



August 22, 2019

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

Re: 2019 Interior Conditions Assessment – PCBs in Building Materials
Fairfield Ludlowe High School, Fairfield, Connecticut

Dear Ms. Tisa:

This letter has been prepared on behalf of the Fairfield Public Schools to provide a summary of results for the most recent round of indoor monitoring conducted in support of the ongoing assessment of interior conditions with regard to the presence of polychlorinated biphenyl (PCB) containing paints on interior concrete masonry unit (CMU) wall surfaces at the Fairfield Ludlowe High School (FLHS) building located at 785 Unquowa Road in Fairfield, Connecticut.

Background

As required by Condition 1(b) of the United States Environmental Protection Agency's (EPA) December 10, 2015 PCB Cleanup and Disposal Approval under 40 CFR 761.61(c) and 761.79(h) (the Approval) for the building, a Feasibility Study was submitted in December 2017 to assess potential remedial alternatives and select a remedial option to address an underlying, non-accessible ≥ 50 parts per million (ppm) PCB containing interior paint in the 1961/1962 portion of the FLHS. Given that interior paints within the 1950 and 1971/1972 portions of the building have been detected with concentrations of < 50 ppm PCBs and are also subject to 40 CFR 761 and the Connecticut Department of Energy and Environmental Protection's (CTDEEPs) PCB Program, the Feasibility Study included an evaluation and approach for interior paints where PCBs have been detected at concentrations > 1 ppm.

As described in the Feasibility Study, an evaluation of interior conditions was conducted to confirm the conceptual site model and to demonstrate stabilized conditions in the interior environment via indoor air sampling and surface wipe sampling of painted surfaces and higher dermal contact surfaces such as tables and windowsills. Prior to this most recent event, three rounds of indoor air sampling (April 2017, December 2017, and June 2018) and two rounds of surface wipe sampling (April 2017 and December 2017) were conducted with all results reported to EPA.

In summary of the previous interior sampling, analytical results from the 37 wipe samples collected from painted surfaces and the nine samples collected from horizontal surfaces reported PCBs as non-detect (< 0.20 ug/100cm²) indicating that PCBs are not available for direct contact transfer from painted surfaces or from surfaces with anticipated higher dermal contact. Based on these results, no further wipe sampling of horizontal surfaces were proposed for future monitoring events.

With regard to the indoor air assessment, discussions with school personnel indicated that collecting indoor air samples over three calendar intervals would represent differing ventilation and seasonal conditions, as this is driven by the individual unit/room ventilation units operated when the rooms are in use/students in session. The three events are represented by:

- Cooler Temperatures – Fall and Spring
- Colder Temperatures – Late Fall/Winter
- Warmer Temperatures – Summer/Early Fall



The results of the three rounds of indoor air sampling indicated all sample results were below EPA's published levels for indoor air in a school environment and/or the site-specific calculated levels for workers in year-round occupied spaces of the building, specific to the subject uses. With regard to seasonal variations, the average reported PCB concentrations were higher during the warmer temperature sampling event with the exception of the 1971/1972 wings where the average concentration was slightly higher during the winter sampling event. The graphical representation of the seasonal results from the three previous rounds of indoor air sampling, which was originally presented in the November 2018 submittal, is included in Attachment A for reference.

Based on the results of the three sampling events, and because the Feasibility Study is still under review, it was proposed in the November 2018 submittal to conduct an additional round of indoor air sampling in June 2019 to provide additional monitoring data from the warmer periods of Summer/Early Fall when the average reported PCB concentrations were typically the higher of the three previous sampling events.

Indoor Air Sampling Event – June 2019

Nineteen indoor air samples and one ambient/outdoor air sample were collected on June 20, 2019 from the locations proposed in the November 2018 submittal. Sample locations were selected to include a minimum of one sample per floor for each building wing including samples from three spaces with year-round occupancy. Locations included various dates of construction, types of paint within a space, and spaces which either did or did not formerly contain window caulking containing PCBs ≥ 50 ppm (removal of ≥ 50 ppm PCB caulking was completed in 2017 and 2018).

Samples were collected over a minimum of six hours in accordance with EPA Compendium Method TO-10A Determination of Pesticides and Polychlorinated Biphenyls in Ambient Air Using Low Volume Polyurethane Foam (PUF) Sampling. Samples were submitted to ConTest Analytical Laboratory for PCB homolog analysis via Gas Chromatographic/Multi-Detector Detection.

Field observations made during the sampling event and discussions with school personnel indicated that the ventilation was operating under normal warm weather conditions at the time of the sampling. Room windows and doors were kept shut during the sampling event. Temperature in the rooms during the sampling event were in the mid-70's with average temperatures of approximately 75- and 76-degrees Fahrenheit at the start and end of the sampling, respectively. Light rain did occur in the afternoon during the final few hours of the sampling.

The locations of the indoor air samples are presented on the floor plans provided in Attachment B and the complete analytical laboratory report is provided in Attachment C. A summary of the analytical results is provided on Table 1 and below.

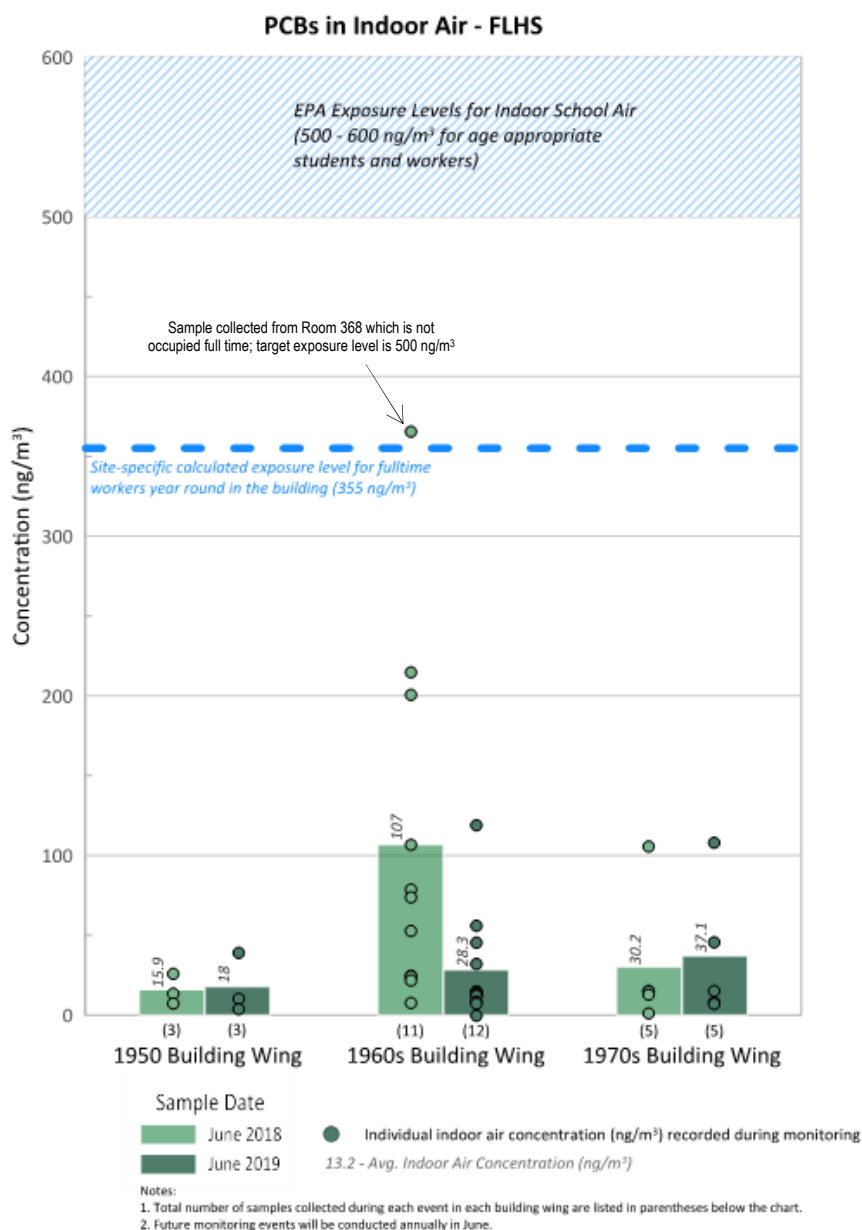
Overall, the analytical results were compared to the target indoor air levels of 500 to 600 ng/m³ (EPA's published levels for the evaluation of indoor school air for high school age students and age 19+ students and adults) or the site-specific risk-based exposure level of 355 ng/m³ for a limited number of administrative and custodial staff that work year-round at the school (as described in the memorandum entitled "Additional Indoor Air Calculated Exposure Levels" dated May 16, 2018). As shown on Table 1, analytical results from each of the 19 samples were below the applicable exposure level with maximum reported concentrations in each of the three areas of 39.3 ng/m³ (1950 Areas), 108.3 ng/m³ (1971/1972 Areas), and 119 ng/m³ (1961/1962 Areas).

