con-Test Analytical Laboratory

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

March 26, 2018

Chris Mocciae
United Illuminating Company
180 Marsh Hill Road
Orange, CT 06477

Project Location: English Station
Client Job Number:
Project Number: 263951
Laboratory Work Order Number: 18C0256

Enclosed are results of analyses for samples received by the laboratory on March 6, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica L. Hoffman
Project Manager

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

United Illuminating Company
180 Marsh Hill Road
Orange, CT 06477
ATTN: Chris Moccia

REPORT DATE: 3/26/2018

PURCHASE ORDER NUMBER: 4500446141

PROJECT NUMBER: 263951

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18C0256

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

PROJECT LOCATION: English Station

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
P63B	18C0256-01	Paint	2nd fl control room; ex wall panel	SW-846 8082A	
P63C	18C0256-02	Paint	2nd fl cont. rm ext wall CMU	SW-846 8082A	
P64A	18C0256-03	Paint	2nd fl LAV walls	SW-846 8082A	
P64B	18C0256-04	Paint	2nd fl LAV walls	SW-846 8082A	
P64C	18C0256-05	Paint	2nd fl LAV walls	SW-846 8082A	
P65A	18C0256-06	Paint	2nd fl south west (SE)	SW-846 8082A	
P65B	18C0256-07	Paint	upper area winch rm (NE)	SW-846 8082A	
P65C	18C0256-08	Paint	2nd fl east wall fire box (NE)	SW-846 8082A	
P66A	18C0256-09	Paint	2nd fl LAV ceiling	SW-846 8082A	
P66B	18C0256-10	Paint	2nd fl LAV ceiling	SW-846 8082A	
P66C	18C0256-11	Paint	2nd fl LAV ceiling	SW-846 8082A	
P67A	18C0256-12	Paint	2nd fl rest rm upper wall	SW-846 8082A	
P67B	18C0256-13	Paint	2nd fl restroom lower wall	SW-846 8082A	
P67C	18C0256-14	Paint	2nd fl restroom ceiling	SW-846 8082A	
P68A	18C0256-15	Paint	upper R mezz ceiling paint	SW-846 8082A	
P68B	18C0256-16	Paint	upper R mezz ceiling paint	SW-846 8082A	
P68C	18C0256-17	Paint	upper R mezz ceiling paint	SW-846 8082A	

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

CASE NARRATIVE SUMMARY

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

REVISED REPORT - 3/26/2018 - 18C0256-01 - ID revised per clients request.

SW-846 8082A

Qualifications:

P-02

Sample RPD between primary and confirmatory analysis exceeded 40%. Per EPA method 8000, the lower value was reported due to obvious chromatographic interference on the column with the higher result.

Analyte & Samples(s) Qualified:

Aroclor-1248

18C0256-03[P64A], 18C0256-04[P64B]

Aroclor-1254

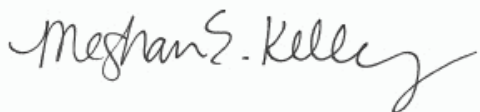
18C0256-03[P64A], 18C0256-04[P64B], 18C0256-05[P64C]

Aroclor-1254 [2C]

18C0256-06RE1[P65A]

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 "Meghan E. Kelley", is displayed on a light gray rectangular background.

Meghan E. Kelley
Project Manager

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

Project Location: English Station

Sample Description: 2nd fl control room; ex wall panel

Work Order: 18C0256

Date Received: 3/6/2018

Field Sample #: P63B

Sampled: 2/28/2018 14:20

Sample ID: 18C0256-01

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 22:52	TG
Aroclor-1221 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 22:52	TG
Aroclor-1232 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 22:52	TG
Aroclor-1242 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 22:52	TG
Aroclor-1248 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 22:52	TG
Aroclor-1254 [1]	0.60	0.46	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 22:52	TG
Aroclor-1260 [1]	0.59	0.46	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 22:52	TG
Aroclor-1262 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 22:52	TG
Aroclor-1268 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 22:52	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	68.5	30-150							
Decachlorobiphenyl [2]	58.1	30-150							
Tetrachloro-m-xylene [1]	55.8	30-150							
Tetrachloro-m-xylene [2]	58.2	30-150							

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

Project Location: English Station

Sample Description: 2nd fl cont. rm ext wall CMU

Work Order: 18C0256

Date Received: 3/6/2018

Field Sample #: P63C

Sampled: 2/28/2018 14:22

Sample ID: 18C0256-02

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 23:10	TG
Aroclor-1221 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 23:10	TG
Aroclor-1232 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 23:10	TG
Aroclor-1242 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 23:10	TG
Aroclor-1248 [2]	0.91	0.40	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 23:10	TG
Aroclor-1254 [2]	3.0	0.40	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 23:10	TG
Aroclor-1260 [1]	2.3	0.40	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 23:10	TG
Aroclor-1262 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 23:10	TG
Aroclor-1268 [2]	0.62	0.40	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 23:10	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	92.9	30-150							
Decachlorobiphenyl [2]	79.7	30-150							
Tetrachloro-m-xylene [1]	69.3	30-150							
Tetrachloro-m-xylene [2]	72.7	30-150							

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

Project Location: English Station

Sample Description: 2nd fl LAV walls

Work Order: 18C0256

Date Received: 3/6/2018

Field Sample #: P64A

Sampled: 2/28/2018 14:25

Sample ID: 18C0256-03

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 23:27	TG
Aroclor-1221 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 23:27	TG
Aroclor-1232 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 23:27	TG
Aroclor-1242 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 23:27	TG
Aroclor-1248 [1]	1.2	0.37	mg/Kg	1	P-02	SW-846 8082A	3/11/18	3/16/18 23:27	TG
Aroclor-1254 [1]	2.8	0.37	mg/Kg	1	P-02	SW-846 8082A	3/11/18	3/16/18 23:27	TG
Aroclor-1260 [1]	1.3	0.37	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 23:27	TG
Aroclor-1262 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 23:27	TG
Aroclor-1268 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 23:27	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	104	30-150							
Decachlorobiphenyl [2]	88.0	30-150							
Tetrachloro-m-xylene [1]	78.7	30-150							
Tetrachloro-m-xylene [2]	80.6	30-150							

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

Project Location: English Station

Sample Description: 2nd fl LAV walls

Work Order: 18C0256

Date Received: 3/6/2018

Field Sample #: P64B

Sampled: 2/28/2018 14:26

Sample ID: 18C0256-04

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 23:45	TG
Aroclor-1221 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 23:45	TG
Aroclor-1232 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 23:45	TG
Aroclor-1242 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 23:45	TG
Aroclor-1248 [1]	1.4	0.47	mg/Kg	1	P-02	SW-846 8082A	3/11/18	3/16/18 23:45	TG
Aroclor-1254 [1]	3.8	0.47	mg/Kg	1	P-02	SW-846 8082A	3/11/18	3/16/18 23:45	TG
Aroclor-1260 [1]	1.9	0.47	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 23:45	TG
Aroclor-1262 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 23:45	TG
Aroclor-1268 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/11/18	3/16/18 23:45	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	115	30-150							
Decachlorobiphenyl [2]	97.0	30-150							
Tetrachloro-m-xylene [1]	86.7	30-150							
Tetrachloro-m-xylene [2]	89.2	30-150							

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

Project Location: English Station

Sample Description: 2nd fl LAV walls

Work Order: 18C0256

Date Received: 3/6/2018

Field Sample #: P64C

Sampled: 2/28/2018 14:28

Sample ID: 18C0256-05

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 0:03	TG
Aroclor-1221 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 0:03	TG
Aroclor-1232 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 0:03	TG
Aroclor-1242 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 0:03	TG
Aroclor-1248 [2]	2.0	0.44	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 0:03	TG
Aroclor-1254 [1]	3.0	0.44	mg/Kg	1	P-02	SW-846 8082A	3/11/18	3/17/18 0:03	TG
Aroclor-1260 [1]	1.6	0.44	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 0:03	TG
Aroclor-1262 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 0:03	TG
Aroclor-1268 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 0:03	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	109	30-150						3/17/18 0:03	
Decachlorobiphenyl [2]	92.9	30-150						3/17/18 0:03	
Tetrachloro-m-xylene [1]	82.2	30-150						3/17/18 0:03	
Tetrachloro-m-xylene [2]	84.6	30-150						3/17/18 0:03	

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

Project Location: English Station

Sample Description: 2nd fl south west (SE)

Work Order: 18C0256

Date Received: 3/6/2018

Field Sample #: P65A

Sampled: 2/28/2018 10:30

Sample ID: 18C0256-06

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 0:20	TG
Aroclor-1016 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	3/19/18	3/21/18 0:15	TG
Aroclor-1221 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 0:20	TG
Aroclor-1221 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	3/19/18	3/21/18 0:15	TG
Aroclor-1232 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 0:20	TG
Aroclor-1232 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	3/19/18	3/21/18 0:15	TG
Aroclor-1242 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	3/19/18	3/21/18 0:15	TG
Aroclor-1242 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 0:20	TG
Aroclor-1248 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 0:20	TG
Aroclor-1248 [1]	0.45	0.37	mg/Kg	1		SW-846 8082A	3/19/18	3/21/18 0:15	TG
Aroclor-1254 [1]	0.51	0.37	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 0:20	TG
Aroclor-1254 [2]	0.85	0.37	mg/Kg	1	P-02	SW-846 8082A	3/19/18	3/21/18 0:15	TG
Aroclor-1260 [1]	1.3	0.37	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 0:20	TG
Aroclor-1260 [1]	4.9	0.37	mg/Kg	1		SW-846 8082A	3/19/18	3/21/18 0:15	TG
Aroclor-1262 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 0:20	TG
Aroclor-1262 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	3/19/18	3/21/18 0:15	TG
Aroclor-1268 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 0:20	TG
Aroclor-1268 [1]	1.6	0.37	mg/Kg	1		SW-846 8082A	3/19/18	3/21/18 0:15	TG
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	24.9	*	30-150					3/17/18 0:20	
Decachlorobiphenyl [1]	88.8		30-150					3/21/18 0:15	
Decachlorobiphenyl [2]	21.0	*	30-150					3/17/18 0:20	
Decachlorobiphenyl [2]	89.7		30-150					3/21/18 0:15	
Tetrachloro-m-xylene [1]	21.1	*	30-150					3/17/18 0:20	
Tetrachloro-m-xylene [1]	89.1		30-150					3/21/18 0:15	
Tetrachloro-m-xylene [2]	21.0	*	30-150					3/17/18 0:20	
Tetrachloro-m-xylene [2]	87.7		30-150					3/21/18 0:15	

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

Project Location: English Station

Sample Description: upper area winch rm (NE)

Work Order: 18C0256

Date Received: 3/6/2018

Field Sample #: P65B

Sampled: 3/1/2018 09:40

Sample ID: 18C0256-07

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 0:38	TG
Aroclor-1221 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 0:38	TG
Aroclor-1232 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 0:38	TG
Aroclor-1242 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 0:38	TG
Aroclor-1248 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 0:38	TG
Aroclor-1254 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 0:38	TG
Aroclor-1260 [1]	0.80	0.43	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 0:38	TG
Aroclor-1262 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 0:38	TG
Aroclor-1268 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 0:38	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	109	30-150						3/17/18 0:38	
Decachlorobiphenyl [2]	92.8	30-150						3/17/18 0:38	
Tetrachloro-m-xylene [1]	74.4	30-150						3/17/18 0:38	
Tetrachloro-m-xylene [2]	77.0	30-150						3/17/18 0:38	

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

Project Location: English Station

Sample Description: 2nd fl east wall fire box (NE)

Work Order: 18C0256

Date Received: 3/6/2018

Field Sample #: P65C

Sampled: 3/1/2018 11:00

Sample ID: 18C0256-08

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 0:56	TG
Aroclor-1221 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 0:56	TG
Aroclor-1232 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 0:56	TG
Aroclor-1242 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 0:56	TG
Aroclor-1248 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 0:56	TG
Aroclor-1254 [2]	0.56	0.43	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 0:56	TG
Aroclor-1260 [1]	0.84	0.43	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 0:56	TG
Aroclor-1262 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 0:56	TG
Aroclor-1268 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 0:56	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	120	30-150							
Decachlorobiphenyl [2]	104	30-150							
Tetrachloro-m-xylene [1]	86.4	30-150							
Tetrachloro-m-xylene [2]	93.0	30-150							

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

Project Location: English Station

Sample Description: 2nd fl LAV ceiling

Work Order: 18C0256

Date Received: 3/6/2018

Field Sample #: P66A

Sampled: 2/28/2018 14:30

Sample ID: 18C0256-09

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 1:13	TG
Aroclor-1221 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 1:13	TG
Aroclor-1232 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 1:13	TG
Aroclor-1242 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 1:13	TG
Aroclor-1248 [2]	1.8	0.45	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 1:13	TG
Aroclor-1254 [2]	4.7	0.45	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 1:13	TG
Aroclor-1260 [1]	2.2	0.45	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 1:13	TG
Aroclor-1262 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 1:13	TG
Aroclor-1268 [2]	0.75	0.45	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 1:13	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	99.4	30-150						3/17/18 1:13	
Decachlorobiphenyl [2]	84.9	30-150						3/17/18 1:13	
Tetrachloro-m-xylene [1]	77.1	30-150						3/17/18 1:13	
Tetrachloro-m-xylene [2]	81.1	30-150						3/17/18 1:13	

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

Project Location: English Station

Sample Description: 2nd fl LAV ceiling

Work Order: 18C0256

Date Received: 3/6/2018

Field Sample #: P66B

Sampled: 2/28/2018 14:32

Sample ID: 18C0256-10

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 2:37	TG
Aroclor-1221 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 2:37	TG
Aroclor-1232 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 2:37	TG
Aroclor-1242 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 2:37	TG
Aroclor-1248 [2]	0.76	0.46	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 2:37	TG
Aroclor-1254 [2]	2.2	0.46	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 2:37	TG
Aroclor-1260 [1]	0.94	0.46	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 2:37	TG
Aroclor-1262 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 2:37	TG
Aroclor-1268 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 2:37	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	64.2	30-150						3/17/18 2:37	
Decachlorobiphenyl [2]	53.7	30-150						3/17/18 2:37	
Tetrachloro-m-xylene [1]	54.1	30-150						3/17/18 2:37	
Tetrachloro-m-xylene [2]	54.1	30-150						3/17/18 2:37	

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

Project Location: English Station

Sample Description: 2nd fl LAV ceiling

Work Order: 18C0256

Date Received: 3/6/2018

Field Sample #: P66C

Sampled: 2/28/2018 14:34

Sample ID: 18C0256-11

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 2:55	TG
Aroclor-1221 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 2:55	TG
Aroclor-1232 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 2:55	TG
Aroclor-1242 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 2:55	TG
Aroclor-1248 [2]	2.3	0.44	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 2:55	TG
Aroclor-1254 [2]	5.5	0.44	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 2:55	TG
Aroclor-1260 [1]	2.3	0.44	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 2:55	TG
Aroclor-1262 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 2:55	TG
Aroclor-1268 [2]	0.73	0.44	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 2:55	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	113	30-150						3/17/18 2:55	
Decachlorobiphenyl [2]	96.9	30-150						3/17/18 2:55	
Tetrachloro-m-xylene [1]	91.4	30-150						3/17/18 2:55	
Tetrachloro-m-xylene [2]	94.3	30-150						3/17/18 2:55	

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

Project Location: English Station

Sample Description: 2nd fl rest rm upper wall

Work Order: 18C0256

Date Received: 3/6/2018

Field Sample #: P67A

Sampled: 2/28/2018 14:42

Sample ID: 18C0256-12

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 3:12	TG
Aroclor-1221 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 3:12	TG
Aroclor-1232 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 3:12	TG
Aroclor-1242 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 3:12	TG
Aroclor-1248 [2]	0.67	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 3:12	TG
Aroclor-1254 [1]	1.5	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 3:12	TG
Aroclor-1260 [1]	1.4	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 3:12	TG
Aroclor-1262 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 3:12	TG
Aroclor-1268 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 3:12	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	113	30-150							
Decachlorobiphenyl [2]	96.9	30-150							
Tetrachloro-m-xylene [1]	77.6	30-150							
Tetrachloro-m-xylene [2]	89.6	30-150							

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

Project Location: English Station

Sample Description: 2nd fl restroom lower wall

Work Order: 18C0256

Date Received: 3/6/2018

Field Sample #: P67B

Sampled: 2/28/2018 14:44

Sample ID: 18C0256-13

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.38	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 3:30	TG
Aroclor-1221 [1]	ND	0.38	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 3:30	TG
Aroclor-1232 [1]	ND	0.38	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 3:30	TG
Aroclor-1242 [1]	ND	0.38	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 3:30	TG
Aroclor-1248 [2]	0.91	0.38	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 3:30	TG
Aroclor-1254 [1]	2.2	0.38	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 3:30	TG
Aroclor-1260 [1]	2.1	0.38	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 3:30	TG
Aroclor-1262 [1]	ND	0.38	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 3:30	TG
Aroclor-1268 [1]	ND	0.38	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 3:30	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	114	30-150						3/17/18 3:30	
Decachlorobiphenyl [2]	98.3	30-150						3/17/18 3:30	
Tetrachloro-m-xylene [1]	85.5	30-150						3/17/18 3:30	
Tetrachloro-m-xylene [2]	91.4	30-150						3/17/18 3:30	

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

Project Location: English Station

Sample Description: 2nd fl restroom ceiling

Work Order: 18C0256

Date Received: 3/6/2018

Field Sample #: P67C

Sampled: 2/28/2018 14:50

Sample ID: 18C0256-14

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 3:48	TG
Aroclor-1221 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 3:48	TG
Aroclor-1232 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 3:48	TG
Aroclor-1242 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 3:48	TG
Aroclor-1248 [1]	0.80	0.39	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 3:48	TG
Aroclor-1254 [2]	1.8	0.39	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 3:48	TG
Aroclor-1260 [1]	1.2	0.39	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 3:48	TG
Aroclor-1262 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 3:48	TG
Aroclor-1268 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 3:48	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	116	30-150							
Decachlorobiphenyl [2]	101	30-150							
Tetrachloro-m-xylene [1]	92.5	30-150							
Tetrachloro-m-xylene [2]	93.8	30-150							

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

Project Location: English Station

Sample Description: upper R mezz ceiling paint

Work Order: 18C0256

Date Received: 3/6/2018

Field Sample #: P68A

Sampled: 3/1/2018 10:05

Sample ID: 18C0256-15

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	3/19/18	3/21/18 0:33	TG
Aroclor-1016 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 4:05	TG
Aroclor-1221 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	3/19/18	3/21/18 0:33	TG
Aroclor-1221 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 4:05	TG
Aroclor-1232 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	3/19/18	3/21/18 0:33	TG
Aroclor-1232 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 4:05	TG
Aroclor-1242 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	3/19/18	3/21/18 0:33	TG
Aroclor-1242 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 4:05	TG
Aroclor-1248 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	3/19/18	3/21/18 0:33	TG
Aroclor-1248 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 4:05	TG
Aroclor-1254 [1]	0.46	0.45	mg/Kg	1		SW-846 8082A	3/19/18	3/21/18 0:33	TG
Aroclor-1254 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 4:05	TG
Aroclor-1260 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	3/19/18	3/21/18 0:33	TG
Aroclor-1260 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 4:05	TG
Aroclor-1262 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	3/19/18	3/21/18 0:33	TG
Aroclor-1262 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 4:05	TG
Aroclor-1268 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	3/19/18	3/21/18 0:33	TG
Aroclor-1268 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 4:05	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	18.0 *	30-150						3/17/18 4:05	
Decachlorobiphenyl [1]	88.9	30-150						3/21/18 0:33	
Decachlorobiphenyl [2]	89.7	30-150						3/21/18 0:33	
Decachlorobiphenyl [2]	15.2 *	30-150						3/17/18 4:05	
Tetrachloro-m-xylene [1]	86.9	30-150						3/21/18 0:33	
Tetrachloro-m-xylene [1]	16.2 *	30-150						3/17/18 4:05	
Tetrachloro-m-xylene [2]	17.6 *	30-150						3/17/18 4:05	
Tetrachloro-m-xylene [2]	87.7	30-150						3/21/18 0:33	

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

Project Location: English Station

Sample Description: upper R mezz ceiling paint

Work Order: 18C0256

Date Received: 3/6/2018

Field Sample #: P68B

Sampled: 3/1/2018 10:10

Sample ID: 18C0256-16

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 4:23	TG
Aroclor-1221 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 4:23	TG
Aroclor-1232 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 4:23	TG
Aroclor-1242 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 4:23	TG
Aroclor-1248 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 4:23	TG
Aroclor-1254 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 4:23	TG
Aroclor-1260 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 4:23	TG
Aroclor-1262 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 4:23	TG
Aroclor-1268 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 4:23	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	64.2	30-150						3/17/18 4:23	
Decachlorobiphenyl [2]	54.7	30-150						3/17/18 4:23	
Tetrachloro-m-xylene [1]	49.0	30-150						3/17/18 4:23	
Tetrachloro-m-xylene [2]	54.3	30-150						3/17/18 4:23	

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

Project Location: English Station

Sample Description: upper R mezz ceiling paint

Work Order: 18C0256

Date Received: 3/6/2018

Field Sample #: P68C

Sampled: 3/1/2018 10:15

Sample ID: 18C0256-17

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 4:41	TG
Aroclor-1221 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 4:41	TG
Aroclor-1232 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 4:41	TG
Aroclor-1242 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 4:41	TG
Aroclor-1248 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 4:41	TG
Aroclor-1254 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 4:41	TG
Aroclor-1260 [1]	0.77	0.40	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 4:41	TG
Aroclor-1262 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 4:41	TG
Aroclor-1268 [1]	0.46	0.40	mg/Kg	1		SW-846 8082A	3/11/18	3/17/18 4:41	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	94.6	30-150						3/17/18 4:41	
Decachlorobiphenyl [2]	80.5	30-150						3/17/18 4:41	
Tetrachloro-m-xylene [1]	72.0	30-150						3/17/18 4:41	
Tetrachloro-m-xylene [2]	78.2	30-150						3/17/18 4:41	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18C0256-01 [P63B]	B198597	0.217	10.0	03/11/18
18C0256-02 [P63C]	B198597	0.253	10.0	03/11/18
18C0256-03 [P64A]	B198597	0.272	10.0	03/11/18
18C0256-04 [P64B]	B198597	0.213	10.0	03/11/18
18C0256-05 [P64C]	B198597	0.230	10.0	03/11/18
18C0256-06 [P65A]	B198597	0.271	10.0	03/11/18
18C0256-07 [P65B]	B198597	0.231	10.0	03/11/18
18C0256-08 [P65C]	B198597	0.234	10.0	03/11/18
18C0256-09 [P66A]	B198597	0.223	10.0	03/11/18
18C0256-10 [P66B]	B198597	0.219	10.0	03/11/18
18C0256-11 [P66C]	B198597	0.227	10.0	03/11/18
18C0256-12 [P67A]	B198597	0.208	10.0	03/11/18
18C0256-13 [P67B]	B198597	0.262	10.0	03/11/18
18C0256-14 [P67C]	B198597	0.254	10.0	03/11/18
18C0256-15 [P68A]	B198597	0.274	10.0	03/11/18
18C0256-16 [P68B]	B198597	0.217	10.0	03/11/18
18C0256-17 [P68C]	B198597	0.250	10.0	03/11/18

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18C0256-06RE1 [P65A]	B199102	0.268	10.0	03/19/18
18C0256-15RE1 [P68A]	B199102	0.221	10.0	03/19/18

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

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 B198597 - SW-846 3540C

Blank (B198597-BLK1)

Prepared: 03/11/18 Analyzed: 03/16/18

Aroclor-1016	ND	0.50	mg/Kg							
Aroclor-1016 [2C]	ND	0.50	mg/Kg							
Aroclor-1221	ND	0.50	mg/Kg							
Aroclor-1221 [2C]	ND	0.50	mg/Kg							
Aroclor-1232	ND	0.50	mg/Kg							
Aroclor-1232 [2C]	ND	0.50	mg/Kg							
Aroclor-1242	ND	0.50	mg/Kg							
Aroclor-1242 [2C]	ND	0.50	mg/Kg							
Aroclor-1248	ND	0.50	mg/Kg							
Aroclor-1248 [2C]	ND	0.50	mg/Kg							
Aroclor-1254	ND	0.50	mg/Kg							
Aroclor-1254 [2C]	ND	0.50	mg/Kg							
Aroclor-1260	ND	0.50	mg/Kg							
Aroclor-1260 [2C]	ND	0.50	mg/Kg							
Aroclor-1262	ND	0.50	mg/Kg							
Aroclor-1262 [2C]	ND	0.50	mg/Kg							
Aroclor-1268	ND	0.50	mg/Kg							
Aroclor-1268 [2C]	ND	0.50	mg/Kg							
Surrogate: Decachlorobiphenyl	11.7		mg/Kg	10.0		117	30-150			
Surrogate: Decachlorobiphenyl [2C]	9.84		mg/Kg	10.0		98.4	30-150			
Surrogate: Tetrachloro-m-xylene	8.66		mg/Kg	10.0		86.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	8.66		mg/Kg	10.0		86.6	30-150			

LCS (B198597-BS1)

Prepared: 03/11/18 Analyzed: 03/16/18

Aroclor-1016	2.5	0.50	mg/Kg	2.50		102	40-140			
Aroclor-1016 [2C]	2.5	0.50	mg/Kg	2.50		100	40-140			
Aroclor-1260	2.2	0.50	mg/Kg	2.50		89.4	40-140			
Aroclor-1260 [2C]	2.3	0.50	mg/Kg	2.50		93.3	40-140			
Surrogate: Decachlorobiphenyl	11.9		mg/Kg	10.0		119	30-150			
Surrogate: Decachlorobiphenyl [2C]	10.2		mg/Kg	10.0		102	30-150			
Surrogate: Tetrachloro-m-xylene	9.07		mg/Kg	10.0		90.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	9.09		mg/Kg	10.0		90.9	30-150			

LCS Dup (B198597-BSD1)

Prepared: 03/11/18 Analyzed: 03/16/18

Aroclor-1016	2.5	0.50	mg/Kg	2.50		100	40-140	1.45	30	
Aroclor-1016 [2C]	2.5	0.50	mg/Kg	2.50		101	40-140	0.887	30	
Aroclor-1260	2.2	0.50	mg/Kg	2.50		89.3	40-140	0.134	30	
Aroclor-1260 [2C]	2.3	0.50	mg/Kg	2.50		92.4	40-140	0.959	30	
Surrogate: Decachlorobiphenyl	11.8		mg/Kg	10.0		118	30-150			
Surrogate: Decachlorobiphenyl [2C]	9.90		mg/Kg	10.0		99.0	30-150			
Surrogate: Tetrachloro-m-xylene	9.00		mg/Kg	10.0		90.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	9.09		mg/Kg	10.0		90.9	30-150			

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

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 B199102 - SW-846 3540C
Blank (B199102-BLK1)

Prepared: 03/19/18 Analyzed: 03/20/18

Aroclor-1016	ND	0.50	mg/Kg							
Aroclor-1016 [2C]	ND	0.50	mg/Kg							
Aroclor-1221	ND	0.50	mg/Kg							
Aroclor-1221 [2C]	ND	0.50	mg/Kg							
Aroclor-1232	ND	0.50	mg/Kg							
Aroclor-1232 [2C]	ND	0.50	mg/Kg							
Aroclor-1242	ND	0.50	mg/Kg							
Aroclor-1242 [2C]	ND	0.50	mg/Kg							
Aroclor-1248	ND	0.50	mg/Kg							
Aroclor-1248 [2C]	ND	0.50	mg/Kg							
Aroclor-1254	ND	0.50	mg/Kg							
Aroclor-1254 [2C]	ND	0.50	mg/Kg							
Aroclor-1260	ND	0.50	mg/Kg							
Aroclor-1260 [2C]	ND	0.50	mg/Kg							
Aroclor-1262	ND	0.50	mg/Kg							
Aroclor-1262 [2C]	ND	0.50	mg/Kg							
Aroclor-1268	ND	0.50	mg/Kg							
Aroclor-1268 [2C]	ND	0.50	mg/Kg							
Surrogate: Decachlorobiphenyl	10.5		mg/Kg	10.0		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	10.8		mg/Kg	10.0		108	30-150			
Surrogate: Tetrachloro-m-xylene	9.60		mg/Kg	10.0		96.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	9.71		mg/Kg	10.0		97.1	30-150			

LCS (B199102-BS1)

Prepared: 03/19/18 Analyzed: 03/20/18

Aroclor-1016	2.6	0.50	mg/Kg	2.50		103	40-140			
Aroclor-1016 [2C]	2.5	0.50	mg/Kg	2.50		102	40-140			
Aroclor-1260	2.5	0.50	mg/Kg	2.50		100	40-140			
Aroclor-1260 [2C]	2.6	0.50	mg/Kg	2.50		102	40-140			
Surrogate: Decachlorobiphenyl	10.9		mg/Kg	10.0		109	30-150			
Surrogate: Decachlorobiphenyl [2C]	11.2		mg/Kg	10.0		112	30-150			
Surrogate: Tetrachloro-m-xylene	9.65		mg/Kg	10.0		96.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	9.71		mg/Kg	10.0		97.1	30-150			

LCS Dup (B199102-BSD1)

Prepared: 03/19/18 Analyzed: 03/20/18

Aroclor-1016	2.6	0.50	mg/Kg	2.50		104	40-140	0.917	30	
Aroclor-1016 [2C]	2.5	0.50	mg/Kg	2.50		100	40-140	1.64	30	
Aroclor-1260	2.4	0.50	mg/Kg	2.50		95.8	40-140	4.75	30	
Aroclor-1260 [2C]	2.4	0.50	mg/Kg	2.50		97.2	40-140	5.03	30	
Surrogate: Decachlorobiphenyl	10.3		mg/Kg	10.0		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	10.5		mg/Kg	10.0		105	30-150			
Surrogate: Tetrachloro-m-xylene	9.17		mg/Kg	10.0		91.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	9.20		mg/Kg	10.0		92.0	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P66B

Lab Sample ID: 18C0256-01 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.60	
	2	0.000	0.000	0.000	0.58	3.4
Aroclor-1260	1	0.000	0.000	0.000	0.59	
	2	0.000	0.000	0.000	0.49	18.5

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P63C

Lab Sample ID: 18C0256-02 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.66	
	2	0.000	0.000	0.000	0.91	31.8
Aroclor-1254	1	0.000	0.000	0.000	2.5	
	2	0.000	0.000	0.000	3.0	18.2
Aroclor-1260	1	0.000	0.000	0.000	2.3	
	2	0.000	0.000	0.000	1.9	19.0
Aroclor-1268	1	0.000	0.000	0.000	0.57	
	2	0.000	0.000	0.000	0.62	8.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P64A

Lab Sample ID: 18C0256-03 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	1.2	
	2	0.000	0.000	0.000	1.9	45.2
Aroclor-1254	1	0.000	0.000	0.000	2.8	
	2	0.000	0.000	0.000	5.5	65.1
Aroclor-1260	1	0.000	0.000	0.000	1.3	
	2	0.000	0.000	0.000	1.1	16.7

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P64B

Lab Sample ID: 18C0256-04 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	1.4	
	2	0.000	0.000	0.000	2.4	52.6
Aroclor-1254	1	0.000	0.000	0.000	3.8	
	2	0.000	0.000	0.000	7.7	67.8
Aroclor-1260	1	0.000	0.000	0.000	1.9	
	2	0.000	0.000	0.000	1.6	17.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P64C

Lab Sample ID: 18C0256-05 Date(s) Analyzed: 03/17/2018 03/17/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	1.4	
	2	0.000	0.000	0.000	2.0	35.3
Aroclor-1254	1	0.000	0.000	0.000	3.0	
	2	0.000	0.000	0.000	6.1	68.1
Aroclor-1260	1	0.000	0.000	0.000	1.6	
	2	0.000	0.000	0.000	1.4	13.3

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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***P65A**Lab Sample ID: 18C0256-06 Date(s) Analyzed: 03/17/2018 03/17/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	1.3	
	2	0.000	0.000	0.000	1.1	16.7

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P65A

Lab Sample ID: 18C0256-06RE1 Date(s) Analyzed: 03/21/2018 03/21/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.45	
	2	0.000	0.000	0.000	0.43	4.6
Aroclor-1254	1	0.000	0.000	0.000	1.6	
	2	0.000	0.000	0.000	0.85	61.2
Aroclor-1260	1	0.000	0.000	0.000	4.9	
	2	0.000	0.000	0.000	4.2	15.4
Aroclor-1268	1	0.000	0.000	0.000	1.6	
	2	0.000	0.000	0.000	1.4	13.3

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***P65B**Lab Sample ID: 18C0256-07 Date(s) Analyzed: 03/17/2018 03/17/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.80	
	2	0.000	0.000	0.000	0.61	27.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P65C

Lab Sample ID: 18C0256-08 Date(s) Analyzed: 03/17/2018 03/17/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.54	
	2	0.000	0.000	0.000	0.56	3.6
Aroclor-1260	1	0.000	0.000	0.000	0.84	
	2	0.000	0.000	0.000	0.67	22.5

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P66A

Lab Sample ID: 18C0256-09 Date(s) Analyzed: 03/17/2018 03/17/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	1.5	
	2	0.000	0.000	0.000	1.8	18.2
Aroclor-1254	1	0.000	0.000	0.000	3.9	
	2	0.000	0.000	0.000	4.7	18.6
Aroclor-1260	1	0.000	0.000	0.000	2.2	
	2	0.000	0.000	0.000	1.8	20.0
Aroclor-1268	1	0.000	0.000	0.000	0.73	
	2	0.000	0.000	0.000	0.75	2.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P66B

Lab Sample ID: 18C0256-10 Date(s) Analyzed: 03/17/2018 03/17/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.71	
	2	0.000	0.000	0.000	0.76	6.8
Aroclor-1254	1	0.000	0.000	0.000	2.1	
	2	0.000	0.000	0.000	2.2	4.7
Aroclor-1260	1	0.000	0.000	0.000	0.94	
	2	0.000	0.000	0.000	0.83	12.4

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P66C

Lab Sample ID: 18C0256-11 Date(s) Analyzed: 03/17/2018 03/17/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	1.9	
	2	0.000	0.000	0.000	2.3	19.0
Aroclor-1254	1	0.000	0.000	0.000	4.8	
	2	0.000	0.000	0.000	5.5	13.6
Aroclor-1260	1	0.000	0.000	0.000	2.3	
	2	0.000	0.000	0.000	1.8	24.4
Aroclor-1268	1	0.000	0.000	0.000	0.73	
	2	0.000	0.000	0.000	0.73	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P67A

Lab Sample ID: 18C0256-12 Date(s) Analyzed: 03/17/2018 03/17/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.67	
	2	0.000	0.000	0.000	0.67	0.0
Aroclor-1254	1	0.000	0.000	0.000	1.5	
	2	0.000	0.000	0.000	1.4	6.9
Aroclor-1260	1	0.000	0.000	0.000	1.4	
	2	0.000	0.000	0.000	1.2	15.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P67B

Lab Sample ID: 18C0256-13 Date(s) Analyzed: 03/17/2018 03/17/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.77	
	2	0.000	0.000	0.000	0.91	16.7
Aroclor-1254	1	0.000	0.000	0.000	2.2	
	2	0.000	0.000	0.000	2.1	4.7
Aroclor-1260	1	0.000	0.000	0.000	2.1	
	2	0.000	0.000	0.000	1.8	15.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P67C

Lab Sample ID: 18C0256-14 Date(s) Analyzed: 03/17/2018 03/17/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.80	
	2	0.000	0.000	0.000	0.78	2.5
Aroclor-1254	1	0.000	0.000	0.000	1.7	
	2	0.000	0.000	0.000	1.8	5.7
Aroclor-1260	1	0.000	0.000	0.000	1.2	
	2	0.000	0.000	0.000	1.0	26.1

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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***P68C**Lab Sample ID: 18C0256-17 Date(s) Analyzed: 03/17/2018 03/17/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.77	
	2	0.000	0.000	0.000	0.67	13.9
Aroclor-1268	1	0.000	0.000	0.000	0.46	
	2	0.000	0.000	0.000	0.45	2.2

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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 is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
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.
P-02	Sample RPD between primary and confirmatory analysis exceeded 40%. Per EPA method 8000, the lower value was reported due to obvious chromatographic interference on the column with the higher result.