As described above, the samples were collected in June to evaluate indoor air conditions during warmer periods when the concentrations of PCBs in indoor air are anticipated to be highest (based on the previous three sampling results). Therefore, the following evaluation includes a comparison of the results to the June 2018 sampling results to evaluate conditions overtime (year to year). A summary of the analytical results for each construction area/type of space is provided below.



- 1950 area (no ≥ 50 ppm PCB caulking or paints) – A total of three samples were collected, one from each floor including two samples from within spaces with reported year-round occupancy (the main administrative office on the 2nd floor and the custodial workroom on the 1st floor). Analytical results indicated that PCBs were present at concentrations of 4.1, 10.6, and 39.3 ng/m³ with an average concentration of 18 ng/m³. These results were consistent with the June 2018 sampling event when results ranged from 7.6 to 26.2 ng/m³ with an average reported concentration of 15.9 ng/m³.
- 1971/1972 area (≥ 50 ppm window caulking, no ≥ 50 ppm paint) – Five samples were collected from the east and west side areas of this portion of the FLHS. Analytical results were reported as follows:
 - One sample was collected from a hallway (transitory area) without ≥ 50 ppm caulking. Analytical results were reported at a concentration of 46 ng/m³. This result is lower than the reported concentration from the June 2018 sampling results where PCBs were reported at a concentration of 106 ng/m³ at the same location.
 - Four samples were collected from spaces that had caulking abated in either 2017 or 2018 including one sample from Room 247 which is reported to have year-round occupancy. Analytical results from these samples reported PCBs at concentrations of 7, 8.5, 15.4, and 108.3 ng/m³. These results were generally consistent with the June 2018 event where results ranged from 1.4 to 15.5 ng/m³ with an average of 11.3 ng/m³ compared to the 2019 average of 34.3 ng/m³.
- 1961/1962 area (former ≥ 50 ppm window caulking and ≥ 50 ppm paint in select areas) – Eleven samples were collected from these portions of the FLHS building. Analytical results were reported as follows:
 - One sample was collected from spaces that did not contain ≥ 50 ppm paint or ≥ 50 ppm caulking. Analytical results from this sample reported PCBs at a concentration of 14.6 ng/m³, consistent with the June 2018 sampling event when PCBs were reported at a concentration of 8 ng/m³.
 - Five samples were collected from spaces that did not contain ≥ 50 ppm paint but did have ≥ 50 ppm caulking that was abated in 2017 or 2018. Analytical results from these samples reported PCBs at concentrations ranging from 9 to 46 ng/m³. These results are lower than the results from June of 2018 where PCBs were reported at concentrations of 24.5, 74, and 365.8 ng/m³. The reduction in reported concentrations between events includes a reduction in reported concentrations within Room 368 where PCBs decreased from 365.8 to 46 ng/m³ from 2018 to 2019.
 - Five samples were collected from spaces that did contain ≥ 50 ppm paint and did have ≥ 50 ppm caulking that was abated in either 2017 or 2018. Analytical results from these samples reported PCBs as non-detect in one sample and at concentrations ranging from 7 to 119 ng/m³ with an average reported concentration of 53.5 ng/m³. Overall, these results are lower than those reported in the seven samples collected from these spaces in 2018. Analytical results from that sampling event reported PCBs at concentrations ranging from 22 to 215 ng/m³ with an average concentration of 100.3 ng/m³.

A comparison of the results from the 2018 and 2019 sampling events for each of the three construction dates/areas is presented on the graphic below.



As shown of the above graph, PCB concentrations were consistent from 2018 to 2019 in both the 1950's and 1970's portions of the buildings. Within the 1960's areas, analytical results indicate a decrease in PCB concentrations between the 2018 and 2019 sampling events. Specifically, the average reported concentration decreased from 107 ng/m³ in 2018 to 28.3 ng/m³ in 2019 and the highest reported concentration decreased from 365.8 ng/m³ in 2018 to 119 ng/m³ in 2019.



Conclusions and Next Steps

Overall, the results of the June 2019 indoor air sampling support the conceptual site model and continue to demonstrate a stabilized interior condition with no significant risk to building occupants through potential inhalation pathways (all results well below the applicable exposure level).

As such and given the Feasibility Study is still under review, it is proposed to conduct an additional indoor air sampling in June 2020. Consistent with the 2019 event and past results, no additional surface wipe sampling from interior surfaces is proposed. The locations will be selected consistent with previous events to include a minimum of one sample per floor for each building wing including samples from spaces with year-round occupancy. Following completion of the 2020 event, the results will be documented in a report and submitted to EPA. This report will include a recommendation for any additional monitoring activities.

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

Sincerely,

WOODARD & CURRAN INC.

George J. Franklin, CHMM
Technical Manager

Jeffrey A. Hamel, LSP, LEP
Senior Principal

cc: Gary Trombly, CTDEEP
Sal Morabito, Fairfield Public Schools

Enclosures: Table 1 – Summary of Indoor Air Sampling Locations and Total PCB Results
Attachment A – Graphical Presentation of Previous Indoor Air Sampling Results
Attachment B – Floor Plans and Sample Locations
Attachment C – Analytical Laboratory Reports



Table 1

Table 1
Summary of Indoor Air Sampling Results - June 2019
Fairfield Ludlowe High School

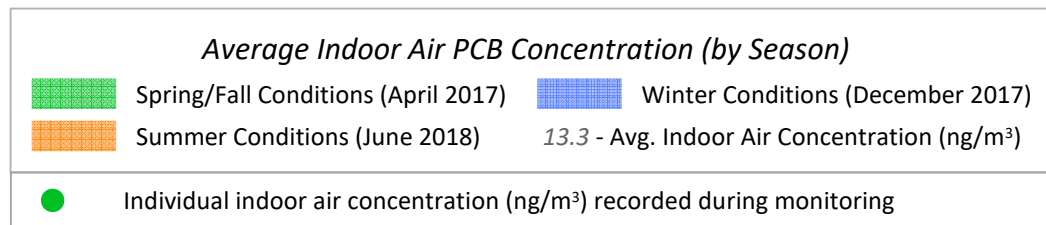
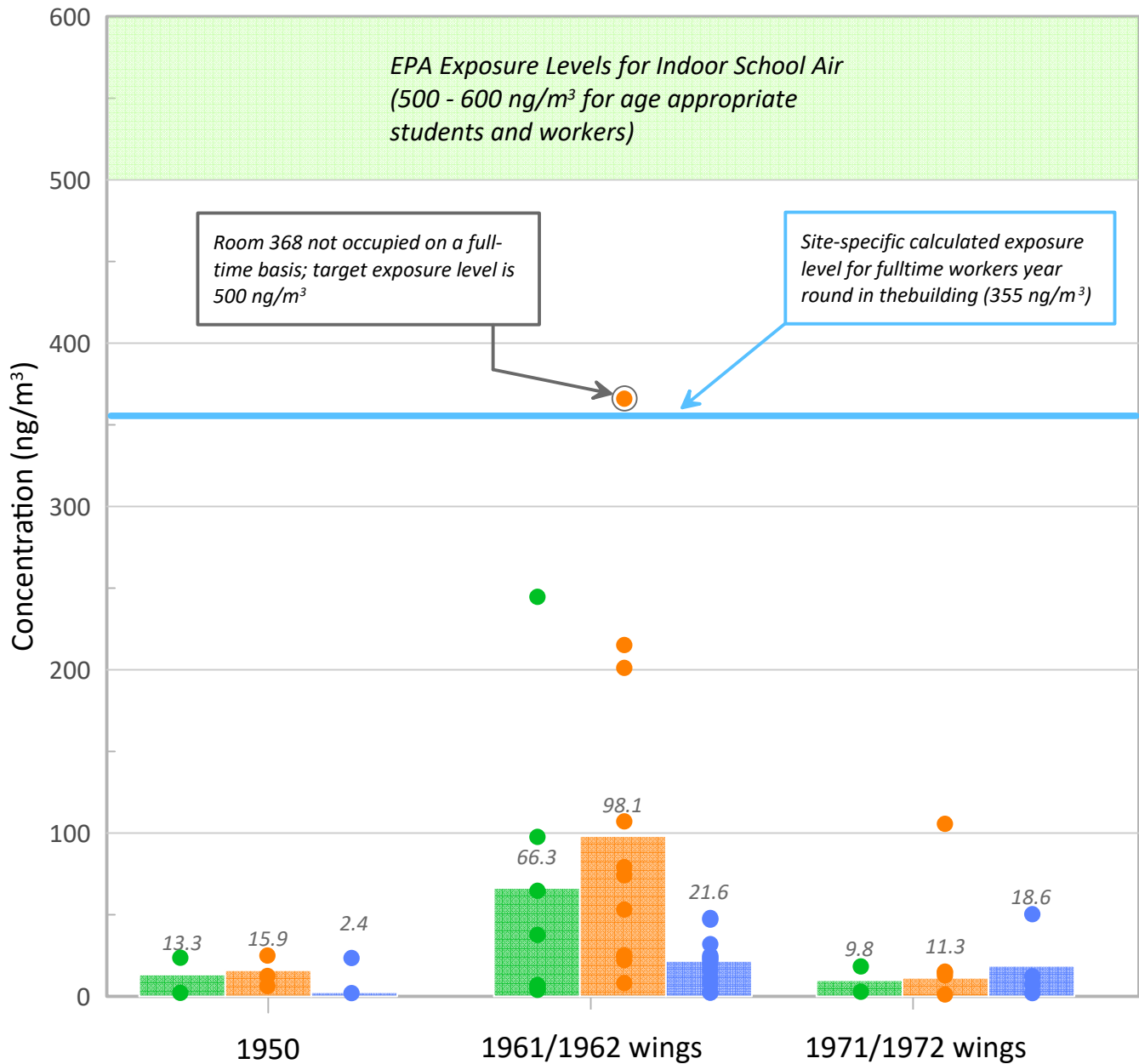
Building Wing	Area Grouping	Rooms	Applicable Indoor Air Exposure Level	June 2018 Sample Results (ng/m3)	June 2019 Sample Locations			
					Location	Sample ID	Sample Date	Total PCBs (ng/m ³)
1950 Area	Administrative Areas (year round occupancy)	Admin Suite, Guidance Suite, PPT Suite, Media Area, House Offices, Custodian Spaces	355 ng/m ³ based on year round occupancy in Main Office (Room 282), Rooms 266/266A, and Room 285D	1 sample; 7.6 ng/m ³	Main Office Room 282 - 2nd Floor	FLHS-IAS-1008	6/20/2019	4.1
					Custodian Workroom - 1st Floor	FLHS-IAS-1000	6/20/2019	10.6
	Classrooms and Laboratories	1st Floor - Room 129, 127 2nd Floor - Wright Guidance Office, Room 221 3rd Floor - Rooms 315, 316, 324, 356, 357, 358, 359, 360	600 ng/m ³ - 15 to 19 yr. old students 500 ng/m ³ - students 19+ and adults	2 samples; 13.8 and 26.2 ng/m ³	Room 315 - 3rd Floor Classroom	FLHS-IAS-1014	6/20/2019	39.3
1971-1972 Area (no > 50 ppm paint present)	Areas without former > 50 ppm Window Caulking	Transitory Spaces (gymnasium, hallways) and Rooms 150, 151, 152, 153	600 ng/m ³ - 15 to 19 yr old students 500 ng/m ³ - students 19+ and adults	1 sample; 106 ng/m ³	East Wing; East Side Hallway - 1st Floor	FLHS-IAS-1003	6/20/2019	46
	Classrooms with former > 50 ppm Window Caulking ^(Note 1)	Lower Level - Rooms 002, 004 1st Floor - Rooms 145, 146, 147, 148, 149 2nd Floor - Rooms 243, 244, 249, 250, 251, 252, 253, 254, 255, 256, 257, 262 3rd Floor Rooms - 343, 344, 345,347, 349, 373, 375	600 ng/m ³ - 15 to 19 yr. old students 500 ng/m ³ - students 19+ and adults	3 samples; 1.4 to 15.5 ng/m ³	East Wing; Room 002 - Lower Level	FLHS-IAS-1005	6/20/2019	15.4
					West Wing; Room 146 - 1st Floor	FLHS-IAS-1020	6/20/2019	8.5
					West Wing; Room 347 - 3rd Floor	FLHS-IAS-1018	6/20/2019	108.3
	Administrative and Support Rooms with former > 50 ppm Window Caulking ^(Note 1) (year round occupancy in some spaces)	1st Floor - Rooms 142, 142A 2nd Floor - 245 Suite, Room 246, 247 Suite, Room 248 3rd Floor Rooms - 342 Suite	Rooms 247D and 342C - 355 ng/m ³ (yr. round occupancy) Other Spaces - 600 ng/m ³ - 15 to 19 yr. old students 500 ng/m ³ - students 19+ and adults	1 sample; 15 ng/m ³	West Wing; Room 247 Suite - 2nd Floor	FLHS-IAS-1011	6/20/2019	7
1961-1962 Areas	Areas without Pale Green Paint or former > 50 ppm Window Caulking (year round occupancy in some spaces)	Transitory Spaces (cafeteria, gymnasium, hallways) and Rooms without > 50 ppm paint or > 50 ppm caulking	Room 123 (PE Director Office) - 355 ng/m ³ (yr. round occupancy) Other Spaces - 600 ng/m ³ - 15 to 19 yr. old students 500 ng/m ³ - students 19+ and adults	1 sample; 8.0 ng/m ³	East Wing; Room 125 - 1st Floor	FLHS-IAS-1002	6/20/2019	14.6
	Rooms without Pale Green Paint and Containing former > 50 ppm Window Caulking ^(Note 1)	Lower Level - Rooms 015, 024, 030 1st Floor - Room 121, 122, 125, 126, 130, 133, Office Space, Kitchen Area 2nd Floor - Rooms 201, 202, 203, 204, 234, 235, 236, 237 3rd Floor - Rooms 301, 302, 328, 329, 331, 333, 368, 369, 370, Office Suite 338	600 ng/m ³ - 15 to 19 yr. old students 500 ng/m ³ - students 19+ and adults	3 samples; 24.5, 74, and 365.8 ng/m ³	East Wing; Room 015 - Lower Level	FLHS-IAS-1006	6/20/2019	15.2
					West Wing; Kitchen Area - 1st Floor	FLHS-IAS-1001	6/20/2019	13.2
					West Wing; Room 234 - 2nd Floor	FLHS-IAS-1010	6/20/2019	9
					East Wing; Room 368 Offices - 3rd Floor	FLHS-IAS-1012	6/20/2019	46
					West Wing; Room 333 - 3rd Floor	FLHS-IAS-1015	6/20/2019	13
	Rooms with Pale Green Paint and Containing former > 50 ppm Window Caulking ^(Note 1)	1st Floor - Room 115 and adjacent Storage 2nd Floor - Rooms 205, 211, 213, 214, 215, 220, 223, 224, 225, 226, 227, 228, 230, 232, 233, and Nurses Suite 3rd Floor - Rooms 303, 304, 305, 306, 312, 313, 314, 317, 318, 319, 320 ,321, 322, 324, 325, 326, 327	600 ng/m ³ - 15 to 19 yr. old students 500 ng/m ³ - students 19+ and adults	7 samples; 22 ng/m ³ to 215 ng/m ³	East Wing; Room 115 - 1st Floor	FLHS-IAS-1004	6/20/2019	7
					West Wing; Room 227 Classroom - 2nd Floor	FLHS-IAS-1009	6/20/2019	32
					East Wing; Room 213 Chemistry Lab - 2nd Floor	FLHS-IAS-1007	6/20/2019	56
					West Wing; Room 324 Classroom - 3rd Floor	FLHS-IAS-1017	6/20/2019	119
					East Wing; Room 303 - 3rd Floor	FLHS-IAS-1013	6/20/2019	ND (< 5.0)
Ambient/ Outside	N/A	N/A	Not Applicable - Ambient	3 samples; non-detect (<4.7 and <5.3 ng/m ³) and 3.4 ng/m ³	Western Courtyard	FLHS-IAS-1019	6/20/2019	ND (<5.0)

Notes:
1. All > 50 ppm caulking was removed during the 2017 and 2018 window replacement/abatement activities.
Air samples to be collected in accordance with USEPA Compendium Method TO-10A over a minimum of 6 hours and submitted to the laboratory for PCB homolog analysis.
Total PCB concentration is the total PCB homologs reported by the laboratory (ng/cartridge) corrected for the sample volume.