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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	03/1/2020
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	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
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



21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
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CHAIN OF CUSTODY

Edition: September 2007
Supersede Previous Edition

18C0250

PROJECT NUMBER		PROJECT NAME		PARAMETERS		CONTAINERS		LAB ID #.			
263951		English Station - Boiler 1-12 Area New Haven, CT						TURNAROUND TIME			
SIGNATURE		INSPECTOR						x Standard TAT 7-10 Days			
		Mark Kearney/Gregory Kaczynski						Rush TAT Date Needed:			
Lab ID:	SAMPLE ID:	DATE	TIME	TYPE	SAMPLE LOCATION	EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1= caulk/glaze X2= paint, X3=other solid)	Preservative	NOTES
	P60A	2/28/18	1112	X	2ND FL-BLR #2; MEZZ BEAM	X		X	X2	---	
	P60B		1115	X	2ND FL-BLR #5; STAIR RAIL	X				---	
	P60C		1124	X	2ND FL-BLR #12; MEZZ BEAM	X				---	
	P61A		1410	X	2ND FL-CONTROL RM; CMV INT	X				---	
	P61B		1415	X	2ND FL-CONTROL ROOM; CMV INT	X				---	
	P61C		1418	X	2ND FL-CONTROL RM; CMV INT	X				---	
	P62A		1405	X	2ND FL-CONTROL RM; CEILING	X				---	
	P62B		1410	X	2ND FL-CONTROL RM; CEILING	X				---	
	P62C		1408	X	2ND FL-CONTROL RM; CEILING	X				---	
	P63A		1412	X	2ND FL-CONTROL RM; EXT WALL PANEL	X				---	
01	P66B		1420	X	2ND FL-CONTROL RM; EXT WALL PANEL	X				---	

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
<i>Mark Kearney</i>	3/5/18	<i>Frédge</i>	<i>Frédge</i>	3/6/18	<i>Paul Racicot</i>
(Printed)	Time:	(Printed)	(Printed)	Time:	(Printed)
Mark Kearney	1430			9:15	
Remarks: Report to:				Condition upon Receipt:	
Include CT DPH RCP Report				Page 11 of 13	

Reling Paul Racicot
3/6/18 14:40

Mark Kearney 3/6/18 1440 21,290



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CHAIN OF CUSTODY

18C0250

LAB ID #.

PROJECT NUMBER		PROJECT NAME		PARAMETERS		CONTAINERS		TURNAROUND TIME			
263951		English Station - Boiler 1-12 Area New Haven, CT						x Standard TAT 7-10 Days Rush TAT Date Needed:			
SIGNATURE		INSPECTOR									
		Mark Kearney/Gregory Kaczynski									
Lab ID:	SAMPLE ID:	DATE	TIME	TYPE	SAMPLE LOCATION	EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1= caulk/glaze X2= paint, X3=other solid)	Preservative	NOTES
				COMP	GRAB						
02	P63C	2/28/18	1422	X		2nd FI - Cont Rm. - Ext wall (A6L)	X		X2	---	
03	P64A	2/28/18	1425	X		2nd FI - LAC walls	X			---	
04	P64B	2/28/18	1426	X		2nd FI - LAV walls	X			---	
05	P64C	2/28/18	1428	X		2nd FI - LAV walls	X			---	
06	P65A	2/28/18	1030	X		2nd FI - South West (SE)	X			---	
07	P65B	3/1/18	0940	X		Upper area - Winch Rm (NE)	X			---	
08	P65C	3/1/18	1100	X		2nd FI - East wall - Fire box (NE)	X			---	
09	P66A	2/28/18	1430	X		2nd FI - LAV ceiling	X			---	
10	P66B	2/28/18	1432	X		2nd FI - LAV ceiling	X			---	
11	P66C	2/28/18	1434	X		2nd FI - LAV ceiling	X			---	
12	P67A	2/28/18	1442	X		2nd FI - Rest Rm upper wall	X			---	

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	3/5/18			3/6/18	
(Printed)	Time:	(Printed)	(Printed)	Time:	(Printed)
Mark Kearney	1430			9:15	
Remarks: Report to:				Condition upon Receipt:	
Include CT DPH RCP Report				12 Page of 13	

Reling Paul Racié
3/6/18 14:40

Mark 2nd 3/6/18 1440 2.1.2.9.0



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CHAIN OF CUSTODY

18C0250

LAB ID #.

PROJECT NUMBER		PROJECT NAME		PARAMETERS		CONTAINERS		TURNAROUND TIME			
263951		English Station - Boiler 1-12 Area New Haven, CT						x Standard TAT 7-10 Days			
SIGNATURE		INSPECTOR						Rush TAT Date Needed:			
		Mark Kearney/Gregory Kaczynski									
Lab ID:	SAMPLE ID:	DATE	TIME	TYPE	SAMPLE LOCATION	EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1= caulk/glaze X2= paint, X3=other solid)	Preservative	NOTES
13	P67B	2/28/18	1444	X	2nd Fl. Restroom lower wall	X		X	X2	---	
14	P67C	2/28/18	1450	X	2nd Fl. Restroom ceiling	X				---	
15	P68A	3/1/18	1005	X	Upper B.R. Mezz ceiling paint	X				---	
16	P68B	3/1/18	1010	X	Upper B.R. Mezz ceiling Paint	X				---	
17	P68C	3/1/18	1015	X	Upper B.R. Mezz Ceiling Paint	X				---	
				X		X				---	
				X		X				---	
				X		X				---	
				X		X				---	
				X		X				---	
				X		X				---	

Relinquished by: (Signature) 	Date: 3/5/18	Received by: (Signature) Fridge	Relinquished by: (Signature) Fridge	Date: 3/6/18	Received by: (Signature)
(Printed) Mark Kearney	Time: 1430	(Printed) Fridge	(Printed) Fridge	Time: 9:15	(Printed) Fridge
Remarks: Report to: Include CT DPH RCP Report				Condition upon Receipt: Page 13 of 13	

Reling Paul Rancourt
3-6-18 14:40

Mark Kearney 3/6/18 1440 21, 2, 9


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 TRC

Received By SE Date 3/6/18 Time 1440

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

Were samples within Temperature? 2-6°C T By Gun # 577 Actual Temp - 2.1, 2.9
 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 Client T Analysis T Sampler Name T
 pertinent Information? Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified?

Are there Rushes? F Who was notified?

Are there Short Holds? E Who was notified?

Is there enough Volume? T

Is there Headspace where applicable? N/A MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F 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	17
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:

-Received in 2 coolers

Sample has ID of 66B @ 14:20 on COC, label says 63B @ 14:20



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: United Illuminating Company

Project Location: English Station

Project Number: 18C0256

Laboratory Sample ID(s):

18C0256-01 thru 18C0256-17

Sample Date(s):

 02/28/2018,
03/01/2018

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: 03/21/18
Name of Laboratory: Con-Test Analytical Laboratory

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

March 29, 2018

Chris Mocciae
United Illuminating Company
180 Marsh Hill Road
Orange, CT 06477

Project Location: English Station
Client Job Number:
Project Number: 263951
Laboratory Work Order Number: 18C0250

Enclosed are results of analyses for samples received by the laboratory on March 6, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica L. Hoffman
Project Manager

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

United Illuminating Company
180 Marsh Hill Road
Orange, CT 06477
ATTN: Chris Moccia

REPORT DATE: 3/29/2018

PURCHASE ORDER NUMBER: 4500446141

PROJECT NUMBER: 263951

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18C0250

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

PROJECT LOCATION: English Station

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
C1A	18C0250-01	Caulk	2nd fl west mezzanine	SW-846 8082A	
C1B	18C0250-02	Caulk	2nd fl west mezzanine	SW-846 8082A	
C1C	18C0250-03	Caulk	2nd fl west mezzanine	SW-846 8082A	
DWG1A	18C0250-04	Caulk	1st fl SW hall office	SW-846 8082A	
DWG1B	18C0250-05	Caulk	1st fl SW hall west door	SW-846 8082A	
DWG1C	18C0250-06	Caulk	1st fl SW hall door west wall	SW-846 8082A	
WG1A	18C0250-07	Caulk	1st fl storage rm	SW-846 8082A	
WG1B	18C0250-08	Caulk	1st fl storage rm	SW-846 8082A	
WG62A	18C0250-09	Caulk	1st fl BF pump	SW-846 8082A	
WG2B	18C0250-10	Caulk	1st fl BF pump	SW-846 8082A	
WG2C	18C0250-11	Caulk	1st fl BF pump	SW-846 8082A	
WG3A	18C0250-12	Caulk	2nd fl rest rm	SW-846 8082A	
WG3B	18C0250-13	Caulk	2nd fl rest rm	SW-846 8082A	
WG3C	18C0250-14	Caulk	2nd fl rest rm	SW-846 8082A	
WG4A	18C0250-15	Caulk	room above bankers-int dr	SW-846 8082A	
WG4B	18C0250-16	Caulk	room above bankers-int dr	SW-846 8082A	
WG5A	18C0250-17	Caulk	1st fl BF pump area	SW-846 8082A	
WG5B	18C0250-18	Caulk	1st fl BF pump hall	SW-846 8082A	
WG5C	18C0250-19	Caulk	1st fl BF pump hall	SW-846 8082A	
FT2A	18C0250-20	Product/Solid	2nd fl rest rm	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.

REVISED REPORT - 3/29/2018 - 18C250-07 through -19 IDs revised.

REVISED REPORT - 3/28/2018 - 18C0250-04, -05 & -06 IDs revised.

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 gray rectangular background.

Lisa A. Worthington
Project Manager

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

Project Location: English Station

Sample Description: 2nd fl west mezzanine

Work Order: 18C0250

Date Received: 3/6/2018

Field Sample #: C1A

Sampled: 3/1/2018 09:25

Sample ID: 18C0250-01

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.67	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 16:40	KAL
Aroclor-1221 [1]	ND	0.67	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 16:40	KAL
Aroclor-1232 [1]	ND	0.67	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 16:40	KAL
Aroclor-1242 [1]	ND	0.67	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 16:40	KAL
Aroclor-1248 [1]	ND	0.67	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 16:40	KAL
Aroclor-1254 [1]	ND	0.67	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 16:40	KAL
Aroclor-1260 [1]	ND	0.67	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 16:40	KAL
Aroclor-1262 [1]	ND	0.67	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 16:40	KAL
Aroclor-1268 [1]	ND	0.67	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 16:40	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	81.0	30-150						3/15/18 16:40	
Decachlorobiphenyl [2]	79.2	30-150						3/15/18 16:40	
Tetrachloro-m-xylene [1]	82.8	30-150						3/15/18 16:40	
Tetrachloro-m-xylene [2]	90.1	30-150						3/15/18 16:40	

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

Project Location: English Station

Sample Description: 2nd fl west mezzanine

Work Order: 18C0250

Date Received: 3/6/2018

Field Sample #: C1B

Sampled: 3/1/2018 09:25

Sample ID: 18C0250-02

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 16:58	KAL
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 16:58	KAL
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 16:58	KAL
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 16:58	KAL
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 16:58	KAL
Aroclor-1254 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 16:58	KAL
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 16:58	KAL
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 16:58	KAL
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 16:58	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	93.9	30-150							
Decachlorobiphenyl [2]	92.4	30-150							
Tetrachloro-m-xylene [1]	93.5	30-150							
Tetrachloro-m-xylene [2]	100	30-150							

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

Project Location: English Station

Sample Description: 2nd fl west mezzanine

Work Order: 18C0250

Date Received: 3/6/2018

Field Sample #: C1C

Sampled: 3/1/2018 09:28

Sample ID: 18C0250-03

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 17:16	KAL
Aroclor-1221 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 17:16	KAL
Aroclor-1232 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 17:16	KAL
Aroclor-1242 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 17:16	KAL
Aroclor-1248 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 17:16	KAL
Aroclor-1254 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 17:16	KAL
Aroclor-1260 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 17:16	KAL
Aroclor-1262 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 17:16	KAL
Aroclor-1268 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 17:16	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	99.8	30-150							
Decachlorobiphenyl [2]	98.4	30-150							
Tetrachloro-m-xylene [1]	93.7	30-150							
Tetrachloro-m-xylene [2]	102	30-150							

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

Project Location: English Station

Sample Description: 1st fl SW hall office

Work Order: 18C0250

Date Received: 3/6/2018

Field Sample #: DWG1A

Sampled: 2/26/2018 11:10

Sample ID: 18C0250-04

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 17:34	KAL
Aroclor-1221 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 17:34	KAL
Aroclor-1232 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 17:34	KAL
Aroclor-1242 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 17:34	KAL
Aroclor-1248 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 17:34	KAL
Aroclor-1254 [2]	1.1	0.71	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 17:34	KAL
Aroclor-1260 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 17:34	KAL
Aroclor-1262 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 17:34	KAL
Aroclor-1268 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 17:34	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	97.9	30-150							
Decachlorobiphenyl [2]	97.2	30-150							
Tetrachloro-m-xylene [1]	96.5	30-150							
Tetrachloro-m-xylene [2]	104	30-150							

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

Project Location: English Station

Sample Description: 1st fl SW hall west door

Work Order: 18C0250

Date Received: 3/6/2018

Field Sample #: DWG1B

Sampled: 2/26/2018 11:12

Sample ID: 18C0250-05

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 17:52	KAL
Aroclor-1221 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 17:52	KAL
Aroclor-1232 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 17:52	KAL
Aroclor-1242 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 17:52	KAL
Aroclor-1248 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 17:52	KAL
Aroclor-1254 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 17:52	KAL
Aroclor-1260 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 17:52	KAL
Aroclor-1262 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 17:52	KAL
Aroclor-1268 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 17:52	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	111	30-150							
Decachlorobiphenyl [2]	109	30-150							
Tetrachloro-m-xylene [1]	104	30-150							
Tetrachloro-m-xylene [2]	111	30-150							

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

Project Location: English Station

Sample Description: 1st fl SW hall door west wall

Work Order: 18C0250

Date Received: 3/6/2018

Field Sample #: DWG1C

Sampled: 2/26/2018 11:20

Sample ID: 18C0250-06

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 18:10	KAL
Aroclor-1221 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 18:10	KAL
Aroclor-1232 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 18:10	KAL
Aroclor-1242 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 18:10	KAL
Aroclor-1248 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 18:10	KAL
Aroclor-1254 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 18:10	KAL
Aroclor-1260 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 18:10	KAL
Aroclor-1262 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 18:10	KAL
Aroclor-1268 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 18:10	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	93.8	30-150						3/15/18 18:10	
Decachlorobiphenyl [2]	92.2	30-150						3/15/18 18:10	
Tetrachloro-m-xylene [1]	91.7	30-150						3/15/18 18:10	
Tetrachloro-m-xylene [2]	98.2	30-150						3/15/18 18:10	

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

Project Location: English Station

Sample Description: 1st fl storage rm

Work Order: 18C0250

Date Received: 3/6/2018

Field Sample #: WG1A

Sampled: 2/26/2018 10:00

Sample ID: 18C0250-07

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 18:28	KAL
Aroclor-1221 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 18:28	KAL
Aroclor-1232 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 18:28	KAL
Aroclor-1242 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 18:28	KAL
Aroclor-1248 [2]	0.86	0.74	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 18:28	KAL
Aroclor-1254 [2]	ND	0.74	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 18:28	KAL
Aroclor-1260 [1]	0.75	0.74	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 18:28	KAL
Aroclor-1262 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 18:28	KAL
Aroclor-1268 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 18:28	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	86.5	30-150							
Decachlorobiphenyl [2]	84.4	30-150							
Tetrachloro-m-xylene [1]	84.9	30-150							
Tetrachloro-m-xylene [2]	89.5	30-150							

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

Project Location: English Station

Sample Description: 1st fl storage rm

Work Order: 18C0250

Date Received: 3/6/2018

Field Sample #: WG1B

Sampled: 2/26/2018 10:05

Sample ID: 18C0250-08

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 18:46	KAL
Aroclor-1221 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 18:46	KAL
Aroclor-1232 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 18:46	KAL
Aroclor-1242 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 18:46	KAL
Aroclor-1248 [2]	0.97	0.68	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 18:46	KAL
Aroclor-1254 [2]	0.70	0.68	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 18:46	KAL
Aroclor-1260 [1]	0.70	0.68	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 18:46	KAL
Aroclor-1262 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 18:46	KAL
Aroclor-1268 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 18:46	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	99.4	30-150							
Decachlorobiphenyl [2]	96.7	30-150							
Tetrachloro-m-xylene [1]	93.2	30-150							
Tetrachloro-m-xylene [2]	97.1	30-150							

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

Project Location: English Station

Sample Description: 1st fl BF pump

Work Order: 18C0250

Date Received: 3/6/2018

Field Sample #: WG62A

Sampled: 2/26/2018 14:15

Sample ID: 18C0250-09

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 19:04	KAL
Aroclor-1221 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 19:04	KAL
Aroclor-1232 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 19:04	KAL
Aroclor-1242 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 19:04	KAL
Aroclor-1248 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 19:04	KAL
Aroclor-1254 [2]	0.74	0.71	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 19:04	KAL
Aroclor-1260 [2]	0.85	0.71	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 19:04	KAL
Aroclor-1262 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 19:04	KAL
Aroclor-1268 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 19:04	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	123	30-150						3/15/18 19:04	
Decachlorobiphenyl [2]	121	30-150						3/15/18 19:04	
Tetrachloro-m-xylene [1]	118	30-150						3/15/18 19:04	
Tetrachloro-m-xylene [2]	124	30-150						3/15/18 19:04	

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

Project Location: English Station

Sample Description: 1st fl BF pump

Work Order: 18C0250

Date Received: 3/6/2018

Field Sample #: WG2B

Sampled: 2/26/2018 14:20

Sample ID: 18C0250-10

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 19:22	KAL
Aroclor-1221 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 19:22	KAL
Aroclor-1232 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 19:22	KAL
Aroclor-1242 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 19:22	KAL
Aroclor-1248 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 19:22	KAL
Aroclor-1254 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 19:22	KAL
Aroclor-1260 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 19:22	KAL
Aroclor-1262 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 19:22	KAL
Aroclor-1268 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 19:22	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	97.6	30-150							
Decachlorobiphenyl [2]	95.0	30-150							
Tetrachloro-m-xylene [1]	99.2	30-150							
Tetrachloro-m-xylene [2]	105	30-150							

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

Project Location: English Station

Sample Description: 1st fl BF pump

Work Order: 18C0250

Date Received: 3/6/2018

Field Sample #: WG2C

Sampled: 2/26/2018 14:25

Sample ID: 18C0250-11

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.72	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 20:47	KAL
Aroclor-1221 [1]	ND	0.72	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 20:47	KAL
Aroclor-1232 [1]	ND	0.72	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 20:47	KAL
Aroclor-1242 [1]	ND	0.72	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 20:47	KAL
Aroclor-1248 [1]	ND	0.72	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 20:47	KAL
Aroclor-1254 [1]	ND	0.72	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 20:47	KAL
Aroclor-1260 [2]	1.1	0.72	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 20:47	KAL
Aroclor-1262 [1]	ND	0.72	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 20:47	KAL
Aroclor-1268 [1]	ND	0.72	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 20:47	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	103	30-150							
Decachlorobiphenyl [2]	97.5	30-150							
Tetrachloro-m-xylene [1]	96.8	30-150							
Tetrachloro-m-xylene [2]	97.9	30-150							

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

Project Location: English Station

Sample Description: 2nd fl rest rm

Work Order: 18C0250

Date Received: 3/6/2018

Field Sample #: WG3A

Sampled: 2/28/2018 14:52

Sample ID: 18C0250-12

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 21:05	KAL
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 21:05	KAL
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 21:05	KAL
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 21:05	KAL
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 21:05	KAL
Aroclor-1254 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 21:05	KAL
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 21:05	KAL
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 21:05	KAL
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 21:05	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	97.9	30-150							
Decachlorobiphenyl [2]	91.8	30-150							
Tetrachloro-m-xylene [1]	94.0	30-150							
Tetrachloro-m-xylene [2]	93.2	30-150							

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

Project Location: English Station

Sample Description: 2nd fl rest rm

Work Order: 18C0250

Date Received: 3/6/2018

Field Sample #: WG3B

Sampled: 2/28/2018 14:54

Sample ID: 18C0250-13

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.67	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 21:23	KAL
Aroclor-1221 [1]	ND	0.67	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 21:23	KAL
Aroclor-1232 [1]	ND	0.67	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 21:23	KAL
Aroclor-1242 [1]	ND	0.67	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 21:23	KAL
Aroclor-1248 [1]	ND	0.67	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 21:23	KAL
Aroclor-1254 [1]	ND	0.67	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 21:23	KAL
Aroclor-1260 [1]	ND	0.67	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 21:23	KAL
Aroclor-1262 [1]	ND	0.67	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 21:23	KAL
Aroclor-1268 [1]	ND	0.67	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 21:23	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	101	30-150							
Decachlorobiphenyl [2]	94.8	30-150							
Tetrachloro-m-xylene [1]	96.6	30-150							
Tetrachloro-m-xylene [2]	95.6	30-150							

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

Project Location: English Station

Sample Description: 2nd fl rest rm

Work Order: 18C0250

Date Received: 3/6/2018

Field Sample #: WG3C

Sampled: 2/28/2018 14:58

Sample ID: 18C0250-14

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.72	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 21:41	KAL
Aroclor-1221 [1]	ND	0.72	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 21:41	KAL
Aroclor-1232 [1]	ND	0.72	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 21:41	KAL
Aroclor-1242 [1]	ND	0.72	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 21:41	KAL
Aroclor-1248 [1]	ND	0.72	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 21:41	KAL
Aroclor-1254 [1]	ND	0.72	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 21:41	KAL
Aroclor-1260 [1]	ND	0.72	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 21:41	KAL
Aroclor-1262 [1]	ND	0.72	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 21:41	KAL
Aroclor-1268 [1]	ND	0.72	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 21:41	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	95.0	30-150							
Decachlorobiphenyl [2]	89.7	30-150							
Tetrachloro-m-xylene [1]	93.3	30-150							
Tetrachloro-m-xylene [2]	92.8	30-150							

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

Project Location: English Station

Sample Description: room above bankers-int dr

Work Order: 18C0250

Date Received: 3/6/2018

Field Sample #: WG4A

Sampled: 3/1/2018 09:45

Sample ID: 18C0250-15

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 21:59	KAL
Aroclor-1221 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 21:59	KAL
Aroclor-1232 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 21:59	KAL
Aroclor-1242 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 21:59	KAL
Aroclor-1248 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 21:59	KAL
Aroclor-1254 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 21:59	KAL
Aroclor-1260 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 21:59	KAL
Aroclor-1262 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 21:59	KAL
Aroclor-1268 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 21:59	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	99.3	30-150							
Decachlorobiphenyl [2]	94.3	30-150							
Tetrachloro-m-xylene [1]	100	30-150							
Tetrachloro-m-xylene [2]	103	30-150							

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

Project Location: English Station

Sample Description: room above bankers-int dr

Work Order: 18C0250

Date Received: 3/6/2018

Field Sample #: WG4B

Sampled: 3/1/2018 09:50

Sample ID: 18C0250-16

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 22:17	KAL
Aroclor-1221 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 22:17	KAL
Aroclor-1232 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 22:17	KAL
Aroclor-1242 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 22:17	KAL
Aroclor-1248 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 22:17	KAL
Aroclor-1254 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 22:17	KAL
Aroclor-1260 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 22:17	KAL
Aroclor-1262 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 22:17	KAL
Aroclor-1268 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 22:17	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	105	30-150							
Decachlorobiphenyl [2]	98.3	30-150							
Tetrachloro-m-xylene [1]	101	30-150							
Tetrachloro-m-xylene [2]	102	30-150							

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

Project Location: English Station

Sample Description: 1st fl BF pump area

Work Order: 18C0250

Date Received: 3/6/2018

Field Sample #: WG5A

Sampled: 2/26/2018 14:35

Sample ID: 18C0250-17

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 22:35	KAL
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 22:35	KAL
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 22:35	KAL
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 22:35	KAL
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 22:35	KAL
Aroclor-1254 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 22:35	KAL
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 22:35	KAL
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 22:35	KAL
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 22:35	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	85.3	30-150						3/15/18 22:35	
Decachlorobiphenyl [2]	80.1	30-150						3/15/18 22:35	
Tetrachloro-m-xylene [1]	86.4	30-150						3/15/18 22:35	
Tetrachloro-m-xylene [2]	88.3	30-150						3/15/18 22:35	

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

Project Location: English Station

Sample Description: 1st fl BF pump hall

Work Order: 18C0250

Date Received: 3/6/2018

Field Sample #: WG5B

Sampled: 2/26/2018 14:27

Sample ID: 18C0250-18

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 22:53	KAL
Aroclor-1221 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 22:53	KAL
Aroclor-1232 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 22:53	KAL
Aroclor-1242 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 22:53	KAL
Aroclor-1248 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 22:53	KAL
Aroclor-1254 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 22:53	KAL
Aroclor-1260 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 22:53	KAL
Aroclor-1262 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 22:53	KAL
Aroclor-1268 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 22:53	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	106	30-150							
Decachlorobiphenyl [2]	100	30-150							
Tetrachloro-m-xylene [1]	102	30-150							
Tetrachloro-m-xylene [2]	103	30-150							

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Project Location: English Station

Sample Description: 1st fl BF pump hall

Work Order: 18C0250

Date Received: 3/6/2018

Field Sample #: WG5C

Sampled: 2/26/2018 14:40

Sample ID: 18C0250-19

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 23:11	KAL
Aroclor-1221 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 23:11	KAL
Aroclor-1232 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 23:11	KAL
Aroclor-1242 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 23:11	KAL
Aroclor-1248 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 23:11	KAL
Aroclor-1254 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 23:11	KAL
Aroclor-1260 [2]	0.92	0.76	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 23:11	KAL
Aroclor-1262 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 23:11	KAL
Aroclor-1268 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	3/8/18	3/15/18 23:11	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	118	30-150							
Decachlorobiphenyl [2]	111	30-150							
Tetrachloro-m-xylene [1]	111	30-150							
Tetrachloro-m-xylene [2]	110	30-150							

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Project Location: English Station

Sample Description: 2nd fl rest rm

Work Order: 18C0250

Date Received: 3/6/2018

Field Sample #: FT2A

Sampled: 2/28/2018 14:40

Sample ID: 18C0250-20

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	3/6/18	3/13/18 7:53	TG
Aroclor-1221 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	3/6/18	3/13/18 7:53	TG
Aroclor-1232 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	3/6/18	3/13/18 7:53	TG
Aroclor-1242 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	3/6/18	3/13/18 7:53	TG
Aroclor-1248 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	3/6/18	3/13/18 7:53	TG
Aroclor-1254 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	3/6/18	3/13/18 7:53	TG
Aroclor-1260 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	3/6/18	3/13/18 7:53	TG
Aroclor-1262 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	3/6/18	3/13/18 7:53	TG
Aroclor-1268 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	3/6/18	3/13/18 7:53	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	33.6	30-150						3/13/18 7:53	
Decachlorobiphenyl [2]	35.4	30-150						3/13/18 7:53	
Tetrachloro-m-xylene [1]	36.4	30-150						3/13/18 7:53	
Tetrachloro-m-xylene [2]	38.4	30-150						3/13/18 7:53	

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18C0250-01 [C1A]	B198450	0.593	10.0	03/08/18
18C0250-02 [C1B]	B198450	0.509	10.0	03/08/18
18C0250-03 [C1C]	B198450	0.513	10.0	03/08/18
18C0250-04 [DWG1A]	B198450	0.560	10.0	03/08/18
18C0250-05 [DWG1B]	B198450	0.532	10.0	03/08/18
18C0250-06 [DWG1C]	B198450	0.563	10.0	03/08/18
18C0250-07 [WG1A]	B198450	0.540	10.0	03/08/18
18C0250-08 [WG1B]	B198450	0.591	10.0	03/08/18
18C0250-09 [WG62A]	B198450	0.564	10.0	03/08/18
18C0250-10 [WG2B]	B198450	0.543	10.0	03/08/18
18C0250-11 [WG2C]	B198450	0.555	10.0	03/08/18
18C0250-12 [WG3A]	B198450	0.509	10.0	03/08/18
18C0250-13 [WG3B]	B198450	0.597	10.0	03/08/18
18C0250-14 [WG3C]	B198450	0.555	10.0	03/08/18
18C0250-15 [WG4A]	B198450	0.541	10.0	03/08/18
18C0250-16 [WG4B]	B198450	0.573	10.0	03/08/18
18C0250-17 [WG5A]	B198450	0.504	10.0	03/08/18
18C0250-18 [WG5B]	B198450	0.510	10.0	03/08/18
18C0250-19 [WG5C]	B198450	0.527	10.0	03/08/18

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18C0250-20 [FT2A]	B198311	2.17	10.0	03/06/18

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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 B198311 - SW-846 3540C
Blank (B198311-BLK1)

Prepared: 03/06/18 Analyzed: 03/13/18

Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	0.853		mg/Kg	1.00		85.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.904		mg/Kg	1.00		90.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.742		mg/Kg	1.00		74.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.784		mg/Kg	1.00		78.4	30-150			

LCS (B198311-BS1)

Prepared: 03/06/18 Analyzed: 03/13/18

Aroclor-1016	0.84	0.10	mg/Kg	1.00		83.6	40-140			
Aroclor-1016 [2C]	0.91	0.10	mg/Kg	1.00		91.1	40-140			
Aroclor-1260	0.80	0.10	mg/Kg	1.00		80.2	40-140			
Aroclor-1260 [2C]	0.87	0.10	mg/Kg	1.00		87.3	40-140			
Surrogate: Decachlorobiphenyl	0.893		mg/Kg	1.00		89.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.945		mg/Kg	1.00		94.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.717		mg/Kg	1.00		71.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.751		mg/Kg	1.00		75.1	30-150			

LCS Dup (B198311-BSD1)

Prepared: 03/06/18 Analyzed: 03/13/18

Aroclor-1016	0.86	0.10	mg/Kg	1.00		85.8	40-140	2.58	30	
Aroclor-1016 [2C]	0.93	0.10	mg/Kg	1.00		92.7	40-140	1.78	30	
Aroclor-1260	0.79	0.10	mg/Kg	1.00		79.5	40-140	0.947	30	
Aroclor-1260 [2C]	0.86	0.10	mg/Kg	1.00		86.2	40-140	1.24	30	
Surrogate: Decachlorobiphenyl	0.877		mg/Kg	1.00		87.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.928		mg/Kg	1.00		92.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.760		mg/Kg	1.00		76.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.795		mg/Kg	1.00		79.5	30-150			

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QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B198450 - SW-846 3540C
Blank (B198450-BLK1)

Prepared: 03/08/18 Analyzed: 03/15/18

Aroclor-1016	ND	0.18	mg/Kg							
Aroclor-1016 [2C]	ND	0.18	mg/Kg							
Aroclor-1221	ND	0.18	mg/Kg							
Aroclor-1221 [2C]	ND	0.18	mg/Kg							
Aroclor-1232	ND	0.18	mg/Kg							
Aroclor-1232 [2C]	ND	0.18	mg/Kg							
Aroclor-1242	ND	0.18	mg/Kg							
Aroclor-1242 [2C]	ND	0.18	mg/Kg							
Aroclor-1248	ND	0.18	mg/Kg							
Aroclor-1248 [2C]	ND	0.18	mg/Kg							
Aroclor-1254	ND	0.18	mg/Kg							
Aroclor-1254 [2C]	ND	0.18	mg/Kg							
Aroclor-1260	ND	0.18	mg/Kg							
Aroclor-1260 [2C]	ND	0.18	mg/Kg							
Aroclor-1262	ND	0.18	mg/Kg							
Aroclor-1262 [2C]	ND	0.18	mg/Kg							
Aroclor-1268	ND	0.18	mg/Kg							
Aroclor-1268 [2C]	ND	0.18	mg/Kg							
Surrogate: Decachlorobiphenyl	3.32		mg/Kg	3.56		93.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.25		mg/Kg	3.56		91.3	30-150			
Surrogate: Tetrachloro-m-xylene	3.01		mg/Kg	3.56		84.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.03		mg/Kg	3.56		85.2	30-150			

LCS (B198450-BS1)

Prepared: 03/08/18 Analyzed: 03/15/18

Aroclor-1016	2.7	0.18	mg/Kg	3.52		77.2	40-140			
Aroclor-1016 [2C]	2.5	0.18	mg/Kg	3.52		71.0	40-140			
Aroclor-1260	2.5	0.18	mg/Kg	3.52		72.2	40-140			
Aroclor-1260 [2C]	2.5	0.18	mg/Kg	3.52		70.5	40-140			
Surrogate: Decachlorobiphenyl	3.11		mg/Kg	3.52		88.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.06		mg/Kg	3.52		86.9	30-150			
Surrogate: Tetrachloro-m-xylene	2.90		mg/Kg	3.52		82.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	2.93		mg/Kg	3.52		83.4	30-150			

LCS Dup (B198450-BSD1)

Prepared: 03/08/18 Analyzed: 03/15/18

Aroclor-1016	2.7	0.18	mg/Kg	3.53		76.4	40-140	0.618	30	
Aroclor-1016 [2C]	2.4	0.18	mg/Kg	3.53		67.9	40-140	3.96	30	
Aroclor-1260	2.5	0.18	mg/Kg	3.53		70.6	40-140	1.75	30	
Aroclor-1260 [2C]	2.4	0.18	mg/Kg	3.53		66.7	40-140	5.22	30	
Surrogate: Decachlorobiphenyl	3.06		mg/Kg	3.53		86.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.01		mg/Kg	3.53		85.2	30-150			
Surrogate: Tetrachloro-m-xylene	2.89		mg/Kg	3.53		81.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	2.94		mg/Kg	3.53		83.3	30-150			

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****DW61A***SW-846 8082A*

Lab Sample ID: 18C0250-04 Date(s) Analyzed: 03/15/2018 03/15/2018
Instrument ID (1): _____ Instrument ID (2): _____
GC Column (1): _____ ID: _____ (mm) GC Column (2): _____ ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.82	
	2	0.000	0.000	0.000	1.1	28.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

W61A

Lab Sample ID: 18C0250-07 Date(s) Analyzed: 03/15/2018 03/15/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.84	
	2	0.000	0.000	0.000	0.86	2.4
Aroclor-1260	1	0.000	0.000	0.000	0.75	
	2	0.000	0.000	0.000	0.75	0.0

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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***W61B**Lab Sample ID: 18C0250-08 Date(s) Analyzed: 03/15/2018 03/15/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.92	
	2	0.000	0.000	0.000	0.97	5.3

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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***W62A**Lab Sample ID: 18C0250-09 Date(s) Analyzed: 03/15/2018 03/15/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.79	
	2	0.000	0.000	0.000	0.85	7.3

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***W62C**Lab Sample ID: 18C0250-11 Date(s) Analyzed: 03/15/2018 03/15/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	1.1	
	2	0.000	0.000	0.000	1.1	0.0

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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****W65C***SW-846 8082A*Lab Sample ID: 18C0250-19 Date(s) Analyzed: 03/15/2018 03/15/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.90	
	2	0.000	0.000	0.000	0.92	2.2

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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 is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
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.

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
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	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
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



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Edition: September 2007
Supersede Previous Edition

CHAIN OF CUSTODY

18C0250

LAB ID #.

PROJECT NUMBER		PROJECT NAME		PARAMETERS		CONTAINERS		TURNAROUND TIME			
263951		English Station - Boiler 1-12 Area New Haven, CT						x	Standard TAT 7-10 Days		
SIGNATURE		INSPECTOR							Rush TAT		
		Mark Kearney/Gregory Kaczynski							Date Needed:		
Lab ID:	SAMPLE ID:	DATE	TIME	TYPE	SAMPLE LOCATION	EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1= caulk/glaze X2= paint, X3=other solid)	Preservative	NOTES
01	CIA	3/1/18	0925	X	2nd Fl West Mezzanine	X		X	X1	---	CIA-Thick caulk on flange tank
02	CIB	3/1/18	0925	X	2nd Fl West Mezzanine	X		X	X1	---	CIB-Caulk on tank seams
03	CIC	3/1/18	0928	X	2nd Fl West Mezzanine	X		X	X1	---	CIC-Caulk on tank seams
04	DWG1A	2/26/18	1110	X	1st Fl. SW Hall off ice	X			X1	---	DWG1A
05	DWG1B	2/26/18	1112	X	1st Fl. SW Hall West door	X			X1	---	DWG1B
06	DWG1C	2/26/18	1120	X	1st Fl. SW Hall door west wall	X			X1	---	DWG1C
07	WG1A	2/26/18	1000	X	1st Fl. Storage Rm	X			X1	---	WG1A
08	WG1B	2/26/18	1005	X	1st Fl. Storage Rm	X			X1	---	WG1B
09	WG1A	2/26/18	1415	X	1st Fl - BF pump	X			X1	---	WG1A
10	WG2B	2/26/18	1420	X	1st Fl - BF pump	X			X1	---	WG2B
11	WG2C	2/26/18	1425	X	1st Fl - BF pump	X			X1	---	WG2C

Relinquished by: (Signature) 	Date: 3/5/18	Received by: (Signature) 	Date: 3/6/18	Relinquished by: (Signature) 	Date: 3/6/18	Received by: (Signature) 	Date: 3/6/18
(Printed) Mark Kearney	Time: 11:30	(Printed)		(Printed)		(Printed)	
Remarks: Report to: Include CT DPH RCP Report				Condition upon Receipt:		Page of 13	



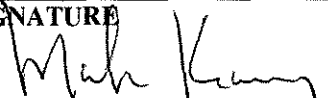
21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

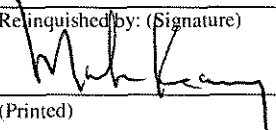
Edition: September 2007
Supersede Previous Edition

CHAIN OF CUSTODY

18C0230

LAB ID #.