**ATTACHMENT A: GRAPHICAL REPRESENTATION OF PREVIOUS
INDOOR AIR SAMPLING RESULTS**

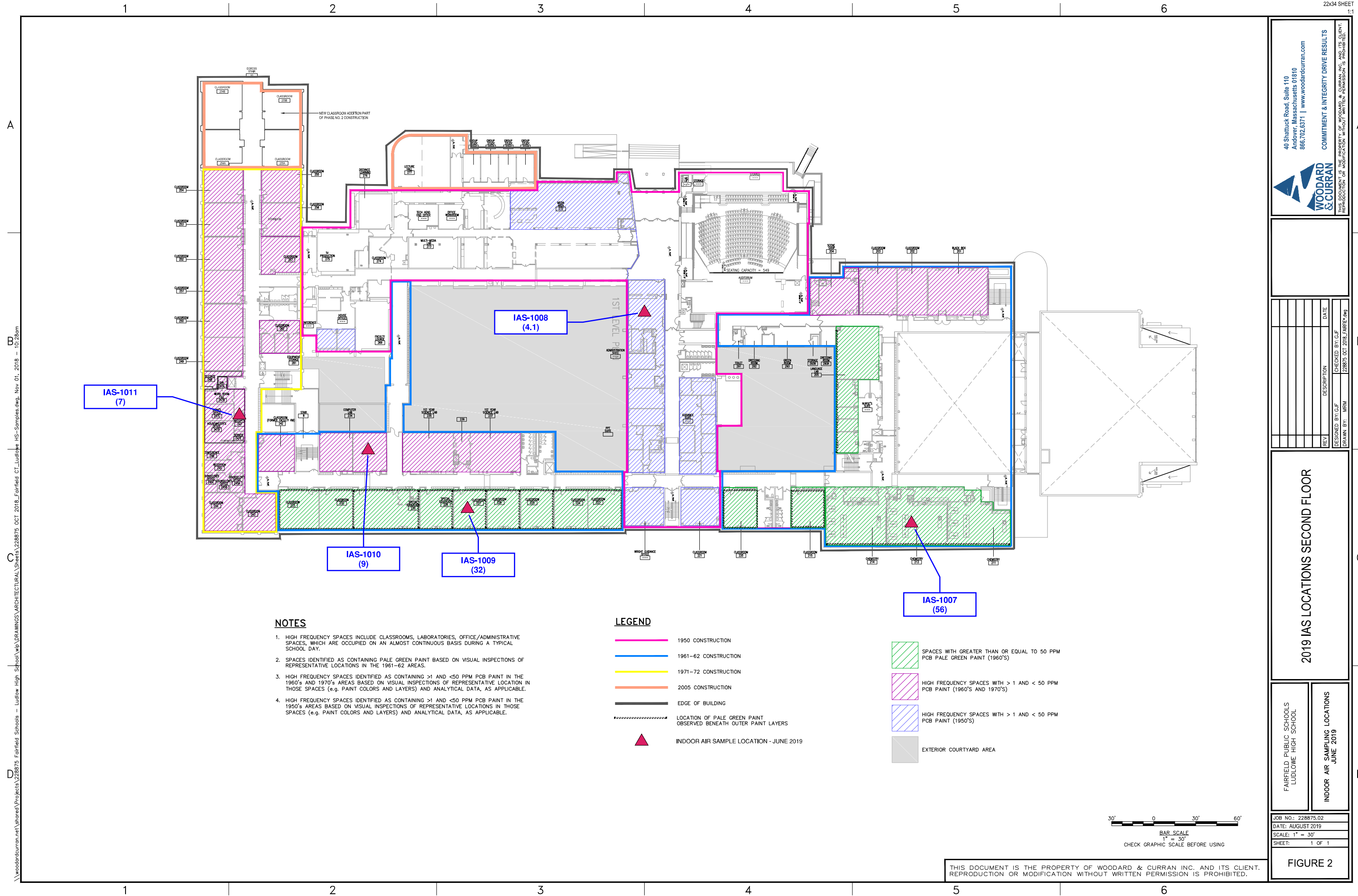
PCBs in Indoor Air - FLHS

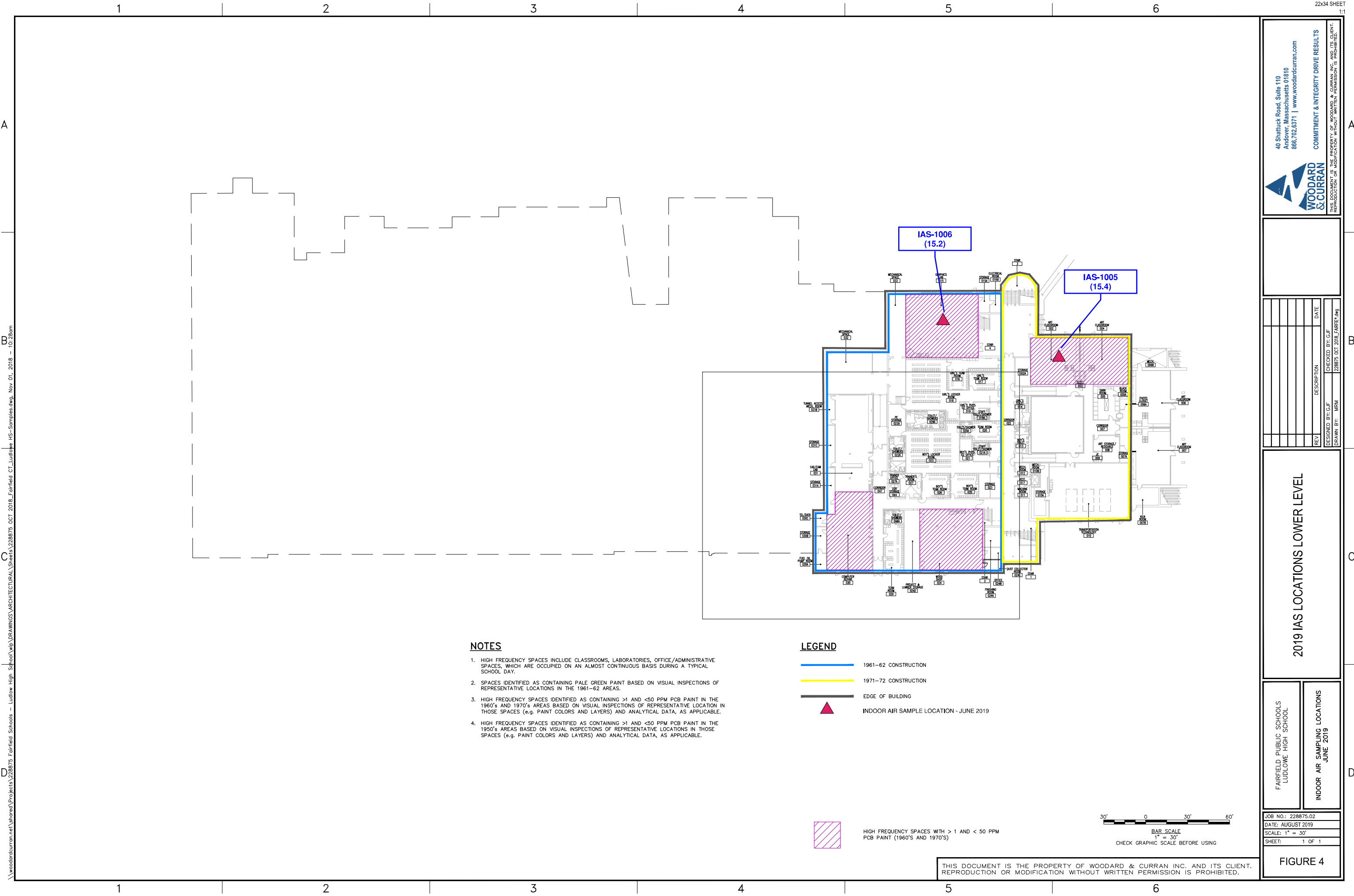


ATTACHMENT B: FLOOR PLANS AND SAMPLE LOCATIONS









ATTACHMENT C: ANALYTICAL LABORATORY REPORTS



July 10, 2019

George Franklin
Woodard & Curran - CT
213 Court Street., 4th Floor
Middletown, CT 06457

Project Location: Fairfield, CT
Client Job Number:
Project Number: 228875
Laboratory Work Order Number: 19F1247

Enclosed are results of analyses for samples received by the laboratory on June 22, 2019. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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

Meghan E. Kelley
Project Manager

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

Woodard & Curran - CT
213 Court Street., 4th Floor
Middletown, CT 06457
ATTN: George Franklin