PROJECT NUMBER				PROJECT NAME				PARAMETERS	CONTAINERS				TURNAROUND TIME	
263951				English Station - Boiler 1-12 Area New Haven, CT									x	Standard TAT 7-10 Days
SIGNATURE				INSPECTOR									Rush TAT	Date Needed:
				Mark Kearney/Gregory Kaczynski										
Lab ID:	SAMPLE ID:	DATE	TIME	TYPE		SAMPLE LOCATION	EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1= caulk/glaze X2= paint, X3=other solid)	Preservative	NOTES		
				COMP	GRAB									
12	W63A	2/28/18	1452		X	2 nd Fl- Rest Rm.	X		X	X1	---	W63A		
13	W63B	2/28/18	1454		X	2 nd Fl- Rest Rm.	X			X1	---	W63B		
14	W63C	2/28/18	1458		X	2 nd Fl- Rest Rm.	X			X1	---	W63C		
15	W64A	3/1/18	0945		X	Room above bunkers - int dr.	X			X1	---	W64A		
16	W64B	3/1/18	0950		X	Room above bunkers - int dr.	X			X1	---	W64B		
17	W65A	2/26/18	1435		X	1 st Fl-BF pump area	X			X1	---	W65A		
18	W65B	2/26/18	1427		X	1 st Fl-BF pump back	X			X1	---	W65B		
19	W65C	2/26/18	1440		X	1 st Fl-BF pump wall	X			X1	---	W65C		
20	FT2A	2/28/18	1440		X	2 nd Fl- Rest Rm.	X			X3	---	FT2A		
	FT2B	2/28/18	1310		X	2 nd Fl- Rest Rm.	X			X3	---	FT2B		
	FT2C	2/28/18	1515		X	2 nd Fl- Rest Rm.	X			X3	---	FT2C		

Relinquished by: (Signature) 	Date: 3/5/18	Received by: (Signature) Fridge	Relinquished by: (Signature) Fridge	Date: 3/6/18 9:13	Received by: (Signature) Paul Rancourt
(Printed) Mark Kearney	Time: 1430	(Printed)	(Printed)	Time:	(Printed)
Remarks: Report to: Include CT DPH RCP Report				Condition upon Receipt: Page 2 of 13	

Relinquished by: Paul Rancourt
3/6/18 14:00

Run at 3/6/18 1440 2.1.2.9


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 TRCReceived By SE Date 3/6/18 Time 1440
 How were the samples received? In Cooler _____ No Cooler _____ On Ice _____ No Ice _____
 Direct from Sampling _____ Ambient _____ Melted Ice _____

 Were samples within Temperature? 2-6°C T By Gun # 577 Actual Temp - 2.1, 2.9
 By Blank # _____ Actual Temp - _____
Was Custody Seal Intact? N/A Were Samples Tampered with? N/AWas COC Relinquished? T Does Chain Agree With Samples? TAre there broken/leaking/loose caps on any samples? FIs COC in ink/ Legible? T Were samples received within holding time? TDid COC include all Client T Analysis T Sampler Name Tpertinent Information? Project T ID's T Collection Dates/Times TAre Sample labels filled out and legible? TAre there Lab to Filters? F Who was notified? _____Are there Rushes? F Who was notified? _____Are there Short Holds? F Who was notified? _____Is there enough Volume? TIs there Headspace where applicable? N/A MS/MSD? FProper Media/Containers Used? T Is splitting samples required? FWere trip blanks received? F On COC? N/ADo 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	<u>20</u>
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:

-Received in 2 coolers



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: United Illuminating Company

Project Location: English Station

Project Number: 18C0250

Laboratory Sample ID(s):

18C0250-01 thru 18C0250-20

Sample Date(s):

02/26/2018,

02/28/2018,

03/01/2018

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: Project Manager
Printed Name: Lisa A. Worthington
Date: 03/16/18
Name of Laboratory: Con-Test Analytical Laboratory

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

April 6, 2018

Chris Mocciaie
United Illuminating Company
180 Marsh Hill Road
Orange, CT 06477

Project Location: English Station-Boiler 1-12 Area, New Haven, CT
Client Job Number:
Project Number: 263951
Laboratory Work Order Number: 18C1247

Enclosed are results of analyses for samples received by the laboratory on March 30, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica L. Hoffman
Project Manager

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

United Illuminating Company
180 Marsh Hill Road
Orange, CT 06477
ATTN: Chris Moccia

REPORT DATE: 4/6/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 263951

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18C1247

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

PROJECT LOCATION: English Station-Boiler 1-12 Area, New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
P5I	18C1247-01	Paint	1st Floor-Fan Room-West Wall	SW-846 8082A	
P5J	18C1247-02	Paint	1st Floor-Fan Room-West Wall	SW-846 8082A	
P5K	18C1247-03	Paint	1st Floor-Fan Room-East Wall	SW-846 8082A	
P5L	18C1247-04	Paint	1st Floor-Fan Room-East Wall	SW-846 8082A	
P5M	18C1247-05	Paint	1st Floor-Fan Room-West Wall	SW-846 8082A	
P5N	18C1247-06	Paint	1st Floor-Fan Room-East Wall	SW-846 8082A	
P21D	18C1247-07	Paint	1st Floor-Fan Room-West Wall	SW-846 8082A	
P21E	18C1247-08	Paint	1st Floor-Fan Room-East Wall	SW-846 8082A	
P21F	18C1247-09	Paint	1st Floor-Fan Room-East Wall	SW-846 8082A	
01A	18C1247-10	Product/Solid	1st Floor-Fan Room-East Wall	SW-846 8082A	

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CASE NARRATIVE SUMMARY

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

SW-846 8082A

Qualifications:

P-02

Sample RPD between primary and confirmatory analysis exceeded 40%. Per EPA method 8000, the lower value was reported due to obvious chromatographic interference on the column with the higher result.

Analyte & Samples(s) Qualified:

Aroclor-1248

18C1247-08[P21E]

Aroclor-1254

18C1247-04[P5L], 18C1247-08[P21E]

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 gray rectangular background.

Lisa A. Worthington
Project Manager

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Floor-Fan Room-West Wall

Work Order: 18C1247

Date Received: 3/30/2018

Field Sample #: P51

Sampled: 3/28/2018 11:10

Sample ID: 18C1247-01

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 2:47	TG
Aroclor-1221 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 2:47	TG
Aroclor-1232 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 2:47	TG
Aroclor-1242 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 2:47	TG
Aroclor-1248 [2]	0.96	0.50	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 2:47	TG
Aroclor-1254 [1]	2.8	0.50	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 2:47	TG
Aroclor-1260 [1]	4.0	0.50	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 2:47	TG
Aroclor-1262 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 2:47	TG
Aroclor-1268 [1]	3.0	0.50	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 2:47	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	98.7	30-150						4/4/18 2:47	
Decachlorobiphenyl [2]	91.8	30-150						4/4/18 2:47	
Tetrachloro-m-xylene [1]	91.6	30-150						4/4/18 2:47	
Tetrachloro-m-xylene [2]	85.4	30-150						4/4/18 2:47	

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Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Floor-Fan Room-West Wall

Work Order: 18C1247

Date Received: 3/30/2018

Field Sample #: P5J

Sampled: 3/28/2018 11:15

Sample ID: 18C1247-02

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.9	mg/Kg	20		SW-846 8082A	4/2/18	4/4/18 3:04	TG
Aroclor-1221 [1]	ND	9.9	mg/Kg	20		SW-846 8082A	4/2/18	4/4/18 3:04	TG
Aroclor-1232 [1]	ND	9.9	mg/Kg	20		SW-846 8082A	4/2/18	4/4/18 3:04	TG
Aroclor-1242 [1]	ND	9.9	mg/Kg	20		SW-846 8082A	4/2/18	4/4/18 3:04	TG
Aroclor-1248 [2]	ND	9.9	mg/Kg	20		SW-846 8082A	4/2/18	4/4/18 3:04	TG
Aroclor-1254 [1]	120	9.9	mg/Kg	20		SW-846 8082A	4/2/18	4/4/18 3:04	TG
Aroclor-1260 [1]	110	9.9	mg/Kg	20		SW-846 8082A	4/2/18	4/4/18 3:04	TG
Aroclor-1262 [1]	ND	9.9	mg/Kg	20		SW-846 8082A	4/2/18	4/4/18 3:04	TG
Aroclor-1268 [1]	79	9.9	mg/Kg	20		SW-846 8082A	4/2/18	4/4/18 3:04	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	67.8	30-150						4/4/18 3:04	
Decachlorobiphenyl [2]	64.2	30-150						4/4/18 3:04	
Tetrachloro-m-xylene [1]	59.1	30-150						4/4/18 3:04	
Tetrachloro-m-xylene [2]	56.6	30-150						4/4/18 3:04	

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Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Floor-Fan Room-East Wall

Work Order: 18C1247

Date Received: 3/30/2018

Field Sample #: P5K

Sampled: 3/28/2018 11:28

Sample ID: 18C1247-03

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 3:22	TG
Aroclor-1221 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 3:22	TG
Aroclor-1232 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 3:22	TG
Aroclor-1242 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 3:22	TG
Aroclor-1248 [1]	1.2	0.48	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 3:22	TG
Aroclor-1254 [2]	2.2	0.48	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 3:22	TG
Aroclor-1260 [1]	2.1	0.48	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 3:22	TG
Aroclor-1262 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 3:22	TG
Aroclor-1268 [1]	0.92	0.48	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 3:22	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	97.3	30-150						4/4/18 3:22	
Decachlorobiphenyl [2]	90.8	30-150						4/4/18 3:22	
Tetrachloro-m-xylene [1]	91.4	30-150						4/4/18 3:22	
Tetrachloro-m-xylene [2]	85.2	30-150						4/4/18 3:22	

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Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Floor-Fan Room-East Wall

Work Order: 18C1247

Date Received: 3/30/2018

Field Sample #: P5L

Sampled: 3/28/2018 11:35

Sample ID: 18C1247-04

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 3:40	TG
Aroclor-1221 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 3:40	TG
Aroclor-1232 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 3:40	TG
Aroclor-1242 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 3:40	TG
Aroclor-1248 [2]	2.4	0.49	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 3:40	TG
Aroclor-1254 [1]	4.5	0.49	mg/Kg	1	P-02	SW-846 8082A	4/2/18	4/4/18 3:40	TG
Aroclor-1260 [1]	4.6	0.49	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 3:40	TG
Aroclor-1262 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 3:40	TG
Aroclor-1268 [1]	1.2	0.49	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 3:40	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	90.1	30-150						4/4/18 3:40	
Decachlorobiphenyl [2]	104	30-150						4/4/18 3:40	
Tetrachloro-m-xylene [1]	83.2	30-150						4/4/18 3:40	
Tetrachloro-m-xylene [2]	76.6	30-150						4/4/18 3:40	

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Floor-Fan Room-West Wall

Work Order: 18C1247

Date Received: 3/30/2018

Field Sample #: P5M

Sampled: 3/28/2018 12:00

Sample ID: 18C1247-05

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 3:57	TG
Aroclor-1221 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 3:57	TG
Aroclor-1232 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 3:57	TG
Aroclor-1242 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 3:57	TG
Aroclor-1248 [2]	0.79	0.48	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 3:57	TG
Aroclor-1254 [1]	1.9	0.48	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 3:57	TG
Aroclor-1260 [1]	3.1	0.48	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 3:57	TG
Aroclor-1262 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 3:57	TG
Aroclor-1268 [1]	1.3	0.48	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 3:57	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	105	30-150						4/4/18 3:57	
Decachlorobiphenyl [2]	97.7	30-150						4/4/18 3:57	
Tetrachloro-m-xylene [1]	97.1	30-150						4/4/18 3:57	
Tetrachloro-m-xylene [2]	89.9	30-150						4/4/18 3:57	

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Floor-Fan Room-Eadt Wall

Work Order: 18C1247

Date Received: 3/30/2018

Field Sample #: P5N

Sampled: 3/28/2018 12:05

Sample ID: 18C1247-06

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 4:15	TG
Aroclor-1221 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 4:15	TG
Aroclor-1232 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 4:15	TG
Aroclor-1242 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 4:15	TG
Aroclor-1248 [2]	1.0	0.49	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 4:15	TG
Aroclor-1254 [1]	2.6	0.49	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 4:15	TG
Aroclor-1260 [1]	4.0	0.49	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 4:15	TG
Aroclor-1262 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 4:15	TG
Aroclor-1268 [1]	1.2	0.49	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 4:15	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	101	30-150						4/4/18 4:15	
Decachlorobiphenyl [2]	93.9	30-150						4/4/18 4:15	
Tetrachloro-m-xylene [1]	94.0	30-150						4/4/18 4:15	
Tetrachloro-m-xylene [2]	86.1	30-150						4/4/18 4:15	

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Floor-Fan Room-West Wall

Work Order: 18C1247

Date Received: 3/30/2018

Field Sample #: P21D

Sampled: 3/28/2018 11:25

Sample ID: 18C1247-07

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 4:33	TG
Aroclor-1221 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 4:33	TG
Aroclor-1232 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 4:33	TG
Aroclor-1242 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 4:33	TG
Aroclor-1248 [2]	1.3	0.49	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 4:33	TG
Aroclor-1254 [1]	1.6	0.49	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 4:33	TG
Aroclor-1260 [1]	2.9	0.49	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 4:33	TG
Aroclor-1262 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 4:33	TG
Aroclor-1268 [1]	1.8	0.49	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 4:33	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	93.2	30-150						4/4/18 4:33	
Decachlorobiphenyl [2]	88.0	30-150						4/4/18 4:33	
Tetrachloro-m-xylene [1]	90.4	30-150						4/4/18 4:33	
Tetrachloro-m-xylene [2]	82.6	30-150						4/4/18 4:33	

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Floor-Fan Room-East Wall

Work Order: 18C1247

Date Received: 3/30/2018

Field Sample #: P21E

Sampled: 3/28/2018 11:48

Sample ID: 18C1247-08

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 4:50	TG
Aroclor-1221 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 4:50	TG
Aroclor-1232 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 4:50	TG
Aroclor-1242 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 4:50	TG
Aroclor-1248 [1]	1.1	0.50	mg/Kg	1	P-02	SW-846 8082A	4/2/18	4/4/18 4:50	TG
Aroclor-1254 [1]	2.7	0.50	mg/Kg	1	P-02	SW-846 8082A	4/2/18	4/4/18 4:50	TG
Aroclor-1260 [1]	3.5	0.50	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 4:50	TG
Aroclor-1262 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 4:50	TG
Aroclor-1268 [1]	1.4	0.50	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 4:50	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	99.9	30-150						4/4/18 4:50	
Decachlorobiphenyl [2]	94.7	30-150						4/4/18 4:50	
Tetrachloro-m-xylene [1]	94.2	30-150						4/4/18 4:50	
Tetrachloro-m-xylene [2]	86.3	30-150						4/4/18 4:50	

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Floor-Fan Room-East Wall

Work Order: 18C1247

Date Received: 3/30/2018

Field Sample #: P21F

Sampled: 3/28/2018 11:55

Sample ID: 18C1247-09

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 5:08	TG
Aroclor-1221 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 5:08	TG
Aroclor-1232 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 5:08	TG
Aroclor-1242 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 5:08	TG
Aroclor-1248 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 5:08	TG
Aroclor-1254 [2]	0.76	0.50	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 5:08	TG
Aroclor-1260 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 5:08	TG
Aroclor-1262 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 5:08	TG
Aroclor-1268 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	4/2/18	4/4/18 5:08	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	90.7	30-150						4/4/18 5:08	
Decachlorobiphenyl [2]	86.0	30-150						4/4/18 5:08	
Tetrachloro-m-xylene [1]	84.4	30-150						4/4/18 5:08	
Tetrachloro-m-xylene [2]	78.4	30-150						4/4/18 5:08	

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Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Floor-Fan Room-East Wall

Work Order: 18C1247

Date Received: 3/30/2018

Field Sample #: 01A

Sampled: 3/28/2018 11:40

Sample ID: 18C1247-10

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/3/18	4/5/18 12:07	WAL
Aroclor-1221 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/3/18	4/5/18 12:07	WAL
Aroclor-1232 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/3/18	4/5/18 12:07	WAL
Aroclor-1242 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/3/18	4/5/18 12:07	WAL
Aroclor-1248 [2]	3.7	0.93	mg/Kg	10		SW-846 8082A	4/3/18	4/5/18 12:07	WAL
Aroclor-1254 [2]	5.1	0.93	mg/Kg	10		SW-846 8082A	4/3/18	4/5/18 12:07	WAL
Aroclor-1260 [2]	4.4	0.93	mg/Kg	10		SW-846 8082A	4/3/18	4/5/18 12:07	WAL
Aroclor-1262 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/3/18	4/5/18 12:07	WAL
Aroclor-1268 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/3/18	4/5/18 12:07	WAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	94.4	30-150						4/5/18 12:07	
Decachlorobiphenyl [2]	99.9	30-150						4/5/18 12:07	
Tetrachloro-m-xylene [1]	98.3	30-150						4/5/18 12:07	
Tetrachloro-m-xylene [2]	103	30-150						4/5/18 12:07	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18C1247-01 [P5I]	B199999	0.201	10.0	04/02/18
18C1247-02 [P5J]	B199999	0.202	10.0	04/02/18
18C1247-03 [P5K]	B199999	0.210	10.0	04/02/18
18C1247-04 [P5L]	B199999	0.205	10.0	04/02/18
18C1247-05 [P5M]	B199999	0.207	10.0	04/02/18
18C1247-06 [P5N]	B199999	0.206	10.0	04/02/18
18C1247-07 [P21D]	B199999	0.204	10.0	04/02/18
18C1247-08 [P21E]	B199999	0.201	10.0	04/02/18
18C1247-09 [P21F]	B199999	0.201	10.0	04/02/18

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18C1247-10 [01A]	B200111	2.16	10.0	04/03/18

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

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 B199999 - SW-846 3540C
Blank (B199999-BLK1)

Prepared: 04/02/18 Analyzed: 04/04/18

Aroclor-1016	ND	0.48	mg/Kg							
Aroclor-1016 [2C]	ND	0.48	mg/Kg							
Aroclor-1221	ND	0.48	mg/Kg							
Aroclor-1221 [2C]	ND	0.48	mg/Kg							
Aroclor-1232	ND	0.48	mg/Kg							
Aroclor-1232 [2C]	ND	0.48	mg/Kg							
Aroclor-1242	ND	0.48	mg/Kg							
Aroclor-1242 [2C]	ND	0.48	mg/Kg							
Aroclor-1248	ND	0.48	mg/Kg							
Aroclor-1248 [2C]	ND	0.48	mg/Kg							
Aroclor-1254	ND	0.48	mg/Kg							
Aroclor-1254 [2C]	ND	0.48	mg/Kg							
Aroclor-1260	ND	0.48	mg/Kg							
Aroclor-1260 [2C]	ND	0.48	mg/Kg							
Aroclor-1262	ND	0.48	mg/Kg							
Aroclor-1262 [2C]	ND	0.48	mg/Kg							
Aroclor-1268	ND	0.48	mg/Kg							
Aroclor-1268 [2C]	ND	0.48	mg/Kg							
Surrogate: Decachlorobiphenyl	9.40		mg/Kg	9.60		97.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	9.10		mg/Kg	9.60		94.8	30-150			
Surrogate: Tetrachloro-m-xylene	8.60		mg/Kg	9.60		89.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	8.10		mg/Kg	9.60		84.4	30-150			

LCS (B199999-BS1)

Prepared: 04/02/18 Analyzed: 04/04/18

Aroclor-1016	2.4	0.49	mg/Kg	2.44		97.2	40-140			
Aroclor-1016 [2C]	2.1	0.49	mg/Kg	2.44		85.1	40-140			
Aroclor-1260	2.4	0.49	mg/Kg	2.44		100	40-140			
Aroclor-1260 [2C]	2.2	0.49	mg/Kg	2.44		88.9	40-140			
Surrogate: Decachlorobiphenyl	10.2		mg/Kg	9.78		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	9.80		mg/Kg	9.78		100	30-150			
Surrogate: Tetrachloro-m-xylene	9.35		mg/Kg	9.78		95.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	8.86		mg/Kg	9.78		90.7	30-150			

LCS Dup (B199999-BSD1)

Prepared: 04/02/18 Analyzed: 04/04/18

Aroclor-1016	2.5	0.49	mg/Kg	2.47		99.2	40-140	3.20	30	
Aroclor-1016 [2C]	2.4	0.49	mg/Kg	2.47		96.6	40-140	13.8	30	
Aroclor-1260	2.4	0.49	mg/Kg	2.47		97.0	40-140	2.14	30	
Aroclor-1260 [2C]	2.1	0.49	mg/Kg	2.47		86.3	40-140	1.86	30	
Surrogate: Decachlorobiphenyl	9.67		mg/Kg	9.89		97.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	9.32		mg/Kg	9.89		94.2	30-150			
Surrogate: Tetrachloro-m-xylene	8.90		mg/Kg	9.89		90.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	8.55		mg/Kg	9.89		86.5	30-150			

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

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 B200111 - SW-846 3540C
Blank (B200111-BLK1)

Prepared: 04/03/18 Analyzed: 04/05/18

Aroclor-1016	ND	0.079	mg/Kg							
Aroclor-1016 [2C]	ND	0.079	mg/Kg							
Aroclor-1221	ND	0.079	mg/Kg							
Aroclor-1221 [2C]	ND	0.079	mg/Kg							
Aroclor-1232	ND	0.079	mg/Kg							
Aroclor-1232 [2C]	ND	0.079	mg/Kg							
Aroclor-1242	ND	0.079	mg/Kg							
Aroclor-1242 [2C]	ND	0.079	mg/Kg							
Aroclor-1248	ND	0.079	mg/Kg							
Aroclor-1248 [2C]	ND	0.079	mg/Kg							
Aroclor-1254	ND	0.079	mg/Kg							
Aroclor-1254 [2C]	ND	0.079	mg/Kg							
Aroclor-1260	ND	0.079	mg/Kg							
Aroclor-1260 [2C]	ND	0.079	mg/Kg							
Aroclor-1262	ND	0.079	mg/Kg							
Aroclor-1262 [2C]	ND	0.079	mg/Kg							
Aroclor-1268	ND	0.079	mg/Kg							
Aroclor-1268 [2C]	ND	0.079	mg/Kg							
Surrogate: Decachlorobiphenyl	0.617		mg/Kg	0.787		78.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.656		mg/Kg	0.787		83.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.683		mg/Kg	0.787		86.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.692		mg/Kg	0.787		87.9	30-150			

LCS (B200111-BS1)

Prepared: 04/03/18 Analyzed: 04/05/18

Aroclor-1016	0.77	0.095	mg/Kg	0.952		80.9	40-140			
Aroclor-1016 [2C]	0.82	0.095	mg/Kg	0.952		86.5	40-140			
Aroclor-1260	0.75	0.095	mg/Kg	0.952		79.2	40-140			
Aroclor-1260 [2C]	0.75	0.095	mg/Kg	0.952		78.8	40-140			
Surrogate: Decachlorobiphenyl	0.776		mg/Kg	0.952		81.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.825		mg/Kg	0.952		86.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.790		mg/Kg	0.952		82.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.814		mg/Kg	0.952		85.5	30-150			

LCS Dup (B200111-BSD1)

Prepared: 04/03/18 Analyzed: 04/05/18

Aroclor-1016	0.75	0.086	mg/Kg	0.862		87.5	40-140	2.15	30	
Aroclor-1016 [2C]	0.80	0.086	mg/Kg	0.862		92.6	40-140	3.14	30	
Aroclor-1260	0.74	0.086	mg/Kg	0.862		85.3	40-140	2.60	30	
Aroclor-1260 [2C]	0.73	0.086	mg/Kg	0.862		85.2	40-140	2.21	30	
Surrogate: Decachlorobiphenyl	0.763		mg/Kg	0.862		88.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.814		mg/Kg	0.862		94.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.779		mg/Kg	0.862		90.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.805		mg/Kg	0.862		93.4	30-150			

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P5I

Lab Sample ID: 18C1247-01 Date(s) Analyzed: 04/04/2018 04/04/2018
Instrument ID (1): ECD4 Instrument ID (2): ECD4
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.87	
	2	0.000	0.000	0.000	0.96	9.8
Aroclor-1254	1	0.000	0.000	0.000	2.8	
	2	0.000	0.000	0.000	2.3	19.6
Aroclor-1260	1	0.000	0.000	0.000	4.0	
	2	0.000	0.000	0.000	3.5	13.3
Aroclor-1268	1	0.000	0.000	0.000	3.0	
	2	0.000	0.000	0.000	2.7	10.5

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P5J

Lab Sample ID: 18C1247-02 Date(s) Analyzed: 04/04/2018 04/04/2018
Instrument ID (1): ECD4 Instrument ID (2): ECD4
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	120	
	2	0.000	0.000	0.000	100	18.2
Aroclor-1260	1	0.000	0.000	0.000	110	
	2	0.000	0.000	0.000	98	11.5
Aroclor-1268	1	0.000	0.000	0.000	79	
	2	0.000	0.000	0.000	77	3.8

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P5K

Lab Sample ID: 18C1247-03 Date(s) Analyzed: 04/04/2018 04/04/2018
Instrument ID (1): ECD4 Instrument ID (2): ECD4
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	1.2	
	2	0.000	0.000	0.000	1.2	0.0
Aroclor-1254	1	0.000	0.000	0.000	1.5	
	2	0.000	0.000	0.000	2.2	37.8
Aroclor-1260	1	0.000	0.000	0.000	2.1	
	2	0.000	0.000	0.000	1.8	15.4
Aroclor-1268	1	0.000	0.000	0.000	0.92	
	2	0.000	0.000	0.000	0.73	23.0

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P5L

Lab Sample ID: 18C1247-04 Date(s) Analyzed: 04/04/2018 04/04/2018
Instrument ID (1): ECD4 Instrument ID (2): ECD4
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	2.2	
	2	0.000	0.000	0.000	2.4	8.7
Aroclor-1254	1	0.000	0.000	0.000	4.5	
	2	0.000	0.000	0.000	7.1	44.8
Aroclor-1260	1	0.000	0.000	0.000	4.6	
	2	0.000	0.000	0.000	4.0	14.0
Aroclor-1268	1	0.000	0.000	0.000	1.2	
	2	0.000	0.000	0.000	1.1	8.7

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P5M

Lab Sample ID: 18C1247-05 Date(s) Analyzed: 04/04/2018 04/04/2018
Instrument ID (1): ECD4 Instrument ID (2): ECD4
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.62	
	2	0.000	0.000	0.000	0.79	24.1
Aroclor-1254	1	0.000	0.000	0.000	1.9	
	2	0.000	0.000	0.000	1.9	0.0
Aroclor-1260	1	0.000	0.000	0.000	3.1	
	2	0.000	0.000	0.000	2.4	25.5
Aroclor-1268	1	0.000	0.000	0.000	1.3	
	2	0.000	0.000	0.000	0.91	35.3

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P5N

Lab Sample ID: 18C1247-06 Date(s) Analyzed: 04/04/2018 04/04/2018
Instrument ID (1): ECD4 Instrument ID (2): ECD4
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.86	
	2	0.000	0.000	0.000	1.0	15.1
Aroclor-1254	1	0.000	0.000	0.000	2.6	
	2	0.000	0.000	0.000	2.1	21.3
Aroclor-1260	1	0.000	0.000	0.000	4.0	
	2	0.000	0.000	0.000	3.2	22.2
Aroclor-1268	1	0.000	0.000	0.000	1.2	
	2	0.000	0.000	0.000	1.2	0.0

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P21D

Lab Sample ID: 18C1247-07 Date(s) Analyzed: 04/04/2018 04/04/2018
Instrument ID (1): ECD4 Instrument ID (2): ECD4
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	1.2	
	2	0.000	0.000	0.000	1.3	8.0
Aroclor-1254	1	0.000	0.000	0.000	1.6	
	2	0.000	0.000	0.000	1.4	13.3
Aroclor-1260	1	0.000	0.000	0.000	2.9	
	2	0.000	0.000	0.000	2.3	23.1
Aroclor-1268	1	0.000	0.000	0.000	1.8	
	2	0.000	0.000	0.000	1.5	18.2

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P21E

Lab Sample ID: 18C1247-08 Date(s) Analyzed: 04/04/2018 04/04/2018

Instrument ID (1): ECD4 Instrument ID (2): ECD4

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	1.1	
	2	0.000	0.000	0.000	1.7	42.9
Aroclor-1254	1	0.000	0.000	0.000	2.7	
	2	0.000	0.000	0.000	4.2	43.5
Aroclor-1260	1	0.000	0.000	0.000	3.5	
	2	0.000	0.000	0.000	2.6	29.5
Aroclor-1268	1	0.000	0.000	0.000	1.4	
	2	0.000	0.000	0.000	1.3	7.4

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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****P21F***SW-846 8082A*

Lab Sample ID: 18C1247-09 Date(s) Analyzed: 04/04/2018 04/04/2018
Instrument ID (1): ECD4 Instrument ID (2): ECD4
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.53	
	2	0.000	0.000	0.000	0.76	35.7

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

01A

Lab Sample ID: 18C1247-10 Date(s) Analyzed: 04/05/2018 04/05/2018
Instrument ID (1): ECD3 Instrument ID (2): ECD3
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	3.3	
	2	0.000	0.000	0.000	3.7	11.4
Aroclor-1254	1	0.000	0.000	0.000	4.9	
	2	0.000	0.000	0.000	5.1	4.0
Aroclor-1260	1	0.000	0.000	0.000	4.3	
	2	0.000	0.000	0.000	4.4	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***LCS**

Lab Sample ID: B199999-BS1 Date(s) Analyzed: 04/04/2018 04/04/2018
Instrument ID (1): ECD4 Instrument ID (2): ECD4
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	2.4	
	2	0.000	0.000	0.000	2.1	13.3
Aroclor-1260	1	0.000	0.000	0.000	2.4	
	2	0.000	0.000	0.000	2.2	12.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B199999-BSD1 Date(s) Analyzed: 04/04/2018 04/04/2018

Instrument ID (1): ECD4 Instrument ID (2): ECD4

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	2.5	
	2	0.000	0.000	0.000	2.4	4.1
Aroclor-1260	1	0.000	0.000	0.000	2.4	
	2	0.000	0.000	0.000	2.1	13.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B200111-BS1 Date(s) Analyzed: 04/05/2018 04/05/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.77	
	2	0.000	0.000	0.000	0.82	6.3
Aroclor-1260	1	0.000	0.000	0.000	0.75	
	2	0.000	0.000	0.000	0.75	1.3

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***LCS Dup**

Lab Sample ID: B200111-BSD1 Date(s) Analyzed: 04/05/2018 04/05/2018
Instrument ID (1): ECD3 Instrument ID (2): ECD3
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.75	
	2	0.000	0.000	0.000	0.80	6.5
Aroclor-1260	1	0.000	0.000	0.000	0.74	
	2	0.000	0.000	0.000	0.73	1.4

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
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.
P-02	Sample RPD between primary and confirmatory analysis exceeded 40%. Per EPA method 8000, the lower value was reported due to obvious chromatographic interference on the column with the higher result.

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
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	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
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



21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

CHAIN OF CUSTODY

18C1247

Edition: September 2007
Supersede Previous Edition

LAB ID #.

PROJECT NUMBER		PROJECT NAME		PARAMETERS		CONTAINERS		TURNAROUND TIME			
263951		English Station - Boiler 1-12 Area New Haven, CT						x	Standard TAT 7-10 Days		
SIGNATURE		INSPECTOR						Rush TAT	Date Needed:		
<i>Mark Kearney</i>		Mark Kearney/Gregory Kaczynski									
Lab ID:	SAMPLE ID:	DATE	TIME	TYPE	SAMPLE LOCATION	EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1= caulk/glaze X2= paint, X3=other solid)	Preservative	NOTES
01	P5I	3/28/18	1110	X	FAN ROOM; WEST WALL	X	X		X2	---	
02	P5J		1115	X	1ST FL-FAN RM-WEST WALL	X				---	
03	P5K		1128	X	1ST FL-FAN RM-EAST WALL	X				---	
04	P5L		1135	X	1ST FL-FAN RM-EAST WALL	X				---	
05	P5M		1200	X	1ST FL-FAN RM-WEST WALL	X				---	
06	P5N		1205	X	1ST FL-FAN RM-EAST WALL	X				---	
07	P2ID		1125	X	1ST FL-FAN RM-WEST WALL	X				---	
08	P2IE		1148	X	1ST FL-FAN RM-EAST WALL	X				---	
09	P2IF	✓	1155	X	1ST FL-FAN RM-EAST WALL	X				---	
				X		X				---	
10	01A	3/28/18	1140	X	1ST FL-FAN RM-EAST WALL	X	X		X3	---	

Relinquished by: (Signature) <i>Mark Kearney</i>	Date: 3/29/18	Received by: (Signature) <i>Joe Elit 7:55</i>	Relinquished by: (Signature) <i>Joe Elit 1200</i>	Date: 3/30/18	Received by: (Signature) <i>Sam Einziger 2.1</i>
(Printed) Mark Kearney	Time: 1430	(Printed)	(Printed)	Time: 17:00	(Printed) Sam Einziger
Remarks: Report to: Include CT DPH RCP Report				Condition upon Receipt: 1 Page of 1	


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 TRC
 Received By SE Date 3/30/18 Time 17:00

 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 # 577 Actual Temp - 2.1
 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? FIs COC in ink/ Legible? T Were samples received within holding time? T
 Did COC include all Client T Analysis T Sampler Name F
 pertinent Information? Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? TAre there Lab to Filters? FAre there Rushes? FAre there Short Holds? FIs there enough Volume? TIs there Headspace where applicable? N/AProper Media/Containers Used? TWere trip blanks received? FDo all samples have the proper pH? N/A Acid Base MS/MSD? FIs splitting samples required? FOn COC? N/A

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		<u>4oz Amb/Clear</u>	<u>10</u>
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: United Illuminating Company

Project Location: English Station-Boiler 1-12 Area, New Haven, CT

Project Number: 18C1247

Laboratory Sample ID(s):
18C1247-01 thru 18C1247-10

Sample Date(s):
03/28/2018

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.

Lisa A. Worthington

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: Project Manager
Printed Name: Lisa A. Worthington
Date: 04/06/18
Name of Laboratory: Con-Test Analytical Laboratory

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

July 5, 2018

Carl Stopper
TRC Environmental Corporation - CT
21 Griffin Road North
Windsor, CT 06095

Project Location: Grand Ave., New Haven, CT
Client Job Number:
Project Number: 263951.0014.0002
Laboratory Work Order Number: 18F1443

Enclosed are results of analyses for samples received by the laboratory on June 28, 2018. 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 style with a large, flowing "M" and a long, sweeping "y" at the end.

Meghan E. Kelley
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332TRC Environmental Corporation - CT
21 Griffin Road North
Windsor, CT 06095
ATTN: Carl Stopper

REPORT DATE: 7/5/2018

PURCHASE ORDER NUMBER: 4500453202-10

PROJECT NUMBER: 263951.0014.0002

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18F1443

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

PROJECT LOCATION: Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1	18F1443-01	Caulk	WG6-hard 10 window glaze on interior window	SW-846 8082A	
2	18F1443-02	Caulk	WG6-hard 10 window glaze on interior window	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 "Tod Kopyscinski", written in a cursive style.

Tod E. Kopyscinski
Laboratory Director

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

Project Location: Grand Ave., New Haven, CT

Sample Description: WG6-hard 10 window glaze on interior

Work Order: 18F1443

Date Received: 6/28/2018

Field Sample #: 1

Sampled: 6/26/2018 14:46

Sample ID: 18F1443-01

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	6/28/18	7/4/18 0:13	KAL
Aroclor-1221 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	6/28/18	7/4/18 0:13	KAL
Aroclor-1232 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	6/28/18	7/4/18 0:13	KAL
Aroclor-1242 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	6/28/18	7/4/18 0:13	KAL
Aroclor-1248 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	6/28/18	7/4/18 0:13	KAL
Aroclor-1254 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	6/28/18	7/4/18 0:13	KAL
Aroclor-1260 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	6/28/18	7/4/18 0:13	KAL
Aroclor-1262 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	6/28/18	7/4/18 0:13	KAL
Aroclor-1268 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	6/28/18	7/4/18 0:13	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	83.0	30-150						7/4/18 0:13	
Decachlorobiphenyl [2]	80.5	30-150						7/4/18 0:13	
Tetrachloro-m-xylene [1]	83.6	30-150						7/4/18 0:13	
Tetrachloro-m-xylene [2]	86.1	30-150						7/4/18 0:13	

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Project Location: Grand Ave., New Haven, CT

Sample Description: WG6-hard 10 window glaze on interior

Work Order: 18F1443

Date Received: 6/28/2018

Field Sample #: 2

Sampled: 6/26/2018 14:46

Sample ID: 18F1443-02

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	6/28/18	7/4/18 0:31	KAL
Aroclor-1221 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	6/28/18	7/4/18 0:31	KAL
Aroclor-1232 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	6/28/18	7/4/18 0:31	KAL
Aroclor-1242 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	6/28/18	7/4/18 0:31	KAL
Aroclor-1248 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	6/28/18	7/4/18 0:31	KAL
Aroclor-1254 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	6/28/18	7/4/18 0:31	KAL
Aroclor-1260 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	6/28/18	7/4/18 0:31	KAL
Aroclor-1262 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	6/28/18	7/4/18 0:31	KAL
Aroclor-1268 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	6/28/18	7/4/18 0:31	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	78.8	30-150						7/4/18 0:31	
Decachlorobiphenyl [2]	77.3	30-150						7/4/18 0:31	
Tetrachloro-m-xylene [1]	79.3	30-150						7/4/18 0:31	
Tetrachloro-m-xylene [2]	80.7	30-150						7/4/18 0:31	

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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18F1443-01 [1]	B206862	0.518	10.0	06/28/18
18F1443-02 [2]	B206862	0.572	10.0	06/28/18

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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 B206862 - SW-846 3540C

Blank (B206862-BLK1)

Prepared: 06/28/18 Analyzed: 06/29/18

Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	2.51		mg/Kg	3.99		62.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.39		mg/Kg	3.99		59.8	30-150			
Surrogate: Tetrachloro-m-xylene	2.76		mg/Kg	3.99		69.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	2.81		mg/Kg	3.99		70.3	30-150			

LCS (B206862-BS1)

Prepared: 06/28/18 Analyzed: 06/29/18

Aroclor-1016	3.6	0.19	mg/Kg	3.84		92.7	40-140			
Aroclor-1016 [2C]	3.2	0.19	mg/Kg	3.84		84.0	40-140			
Aroclor-1260	3.4	0.19	mg/Kg	3.84		88.1	40-140			
Aroclor-1260 [2C]	3.1	0.19	mg/Kg	3.84		79.8	40-140			
Surrogate: Decachlorobiphenyl	3.17		mg/Kg	3.84		82.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.00		mg/Kg	3.84		78.2	30-150			
Surrogate: Tetrachloro-m-xylene	3.34		mg/Kg	3.84		87.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.40		mg/Kg	3.84		88.7	30-150			

LCS Dup (B206862-BSD1)

Prepared: 06/28/18 Analyzed: 06/29/18

Aroclor-1016	3.1	0.19	mg/Kg	3.83		81.0	40-140	13.7	30	
Aroclor-1016 [2C]	2.9	0.19	mg/Kg	3.83		77.0	40-140	8.86	30	
Aroclor-1260	3.0	0.19	mg/Kg	3.83		78.2	40-140	12.0	30	
Aroclor-1260 [2C]	2.7	0.19	mg/Kg	3.83		71.1	40-140	11.7	30	
Surrogate: Decachlorobiphenyl	2.79		mg/Kg	3.83		72.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.61		mg/Kg	3.83		68.1	30-150			
Surrogate: Tetrachloro-m-xylene	2.97		mg/Kg	3.83		77.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.03		mg/Kg	3.83		79.2	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT *SW-846 8082A*

LCS

Lab Sample ID: B206862-BS1 Date(s) Analyzed 06/29/2018 06/29/2018
Instrument ID (1): ECD4 Instrument ID (2): ECD4
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	3.6	
	2	0.000	0.000	0.000	3.2	11.8
Aroclor-1260	1	0.000	0.000	0.000	3.4	
	2	0.000	0.000	0.000	3.1	9.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT *SW-846 8082A*

LCS Dup

Lab Sample ID: B206862-BSD1 Date(s) Analyzed 06/29/2018 06/29/2018
Instrument ID (1): ECD4 Instrument ID (2): ECD4
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	3.1	
	2	0.000	0.000	0.000	2.9	6.7
Aroclor-1260	1	0.000	0.000	0.000	3.0	
	2	0.000	0.000	0.000	2.7	10.5

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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 is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
---------	----------------

No certified Analyses included in this Report

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
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	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2018

MEK

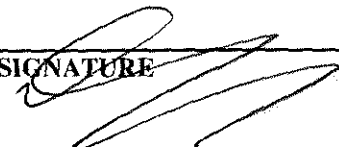
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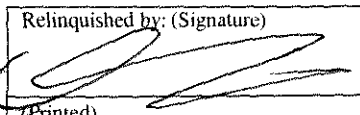
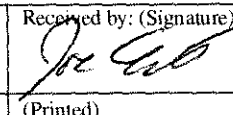
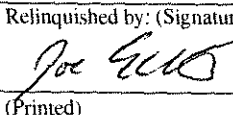
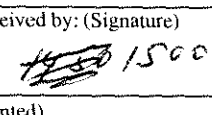


21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

Edition: September 2007
Supersede Previous Edition

CHAIN OF CUSTODY

PROJECT NUMBER						PROJECT NAME		PARAMETERS	CONTAINERS				LAB ID #.			
263951.0014.0002						United illuminating English station - Boiler 1-12 interior, Grand Ave, New Haven, CT							TURNAROUND TIME			
													X	Standard TAT 5 Days		
SIGNATURE						INSPECTOR(S)		EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1= caulk)	Preservative	Rush TAT		Date Needed:	
 Gregory Kaczynski						Gregory Kaczynski							MATERIALS & NOTES			
Lab ID	SAMPLE ID	DATE	TIME	TYPE		SAMPLE LOCATION										
				COMP	GRAB											
1	1	6/26/18	14:46		X	Coal conveyor level – north		X		X	X1		WG6 – Hard 10 window glaze on interior window			
2	2	6/26/18	14:46		X	Coal conveyor level – north		X		X	X1		WG6 – Hard 10 window glaze on interior window			

Relinquished by: (Signature) 	Date: 6/27/18	Received by: (Signature)  4/23/18 1400	Relinquished by: (Signature)  2A 6.28-14 15:00	Date: 4/24/18	Received by: (Signature)  1500
(Printed) Gregory Kaczynski	Time: 1130	(Printed)	(Printed)	Time:	(Printed)
Remarks: Report to: Include CT DPH RCP Report			Condition upon Receipt: Page 1 of 1		


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 TLCReceived By ESDDate 6-29-18Time 15:00

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 # 7 Actual Temp -28
 By Blank # Actual Temp

Was Custody Seal Intact? NA Were Samples Tampered with? NAWas COC Relinquished? T Does Chain Agree With Samples? TAre there broken/leaking/loose caps on any samples? FIs COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all Client T Analysis F Sampler Name 7
 pertinent Information? Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? TAre there Lab to Filters? FAre there Rushes? RAre there Short Holds? FIs there enough Volume? TIs there Headspace where applicable? RProper Media/Containers Used? TWere trip blanks received? FDo all samples have the proper pH? NA Acid Base

Who was notified?
 Who was notified?
 Who was notified?
 MS/MSD? F
 Is splitting samples required? F
 On COC? F

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 <u>2</u>
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: TRC Environmental Corporation - CT

Project Location: Grand Ave., New Haven, CT

Project Number: 18F1443

Laboratory Sample ID(s):

18F1443-01 thru 18F1443-02

Sample Date(s):

06/26/2018

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.

Tod E. Kopyscinski

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: 07/05/18
Name of Laboratory: Con-Test Analytical Laboratory

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

APPENDIX E
PREVIOUS ENVIRONMENTAL REPORTS



GEI Consultants, Inc.

December 21, 1999
Project 99419

Mr. Geoffrey M. Griffiths
Vice President
Decommissioning Services
TLG Services, Inc.
148 New Milford Road East
Bridgewater, Connecticut 06752

ATLANTIC ENVIRONMENTAL DIVISION

188 Norwich Avenue
P.O. Box 297
Colchester, CT 06415
(860) 537-0751 -
(860) 537-6347 Fax

RE: Asbestos and Hazardous Materials Survey — *FIRST DRAFT*
English Station
510 Grand Avenue
New Haven, Connecticut

Dear Mr. Griffiths:

Enclosed please find two copies of the above-referenced report for your use. The report includes 23 plates which provide the sample locations and several tables indicating the sample identifications, sample materials, and estimated quantities of the materials which require removal prior to building demolition. These quantities will provide a good basis for your cost estimating purposes.

We would be very happy to assist in the preparation of plans and specifications for the decontamination and demolition of the site. We have several ideas to transition this document into portions of the plans and specifications, including enhancement and reduction of the plates, supplemental testing to delineate PCB-impacted concrete, and contract language strategies.

Please feel free to call if you have any questions.

Sincerely,

Jeffrey Willson
Project Manager

JW:sm
Enclosures

c: Craig Bradley

Offices Nationwide

DRAFT



GEI Consultants, Inc.

ATLANTIC
ENVIRONMENTAL DIVISION

ASBESTOS AND HAZARDOUS MATERIALS SURVEY

THE UNITED ILLUMINATING COMPANY
ENGLISH STATION
510 GRAND AVENUE
NEW HAVEN, CONNECTICUT

Submitted to:

TLG Services, Inc.
148 New Milford Road East
Bridgewater, CT 06752-1123

*TLG - GG
Corrections + comments to GEI 1-6-00*

P.O. Box 297
188 Norwich Avenue
Colchester, CT 06415

Tel: (860) 537-0751
Fax: (860) 537-6347

December 21, 1999
Project No. 99419

J:\WPRO\CLBG\TLGServices\surveyreport.wpd

UI-ENGLISHSTATION-00005058

**ASBESTOS AND HAZARDOUS
MATERIALS SURVEY**

**THE UNITED ILLUMINATING
ENGLISH STATION
510 GRAND AVENUE
NEW HAVEN, CONNECTICUT**

December 21, 1999

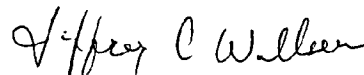
Submitted to:

**TLG Services, Inc.
148 New Milford Road East
Bridgewater, CT 06752-1123**

Prepared by:

**GEI Consultants, Inc.
P.O. Box 297 • 188 Norwich Avenue
Colchester, CT 06415
(860) 537-0751**

Project 99419



Jeffrey Willson
Project Manager

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1.0 INTRODUCTION

GEI Consultants, Inc. (GEI) is pleased to present the following results of the asbestos and hazardous materials survey conducted at The United Illuminating Company (UI) English Station facility located in New Haven, Connecticut. GEI was retained by TLG Services, Inc. to perform the survey as described in our July 30, 1999 proposal (TLG Purchase Order No. 003100, dated October 8, 1999). The purpose of the survey was to identify and, to the extent practicable, quantify materials that require removal and disposal prior to building demolition activities. The survey provides data for TLG to use to develop a cost estimate for the hazardous materials removal phase of demolition and, subsequently, for use in developing bid plans and specifications for the work. Please note that material quantities contained in this report represent general approximations only. Quantities were calculated based on available plans and the site inspections. Quantities presented are for cost estimating purposes only. Actual quantities of material requiring removal may vary from those indicated.

1.1 Site Description

The subject property consists of two parcels located in New Haven, Connecticut. New Haven Tax Assessor's records list the first parcel as 510 Grand Avenue (Parcel A). This parcel contains approximately 8 acres and is bounded by Grand Avenue to the north and various branches of the Mill River to the south, east and west. Occupying this parcel is English Station, an electric power generating plant (currently on deactivated reserve status) and Station B, a portion of a former electric generating power plant (circa 1900) now renovated into an open warehouse and office space. Several smaller ancillary buildings also exist across the site, including a Contractor's Building, a Training Building, several electric cable houses, a foam house, two sodium hypochlorite buildings, a fuel oil storage area (consisting of an aboveground 50,000-gallon No. 6 fuel oil storage tank and two aboveground 20,000-gallon No. 2 fuel oil storage tanks), and a guard shack. Electrical equipment (including three chain-link-fence-enclosed capacitor banks, several large pad-mounted transformers, an above-grade sewer-line tunnel, an electrical conduit tunnel, and remnants of an old coal-conveying system) was also included in the survey.

The second parcel, also located along Grand Avenue (with no numeric street address), includes an empty 1.3-million-gallon bulk oil storage tank (used for No. 6 fuel oil storage), an associated oil pump house, and a foam house. Other structures also exist on this parcel (including additional cable houses and an electrical substation); however, these structures/station areas were not included in the survey. This second parcel is located west of Parcel A, across the West Branch of the Mill River. Hereinafter, this parcel will be referred to as Parcel B.

A site location map and a general site schematic are provided as Figures 1 and 2.

1.2 Information Sources

Information regarding the nature of on-site buildings, components and systems was gathered through a due diligence process conducted by GEI. This process included detailed inspections of the site, interviews and tours with UI personnel, and reviews of building, property, and process drawings provided by UI. These drawings have been provided in both paper and electronic format. For purposes of this survey, sample locations have been placed on the electronic versions of these drawings and incorporated into the sampling location maps.

Key personnel from UI (including Craig Bradley, Pat Hayes, and John Buffa), and from TLG Services, Inc. (including Tim Arnold, Ben Stockmall, and Geoff Adler) have provided site-specific information (i.e., process information, mapped information, equipment details, etc.) during the survey.

2.0 ASBESTOS SURVEY

2.1 Introduction

State and federal regulations require the identification and removal of all asbestos-containing building materials (ACBMs) prior to any renovation or demolition activity. Specific laws and regulations which are applicable to aspects of the identification and removal activities include (but are not necessarily limited to): the United States Environmental Protection Agency's (EPA's) National Emission Standards for Hazardous Air Pollutants (NESHAPS; 40 CFR Part 61), the EPA's Asbestos Hazard Emergency Response Act (AHERA; 40 CFR Part 763), the Occupational Safety and Health Administration's (OSHA's) Asbestos Construction Standard (29 CFR Part 1926), and Connecticut General Statutes (CGS) Standards for Asbestos Abatement (CGS 19a-332).

GEI has performed an asbestos survey of the on-site buildings for use in the cost estimating task and for development of contract specifications associated with the proper removal and disposal of these materials prior to demolition. The survey report includes a discussion of the types and locations of ACBMs, sample location maps, a summary of asbestos analytical results, a list of approximate ACBM quantities, and a list of potential asbestos disposal facilities. ACBM estimated quantities are provided in linear or square footage, depending on the nature and application of the material.

State and federal asbestos regulations allow for assumptions to be made regarding the presence of asbestos in building materials. Due to health and safety/accessibility issues associated with sampling some suspect materials during this survey, these materials were assumed to be asbestos containing, based on visual characteristics. Other materials were assumed to be ACBMs based on our prior experience with similar materials/types of applications, and mapped information provided by UI. GEI exercised due diligence by conducting thorough inspections of buildings/components, reviewing available mapped information, and interviewing personnel familiar with the site. However, it is possible that some ACBMs within the site buildings/components were not identified.

2.2 Sampling Methods

The sampling methods exercised for the subject site in the identification of ACBMs was based on protocol established by the AHERA. Utilizing this protocol, all suspect ACBMs are divided into three categories: thermal system insulation (TSI), surfacing materials, and miscellaneous materials.

TSI generally includes materials used to prevent heat loss/gain, or to prevent water condensation on mechanical systems. Examples of TSI include pipe insulation (including mudded insulation on

pipe fittings), boiler/tank jacket insulation, or duct insulation. According to AHERA sampling protocol, collection of three samples of each suspect TSI material is required to accurately determine its asbestos content.

Surfacing ACBMs include any materials which are either sprayed, troweled, or otherwise applied to an existing surface. Surfacing ACBMs are commonly used for fireproofing, decorative, or acoustical applications, and commonly include plaster and, on occasion, concrete (depending on the application). According to AHERA sampling protocol, the appropriate number of samples required to accurately determine a surfacing material's asbestos content is based on the square footage of such material. Three samples are needed when the total area of any surfacing material is less than 1,000 square feet. Five samples are needed for any surfacing material totaling between 1,000 and 5,000 square feet. Seven samples are needed for any surfacing material totaling over 5,000 square feet. Although not required, EPA recommends that nine samples be collected for any surfacing material, regardless of the quantity of material.

Miscellaneous materials include any materials not included in the two categories noted above. Typical materials associated with this category include linoleum, vinyl asbestos floor tile (VAT), floor tile adhesive (also known as mastic), acoustical ceiling panels/tiles, electrical wire insulation and roofing materials. According to AHERA sampling protocol, collection of appropriate samples of miscellaneous materials is to be determined by the inspector in the field. In general, between one to three samples of these materials were collected to determine their asbestos content.

Decontamination procedures utilized during bulk material sampling consisted of a thorough cleaning with soap and water and an inspection of the sampling equipment prior to collection of the next suspect material.

2.3 Analytical Methods

All bulk samples of suspected ACBMs were analyzed for asbestos content by Polarized Light Microscopy (PLM) methods. In some cases (specifically with organically bounded materials), point count (PC) methods were also implemented. PC methods are often used in conjunction with PLM analyses because organically-bound materials can often interfere with PLM analysis, often resulting in false-negative readings. Asbestos analytical results (either PLM or PC methods) are reported in percent (%) concentrations. The EPA's definition of an ACBM is any material containing greater than or equal to 1% asbestos, by weight.

2.4 Survey Results

A total of 636 different types/applications of suspect ACBMs was sampled and analyzed for asbestos content. Bulk sample analytical results are provided in Table 1. Several areas of the site

buildings and or interior portions of equipment/components were inaccessible for surveying and sampling purposes. GEI conducted a review of available building, system and equipment plans provided by UI to evaluate the presence of asbestos in inaccessible areas (e.g., within boilers). These materials, as well as others known or suspected to exist, are summarized in Table 2. Laboratory analysis would be required to reclassify these materials as a non-ACBM. A summary of ACBMs at the subject site and their approximate quantities is included in Table 3. Complete asbestos laboratory analytical results are provided in Appendix A.

3.0 HAZARDOUS MATERIALS SURVEY

3.1 Introduction

Federal and state laws and regulations governing the management and disposal of hazardous materials generated during a renovation or demolition activity includes (but is not necessarily limited to) OSHA's Hazardous Waste Operations and Emergency Response (29 CFR 1926.65), the EPA's Identification and Listing of Hazardous Waste (40 CFR 261), the EPA's Standards Applicable to Generators of Hazardous Waste (40 CFR 262), and the EPA's Final Rule on the Disposal of polychlorinated biphenyls (PCBs) (40 CFR Parts 750 and 761). State regulations and guidelines include the CTDEP's Hazardous Waste Management Regulations (CGS 22a-445(a)), and the CTDEP's Solid Waste Management Regulations (22a-446(d)).

GEI conducted an inspection of all accessible areas to assess building materials, equipment, and sludges/sediments/oils that are known or suspected to contain hazardous materials that may require specific handling and disposal as part of demolition activities. These items include mercury-containing switches, PCB-containing equipment, oil-filled piping, coal ash, and stained concrete. Prior to building demolition, these regulated and/or hazardous materials, depending on concentration, may require separation from general construction and demolition debris waste and disposed of in accordance with applicable federal and state regulations. The summary of the hazardous material survey includes sampling location maps, a summary of analytical results, information regarding waste classification, and approximate quantities of identified regulated or hazardous wastes.

Some assumptions were also made on particular building materials, equipment, and sludges/sediments/oils because sampling of these materials was not feasible due to health and safety/accessibility issues. It should be noted that a representative number of samples was collected within the buildings to provide a general characterization of suspect areas. It is possible that some contaminants may not have been identified.

3.2 Sampling Methods

The survey included, but was not limited to, stained concrete flooring, floor drain and trench drain sediments, oil baths, chemical oil/storage areas, boiler exhaust/ash areas, process residues, instrument and process piping/tanks (oil, steam, condensate, compressor, etc.), equipment pads, and any designated PCB storage/transformer areas. Materials were collected with a variety of sampling equipment, including dedicated polyvinyl chloride (PVC) bailers, hammers, chisels, spoons, spatulas, remote sampling ladles, sledgehammers, and crowbars.

To prevent cross contamination between sampling events, the sampling tools were decontaminated in a sequential procedure consisting of the following general steps: Alconox-solution wash;

potable water rinse; methanol wash (100% solution); distilled water rinse; nitric acid rinse (10% solution); and another distilled water rinse. For samples suspected of containing PCBs, the above-noted procedure was followed up with a hexane rinse (100%), followed by one last distilled water rinse.

3.3 Analytical Methods

Suspected hazardous material samples were screened using a variety of analytical procedures, depending on the nature of the sample collected and the usage of associated equipment. All analyses were performed in accordance with procedures specified in SW-846, *Test Methods for Evaluating Solid Waste, Physical, Chemical Methods Final Update III* (May 1997). Analytical test methods include: total petroleum hydrocarbons (TPH by EPA Method 418.1); toxicity characteristic leaching procedure [TCLP] eight Resource Conservation and Recovery Act (RCRA) metals (which include arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver by EPA Method 1311); PCBs (by EPA Method 8082); volatile organic compounds (VOCs by EPA Method 8260 or 8021B); semivolatile organic compounds (SVOCs by EPA Method 8270 modified); and pH. Liquid samples were analyzed for total metals (8-RCRA) as opposed to TCLP methods.

All of the above-noted SW-846 analyses, excluding the TCLP 8-RCRA metal and PCB analyses, provide general guidance on the occupational exposure, management, and disposal of these wastes. Constituent concentrations exceeding the Residential Direct Exposure Criteria (RDEC) of the Connecticut Remediation Standard Regulations (RSRs) have been highlighted as a guide to assess non-PCB materials requiring special handling and disposal. The TCLP metals analyses are compared to the listed Hazardous Waste Standards for each corresponding metal analyte which is recorded in the EPA's *Maximum Concentration of Contaminants for the Toxicity Characteristic* (40 CFR 261 Part 24). The following table lists the toxicity characteristic concentrations which would qualify any of the listed 8-RCRA metals as a hazardous waste.

Metal Contaminant	Toxicity Characteristic Level (ppm)
Arsenic	5.0
Barium	100.0
Cadmium	1.0
Chromium	5.0
Lead	5.0
Mercury	0.2
Selenium	1.0
Silver	5.0
Notes: ppm - parts per million	

With regard to PCB concentrations in equipment and building materials, the EPA's *Final Rule on the Disposal of PCBs* (40 CFR Parts 750 and 761) would apply. These regulations provide detailed direction on the classification and management of PCB-impacted materials/equipment, as mandated by the Toxic Substance Control Act (TSCA). If the source of the PCB contamination is known, any PCB-impacted materials must be treated and disposed of as if they contained the PCB concentration of the source material. If the source concentration is unknown, then disposal according to the detected concentration is appropriate. If concentrations of the source are unknown and the concentration is less than 50 ppm, then the material can be considered a non-TSCA waste and may be disposed of along with construction/demolition waste, provided the disposal facility can accept it.

3.4 Survey Results

Over 130 samples of miscellaneous materials were collected during the survey. The samples were taken from materials known or suspected to contain contaminant constituents due to use, location, or observations during the survey. A summary of the sample IDs, sample locations, and material descriptions is provided in Table 4. Analytical results for each sample analysis are provided in Table 5.

The full extent of contaminant impacts in some areas (e.g., those associated with interior station transformers) has not been confirmed. Some additional testing to assess the lateral and vertical extent of impacts is warranted.

Several areas of the site buildings and/or interior portions of equipment/components were inaccessible for surveying and sampling purposes. GEI conducted a review of available building, system and equipment plans provided by UI to evaluate the potential presence of contaminants in inaccessible areas (e.g., within tanks). These materials, as well as others known or suspected to exist, are summarized in Table 6 along with estimated quantities of identified or suspected contaminated materials. Laboratory analysis of these materials would be required for disposal purposes. Copies of the analytical results are included in Appendix B.

4.0 LEAD-BASED PAINT ASSESSMENT

4.1 Introduction

Many of the on-site structures contain painted building components. Typical painted building components include reinforcing structural steel, brick, concrete, wood, plaster and sheet rock. Given the age of the building, and the use of lead-based paint in commercial and industrial applications, an assessment of lead concentrations within the building was performed to evaluate the potential for lead content at levels requiring disposal as a hazardous waste.

Federal and state regulations governing the management and disposal of lead-contaminated building materials generated during a renovation or demolition activity include those listed previously. Also, a guidance document produced by the Connecticut Department of Environmental Protection (CTDEP), titled *Guidance For the Management and Disposal of Lead-Contaminated Materials Generated in the Lead Abatement, and Demolition Industries* (dated November 4, 1994) was used for developing the sampling strategies for this project. Core samples from painted building materials representing a majority of the building debris are collected and analyzed to determine their lead content. Analytical results are compared to the EPA's *Identification and Listing of Hazardous Waste* (40 CFR 261) to determine whether the sampled building debris (with the attached paint) would be classified as a hazardous waste.

4.2 Sampling Methods

The lead paint assessment included an evaluation of visible painted building components such as walls and ceilings. Sampling tools utilized for this work included a rotary hammer drill with coring bit, plastic and metal spatulas and spoons.

To prevent cross contamination between sampling events, the sampling tools were decontaminated in a sequential procedure consisting of the following general steps: trisodium phosphate wash and two distilled water rinses.

4.3 Analytical Methods

Sampled building materials from the subject site were analyzed for lead content utilizing TCLP (EPA Method 1311). Concentrations are reported as ppm. The EPA's hazardous waste standard for TCLP lead is 5 ppm.

4.4 Survey Results

Initially, 38 core samples of lead-painted building materials were collected and analyzed for lead using TCLP. The majority of the sample analytical results were well below the 5 ppm

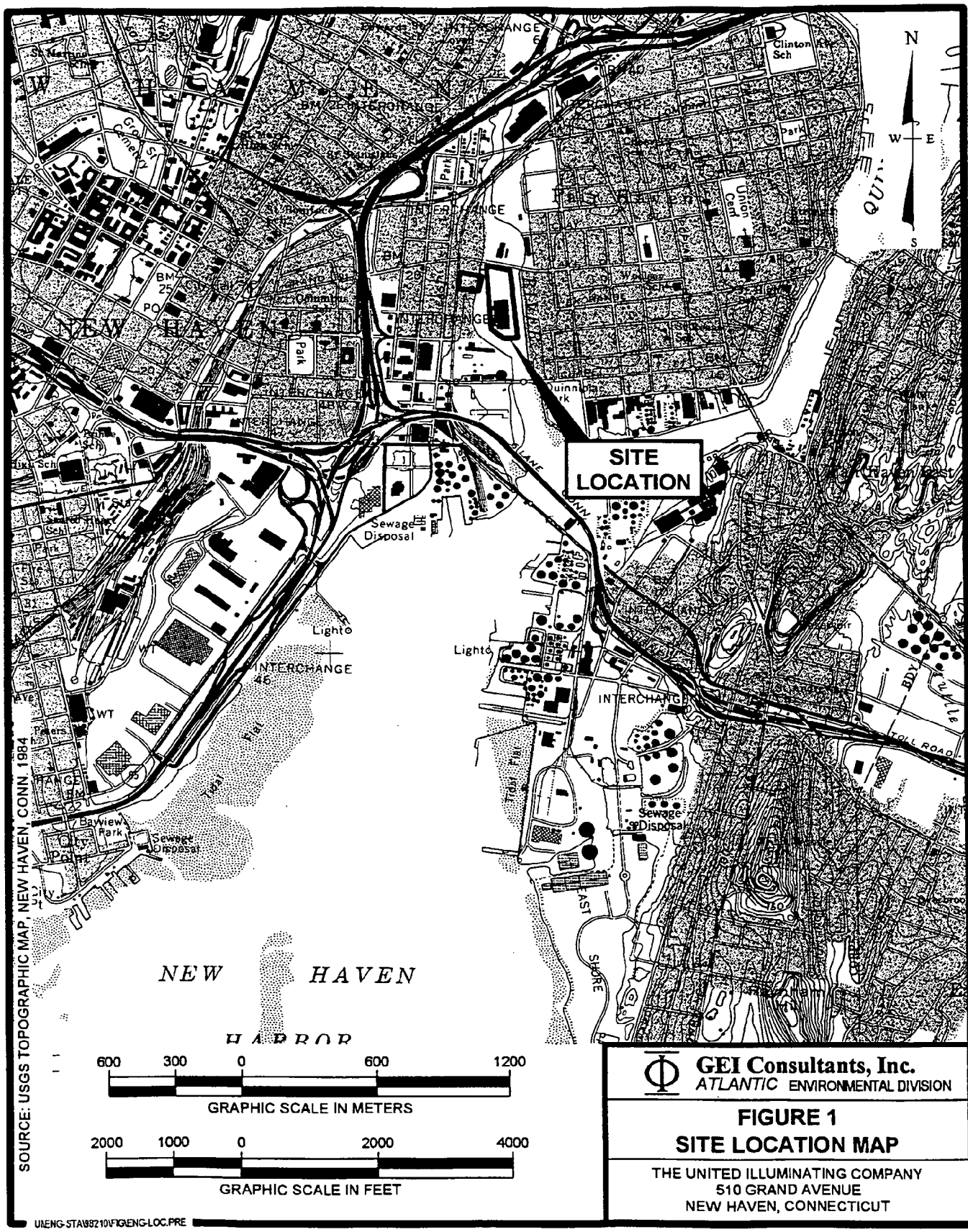
concentration of lead which would render the material hazardous. Three samples LBP-13, LBP-33 and LBP-34 were found to contain lead in excess of 5 ppm. However, it was noted during sampling that complete core samples of these components were not collected due to hollow blocks/bricks (LBP-13 and LBP-33) where much of the core portion fell into the central void of the blocks and a disproportionate amount of painted surface was collected. At LBP-34, a wooden beam was sampled by collecting surface wood chip samples versus coring with a drill bit, also resulting in a proportionally higher amount of paint versus wood substitute.

These materials were therefore resampled and analyzed. At the first two locations intact brick/blocks were removed to ensure that complete cores were collected. At the third location a drill was used to core through the wood to obtain a representative sample. An additional sample was also collected from the material of the third location. All analytical results indicated lead concentrations below 5 ppm. However, LBP-39 was found to contain lead at 4.96 ppm. Additional sampling of this material is suggested prior to building demolition.

Complete analytical results are provided in Table 7. Copies of the laboratory data are included in Appendix C.



FIGURES



SOURCE: USGS TOPOGRAPHIC MAP, NEW HAVEN, CONN 1984

NEW HAVEN

HARBOR

600 300 0 600 1200

GRAPHIC SCALE IN METERS

2000 1000 0 2000 4000

GRAPHIC SCALE IN FEET

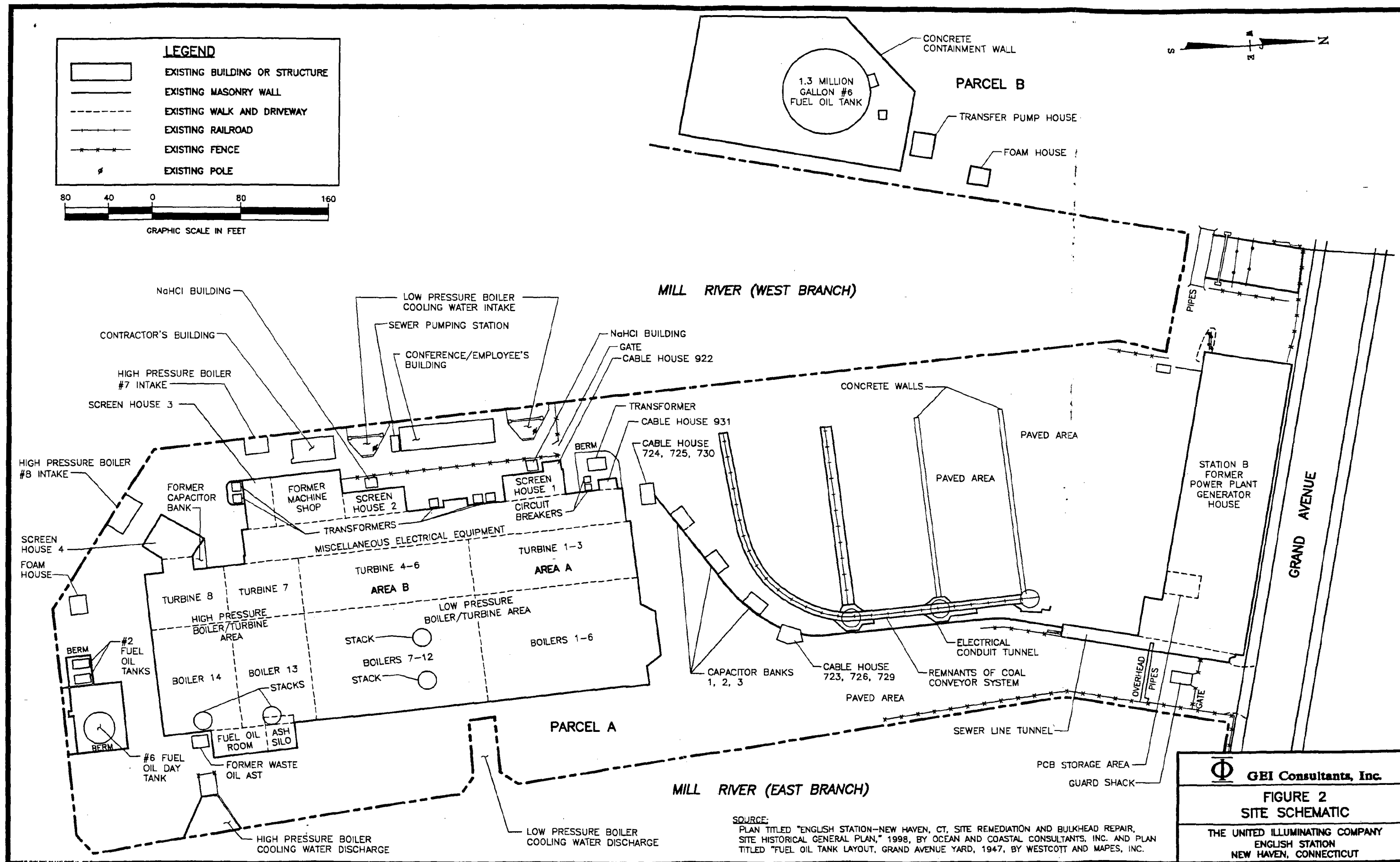


GEI Consultants, Inc.
ATLANTIC ENVIRONMENTAL DIVISION

FIGURE 1
SITE LOCATION MAP

THE UNITED ILLUMINATING COMPANY
510 GRAND AVENUE
NEW HAVEN, CONNECTICUT

UI-ENG-STATION-00005074





TABLES

Table 1
English Station
Asbestos Survey Analytical Results Summary

Sample ID	Sample Location	Sample Material Description	Asbestos Analytical Results
<i>Low Pressure Boiler/Turbine Areas</i>			
10-5-ASB-01 A, B, C	1 st floor, Northeast Locker Room	Brown 9" x 9" floor tile	6.75% Chrysotile
10-5-ASB-02 A, B	1 st floor, Northeast Locker Room	Mastic from sample above	8.25% Chrysotile
10-5-ASB-03	1 st floor, Northeast Locker Room	Interior window glazing	10% Chrysotile
10-5-ASB-04	1 st floor, Northeast Locker Room	Red 9" x 9" floor tile	ND
10-5-ASB-05 A, B, C	1 st floor, West Ash Hopper Piping	Canvas pipe wrap insulation	75% Chrysotile
10-5-ASB-06	1 st floor, East Coal Ash Alley	Electrical wire wrap	ND
10-5-ASB-07 A, B	1 st floor, Northeast Side, City Water Line	Pipe coating/ weatherproofing	10% Chrysotile
10-5-ASB-08	1 st floor, Condenser Plate (No. 5 Unit)	Gasket	ND
10-5-ASB-09 A, B, C	1 st floor, Machine Shop Office	Green 9" x 9" floor tile	3.75% Chrysotile
10-5-ASB-10 A, B	1 st floor, Machine Shop Office	Mastic from sample above	ND
10-6-ASB-11 A, B	1 st floor, Lube Oil Room	Door coating	ND
10-6-ASB-12 A, B, C	1 st floor, Condenser Unit Foundation (No. 1, 3, & 5 Units)	Concrete	ND
10-6-ASB-13 A, B, C	1 st floor, Condenser Unit (No. 2, 4, & 6 Units)	Interior red boiler brick	ND
10-6-ASB-14 A, B, C	1 st floor, Condenser Unit (No. 2, 4, & 6 Units)	Interior white mortar	ND
10-6-ASB-15 A, B, C	1 st floor, Flood Control Panel (No. 19, 18, & 15)	White canvas joint/seam	ND
10-6-ASB-16	1 st floor, Flood Control Panel (No. 13)	Black canvas	ND
10-6-ASB-17B	1 st floor, Reactor Room; Window	Interior glazing	ND
10-6-ASB-18 A, B, C	1 st floor, Reactor Room	Reactor cover panels	20% Chrysotile
10-6-ASB-19	1 st floor, Reactor Room; Structural/ Insulator Panel Between Reactor Stands	Gray transite panel	20% Chrysotile
10-6-ASB-20 A, B, C	1 st floor, Reactor Room Bridge Floor Panels/Plates	Brown floor paneling	20% Chrysotile
10-7-ASB-21 A, B, C	1 st floor, Dismantled Circuit Breaker in Cubicle Room	Black insulated backer board	ND
10-7-ASB-22 A, B, C	1 st floor, Dismantled Circuit Breaker in Cubicle Room	Arc diffusing panel	25% Chrysotile
10-7-ASB-23	1 st floor, Reactor Room	Canvas cable wrap	ND
10-7-ASB-24 A, B	1 st floor, Reactor Room	Black electrical wire insulation	ND
10-7-ASB-25 A, B, C	1 st floor, Reactor Room; Reactor Stand	Concrete	ND
10-7-ASB-26 A, B, C	1 st floor, Entry Room Doors (Reactor Room, Auxiliary Switchboard Room, and Neutral Ground Room)	Door coating	ND
10-7-ASB-27 A, B, C, D, E, F, G, H	1 st floor, Various Locations	Structural brick mortar	ND
10-7-ASB-28 A, B, C	1 st floor, Various Locations	Off white 2" x 7 1/4" brick	ND

Notes: Asbestos content equal to or greater than 1% requires abatement prior to demolition.
Shaded concentrations indicate material is asbestos-containing (≥ 1 asbestos).
* = indicates trace levels of asbestos were detected, but at concentrations of less than 1%
ND = none detected

Table 1
English Station
Asbestos Survey Analytical Results Summary

Sample ID	Sample Location	Sample Material Description	Asbestos Analytical Results
10-7-ASB-29 A, B, C	1 st floor, Various Locations	Red 5" x 12" block	ND
10-7-ASB-30 A, B, C	1 st floor, Various Locations	Red 2" x 7½" brick	ND
10-7-ASB-31 A, B, C	1 st floor, Various Locations	Red/brown 12" x 12" blocks	ND
10-7-ASB-32 A, B, C	1 st floor, Various Locations	White 7½" x 15½" cinder blocks	ND
10-7-ASB-33 A, B, C	1 st floor, Various Locations	Dark gray 7½" x 15½" cinder block	ND
10-7-ASB-34 A, B, C	1 st floor, Various Locations	Red 5" x 6" hollow blocks	ND
10-7-ASB-35 A, B, C	2 nd floor, Turbine/Generator Monitor Panels	Black panels	ND
10-7-ASB-36 A, B, C	2 nd floor, Turbine Room, Turbine Anodes	Electric tape insulation	ND
10-7-ASB-37 A, B, C	2 nd floor, Adjacent to Turbine/ Generator No. 5; Intercom Boxes (HEAR-HERE)	Inner material	ND
10-7-ASB-38 A, B	2 nd floor, Turbine No. 1 & 5; Main Flange	Gasket material	ND
10-7-ASB-39	2 nd floor, North Locker Rooms/Shower	Plaster	ND
10-7-ASB-40 A, B, C	2 nd floor, North Office Area, Bathroom	Gray 12" x 12" floor tile	ND
10-7-ASB-41 A, B, C	2 nd floor, North Office Area, Bathroom	Mastic from sample above	ND
10-8-ASB-42 A, B, C	2 nd floor, North Office Area	White 2' x 4' acoustical ceiling tile	ND
10-8-ASB-43 A, B, C	2 nd floor, North Office Area	Vinyl baseboard mastic	ND
10-8-ASB-44 A, B, C	2 nd floor, North Office Area	Gypsum board	ND
10-8-ASB-45 A, B, C	2 nd floor, North Office Area	Linoleum	ND
10-8-ASB-46 A, B, C	2 nd floor, North Office Area	Linoleum vapor barrier	ND
10-8-ASB-47 A, B, C	2 nd floor, North Office Area	Linoleum mastic	ND
10-8-ASB-48 A, B, C	2 nd floor, Boiler Room (No. 4, 7, & 10 Units)	Silver boiler paint	ND
10-8-ASB-49 A, B, C	2 nd floor, Boiler Room (No. 12 Unit)	Gasket rope	75% Chrysotile
10-8-ASB-50 A, B, C	2 nd floor, Boiler Room (No. 12 Unit)	Jacket packing	50% Chrysotile
10-8-ASB-51 A, B, C	2 nd floor, Boiler Room (No. 12 Unit)	Inner boiler cement packing material	ND
10-8-ASB-52 A, B, C	2 nd floor, Boiler Room (No. 12 Unit)	Exterior steel boiler panel gasket	80% Chrysotile
10-8-ASB-53 A, B, C	2 nd floor, Boilers Firing Mechanism (No. 1, 5, & 10 Boilers)	Canvas pipe/hose wrap insulation	90% Chrysotile
10-8-ASB-54 A, B, C	2 nd floor, Boiler Room (No. 2, 6, & 9 Units)	Red brick (exterior)	ND
10-8-ASB-55 A, B, C	2 nd floor, Boiler Room (No. 2, 6, & 9 Units)	Tan brick (interior)	ND
10-8-ASB-56 A, B, C	No Sample Collected	No Sample Collected	No Sample Analyzed
10-8-ASB-57 A, B, C	2 nd floor, Various Locations	Green 9" x 9" floor tile	5.75% Chrysotile

Notes: Asbestos content equal to or greater than 1% requires abatement prior to demolition.

Shaded concentrations indicate material is asbestos-containing (≥ 1 asbestos).

* = indicates trace levels of asbestos were detected, but at concentrations of less than 1%

ND = none detected

Table 1
English Station
Asbestos Survey Analytical Results Summary

Sample ID	Sample Location	Sample Material Description	Asbestos Analytical Results
10-8-ASB-58 A, B, C	2 nd floor, various areas	Mastic from sample above	ND
10-8-ASB-59 A, B, C	2 nd floor, Boiler Room, East Office Area	Gray 12" x 12" floor tile	ND
10-8-ASB-60 A, B, C	2 nd floor, Boiler Room, East Office Area	Mastic from sample above	1.75 % Chrysotile
10-8-ASB-61	2 nd floor, North Office Entry Door	Inner door insulation	ND
10-8-ASB-62	2 nd floor, Bus Room Entry Door	Inner door insulation	ND
10-12-ASB-63	1 st floor, Lube Oil Room Entry Door	Inner door insulation	ND
10-12-ASB-64	1 st floor, Stairwell Door Adjacent to Machine Shop	Inner door insulation	ND
10-12-ASB-65	1 st floor, Machine Shop Northerly Entry Door	Inner door insulation	ND
10-12-ASB-66	1 st floor, Machine Shop Southerly Entry Door	Inner door insulation	ND
10-12-ASB-67	1 st floor, Machine Shop	Inner door insulation	ND
10-12-ASB-68	1 st floor, Machine Shop	Inner door insulation	ND
10-12-ASB-69	1 st floor, Heavy Oil Room Entry Door	Inner door insulation	ND
10-12-ASB-70	1 st floor, Reactor Room Entry Door	Inner door insulation	ND
10-12-ASB-71 A, B, C	2 nd floor, Boiler Room (No. 1 Unit)	Corrugated paper insulation; "Asbestocell"	65% Chrysotile
10-12-ASB-72 A, B, C	2 nd floor, Boiler Room (No. 1 Unit)	Inner gunnite layer	ND
10-12-ASB-73 A, B, C	2 nd floor, Boiler Room (No. 1 Unit)	Outer gunnite layer	ND
10-12-ASB-74 A, B, C	2 nd floor, Boiler Room (No. 1 Unit)	Mortar	ND
10-12-ASB-75 A, B, C	2 nd floor, Boiler Room (No. 1 Unit)	Gasket material	ND
10-12-ASB-76 A, B, C	2 nd floor, Boiler Room; Inspection Port Door (Various Boiler Units)	Gasket material	90% Chrysotile
10-12-ASB-77 A, B, C	2 nd floor, Boiler Room; Middle stairwell wall to ground; Southern bathroom; Northern stairwell to electrical repair shop/laboratory	Concrete wall coating	ND
10-12-ASB-78	3 rd floor, Electrical Repair Shop/Laboratory	Rolled canvas mat	80% Chrysotile
10-12-ASB-79 A, B, C	3 rd floor, Laboratory Bathroom; HVAC Unit	HVAC gasket	40% Chrysotile
10-13-ASB-80 A, B, C	3 rd floor, Laboratory	Lab counter top	ND
10-13-ASB-81 A, B, C	3 rd floor, Electric Repair Shop and stairwell landing	Brown 9" x 9" floor tile	4.50% Chrysotile
10-13-ASB-82 A, B, C	3 rd floor, Electric Repair Shop and stairwell landing	Mastic from sample above	2.75% Chrysotile
10-13-ASB-83 A, B, C	2 nd floor, Boiler Room (No. 9 Unit); Vacuum Pump	Filter material	ND
10-13-ASB-84 A, B, C	2 nd floor, Boiler Room (No. 12 Unit); Tube Packing	Tube packing material	Trace*
10-13-ASB-85 A, B, C	2 nd floor, Boiler Room (No. 10 Unit); Mezzanine I-Beam Level	Tan boiler blocks	ND

Notes: Asbestos content equal to or greater than 1% requires abatement prior to demolition.
Shaded concentrations indicate material is asbestos-containing (≥ 1 asbestos).
* = indicates trace levels of asbestos were detected, but at concentrations of less than 1%
ND = none detected

Table 1
English Station
Asbestos Survey Analytical Results Summary

Sample ID	Sample Location	Sample Material Description	Asbestos Analytical Results
10-13-ASB-86 A, B, C	2 nd floor, Boiler Room (No. 7 & 3 Units)	Boiler pipe filler (cementitious)	ND
10-13-ASB-87 A, B, C	2 nd floor, Boiler Room (No. 11 & 4 Units)	Boiler pipe filler (mud-pack)	12% Chrysotile
10-13-ASB-88 A, B, C	4 th floor, Turbine Room; Overhead Crane Cab	Floor mat	ND
10-13-ASB-89 A, B, C	4 th floor, Boiler Room (No. 2 Unit)	Boiler top insulation (cement panels)	ND
10-13-ASB-90 A, B, C	4 th floor, Boiler Room (No. 2 Unit)	Gasket material	50% Chrysotile
10-13-ASB-91 A, B, C	4 th floor, Boiler Room (No. 1 Unit)	Boiler top insulation (mud-pack filler)	45% Chrysotile
10-13-ASB-92 A, B, C	4 th floor, Boiler Room (No. 1 Unit)	Boiler top insulation (pipe channeled brick)	ND
10-13-ASB-93 A, B, C	5 th floor, Coal Conveyor Belt	Conveyor belt	ND
10-13-ASB-94 A, B, C	2 nd floor, Boiler Room; South Mezzanine Level	"8" shaped boiler bricks	ND
10-14-ASB-95 A, B, C	4 th floor, Locker Room	Beige 12" x 12" floor tile	ND
10-14-ASB-96 A, B, C	4 th floor, Locker Room	Mastic from sample above	ND
10-14-ASB-97	3 rd floor, Conduit Room; Exhaust Fan	Vibration dampener (black rubber)	ND
10-14-ASB-98	3 rd floor, Conduit Room; Exhaust Fan	Vibration dampener (tan canvas)	ND
10-14-ASB-99	3 rd floor, Conduit Room; Fan Room	Black rubber hose	ND
10-14-ASB-100 A, B, C	4 th floor, Locker Room	4" brown vinyl baseboard	ND
10-14-ASB-101 A, B, C	4 th floor, Locker Room	Mastic from sample above	ND
10-14-ASB-102 A, B, C	2 nd floor, Northern Office Area	4" brown baseboard	ND
10-14-ASB-103 A, B, C	3 rd floor, Electric Repair Shop/Laboratory	6" dark gray baseboard	ND
10-14-ASB-104 A, B, C	3 rd floor, Electric Repair Shop/Laboratory	Mastic from sample above	ND
10-14-ASB-105 A, B, C	2 nd floor, North Office Area	4" gray baseboard	ND
10-14-ASB-106 A, B, C	2 nd floor, Turbine Room; Main Steam Pipe	Residue insulation	15% Chrysotile 10% Amosite
10-14-ASB-107 A, B, C	4 th floor, Switchgear Room; North Offices	Beige 5" x 12" building block	ND
10-15-ASB-108 A, B, C	4 th floor, Switchgear Room	2' x 4' acoustical ceiling tiles (type II)	ND
10-15-ASB-109 A, B, C	4 th floor, Switchgear Room; South Offices & Common Hall	Black 9" x 9" floor tile	10% Chrysotile
10-15-ASB-110 A, B, C	4 th floor, Switchgear Room; South Offices & Common Hall	Mastic from sample above	ND
10-15-ASB-111 A, B, C	4 th floor, Switchgear Room; North Office Area	Gray 9" x 9" floor tile	6.25% Chrysotile
10-15-ASB-112 A, B, C	4 th floor, Switchgear Room; North Office Area	Mastic from sample above	ND
10-15-ASB-113 A, B, C	4 th floor, Switchgear Room; Storage Closet	Pyrobar block	ND

Notes: Asbestos content equal to or greater than 1% requires abatement prior to demolition.

Shaded concentrations indicate material is asbestos-containing (≥ 1 asbestos).

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ND = none detected

Table 1
English Station
Asbestos Survey Analytical Results Summary

Sample ID	Sample Location	Sample Material Description	Asbestos Analytical Results
10-15-ASB-114 A, B, C	4 th floor; Switchgear Room; Storage Closet	Mortar associated with Pyrobar block	ND
10-15-ASB-115 A, B, C	4 th floor; Switchgear Room; South Offices & Common Hall	Ceiling tile glue daubs	ND
10-15-ASB-116 A, B, C	4 th floor; Switchgear Room	6" black baseboard - Type A	ND
10-15-ASB-117 A, B, C	4 th floor; Switchgear Room	Mastic from sample above	ND
10-15-ASB-118 A, B, C	4 th floor; Switchgear Room; South Offices & Common Hall	6" black baseboard - Type B	ND
10-15-ASB-119 A, B, C	4 th floor; Switchgear Room; South Offices & Common Hall	Mastic from sample above	ND
10-15-ASB-120 A, B, C	4 th floor; Switchgear Room; South Offices & Common Hall	Transite-like 6" black baseboard - Type C	20% Chrysotile
10-15-ASB-121 A, B, C	4 th floor; Switchgear Room; South Offices & Common Hall	Wallboard	70% Chrysotile
10-15-ASB-122 A, B, C, D	4 th floor; Locker Room	Plaster skim coat	ND
10-15-ASB-123 A, B, C, D	4 th floor; Locker Room	Plaster rough coat	ND
10-15-ASB-124 A, B, C	3 rd floor Conduit Room, Circular Fan	Air filter material	ND
10-19-ASB-125 A, B, C	Boiler Room; Roof B; Decking	Layer A; Tar and gravel	3.75% Chrysotile
10-19-ASB-126 A, B, C	Boiler Room; Roof B; Decking	Layer B; Tar paper	ND
10-19-ASB-127 A, B, C	Boiler Room; Roof B; Decking	Layer C; Tar paper	ND
10-19-ASB-128 A, B, C	Boiler Room; Roof B; Decking	Layer D; Tar paper	ND
10-19-ASB-129 A, B, C	Boiler Room; Roof B; Decking	Layer E; Tar paper	ND
10-19-ASB-130 A, B, C	Boiler Room; Roof B; Flashing	Layer A; Tar and gravel	ND
10-19-ASB-131 A, B, C	Boiler Room; Roof B; Flashing	Layer B; Tar paper	ND
10-19-ASB-132 A, B, C	Boiler Room; Roof B; Flashing	Layer C; Tar paper	ND
10-19-ASB-133 A, B	Boiler Room; Roof B; West Boiler Stack Pedestal	Layer A; Tar and gravel	10 % Chrysotile
10-19-ASB-134 A, B	Boiler Room; Roof B; West Boiler Stack Pedestal	Layer B; Tar paper	15 % Chrysotile
10-19-ASB-135 A, B	Boiler Room; Roof B; West Boiler Stack Pedestal	Layer C; Tar paper	10% Chrysotile
10-19-ASB-136 A, B	Boiler Room; Roof B; West Boiler Stack Pedestal	Layer D; Tar paper	10% Chrysotile
10-19-ASB-137	Boiler Room; Roof B; East Boiler Stack Pedestal	Layer A; Tar paper	10% Chrysotile
10-19-ASB-138	Boiler Room; Roof B; East Boiler Stack Pedestal	Layer B; Tar paper	35% Chrysotile
10-19-ASB-139	Boiler Room; Roof B; East Boiler Stack Pedestal	Layer C; Tar paper	35% Chrysotile
10-19-ASB-140 A, B, C	Boiler Room; Roof A; Decking	Layer A; Tar and gravel	5.5% Chrysotile

Notes: Asbestos content equal to or greater than 1% requires abatement prior to demolition.

Shaded concentrations indicate material is asbestos-containing (≥ 1 asbestos).

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Table 1
English Station
Asbestos Survey Analytical Results Summary

Sample ID	Sample Location	Sample Material Description	Asbestos Analytical Results
10-19-ASB-141 A, B, C	Boiler Room; Roof A; Decking	Layer B; Tar paper	ND
10-19-ASB-142 A, B, C	Boiler Room; Roof B; Parapet Wall Covering	Layer A; Tar	30% Chrysotile
10-19-ASB-143 A, B, C	Boiler Room; Roof B; Parapet Wall Covering	Layer B; Tar and tar paper	3.5% Chrysotile
10-19-ASB-144 A, B, C	Boiler Room; Roof A; Parapet Wall Covering	Layer A; Tar and tar paper	20% Chrysotile
10-19-ASB-145 A, B, C	Boiler Room; Roof A; Parapet Wall Covering	Layer B; Tar	25% Chrysotile
10-19-ASB-146 A, B	Smoke Stack	Black caulk	35% Chrysotile
10-19-ASB-147 A, B, C	Boiler Room; Roof A; Parapet Flashing	Layer A; Tar and felt	30% Chrysotile
10-19-ASB-148 A, B, C	Boiler Room; Roof A; Parapet Flashing	Layer B; Tar and paper (multiple layers; homogeneous)	20% Chrysotile
10-19-ASB-149 A, B, C	Boiler Room; Roof B; Parapet Flashing	Layer A; Tar and felt	30% Chrysotile
10-19-ASB-150 A, B, C	Boiler Room; Roof B; Parapet Flashing	Layer B; Tar and felt	30% Chrysotile
10-19-ASB-151 A, B, C	Boiler Room; Roof B; Parapet Flashing	Layer C; Tar and felt	15% Chrysotile
10-19-ASB-152 A, B, C	Boiler Room; Roof B; Parapet Flashing	Layer D; Tar and felt	15% Chrysotile
10-19-ASB-153 A, B	Boiler Room; Roof Vent Covering (36-inch)	Tar and felt	30% Chrysotile
10-19-ASB-154 A, B, C	Boiler Room; Roof Exhaust Flue Pedestals	Tar and felt (multiple layers; homogeneous)	15% Chrysotile
10-19-ASB-155 A, B	Boiler Room; Roof A; Stack Pedestal	Layer A; Rubber and canvas	8.0% Chrysotile
10-19-ASB-156 A, B	Boiler Room; Roof A; Stack Pedestal	Layer B; Tar and tar paper	20% Chrysotile
10-19-ASB-157 A, B, C	Boiler Room; Roof A; Sash Skylight; Wall Covering	Layer A; Tar and canvas	2.25% Chrysotile
10-19-ASB-158 A, B, C	Boiler Room; Roof A; Sash Skylight; Wall Covering	Layer B; Tar and gravel and tar paper	30% Chrysotile
10-19-ASB-159 A, B	Boiler Room; Roof A; Sash Skylight; Decking	Layer A; Rubber mat and tar	2.5% Chrysotile
10-19-ASB-160 A, B	Boiler Room; Roof A; Sash Skylight; Decking	Layer B; Tar, gravel and tar paper	1.75% Chrysotile
10-19-ASB-161 A, B	Boiler Room; Roof A; Sash Skylight; Flashing	Layer A; Tar and paper (multiple layers; homogeneous)	15% Chrysotile
10-19-ASB-162 A, B	Boiler Room; Roof A; Sash Skylight; Flashing	Layer B; Tar and paper (multiple layers; homogeneous)	10% Chrysotile
10-19-ASB-163 A, B	Boiler Room; Roof B; Sash Skylight; Flashing	Layer A; Tar and paper (multiple layers; homogeneous)	3.25% Chrysotile
10-19-ASB-164 A, B	Boiler Room; Roof B; Sash Skylight; Flashing	Layer B; Tar and paper (multiple layers; homogeneous)	10% Chrysotile

Notes: Asbestos content equal to or greater than 1% requires abatement prior to demolition.
Shaded concentrations indicate material is asbestos-containing (≥ 1 asbestos).
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Table 1
English Station
Asbestos Survey Analytical Results Summary

Sample ID	Sample Location	Sample Material Description	Asbestos Analytical Results
10-21-ASB-165 A, B	Turbine Room; Roof A (Turbines 1, 2, and 3); Decking	Layer A; Rubber and tar	1.5% Chrysotile
10-21-ASB-166 A, B	Turbine Room; Roof A (Turbines 1, 2, and 3); Decking	Layer B; Tar and cloth material	6.5% Chrysotile
10-21-ASB-167 A, B	Turbine Room; Roof A (Turbines 1, 2, and 3); Decking	Layer C; Tar, felt, and tar gravel (multiple layers; homogeneous)	10% Chrysotile
10-21-ASB-168 A, B	Turbine Room; Roof A (Turbines 1, 2, and 3); Decking	Layer D; Tar adhesive	ND
10-21-ASB-169 A, B	Turbine Room; Roof B (Turbines 4, 5, and 6); Decking	Layer A; Rubber and tar	ND
10-21-ASB-170 A, B	Turbine Room; Roof B (Turbines 4, 5, and 6); Decking	Layer B; Tar, felt, and tar gravel (multiple layers; homogeneous)	10% Chrysotile
10-21-ASB-171 A, B	Turbine Room; Roof B (Turbines 4, 5, and 6); Decking	Layer C; Tar adhesive	ND
10-21-ASB-182	Turbine Room; Roof B (Turbines 4, 5, and 6); Flashing	Layer A; Rubber and tar	10% Chrysotile
10-21-ASB-183	Turbine Room; Roof B (Turbines 4, 5, and 6); Flashing	Layer B; Thick cloth/tar backing	3.0% Chrysotile
10-21-ASB-184	Turbine Room; Roof B (Turbines 4, 5, and 6); Flashing	Layer A; Rubber and tar	1.8% Chrysotile
10-21-ASB-185	Turbine Room; Roof B (Turbines 4, 5, and 6); Flashing	Layer B; Tar/cloth backing	1.5% Chrysotile
10-21-ASB-186	Turbine Room; Roof B (Turbines 4, 5, and 6); Flashing	Layer C; Tar/cloth backing with assumed hard rubber on back Copper layer	10% Chrysotile
10-21-ASB-187 A, B	Turbine Room; Roof A (Turbines 1, 2, and 3); Flashing	Layer A; Rubber and tar	Trace*
10-21-ASB-188 A, B	Turbine Room; Roof A (Turbines 1, 2, and 3); Flashing	Layer B; Tar and cloth	3.8% Chrysotile
10-21-ASB-189 A, B	Turbine Room; Roof A (Turbines 1, 2, and 3); Parapet Wall Covering	Layer A; Rubber and tar	Trace*
10-21-ASB-190 A, B	Turbine Room; Roof A (Turbines 1, 2, and 3); Parapet Wall Covering	Layer B; Tar and cloth	3.3% Chrysotile 0.5% Anthophyllite
10-21-ASB-191 A, B	Turbine Room; Roof B (Turbines 4, 5, and 6); Parapet Wall Covering	Layer A; Rubber and tar	3.5% Chrysotile Trace Anthophyllite
10-21-ASB-192 A, B	Turbine Room; Roof B (Turbines 4, 5, and 6); Parapet Wall Covering	Layer B; Tar and cloth	4.8% Chrysotile
10-21-ASB-193 A, B	Switch House Roof, Decking	Layer A; Rubber and tar material	0.25% Chrysotile
10-21-ASB-194 A, B	Switch House Roof, Decking	Layer B; Tar and felt	6.5% Chrysotile

Notes: Asbestos content equal to or greater than 1% requires abatement prior to demolition.

Shaded concentrations indicate material is asbestos-containing (≥ 1 asbestos).

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Table 1
English Station
Asbestos Survey Analytical Results Summary

Sample ID	Sample Location	Sample Material Description	Asbestos Analytical Results
10-21-ASB-195 A, B	Switch House Roof, Decking	Layer C; Tar and cloth, (multiple layers; homogeneous)	4.0% Chrysotile
10-21-ASB-196 A, B	Switch House Roof, Decking	Layer D; Gravelly/tar concrete backing	1.3% Chrysotile
10-21-ASB-197 A, B	Switch House Roof, Flashing	Layer A; Tar and rubber	3.0% Chrysotile
10-21-ASB-198 A, B	Switch House Roof, Flashing	Layer B; Fibrous material and tar	2.3% Chrysotile
10-21-ASB-199 A, B	Switch House roof, Parapet Wall Covering	Cloth and tar	5.8% Chrysotile
10-21-ASB-200 A, B	Conduit Roof, Decking	Rubber and tar	0.25% Chrysotile
10-21-ASB-201 A, B	Conduit Roof, Flashing	Layer A; Rubber and tar Copper layer (east wall only)	0.25% Chrysotile
10-21-ASB-202 A, B	Conduit Roof, Flashing	Layer B; Tar and paper	2.8% Chrysotile
10-21-ASB-203 A, B	Conduit Roof, Parapet Wall	Rubber and tar	10% Chrysotile
10-22-ASB-223 A, B	Screen House 2; Decking	Layer A; Tar and gravel	2.0% Chrysotile
10-22-ASB-224 A, B	Screen House 2; Decking	Layer B; Tar and felt (multiple layers; homogeneous)	ND
10-22-ASB-225 A, B	Screen House 2; Flashing	Layer A; Tar and gravel	3.5% Chrysotile
10-22-ASB-226 A, B	Screen House 2; Flashing	Layer B; Tar and felt	10% Chrysotile
10-22-ASB-227 A, B	Screen House 2; Parapet Wall Covering	Tar and felt	20% Chrysotile
10-22-ASB-228 A, B	Screen House 1; Decking	Layer A; Tar and gravel	ND
10-22-ASB-229 A, B	Screen House 1; Decking	Layer B; Tar and felt (multiple layers; homogeneous)	ND
10-22-ASB-230 A, B	Screen House 1; Flashing	Layer A; Tar and cloth paper	15% Chrysotile
10-22-ASB-231 A, B	Screen House 1; Flashing	Layer B; Tar and felt	10% Chrysotile
10-22-ASB-232 A, B	Screen House 1; Parapet Wall Covering	Fibrous material with tar and felt backing	15% Chrysotile
10-22-ASB-233 A, B	Surge Tank Roof (north); Decking	Layer A; Rubber and tar	ND
10-22-ASB-234 A, B	Surge Tank Roof (north); Decking	Layer B; Tar and field (multiple layers; homogeneous)	ND
10-22-ASB-235 A, B	Surge Tank Roof (north); Flashing	Layer A; Rubber and tar	20% Chrysotile
10-22-ASB-236 A, B	Surge Tank Roof (north); Flashing	Layer B; Tar and felt	25% Chrysotile
10-22-ASB-237 A, B	Surge Tank Roof (north); Parapet Wall Covering	Layer A; Gravel and tar	30% Chrysotile
10-22-ASB-238 A, B	Conveyor Equipment Roof; Decking	Layer A; Gravel and tar	1.8% Chrysotile
10-22-ASB-239 A, B	Conveyor Equipment Roof; Decking	Layer B; Tar and felt	ND
10-22-ASB-240 A, B	Conveyor Equipment Roof; Flashing	Tar/cloth/fibrous material	1.5% Chrysotile
10-22-ASB-241 A, B	Conveyor Equipment Roof; Parapet Wall Covering	Tar/cloth/fibrous material	4.3% Chrysotile

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Table 1
English Station
Asbestos Survey Analytical Results Summary

Sample ID	Sample Location	Sample Material Description	Asbestos Analytical Results
10-22-ASB-242 A, B, C	Vent into High Pressure Boilers; Exhaust Flue	Breeching cement	5.8% Chrysotile
10-22-ASB-243 A, B, C	Vent into High Pressure Boilers; Vent exterior	Porthole gasket	85% Chrysotile
10-22-ASB-244 A, B, C	Boiler Room; Roof B; Smokestack; Exterior	Red brick	ND
10-22-ASB-245 A, B, C	Boiler Room; Roof B; Smokestack; Exterior	Tan brick	ND
10-22-ASB-246 A, B, C	Boiler Room; Roof B; Smokestack; Exterior	Mortar	ND
10-22-ASB-247 A, B, C	Boiler Room; Roof B; Smokestack; Interior	Gunnite	ND
10-22-ASB-248 A, B, C	Turbine Room; Roof B; Windows; East Side	Exterior caulking	3.8% Chrysotile
10-22-ASB-249 A, B, C	Turbine Room; Roof B; Windows; East Side	Exterior glazing	ND
10-22-ASB-250 A, B, C	Turbine Room; Roof B; Windows; East Side	Exterior fibrous material around the perimeter of windows	ND
10-22-ASB-251 A, B, C	Boiler Room; Roof B; Continuous Sash Skylight; Windows	Exterior glazing	Trace
10-22-ASB-252 A, B, C	Turbine Room; Roof A; Windows; East Side	Exterior caulking	3.5% Chrysotile
10-22-ASB-253 A, B, C	Turbine Room; Roof A; Windows; East Side	Exterior fibrous material around the perimeter of windows	ND
10-22-ASB-254 A, B, C	Boiler Room; Roof A; Continuous Sash Skylight; Windows	Exterior glazing	ND
10-22-ASB-255 A	Surge Tank; Exterior Siding	Corrugated Transite	25% Chrysotile
10-22-ASB-256 B, C	Surge Tank; Exterior Expansion Joint Caulk on Transite	Caulking	10% Chrysotile
10-22-ASB-257 A, B, C	Turbine Room; Area A; Windows; West Side	Exterior caulking	3.8% Chrysotile
10-22-ASB-258 A, B, C	Turbine Room; Area A; Windows; West Side	Exterior fibrous material around perimeter of windows	ND
10-22-ASB-259 A, B, C	Turbine Room; Area A; Windows; West Side	Expansion joint caulking and caulking on window sills	4.3% Chrysotile
10-25-ASB-264 A, B, C	Screen House 2; Roof Duct	Caulking around ventilation exhaust hatch	4.0% Chrysotile
10-25-ASB-265 A, B, C	Screen House 2; Roof Duct	Coating around grates of ventilation exhaust hatch	60% Chrysotile
10-25-ASB-268 A, B, C	Boiler Room; Roof A; Mini Sash Pitched Roof Skylight	Exterior glazing	ND
10-25-ASB-269 A, B, C	Boiler Room; Roof B; Coal Bunker Windows	Exterior glazing	ND

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Table 1
English Station
Asbestos Survey Analytical Results Summary

Sample ID	Sample Location	Sample Material Description	Asbestos Analytical Results
10-25-ASB-270 A, B, C	Ash Hopper Housing; Roof A; Window, East Side	Exterior caulking	4.8% Chrysotile
10-25-ASB-271 A, B, C	Surge Tank Room; Interior Wall	Transite paneling	25% Chrysotile
10-25-ASB-272 A, B	Surge Tank Roof (south); Decking	Fibrous material/tar and felt (single layer)	1.8% Chrysotile
10-25-ASB-273 A, B	Surge Tank Roof (south); Flashing	Layer A; Fibrous material and tar	4.3% Chrysotile
10-25-ASB-274 A, B	Surge Tank Roof (south); Flashing	Layer B; Fibrous material and tar	3.3% Chrysotile
10-25-ASB-275 A, B	Surge Tank Roof (south); Parapet Wall Covering	Cloth material, tar, and felt paper	5.8% Chrysotile
10-29-ASB-351 A, B	2 nd floor; Turbine Room; Office Area & Locker Room; Windows	Interior glazing	1.8% Chrysotile
10-29-ASB-352	2 nd floor; Turbine Room; Window looking out on turbine floor from offices	Interior caulking	ND
10-29-ASB-354 A, B, C	Low Pressure Turbine & Boiler Rooms; North Side of Building; Smaller Multi-Paned windows	Interior glazing	0.50% Chrysotile
10-29-ASB-355 A, B	Boiler Room; Area A; Large Multi-Paned Windows	Interior glazing	ND
10-29-ASB-356 A, B	Boiler Room; Area B; Large Multi-Paned Windows	Interior glazing	Trace*
10-29-ASB-357 A, B	Boiler Room; Area A; Large Multi-Paned Windows	Interior caulking	ND
10-29-ASB-358 A, B	Boiler Room; Area B; Large Multi-Paned Windows	Interior caulking	ND
10-29-ASB-362 A, B	1 st floor; Fuel Oil Pump/Heater Room	Interior glazing	Trace*
10-29-ASB-363	1 st /2 nd floor stairwell; Single Pane Windows	Interior glazing	Trace*
10-29-ASB-364	2 nd floor; Offices between No. 7 & 9 Units; Window	Interior glazing	ND
10-29-ASB-365	2 nd floor; Offices between No. 7 & 9 Units; Window	Interior caulking	ND
10-29-ASB-380	2 nd floor; Northern Side of Overhead Door; Windows	Interior glazing	ND
10-29-ASB-381	5 th floor; Coal Chute/Conveyor Area; Window	Exterior caulking	3.5% Chrysotile
10-29-ASB-382	5 th floor; Coal Chute/Conveyor Area; Window (Replaced)	Interior/Exterior glazing	ND
10-29-ASB-383	6 th floor; Skiff Hoist Motor and Pulley Room; Window	Interior glazing	ND
10-29-ASB-384	6 th floor; Skiff Hoist Motor and Pulley Room; Window	Interior glazing	ND
11-3-ASB-385 A, B, C	Surge Tank Room; Window	Exterior caulking	1.8% Chrysotile
11-3-ASB-386 A, B, C	Surge Tank Room; Window	Interior caulking	ND

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Table 1
English Station
Asbestos Survey Analytical Results Summary

Sample ID	Sample Location	Sample Material Description	Asbestos Analytical Results
11-3-ASB-392 A, B, C	2 nd floor, Bus Structures and Oil Circuit Breaker Compartments; Side Panels	Concrete	ND
11-3-ASB-393 A, B, C	2 nd floor, Bus Structures and Oil Circuit Breaker Compartments; Top and Bottom Panels	Alberene slabs	ND
11-4-ASB-433 A, B	1 st floor, Boiler Room; Area A; Window	Exterior caulking	15% Chrysotile
11-5-ASB-434 A, B	1 st floor, Boiler Room; Area B; Window	Exterior caulking	20% Chrysotile
11-5-ASB-435 A	1 st floor, Boiler Room; Area A; Window	Exterior Asphalt caulking	20% Chrysotile
11-5-ASB-436	1 st floor, Boiler Room; Area B; Window	Exterior Asphalt caulking	10% Chrysotile
11-5-ASB-457 A, B	Screen House 2; Window, On Floor	Interior glazing	0.25% Chrysotile
11-5-ASB-458 A, B	Screen House 2; Window, Type A	Exterior caulking	2.0% Chrysotile
11-5-ASB-459 A, B	Screen House 2; Window, Type B	Exterior caulking	0.5% Chrysotile
11-5-ASB-460 A, B	Screen House 1; Window	Interior glazing	0.8% Chrysotile
11-5-ASB-461 A, B	Screen House 1; Window, Type A	Exterior caulking	4.2% Chrysotile
11-5-ASB-462 A, B	Screen House 1; Window, Type B	Exterior caulking	1.2% Chrysotile
11-5-ASB-468 A, B	Screen House 2; Door	Exterior caulking	4.0% Chrysotile
11-5-ASB-469 A, B	Screen House 1; Door	Exterior caulking	Not received; assumed positive
11-5-ASB-470	Screen House 1	Canvas wind barrier	ND
11-5-ASB-477 A, B	Coal Ash Hoopers	Interior skimcoat	ND
11-5-ASB-478 A, B	Coal Ash Hoopers	Exterior skimcoat	ND
11-10-ASB-481 A, B, C	4 th floor, Switchboard Room	Fibrous wall covering (over Pyrobar block wall)	2.8% Chrysotile
11-10-ASB-482 A, B	4 th floor, Switchboard Room; Window	Interior caulking	10% Chrysotile
11-10-ASB-483 A, B	2 nd floor, Electrical Repair Shop; Air Heater Blower Unit	Pipe wrap insulation	5.5% Chrysotile
High Pressure Boiler/Turbine Areas			
10-6-ASB-17 A	1 st floor, New Boiler Heating Room; Windows	Exterior glazing	ND
10-21-ASB-172 A, B	Turbine Room; Roof C (Turbine 7); Decking	Layer A; Rubber and tar	ND
10-21-ASB-173 A, B	Turbine Room; Roof C (Turbine 7); Decking	Layer B; Tar adhesive	ND
10-21-ASB-174 A, B	Turbine Room; Roof D (Turbine 8); Decking	Layer A; Tar and rubber	ND
10-21-ASB-175 A, B	Turbine Room; Roof D (Turbine 8); Decking	Layer B; Tar and felt (multiple layers; homogeneous)	ND
10-21-ASB-176 A, B	Turbine Room; Roof C (Turbine 7); Decking	Layer C; Tar with fibrous	ND
10-21-ASB-177 A, B	Turbine Room; Roof D (Turbine 8); Flashing	Layer A; Rubber and tar	20% Chrysotile

Notes: Asbestos content equal to or greater than 1% requires abatement prior to demolition.

Shaded concentrations indicate material is asbestos-containing (≥ 1 asbestos).

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ND = none detected

Table 1
English Station
Asbestos Survey Analytical Results Summary

Sample ID	Sample Location	Sample Material Description	Asbestos Analytical Results
10-21-ASB-178 A, B	Turbine Room; Roof D (Turbine 8); Flashing	Layer B; Thick felt paper and tar	ND
10-21-ASB-179 A, B	Turbine Room; Roof D (Turbine 8); Flashing	Layer C; Tar felt with tar granules in between layers (multiple layers, homogeneous)	ND
10-21-ASB-180 A, B	Turbine Room; Roof C (Turbine 7); Flashing	Layer A; Rubber and tar	Trace*
10-21-ASB-181 A, B	Turbine Room; Roof C (Turbine 7); Flashing	Layer B; Felt backing	15% Chrysotile
10-21-ASB-204 A, B	Reactor Roof, Decking	Layer A; Rubber and tar	Trace*
10-21-ASB-205 A, B	Reactor Roof, Decking	Layer B; Gravel and tar	ND
10-21-ASB-206 A, B	Reactor Roof, Decking	Layer C; Tar and felt	ND
10-21-ASB-207 A, B	Reactor Roof, Flashing	Rubber and tar	15% Chrysotile
10-21-ASB-208	Reactor Roof, Ventilator Siding	Layer A; Tar/cloth wrapping	35% Chrysotile
10-21-ASB-209	Reactor Roof, Ventilator Siding	Layer B; Rubber, tar and felt	25% Chrysotile
10-21-ASB-210 A, B	Screen House 3; Decking	Layer A; Heavy tar and gravel	ND
10-21-ASB-211 A, B	Screen House 3; Decking	Layer B; Tar and felt (multiple layers; homogenous)	ND
10-21-ASB-212 A, B	Screen House 3; Decking	Layer C; Gravelly tar/ tarred gravel	ND
10-21-ASB-213 A, B	New Boiler Room; Roof A; Decking	Layer A; Rubber and tar	0.5% Chrysotile
10-21-ASB-214 A, B	New Boiler Room; Roof A; Decking	Layer B; Gravelly tar/ tarred gravel	0.75% Chrysotile
10-21-ASB-215 A, B	New Boiler Room; Roof A; Decking	Layer C; Felt and tar	ND
10-21-ASB-216 A, B	New Boiler Room; Roof A; Flashing	Layer A; Rubber and tar Copper layer	15% Chrysotile
10-21-ASB-217 A, B	New Boiler Room; Roof A; Flashing	Layer B; Rubber, felt, & tar material	8.8% Chrysotile
10-22-ASB-218 A, B	New Boiler Room; Roof B; Decking	Layer A; Rubber and tar	0.25% Chrysotile
10-22-ASB-219 A, B	New Boiler Room; Roof B; Decking	Layer B; Gravelly tar/ tarred gravel	ND
10-22-ASB-220 A, B	New Boiler Room; Roof B; Decking	Layer C; Tar and felt (multiple layers; homogeneous)	ND
10-22-ASB-221 A, B	New Boiler Room; Roof B; Flashing	Layer A; Rubber and tar	15% Chrysotile
10-22-ASB-222 A, B	New Boiler Room; Roof B; Flashing	Layer B; Tar and felt	10% Chrysotile
10-22-ASB-255 B, C	Exterior Siding	Corrugated Transite	25% Chrysotile
10-22-ASB-256 C	Exterior Expansion Joint Caulk on Transite	Caulking	10% Chrysotile
10-25-ASB-260 A, B, C	Reactor Room; Bricked in ¼-Round Windows	Expansion joint caulking	3.8% Chrysotile
10-25-ASB-261 A	Reactor Room; Windows	Exterior caulking	4.8% Chrysotile

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Table 1
English Station
Asbestos Survey Analytical Results Summary

Sample ID	Sample Location	Sample Material Description	Asbestos Analytical Results
10-25-ASB-262 A	Reactor Room; Windows	Exterior glazing	Trace*
10-25-ASB-263	New Boiler Room; Roof B; Partition Wall	Asphalt Caulking	5.3% Chrysotile
10-25-ASB-266 A, B, C	New Boiler Room; Roof A; Window	Exterior caulking	2.8% Chrysotile
10-25-ASB-267 A, B, C	New Boiler Room; Roof A; Windows	Exterior glazing	0.75% Chrysotile
10-26-ASB-276 A, B	Boiler No. 13 Roof; Elevation 119 feet; Decking	Layer A; Gravelly tar/tarred gravel	Trace*
10-26-ASB-277 A, B	Boiler No. 13 Roof; Elevation 119 feet; Decking	Layer B; Gravelly tar/tarred gravel	ND
10-26-ASB-278 A, B	Boiler No. 13 Roof; Elevation 119 feet; Flashing	Layer A; Rubber, tar, cloth	6.3% Chrysotile
10-26-ASB-279 A, B	Boiler No. 13 Roof; Elevation 119 feet; Flashing	Layer B; Tar and felt (multiple layers; homogeneous)	ND
10-26-ASB-280 A, B	Boiler No. 14 Roof; Elevation 119 feet; Decking	Layer A; Rubber and tar	Trace*
10-26-ASB-281 A, B	Boiler No. 14 Roof; Elevation 119 feet; Decking	Layer B; Gravelly tar/tarred gravel	ND
10-26-ASB-282 A, B	Boiler No. 14 Roof; Elevation 119 feet; Decking	Layer C; Felt and tar (multiple layers homogeneous)	ND
10-26-ASB-283 A, B	Boiler No. 14 Roof; Elevation 119 feet; Flashing	Layer A; Rubber and tar	8.5% Chrysotile
10-26-ASB-284 A, B	Boiler No. 14 Roof; Elevation 119 feet; Flashing	Layer B; Felt, paper and tar (multiple layers homogeneous)	7.0% Chrysotile
10-26-ASB-285 A, B, C	Boiler No. 14 Roof; Elevation 119 feet; Parapet Wall	Felt and tar	ND
10-26-ASB-285 A	Boiler No. 14 Roof; Elevation 119 feet; Parapet Wall	Black tar from above	18% Chrysotile
10-26-ASB-285 A	Boiler No. 14 Roof; Elevation 119 feet; Parapet Wall	Tan fibrous material from above	45% Chrysotile
10-26-ASB-286 A, B	Boiler No. 13 Roof; Elevation 136 feet; Decking	Tar and gravel	ND
10-26-ASB-287 A, B	Boiler No. 13 Roof; Elevation 136 feet; Flashing	Layer A; Tar and felt (multiple layers; homogeneous); copper covering tar and felt	2.5% Chrysotile
10-26-ASB-288 A, B, C	Boiler No. 13 Roof; Elevation 136 feet; Parapet Wall	Felt and tar	1.8% Chrysotile
10-26-ASB-289 A, B	Boiler No. 13; Elevation 146 feet; Decking	Layer A; Rubber and tar	Trace*
10-26-ASB-290 A, B	Boiler No. 13; Elevation 146 feet; Decking	Layer B; Gravelly tar	ND
10-26-ASB-291 A, B	Boiler No. 13; Elevation 146 feet; Decking	Layer C; Tar, felt and paper (multiple layers; homogeneous)	ND
10-26-ASB-292 A, B	Boiler 13; Elevation 146 feet; Flashing	Layer A; Tar, cloth, rubber Copper layer	4.5% Chrysotile
10-26-ASB-293 A, B	Boiler 13; Elevation 146 feet; Flashing	Layer B; Tar, felt, and paper (multiple layers; homogeneous)	ND

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Table 1
English Station
Asbestos Survey Analytical Results Summary

Sample ID	Sample Location	Sample Material Description	Asbestos Analytical Results
10-26-ASB-294 A, B	Boiler 13; Elevation 103 feet; Decking	Layer A; Tar and rubber	Trace*
10-26-ASB-295 A, B	Boiler 13; Elevation 103 feet; Decking	Layer B; Gravelly tar	ND
10-26-ASB-296 A, B	Boiler 13; Elevation 103 feet; Decking	Layer C; Tar, felt paper	ND
10-26-ASB-297 A, B	Boiler 13; Elevation 103 feet; Flashing	Layer A; Tar, cloth, rubber	5.0% Chrysotile
10-26-ASB-298 A, B	Boiler 13; Elevation 103 feet; Flashing	Layer B; Felt and tar	ND
10-26-ASB-299 A, B	Boiler 14; Elevation 103 feet; Decking	Layer A; Tar and rubber	Trace*
10-26-ASB-300 A, B	Boiler 14; Elevation 103 feet; Decking	Layer B; Gravelly tar/tarred gravel	ND
10-26-ASB-301 A, B	Boiler 14; Elevation 103 feet; Flashing	Layer A; Tar and cloth	3.8% Chrysotile
10-26-ASB-302 A, B	Boiler 14; Elevation 103 feet; Flashing	Layer B; Tar and felt (multiple layers, homogeneous)	ND
10-26-ASB-303 A, B	Boiler 13; North End; Pitched Roof; Elevation 103 feet; Decking	Layer A; Gravel, tar, and felt paper	ND
10-26-ASB-304 A, B	Boiler 13; North End; Pitched Roof; Elevation 103 feet; Decking	Layer B; Pumus like insulation	ND
10-26-ASB-305 A, B	Boiler 13; North End; Pitched Roof; Elevation 103 feet; Flashing	Felt, paper, tar	ND
10-26-ASB-306 A, B	Boiler 14; Elevation 119 feet; Decking	Tar and gravel	ND
10-26-ASB-307 A, B	Boiler 14; Elevation 119 feet; Flashing	Felt and tar (multiple layers; homogeneous)	ND
10-26-ASB-308 A, B	Boiler 14; Elevation 136 feet; Decking	Tar and gravel	ND
10-26-ASB-309 A, B	Boiler 14; Elevation 136 feet; Flashing	Tar and felt paper	ND
10-26-ASB-310 A, B	Boiler 14; Elevation 146 feet; Decking	Tar and gravel	ND
10-26-ASB-311 A, B	Boiler 14; Elevation 146 feet; Flashing	Tar and felt paper (multiple layers; homogeneous)	ND
10-26-ASB-312 A, B	Boiler 14; Elevation 103 feet; Decking	Layer A; Tar and gravel	ND
10-26-ASB-313 A, B	Boiler 14; Elevation 103 feet; Decking	Layer B; Tar and felt (multiple layer, homogeneous)	ND
10-26-ASB-314 A, B	Boiler 14; Elevation 103 feet; Flashing	Tar and felt (multiple layers; homogeneous)	ND
10-27-ASB-315	1 st floor, [New Reactor Room] ✕	Electrical conduit (transite)	28% Chrysotile 4% Crocidolite
10-27-ASB-316 A, B, C	1 st floor, New Reactor Room	Floor panels (transite)	25% Chrysotile
10-27-ASB-317 A, B, C	1 st floor, New Reactor Room	Plaster	ND
10-27-ASB-318	1 st floor, Main Ash Duct Access Port ✕ ✕	Gasket	68% Chrysotile
10-27-ASB-319	1 st floor, Primary Ash Pipes ✕ ✕	Cementitious gasket	3.5% Chrysotile
10-28-ASB-320	1 st floor, Oil Pump Room; Pipe in Trench	Pipe insulation	ND
10-28-ASB-321	1 st floor, Oil Pump Room	Wall panel	20% Chrysotile
10-28-ASB-322 A, B, C	2 nd floor, Turbine (No. 7 Unit); Beneath Orange Cover	Turbine conveer insulation	85% Chrysotile

✕ HIGH PRESSURE SWITCHGEAR ROOM

Notes: Asbestos content equal to or greater than 1% requires abatement prior to demolition.

Shaded concentrations indicate material is asbestos-containing (≥ 1 asbestos).

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✕ ✕ AIR REMOVAL TRAP/PORT PIPE FROM PRIMARY AIR DUCT HEATER

Table 1
English Station
Asbestos Survey Analytical Results Summary

Sample ID	Sample Location	Sample Material Description	Asbestos Analytical Results
10-28-ASB-323 A, B, C	Turbine room; shrink wrap on door gage room	Shrink wrap barrier	ND
10-28-ASB-324 A, B, C	2 nd floor; Ladies room	Brown 12" x 12" floor tile	ND
10-28-ASB-324 A, B, C	2 nd floor; Ladies room	Black mastic from above	ND
10-28-ASB-325 A, B, C	2 nd floor; Gage Board Room (No. 7 Unit)	Green 9" x 9" floor tile	3.3% Chrysotile
10-28-ASB-325 A	2 nd floor; Gage Board Room (No. 7 Unit)	Black mastic from above	ND
10-28-ASB-326 A, B, C	2 nd floor; Gage Board Room (No. 7 Unit)	2' x 2' ceiling tile	ND
10-28-ASB-327 A, B, C	2 nd floor; Gage Board Room (No. 7 Unit)	6" baseboard and mastic	ND
10-28-ASB-327 A, B, C	2 nd floor; Gage Board Room (No. 7 Unit)	Yellow mastic from above	ND
10-28-ASB-328 A, B, C	2 nd floor; Gage Board Room (No. 7 Unit)	Wool insulation behind 12" metal panels	ND
10-28-ASB-329 A, B, C	2 nd floor; Office No. 1 (Maria's Office)	Tan 9" x 9" floor tile	1.8% Chrysotile
10-28-ASB-329 A, B, C	2 nd floor; Office No. 1 (Maria's Office)	Yellow mastic from sample above	ND
10-28-ASB-330 A, B, C	2 nd floor; Office No. 1 (Maria's Office)	4" baseboard and mastic	ND
10-28-ASB-330 A, B, C	2 nd floor; Office No. 1 (Maria's Office)	Cream mastic from above	ND
10-28-ASB-331 A, B, C	2 nd floor; Office No. 1 (Maria's Office)	2' x 2' ceiling panels	ND
10-28-ASB-332 A, B, C	2 nd floor; Office No. 1 (Maria's Office)	12" x 12" ceiling tiles	ND
10-28-ASB-333 A, B, C	2 nd floor; Office No. 1 (Maria's Office)	Fibrous wall panels	ND
10-29-ASB-334	1 st floor; Boiler No. 14; Cooling Water Pipe on Turbine Oil Tank	Pipe gasket	ND
10-29-ASB-335	1 st floor; Boiler No. 14; Air Exhaust Control Valve	Pipe gasket	ND
10-29-ASB-336	1 st floor; Boiler No. 14; Ash Hoppers	Door gasket	55% Chrysotile
10-29-ASB-337	2 nd floor; Gage Board Room (No. 7 Unit); Exterior	Wall board	25% Chrysotile
10-29-ASB-338	2 nd floor; Gage Board Room (No. 7 Unit); Wall/Electrical Conduit Fill Material	Tar	18% Chrysotile
10-29-ASB-339	3 rd floor; Boiler No. 14; Air Cleaner Room; Intake Fan	Vibration dampener	45% Chrysotile
10-29-ASB-340	3 rd floor; Boiler No. 14; Air Cleaner Room; Intake Fan	Door gasket	ND
10-29-ASB-341	3 rd floor; Boiler No. 14; Air Cleaner Room; Intake Fan	Air filter	ND
10-29-ASB-342	Boiler No. 14; Coal Scale Mechanism	Door gasket	ND
10-29-ASB-343	Boiler No. 14; Coal Scale Mechanism	Wire insulation	ND
10-29-ASB-344	5 th floor; Boiler No. 13; Pipe Breach in Ash Vacuum Tank Room	Canvas mat	50% Chrysotile
10-29-ASB-345	5 th floor; Boiler No. 13; Ash Vacuum Tank	Tank vacuum gasket (white)	3.5% Chrysotile
10-29-ASB-346	5 th floor; Boiler No. 13; Ash Vacuum Tank	Tank vacuum gasket (grey)	4.3% Chrysotile

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Table 1
English Station
Asbestos Survey Analytical Results Summary

Sample ID	Sample Location	Sample Material Description	Asbestos Analytical Results
10-29-ASB-347	5 th floor, Boiler No. 13; Ash Vacuum Tank	Vacuum duct putty	28% Chrysotile
10-29-ASB-348 A, B, C	5 th floor, Boiler No. 13; Ash Vacuum Tank	Vacuum tank gasket (black)	ND
10-29-ASB-349	5 th floor, Boiler No. 13; Ash Silo; Vacuum Tank Room	Rounded transite panels	25% Chrysotile
10-29-ASB-350	5 th floor, Boiler No. 13; Ash Vacuum Tank	Wall insulation	ND
10-29-ASB-353 A, B, C	6 th floor, Boiler No. 13; Hear-Here Phone Box	Glue daubs	ND
10-29-ASB-359 A, B, C	6 th floor, Boiler No. 13; Wall Boarding Low Pressure Boilers	Plaster/cement	ND
11-4-ASB-360 A, B, C	1 st floor, Ash Silo Area; Boxed Material	Pipe insulation	ND
10-29-ASB-361	6 th floor, Boiler No. 14; Southeast Stairwell	Transite wall panel	38% Chrysotile
10-29-ASB-361	6 th floor, Boiler No. 14; Southeast Stairwell	Grey caulk from above	4.2% Chrysotile
11-3-ASB-366 A, B, C	9 th floor, Boiler No. 13; Precipitator Exterior Wall (beneath tin jacket)	Exterior jacket insulation	10% Chrysotile 10% Amosite
11-3-ASB-367 A, B, C	9 th floor, Boiler No. 13; Precipitator Exterior Wall (beneath tin jacket)	Tar outer coating of above	20% Chrysotile
11-3-ASB-368	Boiler No. 13; Elevation 136 feet; Parapet Wall	Flat transite panel	25% Chrysotile
11-3-ASB-369 A, B, C	Screen House 3; Decking	Layer A; Tar	ND
11-3-ASB-370 A, B, C	Screen House 3; Decking	Layer B; Tar paper	ND
11-3-ASB-371 A, B	Former Ash Silo Office Roof; Decking	Layer A; Top roof membrane	Trace*
11-3-ASB-372 A, B	Former Ash Silo Office Roof; Decking	Layer B; Tar roofing below	3.5% Chrysotile
11-3-ASB-373 A, B	Former Ash Silo Office Roof; Flashing	Tar	10% Chrysotile
11-3-ASB-374 A, B, C	Fuel Oil Heater Room; High Pressure Boilers; Flashing	Layer A; Paper barrier	Trace*
11-3-ASB-375 A, B, C	Fuel Oil Heater Room; High Pressure Boilers; Flashing	Layer B; Tar backing	ND
11-3-ASB-376 A, B, C	Fuel Oil Heater Room; High Pressure Boilers; Decking	Layer A; Roofing tar paper	ND
11-3-ASB-377 A, B, C	Fuel Oil Heater Room; High Pressure Boilers; Flashing	Layer B; Roofing insulation below	ND
11-3-ASB-378 A, B, C	Fuel Oil Heater Room; High Pressure Boilers; Air Handling Unit	Tar	20% Chrysotile
11-3-ASB-379 A, B, C, D, E, F	Boiler No. 13; Wall Bordering Low Pressure Boilers (various floors)	Wall cement/plaster	ND
11-3-ASB-387	1 st floor, Boiler No. 14; Interior South Wall	Flat transite panel	25% Chrysotile
11-3-ASB-391	4 th floor, Ash Silo Vacuum Tank Room; Vacuum Pipe	Cement Gasket	18% Chrysotile
11-4-ASB-409 A, B	Screen House 4; Lower Roof; Decking	Layer A; Tarred gravel/gravelly tar	ND

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Table 1
English Station
Asbestos Survey Analytical Results Summary

Sample ID	Sample Location	Sample Material Description	Asbestos Analytical Results
11-4-ASB-410 A, B, C	1 st floor, Boiler No. 13; Ash Silo Area; Boxed Material	Boxed jacket insulation	ND
11-4-ASB-411 A, B	Screen House 4; Lower Roof; Decking	Layer B; Felt and tar (multiple layers; homogeneous)	ND
11-4-ASB-412 A, B	Screen House 4; Lower Roof; Flashing	Felt and tar	ND
11-4-ASB-413 A, B	1 st floor, Screen House; West Windows	Interior caulking	ND
11-4-ASB-414 A, B	Screen House 4; Upper Roof; West Decking	Tar and felt (multiple layers; homogeneous)	7.5% Chrysotile
11-4-ASB-415 A, B	Screen House 4; Upper Roof; East Decking	Layer A; Rubber/tar	25% Chrysotile
11-4-ASB-416 A, B	Screen House 4; Upper Roof; East Decking	Layer B; Felt and tar (multiple layers; homogeneous)	18% Chrysotile
11-4-ASB-417 A, B	Screen House 4; Upper Roof; East decking	Layer C; Brown fibrous filling	ND
11-4-ASB-418 A, B	Screen House 4; Upper Roof; East Decking	Layer D; Tan adhesive	ND
11-4-ASB-419 A, B	Screen House 4; Upper Roof; West Flashing	Tar/felt/cloth	18% Chrysotile
11-4-ASB-420 A, B	Screen House 4; Upper Roof; East Flashing	Tar/felt/coth	15% Chrysotile
11-4-ASB-421 A, B	3 rd floor, Boiler No. 13; Multipaned Windows	Interior caulking	4.8% Chrysotile
11-4-ASB-422 A, B	5 th floor, Boiler No. 13; North Windows	Exterior glazing	0.5% Chrysotile
11-4-ASB-423 A, B	Screen House 4; Upper Roof; West Parapet Wall	Cloth and tar	3.5% Chrysotile
11-4-ASB-424 A, B	Screen House 4; Upper Roof; West/East Partition Wall; Flashing	Felt/tar (multiple layers; homogeneous)	15% Chrysotile
11-4-ASB-425 A, B	6 th floor, Boiler No. 14; Multiple Paned Windows	Exterior glazing	Trace*
11-5-ASB-429 A, B, C	2 nd floor, Boiler No. 13; Abandoned Locker Room/Hallway	Tan 12" x 12" floor tile	ND
11-5-ASB-430 A, B, C	2 nd floor, Boiler No. 13; Abandoned Locker Room/Hallway	Mastic from sample above	0.50% Chrysotile
11-5-ASB-431 A, B, C	2 nd floor, Boiler No. 13; Abandoned Locker Room/Hallway/ Hallway Closet	Red 12" x 12" floor tile	8.0% Chrysotile
11-5-ASB-432 A, B, C	2 nd floor, Boiler No. 13; Abandoned Locker Room/Hallway/ Hallway Closet	Mastic from sample above	ND
11-5-ASB-437	2 nd floor, Boiler No. 13; Hallway Closet	Black 24" x 6" floor tile	15% Chrysotile
11-5-ASB-438	2 nd floor, Boiler No. 13; Hallway Closet	Mastic from sample above	ND
11-5-ASB-439A, B, C	2 nd floor, Boiler No. 13; Abandoned Locker Room/Hallway	4 " Black painted, brown vinyl baseboard	ND
11-5-ASB-440 A, B, C	2 nd floor, Boiler No. 13; Abandoned Locker Room/Hallway	Mastic from sample above	ND
11-5-ASB-441	2 nd floor, Boiler No. 13; Hallway/ Hallway Closet	Transite paneling	25% Chrysotile

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Table 1
English Station
Asbestos Survey Analytical Results Summary

Sample ID	Sample Location	Sample Material Description	Asbestos Analytical Results
11-5-ASB-442 A, B	1 st floor; Boiler No. 14; South Side Windows	Exterior caulking	1.5% Chrysotile
11-5-ASB-445 A, B	Screen House 4; Windows	Exterior glazing	ND
11-5-ASB-446 A, B	Screen House 4; Windows	Exterior caulking	1.5% Chrysotile
11-5-ASB-453 A, B	Screen House 3; Windows	Exterior glazing	ND
11-5-ASB-454 A, B	Screen House 3; Windows	Exterior caulking	3.8% Chrysotile
11-5-ASB-455 A, B	1 st floor; New Boiler Heating Room; Windows	Exterior glazing	ND
11-5-ASB-456 A, B	1 st floor; New Boiler Heating Room; Windows	Exterior caulking	3.5% Chrysotile
11-5-ASB-479 A, B	3 rd floor; Boiler Room Roof Looking at High-Pressure Side; Lead Door Backing	Exterior; Adhesive to transite paneling	2.3% Chrysotile
11-18-ASB-594 A, B	2 nd floor Mezzanine; Boiler No. 13; East Wall Block Windows	Interior caulking	3.3% Chrysotile
11-18-ASB-595 A, B	2 nd floor Mezzanine; Boiler No. 14; East Wall Block Windows	Interior caulking	5.5% Chrysotile
11-18-ASB-596 A, B	1 st floor; Boiler No. 13 & 14; Main Pulverisor 36" Air Duct	Pipe insulation residue	48% Chrysotile 1% Amosite
Station B			
11-12-ASB-484 A, B, C	1 st floor; Southwest Office Area	Mastic associated with sample # 643 (brown baseboard)	ND
11-12-ASB-485 A, B, C	1 st floor; East Central Office Area	2' x 4' swirl ceiling tile	ND
11-12-ASB-486 A, B, C	1 st floor; Kitchen & Northeast Office Area	2' x 4' dotted ceiling tile	ND
11-15-ASB-487 A, B, C	1 st floor; Kitchen, Northeast Office, & East Central Office Areas	Dark brown glue daubs associated with ceiling tiles	ND
11-15-ASB-488 A, B, C	1 st floor; Kitchen & Northeast Office Area	12" x 12" ceiling tiles	ND
11-15-ASB-489 A, B, C	1 st floor; Kitchen & Bathroom; Faux Wall Board	Glue backing	ND
11-15-ASB-490 A, B	1 st floor; Kitchen & Bathroom; Faux Wall Board	Fiber board	ND
11-15-ASB-491 A, B	1 st floor; Kitchen	Plaster skim coat	2.3% Chrysotile
11-15-ASB-492 A, B	1 st floor; Kitchen	Plaster rough coat	ND
11-15-ASB-493 A, B, C	1 st floor; Northeast office	Gypsum board	ND
11-15-ASB-494 A, B, C	1 st floor; Northeast office	Joint compound	3.8% Chrysotile
11-15-ASB-495 A, B, C	1 st floor; Office 4, Office 2, Office 1	White 12" x 12" floor tile	ND
11-15-ASB-496 A, B, C	1 st floor; Office 4, Office 2, Office 1	Mastic from sample above	ND
11-15-ASB-497 A, B, C	1 st floor; Office 4, Office 2, Office 1	Yellow 12" x 12" floor tile	ND
11-15-ASB-498 A, B, C	1 st floor; Office 4, Office 2, Office 1	Mastic from sample above	ND
11-15-ASB-499 A, B, C	1 st floor; Office 4, Office 2, Office 1	4" brown baseboard	ND
11-15-ASB-500 A, B, C	1 st floor; Office 4, Office 2, Office 1	Mastic from sample above	ND

Notes: Asbestos content equal to or greater than 1% requires abatement prior to demolition.
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DEC 27 1999

**Table 1
English Station
Asbestos Survey Analytical Results Summary**

Sample ID	Sample Location	Sample Material Description	Asbestos Analytical Results
11-15-ASB-501 A, B, C	1 st floor, Office 2, Office 4, Office 3	2' x 2' ceiling tile	ND
11-15-ASB-502 A, B, C	1 st floor, Office 1	2' x 4' ceiling tile	ND
11-15-ASB-503 A, B, C	1 st floor, Offices 1- 4	Gypsum board	ND
11-15-ASB-503 A, B, C	1 st floor, Offices 1- 4	Joint compound from above	ND
11-15-ASB-504 A, B, C	1 st floor, Office 3	6" brown baseboard	ND
11-15-ASB-505 A, B, C	1 st floor, Office 3	Mastic from sample above	ND
11-15-ASB-506 A, B, C	1 st floor, Ladies Northeast Locker Room	Brown linoleum	10% Crocidolite
11-15-ASB-506 A, B, C	1 st floor, Ladies Northeast Locker Room	Mastic from sample above	ND
11-15-ASB-507 A, B, C	1 st floor, Ladies Northeast Locker Room	Beige 12" x 12" floor tile	ND
11-15-ASB-507 A, B, C	1 st floor, Mens Northeast Locker Room	Tan mastic from sample above	ND
11-15-ASB-508 A, B, C	1 st floor, Mens Northeast Locker Room	Light green floor tile	1.8% Crocidolite
11-15-ASB-508 A, B, C	1 st floor, Mens Northeast Locker Room	Black mastic from sample above	2.3% Crocidolite
11-15-ASB-509 A, B	1 st floor, Mens Northeast Locker Room	Grey floor tile	3.8% Chrysotile
11-15-ASB-509 A, B	1 st floor, Mens Northeast Locker Room	Black mastic from sample above	ND
11-15-ASB-510 A, B, C	1 st floor, Mens Northeast Locker Room	Black floor tile	4.5% Chrysotile
11-15-ASB-510 A, B, C	1 st floor, Mens Northeast Locker Room	Black mastic from sample above	8.3% Chrysotile
11-15-ASB-511 A, B, C	1 st floor mezzanine, Above Locker Room	Carpet mastic	ND
11-15-ASB-512 A, B, C	1 st floor, 8" Sewer Pipes	Layer A; Paper wrapping	ND
11-15-ASB-513 A, B, C	1 st floor, 8" Sewer Pipes	Layer B; Fibrous pipe covering	ND
11-15-ASB-514 A, B, C	1 st floor, Ladies Northeast Locker Room	2' x 4' acoustical ceiling panels	ND
11-15-ASB-515 A, B, C	1 st floor, Map Storage Area	4" black baseboard w/mastic	ND
11-15-ASB-516 A, B, C	Switchgear Room Roof, Decking	Layer A; Fibrous felt/tar, homogenous	0.50% Chrysotile
11-15-ASB-517 A, B	Switchgear Room Roof, Decking	Layer B; White fibrous insul.	ND
11-15-ASB-518 A, B	Switchgear Room Roof, Decking	Layer C; Pink Red paper	ND
11-15-ASB-519 A, B	Switchgear Room Roof, Decking	Fibrous Felt/tar, (multiple layer, homogeneous)	ND
11-15-ASB-520 A, B	Switchgear Room Roof, Flashing Against Parapet Wall	Layer A; Fibrous felt	10% Chrysotile
11-15-ASB-521 A, B	Switchgear Room Roof, Flashing Against Parapet Wall	Layer B; Brown fibrous felt	ND
11-15-ASB-522 A, B	Switchgear Room Roof, Flashing Against Parapet Wall	Layer C; Tar	15% Chrysotile
11-15-ASB-523 A, B	Switchgear Room Roof, Flashing Against Turbine Room	Layer A; Fibrous felt & tar	6.5% Chrysotile
11-15-ASB-524 A, B	Switchgear Room Roof, Flashing Against Turbine Room	Layer B; Fibrous felt & tar	35% Chrysotile

✱ ALL REFERENCES TO "NORTHEAST" SHOULD BE

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CHANGED TO
"NORTHWEST"

Table 1
English Station
Asbestos Survey Analytical Results Summary

Sample ID	Sample Location	Sample Material Description	Asbestos Analytical Results
11-15-ASB-525 A, B	Switchgear Room Roof, Parapet Wall	Tar & felt (multiple layers; homogeneous)	10% Chrysotile
11-15-ASB-526 A, B	Switchgear Room Roof, Parapet Wall	Expansion joint caulk	25% Chrysotile
11-15-ASB-527 A, B	Switchgear Room Roof, Hatch Door Pitched Roof	Roof Tar	15% Chrysotile
11-15-ASB-528 A, B	Turbine Room; Exterior Siding	Corrugated Transite	25% Chrysotile
11-15-ASB-529 A, B	Switchgear Room Roof, Hatch Door Pitched Roof	Layer A; Asphalt shingles	2.5% Chrysotile
11-15-ASB-530 A, B	Switchgear Room Roof, Hatch Door Pitched Roof	Layer B; Tar	15% Chrysotile
11-16-ASB-531 A, B	Turbine Room Roof, Decking	Layer A; Fibrous felt and tar	15% Chrysotile
11-16-ASB-532 A, B	Turbine Room Roof, Decking	Layer B; Felt and tar (multiple layers; homogeneous)	ND
11-16-ASB-533 A, B	Turbine Room Roof, Decking	Layer C; Paper backing and tar adhesive	ND
11-16-ASB-534 A, B	Turbine Room Roof, West Parapet Wall	Layer A; Fibrous felt and tar	3.3% Chrysotile
11-16-ASB-535 A, B	Turbine Room Roof, West Parapet Wall	Layer B; Tar adhesive	6.3% Chrysotile
11-16-ASB-536 A, B	Turbine Room Roof, West/East Parapet Wall	Expansion joint caulking	40% Chrysotile
11-16-ASB-537 A, B	Turbine Room Roof, West/East Flashing	Layer A; Fibrous felt and tar	10% Chrysotile
11-16-ASB-538 A, B	Turbine Room Roof, West/East Flashing	Layer B; Felt and tar (multiple layer, homogeneous)	10% Crocidolite
11-16-ASB-539 A, B	Turbine Room Roof, West/East Flashing	Layer C; Tar adhesive	12% Chrysotile
11-16-ASB-540 A, B	Turbine Room Roof, East Parapet Wall	Felt and tar (multiple layers; homogeneous)	15% Chrysotile
11-16-ASB-541 A, B	1 st floor, South-West Office; Windows ✕	Exterior caulking	35% Crocidolite
11-16-ASB-542 A, B	1 st floor, South-West Office; Windows	Exterior glazing	ND
11-16-ASB-543 A, B	1 st floor, South-East Office; Windows	Exterior caulking	1.3% Chrysotile
11-16-ASB-544 A, B	1 st floor, South-East Office; Windows	Exterior glazing	2.3% Chrysotile
11-16-ASB-545 A, B	1 st floor, South-East Office; Windows	Exterior caulking	1.5% Chrysotile
11-16-ASB-546 A, B	1 st floor, South-West Office; Windows	Interior glazing	1.3% Chrysotile
11-16-ASB-547 A, B	1 st floor, South-East Office; Windows	Interior caulking	ND
11-16-ASB-548 A, B	1 st floor, East-Central Office; Windows	Interior caulking	25% Chrysotile
11-16-ASB-549 A, B	2 nd floor, Turbine Room; Windows	Interior caulking	0.3% Chrysotile
11-16-ASB-550 A, B	2 nd floor, Turbine Room; Replacement Windows	Interior glazing	ND
11-16-ASB-551 A, B	2 nd floor, Switchgear Room; Windows	Exterior glazing	1.3% Chrysotile
11-16-ASB-552 A, B	2 nd floor, Switchgear Room; Windows	Interior glazing	Trace*
11-16-ASB-553 A, B	2 nd floor, Turbine Room; East Windows	Exterior glazing	Trace*

✕ RAS OFFICE

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Table 1
English Station
Asbestos Survey Analytical Results Summary

Sample ID	Sample Location	Sample Material Description	Asbestos Analytical Results
11-16-ASB-554 A, B	2 nd floor, Turbine Room; West Windows	Interior glazing	Trace*
11-16-ASB-555 A, B	2 nd floor, Turbine Room; West Windows	Exterior caulking	4.5% Chrysotile
11-16-ASB-556 A, B	2 nd floor, Turbine Room; West Windows	Exterior glazing	Trace*
11-16-ASB-557 A-E	Basement Level; Electrical Cable Duct	Concrete skim coat	ND
11-16-ASB-558 A, B	Basement Level; Bricked in Windows	Exterior glazing	ND
11-16-ASB-559 A, B	Basement Level; Cable Duct Ceramic Ducts	Ceramic brick block	ND
11-16-ASB-560	Basement Level; Eastside	Shaped boiler brick - Type A	ND
11-16-ASB-561	Basement Level; Eastside	Shaped boiler brick - Type B	ND
11-16-ASB-562	Basement Level; Eastside	Shaped boiler brick - Type C	ND
11-16-ASB-563	Basement Level; Eastside	Shaped boiler brick - Type D	ND
11-16-ASB-564	Basement Level; Eastside	Shaped boiler brick - Type E	ND
11-16-ASB-565	Basement Level; Eastside	Shaped boiler brick - Type F	ND
11-16-ASB-566	Basement Level; Eastside	Shaped boiler brick - Type G	ND
11-16-ASB-567 A, B, C	Basement Level; Water Line; Pipe Insulation	Layer A; Tar & paper	ND
11-16-ASB-568 A, B, C	Basement Level; Water Line; Pipe Insulation	Layer B; Mud pack	65% Chrysotile
11-16-ASB-569 A, B, C	Basement Level; Water Line; Pipe Insulation	Layer C; Paper	Trace*
11-16-ASB-570 A, B	Basement Level; Miscellaneous Gaskets on wall	Gasket material	ND
11-16-ASB-571 A, B, C	Basement Level; Boxed Block Material	Magnesium block	20% Chrysotile 8% Crocidolite 5% Amosite
11-16-ASB-572	1 st floor; Spare Panel; South Side	Fibrous panel board	ND
11-17-ASB-587 A, B	Former Boiler Room; Top of Conduit Tunnel; Parapet Wall	Wall caulk (top of stone)	ND
11-17-ASB-588 A, B	Former Boiler Room; Top of Conduit Tunnel; Parapet Wall	Asphalt tar/sealant	10% Chrysotile
11-17-ASB-589 A, B	1 st floor; Former North Side; Abandoned Door; Window	Exterior glazing	ND
11-17-ASB-590 A, B	1 st floor; Former North Side; Abandoned Door	Door caulking	1.3% Chrysotile
11-17-ASB-591 A, B	1 st floor; Northwest Side; Mezzanine Offices Windows	Exterior glazing	2.5% Chrysotile
11-17-ASB-592 A, B	1 st floor; Northwest Side; Mezzanine Offices Window	Exterior caulking	7.8% Chrysotile
11-17-ASB-593 A, B	1 st floor; Northwest Side; Mezzanine Office Block Windows	Exterior glazing	2.9% Chrysotile
11-15-ASB-597	2 nd floor; Switchgear Room; Former Switchgear Ports	Talc panels	ND

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Table 1
English Station
Asbestos Survey Analytical Results Summary

Sample ID	Sample Location	Sample Material Description	Asbestos Analytical Results
11-15-ASB-598	2 nd floor, Switchgear Room; Former Switchgear Ports	Concrete panels	ND
11-12-ASB-637A, B, C	1 st floor, Northeast, Southeast, & East Central Office Areas	4" black baseboard	ND
11-12-ASB-637C	1 st floor, northeast, southeast, and east central office areas	Brown mastic from sample above	ND
11-12-ASB-638A, B, C	1 st floor, Office Areas	Mastic from sample above	ND
11-12-ASB-639A, B, C	1 st floor, Office Areas	Tan 12" x 12" floor tile	3.5% Chrysotile
11-12-ASB-640A, B, C	1 st floor, Office Areas	Mastic from sample above	4.8% Chrysotile
11-12-ASB-641A, B, C	1 st floor, Southwest Office Area	Grey 12" x 12" floor tile	ND
11-12-ASB-642A, B, C	1 st floor, Southwest Office Area	Mastic from sample above	8.2% Chrysotile
11-12-ASB-643A, B, C	1 st floor, Southwest Office Area	4" brown baseboard	ND
Secondary Buildings			
11-4-ASB-388 A, B	Cable House 724, 725, 730; Decking	Layer A; Gravelly tar/tarred gravel	ND
11-4-ASB-389 A, B	Cable House 724, 725, 730; Decking	Layer B; Tar and felt (multiple layers; homogeneous)	ND
11-4-ASB-390 A, B	Cable House 724, 725, 730; Parapet Wall	Granulated asphaltic surface coating	16% Chrysotile
11-3-ASB-394 A, B, C	Conference/Employee's Building	Black 9" x 9" floor tile and associated mastic	ND
11-3-ASB-395 A, B, C	Conference/Employee's Building; Kitchen	Thin fiberboard panels	ND
11-3-ASB-396 A, B, C	Conference/Employee's Building; Kitchen	Thick fiberboard panels	ND
11-3-ASB-397 A, B, C	Conference/Employee's Building Roof Decking	Layer A; Roofing membrane	Trace*
11-3-ASB-398 A, B, C	Conference/Employee's Building Roof; Decking	Layer B; Roofing membrane	4.5% Chrysotile
11-4-ASB-399 A, B	Cable House 931; Decking	Layer A; Gravelly tar/tarred gravel	ND
11-4-ASB-400 A, B	Cable House 931; Decking	Layer B; Felt and tar (multiple layers; homogeneous)	ND
11-4-ASB-401 A, B	Cable House 931; Flashing	Layer A; Felt and tar (multiple layers; homogeneous)	15% Chrysotile
11-4-ASB-402 A, B	Contractor's Building; Decking	Felt and tar (multiple layers; homogeneous)	1.5% Chrysotile
11-4-ASB-403 A, B	Contractor's Building; Flashing	Felt and tar (multiple layers; homogeneous)	25% Chrysotile
11-4-ASB-404 A, B	Foam House; Decking	Layer A; Rubber/tar	20% Chrysotile
11-4-ASB-405 A, B	Foam House; Decking	Layer B; Tar and felt	25% Chrysotile
11-4-ASB-406 A, B	Foam House; Decking	Layer C; Brown fibrous filling	ND
11-4-ASB-407 A, B	Foam House; Decking	Layer D; Tar adhesive	ND

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**Table 1
English Station
Asbestos Survey Analytical Results Summary**

Sample ID	Sample Location	Sample Material Description	Asbestos Analytical Results
11-4-ASB-408 A, B	NaHCL Storage House for No. 1 & 2 Screen House; Pitched Roof	Shingles	ND
11-4-ASB-426 A, B	Cable House 922; Decking	Layer A; Tar and gravel	ND
11-4-ASB-427 A, B	Cable House 922; Decking	Layer B; Ash-like substance	ND
11-4-ASB-428 A, B	Cable House 922 ; Flashing	Copper (top layer); felt and tar (multiple layers; homogeneous)	ND
11-5-ASB-443 A, B, C	Foam House; Windows	Exterior glazing	ND
11-5-ASB-444 A, B	Foam House; Windows	Exterior caulking	ND
11-5-ASB-447 A, B	Foam House; Door	Exterior glazing	ND
11-5-ASB-448 A, B, C	Contractor's Building; Windows	Exterior caulking	2.0% Chrysotile
11-5-ASB-449 A, B, C	Contractor's Building; Windows	Exterior glazing	ND
11-5-ASB-450 A, B, C	Contractor's Building; Door	Exterior caulking	2.3% Chrysotile
11-5-ASB-451A, B, C	Confrence/Employee's Building; Windows	Exterior caulking	3.0% Chrysotile
11-5-ASB-452 A, B, C	Confrence/Employee's Building; Windows	Exterior glazing	0.8% Chrysotile
11-5-ASB-463 A, B	NaHCL Storage House for No. 1 & 2 Screenhouse	Exterior cement skim coat	ND
11-5-ASB-464 A	NaHCL Storage House for No. 1 & 2 Screenhouse	Exterior door caulking	6.0% Chrysotile
11-5-ASB-465 A, B	Cable House 931; Door	Exterior caulking	3.0% Chrysotile
11-5-ASB-466 A, B	Cable House 922; Door	Exterior caulking	3.0% Chrysotile
11-5-ASB-467 A, B	Confrence/Employee's Building; Door	Exterior caulking	1.3% Chrysotile
11-5-ASB-471 A, B	Cable House 724, 725, 730; Doors	Exterior caulking	3.8% Chrysotile
11-5-ASB-472 A, B	West Capacitor Bank (No. 1 & 2 Unit)	Tar and gravel	ND
11-5-ASB-473 A, B	Electrical Conduit Tunnel; Wall	Felt tubes (multiple layers; homogeneous)	ND
11-5-ASB-474 A, B	Electrical Conduit Tunnel; Wall	Layer A; Expansion joint caulking on wall; cloth felt and tar compound	6.5% Chrysotile
11-5-ASB-475 A, B	Electrical Conduit Tunnel; Wall	Layer B; Expansion joint caulking on wall; brown fibrous material coated with white paint	15% Chrysotile
11-5-ASB-476 A	Electrical Conduit Tunnel; Wall	Tar coating on wall	ND
11-5-ASB-480 A, B	Northwest Transformer Pad; Ground Cables Extend Out of the Ground	Tar/rubber compound	20% Chrysotile
11-17-ASB-573 A, B	Parcel B; Level Transistor Shed; Adjacent to 1.3 Million Gallon Day Oil Tank	Flat transite paneling	20% Chrysotile
11-17-ASB-574 A, B	Parcel B; 1.3 Million Gallon Oil Tank; Perimeter	Black caulking	25% Chrysotile

✱ DUCT LINE E. OF CAP BANK 3

✱ ✱ G TRANSFORMER

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Table 1
English Station
Asbestos Survey Analytical Results Summary

Sample ID	Sample Location	Sample Material Description	Asbestos Analytical Results
11-17-ASB-575 A, B	Parcel B; Pipes Intrudes Dike Wall North of 1.3 Million Gallon Day Oil Tank	Black caulking	25% Chrysotile
11-17-ASB-576 A, B	Parcel B; Sheet Metal Jackets Around Pipes North of 1.3 Million Gallon Day Oil Tank abut to each other	White caulking	2.5% Chrysotile
11-17-ASB-577 A, B	Parcel B; Transfer Pump House; Window	Exterior window caulking	5.25% Chrysotile
11-17-ASB-578 A, B	Parcel B; Transfer Pump House; Window	Interior window glazing	ND
11-17-ASB-579 A, B	Parcel B; Transfer Pump House; Door	Exterior door caulking	4.75% Chrysotile
11-17-ASB-580 A, B	Parcel B; Transfer Pump House; Door	Interior door caulking	5.8% Chrysotile
11-17-ASB-581 A, B, C	Parcel B; Foam House; Door	Exterior door caulking	6.5% Chrysotile
11-17-ASB-582 A, B	Parcel B; Transfer Pump House; Decking	Layer A; Gravelly tar/tarred gravel	ND
11-17-ASB-583 A, B	Parcel B; Transfer Pump House; Decking	Layer B; felt and tar (multiple layers; homogeneous)	ND
11-17-ASB-584 A, B	Parcel B; Transfer Pump House; Decking	Layer C; Brown fibrous insulation	ND
11-17-ASB-585 A, B	Parcel B; Transfer Pump House; Decking	Layer D; Tar adhesive	ND
11-17-ASB-586 A, B	Parcel B; Foam House; Door Window Panel	Interior caulking	ND
11-12-ASB-599 A, B	#6 Oil Day Tank; Decking	Layer A; Sandy tar & felt	4.3% Chrysotile
11-12-ASB-600 A, B	#6 Oil Day Tank; Decking	Layer B; Tar & felt	3.8% Chrysotile
11-12-ASB-601 A, B	#6 Oil Day Tank; Decking	Layer C; Fiberglass	ND
11-12-ASB-602 A, B	#6 Oil Day Tank; Decking	Layer D; Tar	ND
11-12-ASB-603 A, B	Between Light Oil Tank & Concrete Tank Pedestal	Weather caulk	1.5% Chrysotile
11-12-ASB-604 A, B	#6 Oil Day Tank; Concrete Wall	Wall seam gasket	ND
11-12-ASB-605 A, B	Fuel Oil Pipe Trench	Tar/Sealant	7.3% Chrysotile
11-12-ASB 606 A, B	Pipe Breach for #6 Oil Day Tank	Gray ext caulk	4.8% Chrysotile
11-12-ASB 607 A, B	Pipe Breach for #6 Oil Day Tank	Black tar/asphalt	5.3% Chrysotile
11-12-ASB 608 A, B	#6 Oil Day Tank; Metal Jackets	Ext. caulk	ND
11-12-ASB 609 A, B	#6 Oil Day Tank Area	Asphalt tar sealant	4.5% Chrysotile
11-12-ASB-610 A, B	Cable House 723,726 & 729; Decking	Tar & felt	ND
11-12-ASB-611 A, B	Cable House 723,726 & 729; Flashing	Tar & felt (multiple layers; homogeneous)	15% Chrysotile
11-12-ASB-612	Cable House 723,726 & 729; Vent Covering	Tar & felt (multiple layers; homogeneous)	48% Chrysotile
11-12-ASB-613 A, B	Cable House 723,726 & 729; Parapet Wall Covering	Tar & felt (multiple layers; homogeneous)	28% Chrysotile
11-12-ASB 614 A, B	Cable House 723,726 & 729; Exterior Wall	Granular cementitious surface coating	4.3% Chrysotile

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Table 1
English Station
Asbestos Survey Analytical Results Summary

Sample ID	Sample Location	Sample Material Description	Asbestos Analytical Results
11-12-ASB-615 A, B	Cable House 723,726 & 729; Exterior Wall	Granular asphaltic surface coating	5.5% Chrysotile
11-12-ASB-616 A, B	Cable House 723 & 726 and 729; Door	Exterior caulking	1.5% Chrysotile
11-12-ASB-617 A, B, C	Guard Shack; Interior	Layer A; Beige 12" x 12" floor tile	ND
11-12-ASB-617 A, B, C	Guard shack; interior	Tan mastic from sample above	ND
11-12-ASB-618 A, B	Guard Shack; Interior	Layer B; Green 12" x 12" floor tile	ND
11-12-ASB-618 A, B, C	Guard Shack; Interior	Black mastic from sample above	ND
11-12-ASB-619 A, B	Guard Shack; Interior	Layer C; Off-white 12" x 12" floor tile	1.5% Chrysotile
11-12-ASB-619 A, B	Guard Shack; Interior	Black mastic from sample above	ND
11-12-ASB-620 A, B	Guard Shack; Interior	Layer D; Green 9" x 9" floor tile with associated mastic	2.8% Chrysotile
11-12-ASB-621 A, B	Guard Shack; Interior	4" black baseboard	ND
11-12-ASB-621 A, B	Guard Shack; Interior	Tan mastic from sample above	ND
11-12-ASB-622 A, B	Guard Shack; Wall Adjoining Roof Top	Exterior wall caulk	15% Chrysotile
11-12-ASB-623 A, B	Guard Shack; Decking	Layer A; Rubber membrane	ND
11-12-ASB-624 A, B	Guard Shack; Decking	Layer B; Tar adhesive	20% Chrysotile
11-12-ASB-625 A, B	Guard Shack; Flashing	Tar and felt	20% Chrysotile
11-12-ASB-626	Conduit Tunnel Entry; Door	Flat transite	25% Chrysotile
11-12-ASB-627	Conduit Tunnel Entry; Wall	Corrugated transite	30% Chrysotile
11-12-ASB-628 A, B	Conduit Tunnel Roof; Decking	Layer A; Felt and tar	40% Chrysotile
11-12-ASB-629 A, B	Conduit Tunnel Roof; Decking	Layer B; Felt and tar	40% Chrysotile
11-12-ASB-630A, B	Conduit Tunnel Roof; Decking	Layer C; Felt and tar	40% Chrysotile
11-12-ASB-631A, B	Conduit Tunnel Roof; Decking	Layer D; Felt and tar	40% Chrysotile
11-12-ASB-632A, B	Conduit Tunnel Roof; Flashing	Flashing	60% Chrysotile
11-12-ASB-633A, B	Conduit Tunnel; Door	Caulking in conjunction with corrugated transite wall	30% Chrysotile
11-12-ASB-634A, B	Interior Conduit Tunnel Sewer Pipes; Tunnel Pipe	Layer A (asphalt coat)	45% Chrysotile
11-12-ASB-635A, B	Interior Conduit Tunnel Sewer Pipes; Tunnel Pipe	Layer B (mud-pack material)	30% Chrysotile 10% Amosite
11-12-ASB-636A, B	Interior Conduit Tunnel Sewer Pipes; Tunnel Pipe	Layer C (wool)	ND

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**Table 2
Assumed ACBMs**

Suspect Material	United Illuminating Map References
Asbestos Pipe Insulation (various locations) (types include canvas wrap material, mag-block material, corrugated/air cell material, layered paper material, and mud-pack material)	None
Asbestos Pipe-Fitting Insulation (various locations)	None
Asbestos Jacket Insulation (various locations) (types include canvas wrap material, mag-block material, corrugated/air cell material, layered paper material, and mud-pack material)	None
Flashing (36-inch ventilators atop coal bunker roof; low-pressure boiler areas)	1981-168 28120-57
Insulating Compound for Ebony Asbestos Wood (filler material for countersunk holes)	28120-82 28120-83 1981-136
Asbestos Boiler Gasket (associated with instrument sleeves; low-pressure boiler areas)	1981-39
Expansion Joint Corrugated Paper (low-pressure boiler)	1981-69 1981-77
Rolled Fire Felt (low-pressure boiler)	1981-69 1981-77
Back Stay Packing With Boiler Wall Expansion Joint ("J.M Airtite")	1981-69 1981-77

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Table 3
ACBM Summary and Quantity Estimates

Material	Quantity (approximate)
Floor Tile and Mastic	7,000 square feet
Window Glazing (interior and exterior)	680 units
Pipe Coating - weatherproofing (city water lines; low-pressure side only)	400 linear feet
Ebonized Asbestos Board (includes caulking for counter-sunk drill holes)	18,000 square feet
Reactor Room - floor panels	3,000 square feet
Flat Transite Panels (includes asbestos caulking)	46,575 square feet
Switch Panel Black Backer Board	4,500 square feet
Arc Diffusing Panels (transite)	575 units
Interior Boiler Rope Packing	9,200 linear feet
Interior Boiler Packing Insulation	25,000 square feet
Gasket Material (associated with boilers, exhaust flu's and piping)	3,000 units
Interior Boiler Expansion Joint Insulation (corrugated paper, "asbestoscell," and "J.M. Airtite" materials)	9,200 square feet
HVAC Vibrational Dampeners	60 units
Asbestos Pipe Insulation	72,500 linear feet
Asbestos Pipe Fitting Insulation	9,250 units
Asbestos Jacket Insulation	90,000 square feet
Baseboard and Mastic	50 linear feet
Gypsum Wall Board With Transite Backing	460 square feet
Roof Decking	74,802 square feet
Roof Flashing	8,254 linear feet
Parapet Wall Covering	1,741 square feet
Boiler Stack Pedestal Covering	3,565 square feet
Sash Skylight Wall Covering	6,900 square feet
Vent Exhaust Flue; Breeching Cement	173 linear feet
Window Caulking (interior and exterior)	3,500 units

Table 3 (continued)
ACBM Summary and Quantity Estimates

Material	Quantity (approximate)
Plaster	144 square feet
Exterior Asphalt Caulking (various locations)	4,000 linear feet
Fibrous Wall Covering	380 square feet
Joint Compound	259 square feet
Linoleum Floor Covering (without mastic)	345 square feet
Corrugated Transite Siding (includes asbestos caulking)	48,139 square feet
Door Caulk (interior and exterior)	30 units
Cable House - Exterior Granular Cementitious Surface Coating (sandy)	1,136 square feet
Electrical Conduit Tunnel Expansion Joint	61 linear feet
Electrical Grounding Cables - Tar Sealant	100 square feet
1.3 Million Gallon Tank - Perimeter Caulk	135.5 linear feet
Exterior Fuel Oil Piping - Insulation Caulk	500 linear feet
Rolled Fire Felt - Boiler Interior	9,200 square feet
Cable House - Exterior Granulated Asphaltic Surface Coating	1,104 square feet
Transite Conduit Pipe	1,725 linear feet
Piping With Asbestos Residue	1,000 linear feet
Roofing Tar (Station B Roof Hatchway only)	173 square feet
Notes: ACBM - asbestos-containing building material Quantities listed are approximated, based on a review of applicable plans, analytical data, and site inspection. Actual quantities will vary.	

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Table 4
English Station
Miscellaneous Hazardous Materials
Sample Summary

Sample ID	Sample Location	Sample Material Description
<i>Low Pressure Boiler/Turbine Areas</i>		
10-5-MISC-01	1 st floor; Eastern Coal Ash Alley; Drum Storage Area	Concrete chips
10-5-MISC-02	1 st floor; Eastern Coal Ash Alley; Sanitary Receptor No. 3	Sewage sludge
10-5-MISC-03	1 st floor; Boiler Water Treatment Chemical Storage Room; Trench Drain	Sediment
10-5-MISC-04	1 st floor; Fuel Oil Pump Room; Trench Drain	Sediment
10-5-MISC-05	1 st floor; Current Machine Shop; Trench Drain	Sediment
10-5-MISC-06	1 st floor; Current Machine Shop; Tool Room; Trench Drain	Sediment
10-5-MISC-07	1 st floor; Eastern Coal Ash Alley; Trench Drain	Sediment
10-5-MISC-08	1 st floor; Eastern Coal Ash Alley; Adjacent to Drum Storage Area; Trench Drain	Sediment
10-5-MISC-09	1 st floor; Eastern Coal Ash Alley (at blow-down discharge point of overhead air receiver tank); Trench Drain	Sediment
10-5-MISC-10	1 st floor; Lube Oil Room; DTE Oil Tank (North Tank)	Oil
10-5-MISC-11	1 st floor; Lube Oil Room; DTE Oil Tank (Center Tank)	Oil
10-5-MISC-12	1 st floor; Lube Oil Room; DTE Oil Tank (South Tank)	Oil
10-5-MISC-13	1 st floor; Condenser Area; Ash Gate Oil Tank	Residual oil
10-5-MISC-14	1 st floor; Condenser Area; Elevator Sump	Sediment/Sludge
10-5-MISC-15	1 st floor; Boiler Water Treatment Chemical Storage Room	Concrete chips (composite sample)
10-5-MISC-16	1 st floor; Boiler Water Treatment Chemical Mixing Tank Area	Concrete chips
10-6-MISC-17	#1 st floor; Condenser Area; Circulating Water Pump (for No. 6 Condenser)	Residual oil
10-6-MISC-18	#1 st floor; Condenser Area (No. 6 Unit); Circulating Water Pump	Concrete chips
10-6-MISC-19	#1 st floor; Condenser Area; Reciprocating Dry Vacuum Pumps (for No. 5 Condenser)	Residual oil
10-6-MISC-20	#1 st floor; Condenser Area; Reciprocating Dry Vacuum Pumps (for No. 5 Condenser)	Concrete chips
10-6-MISC-21	#1 st floor; Condenser Area; Hot Well Pump (for No. 4 Condenser)	Residual oil
10-6-MISC-22	#1 st floor; Condenser Area; Hot Well Pump (for No. 4 Condenser)	Concrete chips

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Table 4 (continued)
English Station
Miscellaneous Hazardous Materials
Sample Summary

Sample ID	Sample Location	Sample Material Description
10-6-MISC-23	1 st floor; Condenser Area; Steam-Driven Boiler Feed Pump No. 7	Residual oil
10-6-MISC-24	1 st Floor; Condenser Area; Steam-Driven Boiler Feed Pump No. 7	Concrete chips
10-6-MISC-25	1 st Floor; Condenser Area; Electric-Powered Boiler Feed Pump No. 6	Residual oil
10-6-MISC-26	1 st Floor; Condenser Area; Steam-Driven Boiler Feed Pump No. 6	Concrete chips
10-6-MISC-27	1 st Floor; Condenser Area (No. 3 Unit); Air Compressor Pad	Concrete chips
10-6-MISC-28	1 st Floor; Condenser Area (No. 2 Unit); TELLEO Oil Tank	Oil
10-6-MISC-29	1 st Floor; Condenser Area (No. 2 Unit); Water Discharge Tunnel	Sediment
10-6-MISC-30	1 st Floor; Condenser Area (No. 2 Unit); SMOOT Oil Pump Pad	Concrete chips
10-6-MISC-31	1 st Floor; Condenser Area (No. 2 Unit); Ash Gate Oil Pump Pad	Concrete chips
10-6-MISC-32	1 st Floor; Lube Oil Room	Concrete chips
10-6-MISC-33	1 st Floor; Lube Oil Room	Concrete chips
10-6-MISC-34	1 st Floor; FD Fan Room; North Drum Storage Area (skip hoists)	Concrete chips
10-6-MISC-35	1 st Floor; West Coal Ash Alley; Ash Hopper	Coal Ash
10-6-MISC-36	1 st Floor; West Coal Ash Alley; Ash Hopper (Rear Sump)	Coal Ash
10-6-MISC-37	1 st Floor; Heavy Oil Pump Room; Pump Pad	Concrete chips
10-7-MISC-38	2 nd Floor; Turbine Area; Exciter Unit Nos. 1 through 4	Residual oil
10-7-MISC-39	2 nd Floor; Turbine Area; No. 6 Turbine	Residual oil
10-7-MISC-40	2 nd Floor; Low Pressure Turbine Area; No. 6, Lube Oil Reservoir	Residual oil
10-7-MISC-41	2 nd Floor; Low-Pressure Turbine Area; House Generator Nos. 1 & 2	Residual oil
10-7-MISC-42	2 nd Floor; Low Pressure Turbine Area; No. 2 Turbine	Concrete chips
10-7-MISC-43	2 nd Floor; Low Pressure Turbine Area; No. 4 Turbine	Concrete chips
10-7-MISC-44	2 nd Floor; Low Pressure Turbine Area; Boiler No. 6; Firing chamber	Ash
10-12-MISC-45	2 nd Floor; Low Pressure Boiler Area; Boiler No. 5; Firing Chamber	Oil
10-13-MISC-46	2 nd Floor; Low Pressure Boiler Area; Ash Vacuum Pump Bag Filter Tanks (between Boiler Nos. 7 and 9)	Ash

Table 4 (continued)
English Station
Miscellaneous Hazardous Materials
Sample Summary

Sample ID	Sample Location	Sample Material Description
10-13-MISC-47	2 nd Floor; Low Pressure Turbine Area; Overhead Crane	Residual oil
10-13-ASB-MISC-48	8 th floor; Low Pressure Boiler Area; East Skip Hoist Motor	Residual oil
10-13-ASB-MISC-49	7 th floor; Low Pressure Boiler Area; Electric Coal Conveyor Motor (for former exterior coal conveyor system)	Residual oil
10-13-ASB-MISC-50	7 th floor; Low Pressure Boiler Area; Electric Coal Conveyor Motor (for former exterior coal conveyor system)	Concrete chips
10-13-ASB-MISC-51	8 th floor; Low Pressure Boiler Area; Electric Coal Conveyor Motor (for existing horizontal coal conveyor systems)	Residual oil
10-13-ASB-MISC-52	8 th floor; Low Pressure Boiler Area; Electric Coal Conveyor Motor (for existing horizontal coal conveyor systems)	Concrete chips
10-15-MISC-53	1 st floor; Condenser Area; Concrete Holding Tank (over discharge tunnel)	Oily Sludge
10-15-MISC-53 A	1 st Floor; Subsurface floor drain sump; between Boiler Feed Pumps 3 and 4	Oily water
10-15-MISC-54	8 th Floor; Low Pressure Boiler Area; Coal Feed Bunker atop Boiler No. 2	Slag/Aggregate
11-3-MISC-110	1 st Floor; Forced Draft Fan Room; Stained Concrete Floor (north end; outside tool crib, across from drum storage area)	Concrete chips
11-5-MISC-111	1 st Floor; Condenser Area; Stained Concrete Floor (around smoot and ash gate oil tanks/pump pads)	Concrete (floor)
11-5-MISC-112	1 st Floor; Screen House No. 1; De-Watering Pump	Oil
12-2-MISC-126	4 th Floor; Low Pressure Boiler Area; Service Air Compressor Line Piping	Oil-stained piping
12-13-MISC-128	1 st Floor; Heavy Oil Room	Fuel oil (No. 6)
High Pressure Boiler/Turbine Areas		
10-27-ASB-MISC-55	1 st Floor; No. 8 Condenser Area; 18-Foot Sump	Sump water
10-27-MISC-56	1 st Floor; No. 8 Condenser Area; Condensate Pump 8-1	Oil sediment
10-27-MISC-57	1 st Floor; No. 8 Condenser Area; Subgrade Pit for Turbine Lube Oil Tank	Oily Sediment
10-27-MISC-58	1 st Floor; No. 8 Condenser Area; Turbine Lube Oil Conditioning Tank (Bowser System)	Oily water
10-27-MISC-59	1 st Floor; No. 8 Condenser Area; Turbine Lube Oil Tank; Circulating Pump Pad	Concrete chips
10-27-MISC-60	1 st Floor; No. 8 Condenser Area; Turbine Lube Oil Tank	Oil

Table 4 (continued)
English Station
Miscellaneous Hazardous Materials
Sample Summary

Sample ID	Sample Location	Sample Material Description
10-27-MISC-61	1 st Floor; No. 8 Condenser Area; Subgrade Pit for Turbine Lube Oil Tank	Concrete chips
10-27-MISC-62	1 st Floor; No. 8 Condenser Area; Hydrogen Seal Oil System	Oil Sludge
10-27-MISC-63	1 st Floor; No. 8 Condenser Area; Hydrogen Seal Oil System	Concrete chips
10-27-MISC-64	1 st Floor; High Pressure Boiler No. 13 Area; Sump No. 6	Water
10-27-MISC-65	1 st Floor; High Pressure Boiler No. 13 Area; Sump No. 7	Water
10-27-MISC-66	1 st Floor; High Pressure Boiler No. 13 Area; Sump No. 7	Sediment
10-27-MISC-67	1 st Floor; High Pressure Boiler No. 13 Area; Main Ash Duct	Ash
10-27-MISC-68	1 st Floor; High Pressure Boiler No. 14 Area; Sump No. 8	Water
10-27-MISC-69	1 st Floor; High Pressure Boiler No. 14 Area; Sump No. 8	Sediment
10-27-MISC-70	1 st Floor; High Pressure Boiler No. 14 Area; Sump No. 9	Water
10-27-MISC-71	1 st Floor; High Pressure Boiler No. 14 Area; Sump No. 9	Sediment
10-27-MISC-72	1 st Floor; HP Boiler Area Nos. 13 and 14; Ash Pulverizer Fan Motor	Sludge (composite)
10-27-MISC-73	1 st Floor; Heavy Oil Room; Sump	Water
10-27-MISC-74	1 st Floor; Heavy Oil Room; Subgrade Oil Piping Trench	Oily sludge
10-28-MISC-75	1 st Floor; Heavy Oil Room; Fuel Oil Mixing Tank	Oil
10-28-MISC-76	1 st Floor; Heavy Oil Room; Kerosene Parts Cleaning Tank	Residual oil/sludge
10-28-MISC-77	1 st Floor; Heavy Oil Room; Heavy Oil Pump Pad	Concrete chips
10-28-MISC-78	1 st Floor; Heavy Oil Room; Light Oil Pump Pad	Concrete chips
10-28-MISC-79	1 st Floor; High Pressure Boiler No. 14 Area; Oil Stained Floor Beneath Air Compressor	Concrete chips
10-28-MISC-80	1 st Floor; High Pressure Boiler No. 13 Area; Concrete Floor Beneath Station Transformer 30-B	Concrete chip
10-28-MISC-81	1 st Floor; High Pressure Boiler No. 13 Area; Concrete Floor Beneath Station Transformer 7-B	Concrete chip
10-28-MISC-82	1 st Floor; High Pressure Boiler No. 14 Area; Concrete Floor Beneath Station Transformer 8-A and 8-B	Concrete chips

Table 4 (continued)
English Station
Miscellaneous Hazardous Materials
Sample Summary

Sample ID	Sample Location	Sample Material Description
10-28-MISC-83	1 st Floor; High Pressure Boiler No. 14 Area; Concrete Floor Beneath Station Transformer 38-A	Concrete chips
10-28-MISC-84	1 st Floor; High Pressure Boiler No. 14 Area; Ash Hopper	Ash
10-28-MISC-85	1 st Floor; Trench Drain (between high pressure boiler Nos. 13 & 14 areas)	Sediment
10-28-MISC-86	2 nd Floor; High-Pressure Boiler No. 13 Area; Boiler Feed Pumps	Oil/sludge
10-28-MISC-87	2 nd Floor; High Pressure Boiler No. 13 Area; Boiler Feed Pump Concrete Pad	Concrete chip
10-28-MISC-88	2 nd Floor; High Pressure Boiler No. 14 Area; Boiler Feed Pumps	Residual oil/sludge (composite)
10-28-MISC-89	2 nd Floor; High Pressure Boiler No. 14 Area; Boiler Feed Pump Concrete Pad	Concrete chips
10-28-MISC-90	2 nd Floor; High Pressure Boiler No. 14 Area; Booster Pump Concrete Pad	Concrete chips
10-28-MISC-91	2 nd Floor; High Pressure Boiler No. 13 Area; Booster Pump Concrete Pad	Concrete chips
10-28-MISC-92	1 st Floor Mezzanine Level; Lube Oil Holding Tank Room; North Tank ("used oil")	Oil
10-28-MISC-93	1 st Floor Mezzanine Level; Lube Oil Holding Tank Room; North Tank ("new oil")	Oil
10-28-MISC-94	1 st Floor Mezzanine Level; Lube Oil Holding Tank Room	Concrete chips
10-29-99-MISC-95	2 nd Floor; High Pressure Boiler No. 13 Area; North Hopper Coal Feed Motor	External yellow residue
10-29-MISC-96	1 st Floor; Condenser No. 8	Internal residue/scaling
10-29-MISC-97	3 rd floor; High Pressure Boiler No. 13 Area; Soot Blower Unit	Residual oil/sludge
10-29-MISC-98	3 rd floor; High Pressure Boiler No. 14 Area; Soot Blower Unit	Residual oil/sludge
10-29-MISC-99	5 th floor; High Pressure Boiler No. 13 Area; Ash Vacuum Tank Room (atop ash silo)	Ash
10-29-MISC-100	5 th Floor; High Pressure Boiler No. 13 Area; Coal Silo	Ash
10-29-MISC-101	6 th floor; High Pressure Boiler No. 13 Area; Smokestack Leachate Discharge Pipe	Leachate
10-29-MISC-102	7 th floor; High Pressure Boiler No. 13 Area; Concrete Pad for Forced Draft Fan (low speed)	Concrete chips
10-29-MISC-103	7 th Floor; High Pressure Boiler No. 13 Area; Concrete Pad for Induced Draft Fan (low speed)	Concrete chips
10-29-MISC-104	7 th Floor; High Pressure Boiler No. 14 Ara; Concrete Pad for Forced Draft Fan (low speed)	Concrete

Table 4 (continued)
English Station
Miscellaneous Hazardous Materials
Sample Summary

Sample ID	Sample Location	Sample Material Description
10-29-MISC-105	7 th floor; High Pressure Boiler No. 13 Area; Air Heater Insert Cleaning/Dip Tank	Sludge
10-29-MISC-106	8 th Floor; High Pressure Boiler No. 13 Area; Air Heater Drive Motor	Residual oil/sludge
11-3-MISC-107	9 th floor; High Pressure Boiler No. 13 area; Elevator Room; Concrete Floor	Concrete chips
11-3-MISC-108	9 th floor; High Pressure Boiler No. 13 Area; Elevator Room; Elevator Motor Lube Oil Drip Pan	Oil
11-3-MISC-109	2 nd Floor; High Pressure Boiler No. 13 Area; North Hopper Coal Feed Motor	Residual oil/sludge
12-2-MISC-127	6 th Floor; High Pressure Boiler No. 13 Area; Service Air Compressor Line Piping	Oil-stained piping
12-13-MISC-129	1 st Floor; Heavy Oil Room	Fuel oil (No. 6)
Station B		
11-16 MISC-113	2 nd Floor; Overhead Crane	Oil residue
11-16 MISC-114	1 st Floor; PCB Storage Area; Concrete Floor	Concrete chips
11-16-MISC-115	1 st Floor; PCB Storage Area; Concrete Floor	Concrete chips
11-16-MISC-116	1 st Floor; PCB Storage Area; Concrete Floor	Concrete chips
11-16-MISC-117	Basement Floor; Turbine/Condenser footings	Concrete chips
11-16-MISC-118	Basement Floor; Turbine/Condenser footings	Concrete chips
11-16-MISC-119	Basement Floor; Unknown Equipment Concrete Pads	Concrete chips
11-16-MISC-120	Basement Floor; Unknown Equipment Concrete Pads	Concrete chips
11-16-MISC-121	1 st Floor; Oil-Stained Concrete Floor; (adjacent to abandoned fuel dispensing pumps)	Concrete chips
11-16-MISC-122	Basement Floor; Oil-Stained Concrete Floor	Concrete chips
11-16-MISC-123	1 st Floor; Oil-Stained Wood Floor	Wood chips
11-16-MISC-124	2 nd Floor; Switchgear Boxes	Wood chips
11-16-MISC-125	2 nd Floor; Switchgear Boxes	Wood chips
Station B (Bulk Oil Storage Area)		
12-13-MISC-130	Fuel Oil Pump House	Fuel oil (No. 6)
ES-W5	1 st Floor; PCB Storage Area; Concrete Floor	Concrete chips
Notes:		

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Table 5
Hazardous Material Survey
Analytical Results

Media	Sample ID													
	10-5-MISC													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Volatile Organic Substances (VOCs) (ppb)														
1,1-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL
trans-1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL
cis-1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL
n-Butylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL
p-Isopropyltoluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL
Tetrachloroethylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL
1,1,1-Trichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL
Trichloroethylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL
1,2,4-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL
1,3,5-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL
Vinyl chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL
Methylene Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL
Freon	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL
Total Solvents	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TCLP Metals (ppm)														
Arsenic	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.06	NA	NA	NA	NA	BDL
Barium	BDL	1.1	BDL	0.7	0.6	BDL	0.6	BDL	BDL	NA	NA	NA	NA	BDL
Cadmium	0.007	BDL	0.025	0.039	0.161	BDL	0.023	0.258	0.047	NA	NA	NA	NA	0.049
Chromium, Total	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.05	BDL	NA	NA	NA	NA	BDL
Lead	BDL	0.026	BDL	0.194	0.222	0.009	0.041	2.08	0.052	NA	NA	NA	NA	0.076
Mercury	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.005	BDL	NA	NA	NA	NA	BDL
Selenium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL
Silver	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL
Polychlorinated Biphenyls (PCBs) (ppm)														
PCBs	25	BDL	3	4	BDL	18	BDL	4,000	2	BDL	BDL	BDL	1	BDL
Semivolatile Organic Compounds (SVOCs) (ppb)														
Acenaphthene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL
Anthracene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL
Benz(a)anthracene	BDL	124	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL
Benzo(b)fluoranthene	BDL	555	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL
Benzo(k)fluoranthene	BDL	BDL	BDL	BDL	BDL	242	BDL	BDL	BDL	NA	NA	NA	NA	BDL
Benzo(a)pyrene	BDL	102	107	BDL	BDL	214	BDL	BDL	BDL	NA	NA	NA	NA	BDL
Bis(2-ethyl hexyl)phthalate	BDL	BDL	BDL	BDL	BDL	3,035	BDL	66,638	BDL	NA	NA	NA	NA	1,606
Butyl benzyl phthalate	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL
Chrysene	BDL	149	164	BDL	BDL	135	BDL	BDL	BDL	NA	NA	NA	NA	BDL
Di-n-butyl phthalate	BDL	BDL	BDL	BDL	BDL	BDL	BDL	12,403	BDL	NA	NA	NA	NA	BDL
Fluoranthene	BDL	377	250	BDL	BDL	BDL	103	BDL	BDL	NA	NA	NA	NA	108
Fluorene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL
Phenanthrene	BDL	296	235	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL
Pyrene	BDL	313	382	BDL	BDL	101	119	BDL	BDL	NA	NA	NA	NA	101
1,2,4-Trichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL
Total Petroleum Hydrocarbons (TPH) (ppm)														
TPH	NA	693	5,258	4,586	656	12,144	2,112	668,710	297,924	NA	NA	NA	NA	664
pH (no units)														
pH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 5 (continued)
Hazardous Material Survey
Analytical Results

Media	Sample ID													
	10-5		-10-5-MISC 10-6											
	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Volatile Organic Substances (VOCs) (ppb)														
1,1-Dichloroethylene	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Dichloroethylene	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethylene	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethylene	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethylene	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Freon	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Solvents	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TCLP Metals (ppm)														
Arsenic	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	0.015	0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, Total	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	0.03	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyls (PCBs) (ppm)														
PCBs	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Semivolatile Organic Compounds (SVOCs) (ppb)														
Acenaphthene	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benz(a)anthracene	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-ethyl hexyl)phthalate	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butyl benzyl phthalate	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butyl phthalate	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (TPH) (ppm)														
TPH	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,416	NA	NA	NA	NA
pH (no units)														
pH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 5 (continued)
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Media	Sample ID													
	10-6-MISC								10-6	10-7-MISC				
	29	30	31	32	33	34	35	36	37	38	39	40	41	42
Volatile Organic Substances (VOCs) (ppb)														
1,1-Dichloroethylene	BDL	NA	NA	NA	NA	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA
1,1,2-Dichloroethylene	BDL	NA	NA	NA	NA	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	BDL	NA	NA	NA	NA	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethylene	BDL	NA	NA	NA	NA	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA
n-Butylbenzene	BDL	NA	NA	NA	NA	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	BDL	NA	NA	NA	NA	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA
Naphthalene	BDL	NA	NA	NA	NA	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA
Tetrachloroethylene	BDL	NA	NA	NA	NA	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	BDL	NA	NA	NA	NA	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA
Trichloroethylene	BDL	NA	NA	NA	NA	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	BDL	NA	NA	NA	NA	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	BDL	NA	NA	NA	NA	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA
Vinyl chloride	BDL	NA	NA	NA	NA	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA
Methylene Chloride	BDL	NA	NA	NA	NA	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA
Freon	BDL	NA	NA	NA	NA	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA
Total Solvents	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals (ppm)														
Arsenic	BDL	NA	NA	NA	NA	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA
Barium	BDL	NA	NA	NA	NA	BDL	BDL	0.6	NA	NA	NA	NA	NA	NA
Cadmium	0.007	NA	NA	NA	NA	BDL	0.027	0.013	NA	NA	NA	NA	NA	NA
Chromium, Total	BDL	NA	NA	NA	NA	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA
Lead	0.089	NA	NA	NA	NA	BDL	0.087	5.13	NA	NA	NA	NA	NA	NA
Mercury	BDL	NA	NA	NA	NA	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA
Selenium	BDL	NA	NA	NA	NA	BDL	0.01	BDL	NA	NA	NA	NA	NA	NA
Silver	BDL	NA	NA	NA	NA	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyls (PCBs) (ppm)														
PCBs	BDL	BDL	BDL	1	2	3	BDL	BDL	BDL	9	4	3	4	BDL
Semivolatile Organic Compounds (SVOCs) (ppb)														
Acenaphthene	BDL	NA	NA	NA	NA	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA
Anthracene	BDL	NA	NA	NA	NA	BDL	134	BDL	NA	NA	NA	NA	NA	NA
Benz(a)anthracene	BDL	NA	NA	NA	NA	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	BDL	NA	NA	NA	NA	BDL	1,264	BDL	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	BDL	NA	NA	NA	NA	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	BDL	NA	NA	NA	NA	BDL	134	BDL	NA	NA	NA	NA	NA	NA
Bis(2-ethyl hexyl)phthalate	BDL	NA	NA	NA	NA	1,946	BDL	BDL	NA	NA	NA	NA	NA	NA
Butyl benzyl phthalate	BDL	NA	NA	NA	NA	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA
Chrysene	BDL	NA	NA	NA	NA	BDL	304	BDL	NA	NA	NA	NA	NA	NA
Di-n-butyl phthalate	BDL	NA	NA	NA	NA	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA
Fluoranthene	BDL	NA	NA	NA	NA	BDL	1,106	127	NA	NA	NA	NA	NA	NA
Fluorene	BDL	NA	NA	NA	NA	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA
Phenanthrene	BDL	NA	NA	NA	NA	BDL	1,163	BDL	NA	NA	NA	NA	NA	NA
Pyrene	BDL	NA	NA	NA	NA	BDL	1,905	158	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	BDL	NA	NA	NA	NA	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (TPH) (ppm)														
TPH	1,418	NA	NA	NA	NA	NA	3,388	256	NA	NA	NA	NA	NA	NA
pH (no units)														
pH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 5 (continued)
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Media	Sample ID														
	10-7-MISC		10-12-MISC	10-13-MISC								10-15-MISC			10-27-MISC
	43	44	45	46	47	48	49	50	51	52	53	53A	54	55	56
Volatile Organic Substances (VOCs) (ppb)															
1,1-Dichloroethylene	NA	BDL	NA	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
1,1,2-Dichloroethylene	NA	BDL	NA	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	NA	BDL	NA	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	NA	BDL	NA	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NA	BDL	NA	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	NA	BDL	NA	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
Naphthalene	NA	BDL	NA	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
Tetrachloroethylene	NA	BDL	NA	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	NA	BDL	NA	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
Trichloroethylene	NA	BDL	NA	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NA	BDL	NA	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	NA	BDL	NA	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
Vinyl chloride	NA	BDL	NA	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	NA	BDL	NA	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
Freon	NA	BDL	NA	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
Total Solvents	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals (ppm)															
Arsenic	NA	0.46	NA	0.12	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL*	BDL
Barium	NA	BDL	NA	BDL	NA	NA	NA	NA	NA	NA	1.5	BDL	BDL	BDL*	BDL
Cadmium	NA	0.108	NA	0.211	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL*	0.017
Chromium, Total	NA	1.56	NA	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL*	BDL
Lead	NA	0.127	NA	BDL	NA	NA	NA	NA	NA	NA	0.151	BDL	BDL	0.007*	0.396
Mercury	NA	BDL	NA	0.012	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL*	BDL
Selenium	NA	BDL	NA	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL*	BDL
Silver	NA	BDL	NA	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL*	BDL
Polychlorinated Biphenyls (PCBs) (ppm)															
PCBs	BDL	BDL	BDL	BDL	18	20	4	BDL	3	BDL	BDL	3	BDL	BDL	24
Semivolatile Organic Compounds (SVOCs) (ppb)															
Acenaphthene	NA	BDL	NA	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
Anthracene	NA	BDL	NA	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
Benz(a)anthracene	NA	BDL	NA	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
Benzo(b)fluoranthene	NA	BDL	NA	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
Benzo(k)fluoranthene	NA	BDL	NA	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
Benzo(a)pyrene	NA	BDL	NA	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
Bis(2-ethyl hexyl)phthalate	NA	BDL	NA	204	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
Butyl benzyl phthalate	NA	BDL	NA	109	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
Chrysene	NA	BDL	NA	106	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
Di-n-butyl phthalate	NA	BDL	NA	151	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
Fluoranthene	NA	BDL	NA	230	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
Fluorene	NA	BDL	NA	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
Phenanthrene	NA	BDL	NA	245	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
Pyrene	NA	BDL	NA	110	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NA	BDL	NA	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
Total Petroleum Hydrocarbons (TPH) (ppm)															
TPH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.5	174,374
pH (no units)															
pH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 5 (continued)
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Media	Sample ID														
	10-27-MISC														
	57	58	59	60	61	62	63	64	65	66	67	68	69	70	
Volatile Organic Substances (VOCs) (ppb)															
1,1-Dichloroethylene	35	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
1,1,2-Dichloroethylene	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
1,1-Dichloroethane	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	96	BDL	
cis-1,2-Dichloroethylene	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
n-Butylbenzene	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
p-Isopropyltoluene	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Naphthalene	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Tetrachloroethylene	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
1,1,1-Trichloroethane	479	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Trichloroethylene	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
1,2,4-Trimethylbenzene	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
1,3,5-Trimethylbenzene	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Vinyl chloride	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Methylene Chloride	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Freon	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Total Solvents	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Metals (ppm)															
Arsenic	BDL	NA	NA	NA	NA	NA	NA	BDL*	BDL*	BDL	BDL	BDL*	BDL	BDL*	
Barium	BDL	NA	NA	NA	NA	NA	NA	BDL*	BDL*	1.3	BDL	BDL*	0.7	BDL*	
Cadmium	BDL	NA	NA	NA	NA	NA	NA	BDL*	BDL*	BDL	BDL	BDL*	BDL	BDL*	
Chromium, Total	BDL	NA	NA	NA	NA	NA	NA	BDL*	BDL*	BDL	BDL	BDL*	BDL	BDL*	
Lead	0.016	NA	NA	NA	NA	NA	NA	0.054*	BDL*	0.051	0.02	BDL*	0.025	BDL*	
Mercury	BDL	NA	NA	NA	NA	NA	NA	0.006*	BDL*	BDL	BDL	BDL*	BDL	BDL*	
Selenium	0.04	NA	NA	NA	NA	NA	NA	BDL*	BDL*	0.02	BDL	BDL*	BDL	BDL*	
Silver	BDL	NA	NA	NA	NA	NA	NA	BDL*	BDL*	BDL	BDL	BDL*	BDL	BDL*	
Polychlorinated Biphenyls (PCBs) (ppm)															
PCBs	BDL	BDL	BDL	BDL	BDL	BDL	1	BDL	BDL	BDL	10	BDL	2	2	BDL
Semivolatile Organic Compounds (SVOCs) (ppb)															
Acenaphthene	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Anthracene	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Benzo(a)anthracene	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	288	BDL	BDL	BDL	BDL	
Benzo(b)fluoranthene	773	NA	NA	NA	NA	NA	NA	BDL	BDL	388	BDL	BDL	BDL	BDL	
Benzo(k)fluoranthene	829	NA	NA	NA	NA	NA	NA	BDL	BDL	344	BDL	BDL	BDL	BDL	
Benzo(a)pyrene	416	NA	NA	NA	NA	NA	NA	BDL	BDL	357	BDL	BDL	BDL	BDL	
Bis(2-ethyl hexyl)phthalate	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Butyl benzyl phthalate	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Chrysene	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	447	BDL	BDL	BDL	BDL	
Di-n-butyl phthalate	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Fluoranthene	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	747	BDL	BDL	BDL	BDL	
Fluorene	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Phenanthrene	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	312	BDL	BDL	BDL	BDL	
Pyrene	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	660	BDL	BDL	BDL	BDL	
1,2,4-Trichlorobenzene	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Total Petroleum Hydrocarbons (TPH) (ppm)															
TPH	7,774	NA	NA	NA	NA	NA	NA	46	2.1	6,090	738	1.9	3,069	BDL	
pH (no units)															
pH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

Table 5 (continued)
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Media	Sample ID													
	10-27-MISC				10-28-MISC									
	71	72	73	74	75	76	77	78	79	80	81	82	83	84
Volatile Organic Substances (VOCs) (ppb)														
1,1-Dichloroethylene	BDL	NA	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	BDL
1,1,2-Dichloroethylene	60	NA	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	BDL
1,1-Dichloroethane	90	NA	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	BDL
cis-1,2-Dichloroethylene	146	NA	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	BDL
n-Butylbenzene	BDL	NA	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	BDL
p-Isopropyltoluene	BDL	NA	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	BDL
Naphthalene	BDL	NA	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	BDL
Tetrachloroethylene	1,377	NA	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	BDL
1,1,1-Trichloroethane	BDL	NA	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	BDL
Trichloroethylene	387	NA	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	BDL
1,2,4-Trimethylbenzene	BDL	NA	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	BDL
1,3,5-Trimethylbenzene	BDL	NA	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	BDL
Vinyl chloride	25	NA	BDL	BDL	BDL		NA	NA	NA	NA	NA	NA	NA	BDL
Methylene Chloride	BDL	NA	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	BDL
Freon	BDL	NA	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	BDL
Total Solvents	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals (ppm)														
Arsenic	BDL	NA	BDL	BDL	NA	BDL	NA	NA	NA	NA	NA	NA	NA	BDL
Barium	0.7	NA	BDL	BDL	NA	BDL	NA	NA	NA	NA	NA	NA	NA	BDL
Cadmium	BDL	NA	BDL	0.015	NA	BDL	NA	NA	NA	NA	NA	NA	NA	0.028
Chromium, Total	BDL	NA	BDL	BDL	NA	BDL	NA	NA	NA	NA	NA	NA	NA	BDL
Lead	0.015	NA	BDL	0.291	NA	BDL	NA	NA	NA	NA	NA	NA	NA	BDL
Mercury	BDL	NA	BDL	BDL	NA	BDL	NA	NA	NA	NA	NA	NA	NA	BDL
Selenium	BDL	NA	BDL	BDL	NA	BDL	NA	NA	NA	NA	NA	NA	NA	BDL
Silver	BDL	NA	BDL	BDL	NA	BDL	NA	NA	NA	NA	NA	NA	NA	BDL
Polychlorinated Biphenyls (PCBs) (ppm)														
PCBs	29	26	BDL	10	BDL	BDL	BDL	2	BDL	9,200	18,000	52	595	BDL
Semivolatile Organic Compounds (SVOCs) (ppb)														
Acenaphthene	BDL	NA	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL
Anthracene	BDL	NA	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL
Benz(a)anthracene	121	NA	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL
Benzo(b)fluoranthene	BDL	NA	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL
Benzo(k)fluoranthene	BDL	NA	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL
Benzo(a)pyrene	213	NA	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL
Bis(2-ethyl hexyl)phthalate	BDL	NA	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL
Butyl benzyl phthalate	BDL	NA	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL
Chrysene	363	NA	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,364
Di-n-butyl phthalate	BDL	NA	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL
Fluoranthene	305	NA	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL
Fluorene	133	NA	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL
Phenanthrene	753	NA	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	19,375
Pyrene	367	NA	BDL	22,753	NA	NA	NA	NA	NA	NA	NA	NA	NA	3,198
1,2,4-Trichlorobenzene	264	NA	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL
Total Petroleum Hydrocarbons (TPH) (ppm)														
TPH	16,114	NA	0.7	922,260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (no units)														
pH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 5 (continued)
Hazardous Material Survey
Analytical Results

Media	Sample ID													
	10-28-MISC										10-29-MISC			
	85	86	87	88	89	90	91	92	93	94	95	96	97	98
Volatile Organic Substances (VOCs) (ppb)														
1,1-Dichloroethylene	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	NA
1,1,2-Dichloroethylene	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	NA
1,1-Dichloroethane	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	NA
cis-1,2-Dichloroethylene	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	NA
n-Butylbenzene	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	NA
p-Isopropyltoluene	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	NA
Naphthalene	158	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	NA
Tetrachloroethylene	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	NA
1,1,1-Trichloroethane	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	NA
Trichloroethylene	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	NA
1,2,4-Trimethylbenzene	106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	NA
1,3,5-Trimethylbenzene	34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	NA
Vinyl chloride	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	NA
Methylene Chloride	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	NA
Freon	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	NA
Total Solvents	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals (ppm)														
Arsenic	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	NA	NA
Barium	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	NA	NA
Cadmium	0.112	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.057	BDL	NA	NA
Chromium, Total	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	NA	NA
Lead	0.266	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.299	BDL	NA	NA
Mercury	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	NA	NA
Selenium	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	NA	NA
Silver	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	NA	NA
Polychlorinated Biphenyls (PCBs) (ppm)														
PCBs	100	6	1	16	BDL	BDL	1	BDL	BDL	6	NA	BDL	12	6
Semivolatile Organic Compounds (SVOCs) (ppb)														
Acenaphthene	113	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	NA	NA
Anthracene	137	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	NA	NA
Benzo(a)anthracene	444	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	NA	NA
Benzo(b)fluoranthene	559	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	NA	NA
Benzo(k)fluoranthene	437	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	NA	NA
Benzo(a)pyrene	410	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	NA	NA
Bis(2-ethyl hexyl)phthalate	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	NA	NA
Butyl benzyl phthalate	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	NA	NA
Chrysene	497	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	NA	NA
Di-n-butyl phthalate	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	NA	NA
Fluoranthene	1,255	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	NA	NA
Fluorene	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	NA	NA
Phenanthrene	765	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	NA	NA
Pyrene	1,071	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	NA	NA
1,2,4-Trichlorobenzene	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	NA	NA
Total Petroleum Hydrocarbons (TPH) (ppm)														
TPH	2,760	NA	NA	NA	NA	NA	NA	NA	NA	NA	440	561	NA	NA
pH (no units)														
pH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9	NA	NA	NA

Table 5 (continued)
Hazardous Material Survey
Analytical Results

Media	Sample ID													
	10-29-MISC								11-3-MISC					
	99	100	101	102	103	104	105	106	107	108	109	110	111	112
Volatile Organic Substances (VOCs) (ppb)														
1,1-Dichloroethylene	BDL	BDL	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA
1,1,2-Dichloroethylene	BDL	BDL	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	BDL	BDL	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethylene	BDL	BDL	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	BDL	BDL	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	BDL	BDL	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA
Naphthalene	BDL	BDL	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethylene	BDL	BDL	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	BDL	BDL	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA
Trichloroethylene	BDL	BDL	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	BDL	BDL	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	BDL	BDL	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	BDL	BDL	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	BDL	BDL	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA
Freon	BDL	BDL	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA
Total Solvents	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals (ppm)														
Arsenic	BDL	BDL	0.05	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA
Barium	BDL	BDL	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA
Cadmium	BDL	0.084	0.21	NA	NA	NA	0.012	NA	NA	NA	NA	NA	NA	NA
Chromium, Total	BDL	0.66	0.66	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA
Lead	BDL	0.7	BDL	NA	NA	NA	0.113	NA	NA	NA	NA	NA	NA	NA
Mercury	BDL	BDL	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA
Selenium	0.1	0.01	0.06	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA
Silver	BDL	BDL	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyls (PCBs) (ppm)														
PCBs	BDL	BDL	NA	BDL	BDL	BDL	BDL	BDL	BDL	1	3	BDL	BDL	BDL
Semivolatile Organic Compounds (SVOCs) (ppb)														
Acenaphthene	BDL	BDL	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA
Anthracene	BDL	BDL	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	BDL	BDL	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	BDL	BDL	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	BDL	BDL	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	BDL	BDL	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA
Bis(2-ethyl hexyl)phthalate	BDL	BDL	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA
Butyl benzyl phthalate	BDL	BDL	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA
Chrysene	108	BDL	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA
Di-n-butyl phthalate	BDL	BDL	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	181	119	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA
Fluorene	BDL	BDL	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	184	230	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA
Pyrene	255	BDL	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	BDL	BDL	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (TPH) (ppm)														
TPH	NA	NA	110	NA	NA	NA	133	NA	NA	NA	NA	NA	NA	NA
pH (no units)														
pH	9.3	3.3	3.0	NA	NA	NA	7.2	NA	NA	NA	NA	NA	NA	NA

Table 5 (continued)
Hazardous Material Survey
Analytical Results

Media	Sample ID																		
	11-16-MISC															12-2-MISC		12-13-MISC	
	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	
Volatile Organic Substances (VOCs) (ppb)																			
1,1-Dichloroethylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Dichloroethylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	NA
1,1,1-Trichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	NA
Trichloroethylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	NA
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	NA
Methylene Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	BDL	BDL	NA
Freon	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	BDL	BDL	NA
Total Solvents	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	NA
Metals (ppm)																			
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyls (PCBs) (ppm)																			
PCBs	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	ND	BDL	BDL	15
Semivolatile Organic Compounds (SVOCs) (ppb)																			
Acenaphthene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benz(a)anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-ethyl hexyl)phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butyl benzyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (TPH) (ppm)																			
TPH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (no units)																			
pH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Notes: ppb - means parts per billion ppm - means parts per million BDL - means below detection limit NA - means not analyzed Bolded and shaded values indicate regulatory exceedance * - means aqueous sample, metal results reflect Total metals analysis as opposed to TCLP results as indicated ** - means collected during previous site investigation																			
																		Prepared by: JLS	
																		Checked by: JW & MP	

**Table 6
Hazardous Material Summary**

Material	Waste Type	Quantity Estimates
<i>PCB-Containing Equipment</i>		
Transformer G	PCB-contaminated (<50 ppm PCB transformer oil)	10,000 gallons
Transformer G LTC Compartment	Non-PCB (<1 ppm PCB transformer oil)	360 Gallons
Two Transformer G Circuit Breakers	Non-PCB (<1 ppm PCB transformer oil)	750 gallons
Transformers 1, 2, and 3	PCB-contaminated (<50 ppm PCB transformer oil)	1,830 gallons
Transformers 37A and 7A	Non-PCB (<1 ppm PCB transformer oil)	450 gallons
Transformers 30B and 7B	TSCA-Regulated (>550 ppm PCB transformer oil)	1,400 gallons
Transformer 38A and 8A	Non-PCB (<1 ppm PCB transformer oil)	800 gallons
Transformer 8B	TSCA-Regulated (>550 ppm PCB transformer oil)	700 gallons
Three Cathodic Rectifier Units; Screen House No. 3	TSCA-Regulated (50-500 ppm PCB transformer oil)	300 gallons
Two Cathodic Rectifier Units; Screen House No. 4	TSCA-Regulated (50-500 ppm PCB transformer oil)	200 gallons
Six Boiler #13 and #14 Precipitator Transformers/ Rectifiers	PCB-Contaminated (<50 ppm PCB transformer oil)	2,200 gallons
Wall-Mounted Transformer in New Reactor Room	TSCA-Regulated (>550 ppm PCB transformer oil)	50 gallons
Potential Transformers	TSCA-Regulated (>550 ppm PCB transformer oil)	400 gallons
Capacitors	TSCA-Regulated (>550 ppm PCB oil)	300 gallons
Oil Bath Circuit Breakers	TSCA-Regulated (>550 ppm PCB oil)	3,000 gallons
<i>Other Equipment/Materials</i>		
Sludge From Sodium Hypochlorite Tanks	Regulated or hazardous waste (corrosive)	100 gallons
Fire Extinguishers	Regulated or Hazardous Waste (depends on type of extinguisher)	100 units
Mercury-Containing Switches, Reservoirs, Thermometers	Hazardous Waste	400 pounds
Fluorescent Light ballasts	Hazardous Waste	3,000 pounds

Table 6 (continued)
Hazardous Material Summary

Material	Waste Type	Quantity Estimates
<i>Other Equipment/Materials (continued)</i>		
Lead-Acid Batteries	Hazardous Waste	750 pounds
Gas Cylinder (include carbon dioxide, oxygen, nitrogen, hydrogen, acetylene, and unlabeled cylinders)	Connecticut Regulated or Hazardous Waste (depending on contents)	500 pounds
Fuel Oil (from piping)	Connecticut Regulated Waste	10,000 gallons
Miscellaneous Containerized Oils/Chemicals	Connecticut Regulated Waste or Hazardous Waste (depending on contents)	1,500 gallons
PCB-Impacted Building Materials	TSCA-Regulated (>50 ppm PCBs)	2,500 tons
PCB-Impacted Building Materials	PCB-Contaminated (1-50 ppm PCBs)	6,500 tons
Floor Drain Sediments	TSCA-Regulated (>50 ppm PCBs)	4 tons
Floor Drain Sediments	PCB-Contaminated (1-50 ppm PCBs)	30 tons
Floor Drain/Tunnel Sediments	Connecticut Regulated Waste	30 tons
Miscellaneous Sediments/Sludges	Connecticut Regulated Waste	30 tons
Lube Oil	Connecticut Regulated Waste	15,000 gallons
Miscellaneous Oily Sludge/Sediment	PCB-Contaminated (1-50 ppm PCBs)	10,000 gallons
Miscellaneous Liquids	PCB-Contaminated (1-50 ppm PCBs)	20,000 gallons
Miscellaneous Liquids	Connecticut Regulated Waste	10,000 gallons
Skip Hoist Sediment	Hazardous Waste	1 tons

Note:

Quantities listed are approximate, based on a review of applicable plans and the site inspection, and are for cost estimating purposes only. Actual quantities requiring removal may vary.

HWPROCBLOTLGServiceTABLE6.WPD

4th Fl DEC 20 1999
60 cells
@ ≥ 50 lb/cell

HP
60 cells c. 40 ± lb/cell
⇒ ≥ 6000 lb

Table 7
English Station
Lead-Based Paint Analytical Results Summary

Sample ID	Sample Location	Sample Material Description	TCLP Lead Concentrations (ppm)
<i>Low Pressure Boilers/Turbine Areas</i>			
11-10-LBP-06	Low Pressure Turbine; 2 nd floor office and bus room No. 1; wall	Red (12"x 5") brick block walls; off-white paint	0.056
11-10-LBP-07	Low Pressure Turbine; 2 nd floor bus room No. 1; wall	Gray concrete walls; dark gray paint	BDL
11-10-LBP-08	Low Pressure Turbine; 2 nd floor; north office area; wall	Red (8" x 2 ½") brick walls; off-white paint	0.063
11-10-LBP-09	Low Pressure Turbine area; 2 nd floor; north common hall for buses No. 1 and 2; wall	Red (8" x 2 ½") brick walls; dark gray paint	0.014
11-10-LBP-10	Low Pressure Switchboard Room; 4 th floor; office area; wall	White (12½"x 5") concrete block walls; green paint	0.649
11-10-LBP-11	Low Pressure Switchboard Room; 4 th floor; office area; wall	Large (12"x 12") brick block walls; green paint	0.666
11-10-LBP-12	Low Pressure Switchboard Room; 4 th floor; hallway to locker room; wall	Rough concrete walls; green paint	BDL
11-10-LBP-13	Low Pressure Switchboard Room; 4 th floor; east wall toward turbine room; wall	Red (4¼"x 12") brick block walls; green paint	12.0
11-10-LBP-14	Low Pressure Switchboard Room; 4 th floor; outside of office area	Light gray concrete flooring (throughout); gray paint	BDL
11-10-LBP-15	Low Pressure Switchboard Room; 4 th floor; outside of office area; wall	Smooth concrete walls; green paint; Pyrobar wall with surface coat	0.174
11-10-LBP-16	Low Pressure Switchboard Room; 4 th floor; south of generator switchboard room; wall	Gray (15"x 7½") cinder block walls; green paint	BDL
11-10-LBP-17	Low Pressure Switchboard Room; 4 th floor; southwest office	Red (8" x 2½") brick walls; green paint	0.460
11-10-LBP-18	Low Pressure Turbine; 2 nd floor; electrical repair room; south wall	Beige (8"x 2½") brick walls; green paint	BDL
11-10-LBP-19	Low Pressure Boilers; Area A; labor; 2 nd floor; south wall	Rough concrete walls; green paint	0.418
11-10-LBP-20	Low Pressure Boilers; Area A; 2 nd floor; adjacent to No. 4 boiler; east wall	Red (12"x 5") brick block walls; silver paint	BDL
11-10-LBP-21	Low Pressure Boilers; Area A; 2 nd floor; east wall; adjacent to No. 4 boiler	Red (8"x 2½") brick walls; green paint; silver underneath	0.007
11-10-LBP-22	Low Pressure Boilers; Area 3; 2 nd floor; west wall; in between boilers 10 and 8	Red (12"x 5") brick block walls; silver paint	0.027
11-10-LBP-23	Low Pressure Boilers; Area B; 2 nd floor; east wall; adjacent to No. 7 boiler; wall	Red (8" x 2 ½") brick wall; green paint; silver paint underneath	0.474
11-10-LBP-24	Low Pressure Boilers; 1 st floor; condenser unit #4 Pedestal (support column)	Light gray concrete; dark gray paint; white paint underneath	BDL
11-10-LBP-25	Low Pressure Boilers; Area B; condenser; 1 st floor area at border with machine shop; wall	Red (12"x 5") brick block wall; black paint	0.049
11-10-LBP-26	Low Pressure Boilers; 1 st floor; fuel oil pump and heater room; wall	Light gray (15½" x 7 ½") cinder block wall; gray paint	0.071
11-18-LBP-38	Low Pressure Conduit Room; 3 rd Floor; wall	Red (8" x 2 ½") brick walls; dark green paint	1.49
12-2-LBP-39 (resample of LBP-13)	Low Pressure Switchboard Room; 4 th floor; east wall toward turbine room; wall	Red (4¼"x 12") brick block walls; green paint	4.96

Table 7 (continued)
English Station
Lead-Based Paint Analytical Results Summary

Sample ID	Sample Location	Sample Material Description	TCLP Lead Concentrations (ppm)
<i>High Pressure Boilers/Turbine Area</i>			
11-9-LBP-01	High Pressure Boiler #14; 3 rd floor mezzanine; interior air cleaning room; walls	Concrete from floor; red paint	BDL
11-9-LBP-02	High Pressure Boiler No. 13; 2 nd floor; former ash control room; walls	Red (8" x 2 1/4") brick walls; off-white paint	0.008
11-9-LBP-03	High Pressure Boiler No. 13; 2 nd floor; gage board room; wall	Gray (15 1/2" x 7 1/2") cinder block walls; light green paint	BDL
11-9-LBP-04	High Pressure Boiler No. 13/Condenser Area; 1 st floor; wall bordering Low Pressure Boiler condensers	Gray concrete walls; gray paint	BDL
11-9-LBP-05	Screen house No. 4; 1 st floor	Red (8" x 2 1/2") brick walls; dark gray paint	0.491
11-10-LBP-27	High Pressure Boilers; 1 st floor; fuel oil pump room; south wall	Red (8" x 2 1/2") brick walls; white paint	BDL
<i>Station B</i>			
11-17-LBP-31	Station B; 1 st floor; south wall	Red (8 1/2" x 2 1/2") brick walls; green paint	0.010
11-17-LBP-32	Station B; 1 st floor; south exterior office wall inside warehouse	Tan (12" x 12") brick block walls; green paint	BDL
11-17-LBP-33	Station B; 2 nd floor; north wall	Red (8 1/2" x 2 1/2") brick walls; light green paint	8.34
11-17-LBP-34	Station B; 2 nd floor; northeast side; ceiling (wood)	Wood ceiling; white paint	143
11-17-LBP-35	Station B; 1 st floor; east office areas; walls	Red (8 1/2" x 2 1/2") brick walls; off white painted	0.201
11-17-LBP-36	Station B; 1 st floor; east office areas; walls	Grey (7 1/2" x 15 1/2") cinder block walls; off white paint	BDL
11-17-LBP-37	Station B; 1 st floor; east office areas; walls	Tan (12" x 12") brick block walls; off white paint	0.512
12-2-LBP-40 (resample of LBP-33)	Station B; 2 nd floor; north wall	Red (8 1/2" x 2 1/2") brick walls; light green paint	0.019
12-2-LBP-41 (resample of LBP-34)	Station B; 2 nd floor; northeast side; ceiling (wood)	Wood ceiling; white paint	1.12
<i>Secondary Buildings</i>			
11-12-LBP-28	Conference/Employee Building Room; concrete floor	Concrete floor; gray paint	BDL
11-12-LBP-29	Conference/Employee Building Room; walls	Black/dark gray (15 1/2" x 7 1/2") cinder block walls; gray & white paint	0.106
11-12-LBP-30	Contractors building; walls	Composite on interior material; black/dark gray (15 1/2" x 7 1/2") cinder block walls; green, peach & light green paint	BDL
12-2-LBP-42	Station B; 2 nd floor; northwest side; ceiling (wood)	Wood ceiling; white paint	0.470
Notes: Bolded and shaded values indicate an exceedance of regulatory criteria. ppm - means parts per million			

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