REPORT DATE: 7/10/2019

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 228875

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 19F1247

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

PROJECT LOCATION: Fairfield, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
FLHS-IA-1000	19F1247-01	Indoor air		TO-10A/EPA 680 Modified	
FLHS-IA-1001	19F1247-02	Indoor air		TO-10A/EPA 680 Modified	
FLHS-IA-1002	19F1247-03	Indoor air		TO-10A/EPA 680 Modified	
FLHS-IA-1003	19F1247-04	Indoor air		TO-10A/EPA 680 Modified	
FLHS-IA-1004	19F1247-05	Indoor air		TO-10A/EPA 680 Modified	
FLHS-IA-1005	19F1247-06	Indoor air		TO-10A/EPA 680 Modified	
FLHS-IA-1006	19F1247-07	Indoor air		TO-10A/EPA 680 Modified	
FLHS-IA-1007	19F1247-08	Indoor air		TO-10A/EPA 680 Modified	
FLHS-IA-1008	19F1247-09	Indoor air		TO-10A/EPA 680 Modified	
FLHS-IA-1009	19F1247-10	Indoor air		TO-10A/EPA 680 Modified	
FLHS-IA-1010	19F1247-11	Indoor air		TO-10A/EPA 680 Modified	
FLHS-IA-1011	19F1247-12	Indoor air		TO-10A/EPA 680 Modified	
FLHS-IA-1012	19F1247-13	Indoor air		TO-10A/EPA 680 Modified	
FLHS-IA-1013	19F1247-14	Indoor air		TO-10A/EPA 680 Modified	
FLHS-IA-1014	19F1247-15	Indoor air		TO-10A/EPA 680 Modified	
FLHS-IA-1015	19F1247-16	Indoor air		TO-10A/EPA 680 Modified	
FLHS-IA-1016	19F1247-17	Indoor air		TO-10A/EPA 680 Modified	
FLHS-IA-1017	19F1247-18	Indoor air		TO-10A/EPA 680 Modified	
FLHS-IA-1018	19F1247-19	Indoor air		TO-10A/EPA 680 Modified	
FLHS-IA-1019	19F1247-20	Indoor air		TO-10A/EPA 680 Modified	
FLHS-IA-1020	19F1247-21	Indoor air		TO-10A/EPA 680 Modified	
unused puf 061819-22	19F1247-22	Indoor air		-	

CASE NARRATIVE SUMMARY

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

REVISED REPORT 07/10/19- Sample IDS for 19F1247 -16, -17, -18, -19, -20 and -21 revised per clients request.

TO-10A/EPA 680 Modified**Qualifications:****V-06**

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:**Monochlorobiphenyls**

S037736-CCV2, S037799-CCV2

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:**Monochlorobiphenyls**

19F1247-08[FLHS-IA-1007], 19F1247-09[FLHS-IA-1008], 19F1247-10[FLHS-IA-1009], 19F1247-11[FLHS-IA-1010], 19F1247-12[FLHS-IA-1011], 19F1247-13[FLHS-IA-1012], 19F1247-14[FLHS-IA-1013], 19F1247-15[FLHS-IA-1014], 19F1247-16[FLHS-IA-1015], 19F1247-17[FLHS-IA-1016], 19F1247-18[FLHS-IA-1017], 19F1247-19[FLHS-IA-1018], 19F1247-20[FLHS-IA-1019], 19F1247-21[FLHS-IA-1020]

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.



Kaitlyn A. Feliciano
Project Manager

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

ANALYTICAL RESULTS

Project Location: Fairfield, CT
Date Received: 6/22/2019
Field Sample #: FLHS-1A-1000
Sample ID: 19F1247-01
Sample Matrix: Indoor air
Sampled: 6/20/2019 14:36

Sample Description/Location:
Sub Description/Location:

Flow Controller ID:
Sample Type:
Air Volume L: 1346.88

Work Order: 19F1247

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Monochlorobiphenyls	ND	0.0010		ND	0.00074	1	6/28/19	15:33	IMR
Dichlorobiphenyls	ND	0.0010		ND	0.00074	1	6/28/19	15:33	IMR
Trichlorobiphenyls	ND	0.0020		ND	0.0015	1	6/28/19	15:33	IMR
Tetrachlorobiphenyls	0.0075	0.0020		0.0056	0.0015	1	6/28/19	15:33	IMR
Pentachlorobiphenyls	0.0063	0.0020		0.0047	0.0015	1	6/28/19	15:33	IMR
Hexachlorobiphenyls	ND	0.0020		ND	0.0015	1	6/28/19	15:33	IMR
Heptachlorobiphenyls	ND	0.0030		ND	0.0022	1	6/28/19	15:33	IMR
Octachlorobiphenyls	ND	0.0030		ND	0.0022	1	6/28/19	15:33	IMR
Nonachlorobiphenyls	ND	0.0050		ND	0.0037	1	6/28/19	15:33	IMR
Decachlorobiphenyl	ND	0.0050		ND	0.0037	1	6/28/19	15:33	IMR
Total Polychlorinated biphenyls	0.014			0.010		1	6/28/19	15:33	IMR
Surrogates	% Recovery			% REC Limits					
Tetrachloro-m-xylene	73.8			50-125			6/28/19	15:33	

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ANALYTICAL RESULTS

Project Location: Fairfield, CT
Date Received: 6/22/2019
Field Sample #: FLHS-IA-1001
Sample ID: 19F1247-02
Sample Matrix: Indoor air
Sampled: 6/20/2019 14:46

Sample Description/Location:
Sub Description/Location:

Work Order: 19F1247

Flow Controller ID:

Sample Type:

Air Volume L: 1308.96

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Monochlorobiphenyls	ND	0.0010		ND	0.00076	1	6/28/19	16:11	IMR
Dichlorobiphenyls	ND	0.0010		ND	0.00076	1	6/28/19	16:11	IMR
Trichlorobiphenyls	ND	0.0020		ND	0.0015	1	6/28/19	16:11	IMR
Tetrachlorobiphenyls	0.0076	0.0020		0.0058	0.0015	1	6/28/19	16:11	IMR
Pentachlorobiphenyls	0.0068	0.0020		0.0052	0.0015	1	6/28/19	16:11	IMR
Hexachlorobiphenyls	0.0023	0.0020		0.0017	0.0015	1	6/28/19	16:11	IMR
Heptachlorobiphenyls	ND	0.0030		ND	0.0023	1	6/28/19	16:11	IMR
Octachlorobiphenyls	ND	0.0030		ND	0.0023	1	6/28/19	16:11	IMR
Nonachlorobiphenyls	ND	0.0050		ND	0.0038	1	6/28/19	16:11	IMR
Decachlorobiphenyl	ND	0.0050		ND	0.0038	1	6/28/19	16:11	IMR
Total Polychlorinated biphenyls	0.017			0.013		1	6/28/19	16:11	IMR
Surrogates	% Recovery			% REC Limits					
Tetrachloro-m-xylene	81.7			50-125			6/28/19 16:11		

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ANALYTICAL RESULTS

Project Location: Fairfield, CT
Date Received: 6/22/2019
Field Sample #: FLHS-IA-1002
Sample ID: 19F1247-03
Sample Matrix: Indoor air
Sampled: 6/20/2019 14:59

Sample Description/Location:
Sub Description/Location:

Work Order: 19F1247

Flow Controller ID:
Sample Type:
Air Volume L: 1314.768

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Monochlorobiphenyls	ND	0.0010		ND	0.00076	1	6/28/19 16:48	IMR	
Dichlorobiphenyls	0.0014	0.0010		0.0011	0.00076	1	6/28/19 16:48	IMR	
Trichlorobiphenyls	ND	0.0020		ND	0.0015	1	6/28/19 16:48	IMR	
Tetrachlorobiphenyls	0.0086	0.0020		0.0065	0.0015	1	6/28/19 16:48	IMR	
Pentachlorobiphenyls	0.0086	0.0020		0.0065	0.0015	1	6/28/19 16:48	IMR	
Hexachlorobiphenyls	ND	0.0020		ND	0.0015	1	6/28/19 16:48	IMR	
Heptachlorobiphenyls	ND	0.0030		ND	0.0023	1	6/28/19 16:48	IMR	
Octachlorobiphenyls	ND	0.0030		ND	0.0023	1	6/28/19 16:48	IMR	
Nonachlorobiphenyls	ND	0.0050		ND	0.0038	1	6/28/19 16:48	IMR	
Decachlorobiphenyl	ND	0.0050		ND	0.0038	1	6/28/19 16:48	IMR	
Total Polychlorinated biphenyls	0.019			0.014		1	6/28/19 16:48	IMR	
Surrogates	% Recovery			% REC Limits					
Tetrachloro-m-xylene	77.9			50-125			6/28/19 16:48		

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

ANALYTICAL RESULTS

Project Location: Fairfield, CT
Date Received: 6/22/2019
Field Sample #: FLHS-IA-1003
Sample ID: 19F1247-04
Sample Matrix: Indoor air
Sampled: 6/20/2019 15:10

Sample Description/Location:
Sub Description/Location:

Work Order: 19F1247

Flow Controller ID:
Sample Type:
Air Volume L: 1264.32

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Monochlorobiphenyls	ND	0.0010		ND	0.00079	1	6/28/19	17:26	IMR
Dichlorobiphenyls	ND	0.0010		ND	0.00079	1	6/28/19	17:26	IMR
Trichlorobiphenyls	ND	0.0020		ND	0.0016	1	6/28/19	17:26	IMR
Tetrachlorobiphenyls	0.021	0.0020		0.017	0.0016	1	6/28/19	17:26	IMR
Pentachlorobiphenyls	0.029	0.0020		0.023	0.0016	1	6/28/19	17:26	IMR
Hexachlorobiphenyls	0.0061	0.0020		0.0048	0.0016	1	6/28/19	17:26	IMR
Heptachlorobiphenyls	ND	0.0030		ND	0.0024	1	6/28/19	17:26	IMR
Octachlorobiphenyls	ND	0.0030		ND	0.0024	1	6/28/19	17:26	IMR
Nonachlorobiphenyls	ND	0.0050		ND	0.004	1	6/28/19	17:26	IMR
Decachlorobiphenyl	ND	0.0050		ND	0.004	1	6/28/19	17:26	IMR
Total Polychlorinated biphenyls	0.058			0.046		1	6/28/19	17:26	IMR
Surrogates	% Recovery			% REC Limits					
Tetrachloro-m-xylene	70.0			50-125			6/28/19 17:26		

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

ANALYTICAL RESULTS

Project Location: Fairfield, CT
Date Received: 6/22/2019
Field Sample #: FLHS-IA-1004
Sample ID: 19F1247-05
Sample Matrix: Indoor air
Sampled: 6/20/2019 15:20

Sample Description/Location:
Sub Description/Location:

Work Order: 19F1247

Flow Controller ID:
Sample Type:
Air Volume L: 1269.998

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Monochlorobiphenyls	ND	0.0010		ND	0.00079	1	6/28/19 18:03		IMR
Dichlorobiphenyls	0.0014	0.0010		0.0011	0.00079	1	6/28/19 18:03		IMR
Trichlorobiphenyls	ND	0.0020		ND	0.0016	1	6/28/19 18:03		IMR
Tetrachlorobiphenyls	0.0050	0.0020		0.0039	0.0016	1	6/28/19 18:03		IMR
Pentachlorobiphenyls	0.0028	0.0020		0.0022	0.0016	1	6/28/19 18:03		IMR
Hexachlorobiphenyls	ND	0.0020		ND	0.0016	1	6/28/19 18:03		IMR
Heptachlorobiphenyls	ND	0.0030		ND	0.0024	1	6/28/19 18:03		IMR
Octachlorobiphenyls	ND	0.0030		ND	0.0024	1	6/28/19 18:03		IMR
Nonachlorobiphenyls	ND	0.0050		ND	0.0039	1	6/28/19 18:03		IMR
Decachlorobiphenyl	ND	0.0050		ND	0.0039	1	6/28/19 18:03		IMR
Total Polychlorinated biphenyls	0.0092			0.0072		1	6/28/19 18:03		IMR
Surrogates	% Recovery			% REC Limits					
Tetrachloro-m-xylene	52.6			50-125			6/28/19 18:03		

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

ANALYTICAL RESULTS

Project Location: Fairfield, CT
Date Received: 6/22/2019
Field Sample #: FLHS-IA-1005
Sample ID: 19F1247-06
Sample Matrix: Indoor air
Sampled: 6/20/2019 15:25

Sample Description/Location:
Sub Description/Location:

Work Order: 19F1247

Flow Controller ID:
Sample Type:
Air Volume L: 1289.16

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Monochlorobiphenyls	ND	0.0010		ND	0.00078	1	6/28/19	18:41	IMR
Dichlorobiphenyls	ND	0.0010		ND	0.00078	1	6/28/19	18:41	IMR
Trichlorobiphenyls	ND	0.0020		ND	0.0016	1	6/28/19	18:41	IMR
Tetrachlorobiphenyls	0.0042	0.0020		0.0032	0.0016	1	6/28/19	18:41	IMR
Pentachlorobiphenyls	0.012	0.0020		0.0096	0.0016	1	6/28/19	18:41	IMR
Hexachlorobiphenyls	0.0032	0.0020		0.0025	0.0016	1	6/28/19	18:41	IMR
Heptachlorobiphenyls	ND	0.0030		ND	0.0023	1	6/28/19	18:41	IMR
Octachlorobiphenyls	ND	0.0030		ND	0.0023	1	6/28/19	18:41	IMR
Nonachlorobiphenyls	ND	0.0050		ND	0.0039	1	6/28/19	18:41	IMR
Decachlorobiphenyl	ND	0.0050		ND	0.0039	1	6/28/19	18:41	IMR
Total Polychlorinated biphenyls	0.020			0.015		1	6/28/19	18:41	IMR
Surrogates	% Recovery			% REC Limits					
Tetrachloro-m-xylene	65.3			50-125			6/28/19 18:41		

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

ANALYTICAL RESULTS

Project Location: Fairfield, CT
Date Received: 6/22/2019
Field Sample #: FLHS-IA-1006
Sample ID: 19F1247-07
Sample Matrix: Indoor air
Sampled: 6/20/2019 15:42

Sample Description/Location:
Sub Description/Location:

Work Order: 19F1247

Flow Controller ID:

Sample Type:

Air Volume L: 1241.28

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Monochlorobiphenyls	ND	0.0010		ND	0.00081	1	6/28/19 19:18	IMR	
Dichlorobiphenyls	ND	0.0010		ND	0.00081	1	6/28/19 19:18	IMR	
Trichlorobiphenyls	ND	0.0020		ND	0.0016	1	6/28/19 19:18	IMR	
Tetrachlorobiphenyls	0.0097	0.0020		0.0078	0.0016	1	6/28/19 19:18	IMR	
Pentachlorobiphenyls	0.0091	0.0020		0.0073	0.0016	1	6/28/19 19:18	IMR	
Hexachlorobiphenyls	ND	0.0020		ND	0.0016	1	6/28/19 19:18	IMR	
Heptachlorobiphenyls	ND	0.0030		ND	0.0024	1	6/28/19 19:18	IMR	
Octachlorobiphenyls	ND	0.0030		ND	0.0024	1	6/28/19 19:18	IMR	
Nonachlorobiphenyls	ND	0.0050		ND	0.004	1	6/28/19 19:18	IMR	
Decachlorobiphenyl	ND	0.0050		ND	0.004	1	6/28/19 19:18	IMR	
Total Polychlorinated biphenyls	0.019			0.015		1	6/28/19 19:18	IMR	
Surrogates	% Recovery			% REC Limits					
Tetrachloro-m-xylene	76.3			50-125			6/28/19 19:18		

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

ANALYTICAL RESULTS

Project Location: Fairfield, CT
Date Received: 6/22/2019
Field Sample #: FLHS-IA-1007
Sample ID: 19F1247-08
Sample Matrix: Indoor air
Sampled: 6/20/2019 15:56

Sample Description/Location:
Sub Description/Location:

Work Order: 19F1247

Flow Controller ID:

Sample Type:

Air Volume L: 1322.64

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00076	1	7/2/19 10:42	CLA	
Dichlorobiphenyls	ND	0.0010		ND	0.00076	1	7/2/19 10:42	CLA	
Trichlorobiphenyls	ND	0.0020		ND	0.0015	1	7/2/19 10:42	CLA	
Tetrachlorobiphenyls	0.020	0.0020		0.015	0.0015	1	7/2/19 10:42	CLA	
Pentachlorobiphenyls	0.044	0.0020		0.033	0.0015	1	7/2/19 10:42	CLA	
Hexachlorobiphenyls	0.0072	0.0020		0.0055	0.0015	1	7/2/19 10:42	CLA	
Heptachlorobiphenyls	ND	0.0030		ND	0.0023	1	7/2/19 10:42	CLA	
Octachlorobiphenyls	ND	0.0030		ND	0.0023	1	7/2/19 10:42	CLA	
Nonachlorobiphenyls	ND	0.0050		ND	0.0038	1	7/2/19 10:42	CLA	
Decachlorobiphenyl	ND	0.0050		ND	0.0038	1	7/2/19 10:42	CLA	
Total Polychlorinated biphenyls	0.072			0.055		1	7/2/19 10:42	CLA	
Surrogates	% Recovery			% REC Limits					
Tetrachloro-m-xylene	82.8			50-125			7/2/19 10:42		

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

ANALYTICAL RESULTS

Project Location: Fairfield, CT
Date Received: 6/22/2019
Field Sample #: FLHS-IA-1008
Sample ID: 19F1247-09
Sample Matrix: Indoor air
Sampled: 6/20/2019 14:09

Sample Description/Location:
Sub Description/Location:

Work Order: 19F1247

Flow Controller ID:

Sample Type:

Air Volume L: 888.648

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.0011	1	7/2/19 11:20	CLA	
Dichlorobiphenyls	ND	0.0010		ND	0.0011	1	7/2/19 11:20	CLA	
Trichlorobiphenyls	0.0028	0.0020		0.0031	0.0023	1	7/2/19 11:20	CLA	
Tetrachlorobiphenyls	0.0025	0.0020		0.0028	0.0023	1	7/2/19 11:20	CLA	
Pentachlorobiphenyls	ND	0.0020		ND	0.0023	1	7/2/19 11:20	CLA	
Hexachlorobiphenyls	ND	0.0020		ND	0.0023	1	7/2/19 11:20	CLA	
Heptachlorobiphenyls	ND	0.0030		ND	0.0034	1	7/2/19 11:20	CLA	
Octachlorobiphenyls	ND	0.0030		ND	0.0034	1	7/2/19 11:20	CLA	
Nonachlorobiphenyls	ND	0.0050		ND	0.0056	1	7/2/19 11:20	CLA	
Decachlorobiphenyl	ND	0.0050		ND	0.0056	1	7/2/19 11:20	CLA	
Total Polychlorinated biphenyls	0.0052			0.0059		1	7/2/19 11:20	CLA	
Surrogates	% Recovery			% REC Limits					
Tetrachloro-m-xylene	86.3			50-125			7/2/19 11:20		

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

ANALYTICAL RESULTS

Project Location: Fairfield, CT
Date Received: 6/22/2019
Field Sample #: FLHS-IA-1009
Sample ID: 19F1247-10
Sample Matrix: Indoor air
Sampled: 6/20/2019 14:17

Sample Description/Location:
Sub Description/Location:

Work Order: 19F1247

Flow Controller ID:

Sample Type:

Air Volume L: 868.054

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.0012	1	7/2/19 11:57	CLA	
Dichlorobiphenyls	ND	0.0010		ND	0.0012	1	7/2/19 11:57	CLA	
Trichlorobiphenyls	ND	0.0020		ND	0.0023	1	7/2/19 11:57	CLA	
Tetrachlorobiphenyls	0.013	0.0020		0.015	0.0023	1	7/2/19 11:57	CLA	
Pentachlorobiphenyls	0.022	0.0020		0.025	0.0023	1	7/2/19 11:57	CLA	
Hexachlorobiphenyls	0.0051	0.0020		0.0058	0.0023	1	7/2/19 11:57	CLA	
Heptachlorobiphenyls	ND	0.0030		ND	0.0035	1	7/2/19 11:57	CLA	
Octachlorobiphenyls	ND	0.0030		ND	0.0035	1	7/2/19 11:57	CLA	
Nonachlorobiphenyls	ND	0.0050		ND	0.0058	1	7/2/19 11:57	CLA	
Decachlorobiphenyl	ND	0.0050		ND	0.0058	1	7/2/19 11:57	CLA	
Total Polychlorinated biphenyls	0.039			0.045		1	7/2/19 11:57	CLA	
Surrogates	% Recovery			% REC Limits					
Tetrachloro-m-xylene	71.3			50-125			7/2/19 11:57		

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

ANALYTICAL RESULTS

Project Location: Fairfield, CT
Date Received: 6/22/2019
Field Sample #: FLHS-IA-1010
Sample ID: 19F1247-11
Sample Matrix: Indoor air
Sampled: 6/20/2019 16:26

Sample Description/Location:
Sub Description/Location:

Work Order: 19F1247

Flow Controller ID:
Sample Type:
Air Volume L: 1311.888

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00076	1	7/2/19	12:35	CLA
Dichlorobiphenyls	0.0012	0.0010		0.00093	0.00076	1	7/2/19	12:35	CLA
Trichlorobiphenyls	ND	0.0020		ND	0.0015	1	7/2/19	12:35	CLA
Tetrachlorobiphenyls	0.0051	0.0020		0.0039	0.0015	1	7/2/19	12:35	CLA
Pentachlorobiphenyls	0.0049	0.0020		0.0037	0.0015	1	7/2/19	12:35	CLA
Hexachlorobiphenyls	ND	0.0020		ND	0.0015	1	7/2/19	12:35	CLA
Heptachlorobiphenyls	ND	0.0030		ND	0.0023	1	7/2/19	12:35	CLA
Octachlorobiphenyls	ND	0.0030		ND	0.0023	1	7/2/19	12:35	CLA
Nonachlorobiphenyls	ND	0.0050		ND	0.0038	1	7/2/19	12:35	CLA
Decachlorobiphenyl	ND	0.0050		ND	0.0038	1	7/2/19	12:35	CLA
Total Polychlorinated biphenyls	0.011			0.0086		1	7/2/19	12:35	CLA
Surrogates	% Recovery			% REC Limits					
Tetrachloro-m-xylene	85.3			50-125			7/2/19	12:35	

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

ANALYTICAL RESULTS

Project Location: Fairfield, CT
Date Received: 6/22/2019
Field Sample #: FLHS-IA-1011
Sample ID: 19F1247-12
Sample Matrix: Indoor air
Sampled: 6/20/2019 16:28

Sample Description/Location:
Sub Description/Location:

Work Order: 19F1247

Flow Controller ID:
Sample Type:
Air Volume L: 1314.762

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00076	1	7/2/19 13:49	CLA	
Dichlorobiphenyls	0.0016	0.0010		0.0012	0.00076	1	7/2/19 13:49	CLA	
Trichlorobiphenyls	ND	0.0020		ND	0.0015	1	7/2/19 13:49	CLA	
Tetrachlorobiphenyls	0.0034	0.0020		0.0026	0.0015	1	7/2/19 13:49	CLA	
Pentachlorobiphenyls	0.0042	0.0020		0.0032	0.0015	1	7/2/19 13:49	CLA	
Hexachlorobiphenyls	ND	0.0020		ND	0.0015	1	7/2/19 13:49	CLA	
Heptachlorobiphenyls	ND	0.0030		ND	0.0023	1	7/2/19 13:49	CLA	
Octachlorobiphenyls	ND	0.0030		ND	0.0023	1	7/2/19 13:49	CLA	
Nonachlorobiphenyls	ND	0.0050		ND	0.0038	1	7/2/19 13:49	CLA	
Decachlorobiphenyl	ND	0.0050		ND	0.0038	1	7/2/19 13:49	CLA	
Total Polychlorinated biphenyls	0.0092			0.007		1	7/2/19 13:49	CLA	
Surrogates	% Recovery			% REC Limits					
Tetrachloro-m-xylene	90.8			50-125			7/2/19 13:49		

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

ANALYTICAL RESULTS

Project Location: Fairfield, CT
Date Received: 6/22/2019
Field Sample #: FLHS-IA-1012
Sample ID: 19F1247-13
Sample Matrix: Indoor air
Sampled: 6/20/2019 16:42

Sample Description/Location:
Sub Description/Location:

Work Order: 19F1247

Flow Controller ID:
Sample Type:
Air Volume L: 1311.888

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00076	1	7/2/19 14:27	CLA	
Dichlorobiphenyls	ND	0.0010		ND	0.00076	1	7/2/19 14:27	CLA	
Trichlorobiphenyls	0.0030	0.0020		0.0023	0.0015	1	7/2/19 14:27	CLA	
Tetrachlorobiphenyls	0.022	0.0020		0.017	0.0015	1	7/2/19 14:27	CLA	
Pentachlorobiphenyls	0.025	0.0020		0.019	0.0015	1	7/2/19 14:27	CLA	
Hexachlorobiphenyls	0.0079	0.0020		0.0061	0.0015	1	7/2/19 14:27	CLA	
Heptachlorobiphenyls	ND	0.0030		ND	0.0023	1	7/2/19 14:27	CLA	
Octachlorobiphenyls	ND	0.0030		ND	0.0023	1	7/2/19 14:27	CLA	
Nonachlorobiphenyls	ND	0.0050		ND	0.0038	1	7/2/19 14:27	CLA	
Decachlorobiphenyl	ND	0.0050		ND	0.0038	1	7/2/19 14:27	CLA	
Total Polychlorinated biphenyls	0.012			0.009		1	7/2/19 14:27	CLA	
Surrogates	% Recovery			% REC Limits					
Tetrachloro-m-xylene	105			50-125			7/2/19 14:27		

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ANALYTICAL RESULTS

Project Location: Fairfield, CT
Date Received: 6/22/2019
Field Sample #: FLHS-IA-1013
Sample ID: 19F1247-14
Sample Matrix: Indoor air
Sampled: 6/20/2019 16:45

Sample Description/Location:
Sub Description/Location:

Work Order: 19F1247

Flow Controller ID:

Sample Type:

Air Volume L: 1302.48

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00077	1	7/2/19 15:04	CLA	
Dichlorobiphenyls	ND	0.0010		ND	0.00077	1	7/2/19 15:04	CLA	
Trichlorobiphenyls	ND	0.0020		ND	0.0015	1	7/2/19 15:04	CLA	
Tetrachlorobiphenyls	ND	0.0020		ND	0.0015	1	7/2/19 15:04	CLA	
Pentachlorobiphenyls	ND	0.0020		ND	0.0015	1	7/2/19 15:04	CLA	
Hexachlorobiphenyls	ND	0.0020		ND	0.0015	1	7/2/19 15:04	CLA	
Heptachlorobiphenyls	ND	0.0030		ND	0.0023	1	7/2/19 15:04	CLA	
Octachlorobiphenyls	ND	0.0030		ND	0.0023	1	7/2/19 15:04	CLA	
Nonachlorobiphenyls	ND	0.0050		ND	0.0038	1	7/2/19 15:04	CLA	
Decachlorobiphenyl	ND	0.0050		ND	0.0038	1	7/2/19 15:04	CLA	
Total Polychlorinated biphenyls	0.0			0		1	7/2/19 15:04	CLA	
Surrogates	% Recovery			% REC Limits					
Tetrachloro-m-xylene	91.6			50-125			7/2/19 15:04		

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ANALYTICAL RESULTS

Project Location: Fairfield, CT
Date Received: 6/22/2019
Field Sample #: FLHS-IA-1014
Sample ID: 19F1247-15
Sample Matrix: Indoor air
Sampled: 6/20/2019 16:53

Sample Description/Location:
Sub Description/Location:

Work Order: 19F1247

Flow Controller ID:

Sample Type:

Air Volume L: 1308.96

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00076	1	7/2/19 15:42	CLA	
Dichlorobiphenyls	ND	0.0010		ND	0.00076	1	7/2/19 15:42	CLA	
Trichlorobiphenyls	ND	0.0020		ND	0.0015	1	7/2/19 15:42	CLA	
Tetrachlorobiphenyls	0.016	0.0020		0.012	0.0015	1	7/2/19 15:42	CLA	
Pentachlorobiphenyls	0.027	0.0020		0.020	0.0015	1	7/2/19 15:42	CLA	
Hexachlorobiphenyls	0.0064	0.0020		0.0049	0.0015	1	7/2/19 15:42	CLA	
Heptachlorobiphenyls	ND	0.0030		ND	0.0023	1	7/2/19 15:42	CLA	
Octachlorobiphenyls	ND	0.0030		ND	0.0023	1	7/2/19 15:42	CLA	
Nonachlorobiphenyls	ND	0.0050		ND	0.0038	1	7/2/19 15:42	CLA	
Decachlorobiphenyl	ND	0.0050		ND	0.0038	1	7/2/19 15:42	CLA	
Total Polychlorinated biphenyls	0.051			0.039		1	7/2/19 15:42	CLA	
Surrogates	% Recovery			% REC Limits					
Tetrachloro-m-xylene	88.3			50-125			7/2/19 15:42		

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

ANALYTICAL RESULTS

Project Location: Fairfield, CT
Date Received: 6/22/2019
Field Sample #: FLHS-IA-1015
Sample ID: 19F1247-16
Sample Matrix: Indoor air
Sampled: 6/20/2019 17:00

Sample Description/Location:
Sub Description/Location:

Work Order: 19F1247

Flow Controller ID:

Sample Type:

Air Volume L: 1314

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00076	1	7/2/19	16:19	CLA
Dichlorobiphenyls	0.0029	0.0010		0.0022	0.00076	1	7/2/19	16:19	CLA
Trichlorobiphenyls	ND	0.0020		ND	0.0015	1	7/2/19	16:19	CLA
Tetrachlorobiphenyls	0.0066	0.0020		0.005	0.0015	1	7/2/19	16:19	CLA
Pentachlorobiphenyls	0.0063	0.0020		0.0048	0.0015	1	7/2/19	16:19	CLA
Hexachlorobiphenyls	ND	0.0020		ND	0.0015	1	7/2/19	16:19	CLA
Heptachlorobiphenyls	ND	0.0030		ND	0.0023	1	7/2/19	16:19	CLA
Octachlorobiphenyls	ND	0.0030		ND	0.0023	1	7/2/19	16:19	CLA
Nonachlorobiphenyls	ND	0.0050		ND	0.0038	1	7/2/19	16:19	CLA
Decachlorobiphenyl	ND	0.0050		ND	0.0038	1	7/2/19	16:19	CLA
Total Polychlorinated biphenyls	0.016			0.012		1	7/2/19	16:19	CLA
Surrogates	% Recovery			% REC Limits					
Tetrachloro-m-xylene	102			50-125			7/2/19 16:19		

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

ANALYTICAL RESULTS

Project Location: Fairfield, CT
Date Received: 6/22/2019
Field Sample #: FLHS-IA-1016
Sample ID: 19F1247-17
Sample Matrix: Indoor air
Sampled: 6/20/2019 17:00

Sample Description/Location:
Sub Description/Location:

Work Order: 19F1247

Flow Controller ID:

Sample Type:

Air Volume L: 1315.8

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00076	1	7/2/19	16:57	CLA
Dichlorobiphenyls	0.0031	0.0010		0.0024	0.00076	1	7/2/19	16:57	CLA
Trichlorobiphenyls	ND	0.0020		ND	0.0015	1	7/2/19	16:57	CLA
Tetrachlorobiphenyls	0.0070	0.0020		0.0054	0.0015	1	7/2/19	16:57	CLA
Pentachlorobiphenyls	0.0073	0.0020		0.0056	0.0015	1	7/2/19	16:57	CLA
Hexachlorobiphenyls	ND	0.0020		ND	0.0015	1	7/2/19	16:57	CLA
Heptachlorobiphenyls	ND	0.0030		ND	0.0023	1	7/2/19	16:57	CLA
Octachlorobiphenyls	ND	0.0030		ND	0.0023	1	7/2/19	16:57	CLA
Nonachlorobiphenyls	ND	0.0050		ND	0.0038	1	7/2/19	16:57	CLA
Decachlorobiphenyl	ND	0.0050		ND	0.0038	1	7/2/19	16:57	CLA
Total Polychlorinated biphenyls	0.017			0.013		1	7/2/19	16:57	CLA
Surrogates	% Recovery			% REC Limits					
Tetrachloro-m-xylene	112			50-125			7/2/19 16:57		

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ANALYTICAL RESULTS

Project Location: Fairfield, CT
Date Received: 6/22/2019
Field Sample #: FLHS-IA-1017
Sample ID: 19F1247-18
Sample Matrix: Indoor air
Sampled: 6/20/2019 17:09

Sample Description/Location:
Sub Description/Location:

Work Order: 19F1247

Flow Controller ID:
Sample Type:
Air Volume L: 1306.098

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00077	1	7/2/19	17:34	CLA
Dichlorobiphenyls	0.0069	0.0010		0.0053	0.00077	1	7/2/19	17:34	CLA
Trichlorobiphenyls	0.0031	0.0020		0.0024	0.0015	1	7/2/19	17:34	CLA
Tetrachlorobiphenyls	0.050	0.0020		0.038	0.0015	1	7/2/19	17:34	CLA
Pentachlorobiphenyls	0.078	0.0020		0.060	0.0015	1	7/2/19	17:34	CLA
Hexachlorobiphenyls	0.013	0.0020		0.0097	0.0015	1	7/2/19	17:34	CLA
Heptachlorobiphenyls	ND	0.0030		ND	0.0023	1	7/2/19	17:34	CLA
Octachlorobiphenyls	ND	0.0030		ND	0.0023	1	7/2/19	17:34	CLA
Nonachlorobiphenyls	ND	0.0050		ND	0.0038	1	7/2/19	17:34	CLA
Decachlorobiphenyl	ND	0.0050		ND	0.0038	1	7/2/19	17:34	CLA
Total Polychlorinated biphenyls	0.15			0.12		1	7/2/19	17:34	CLA
Surrogates	% Recovery			% REC Limits					
Tetrachloro-m-xylene	94.7			50-125			7/2/19 17:34		

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ANALYTICAL RESULTS

Project Location: Fairfield, CT
Date Received: 6/22/2019
Field Sample #: FLHS-IA-1018
Sample ID: 19F1247-19
Sample Matrix: Indoor air
Sampled: 6/20/2019 17:22

Sample Description/Location:
Sub Description/Location:

Work Order: 19F1247

Flow Controller ID:
Sample Type:
Air Volume L: 1322.224

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00076	1	7/2/19	18:12	CLA
Dichlorobiphenyls	0.0060	0.0010		0.0045	0.00076	1	7/2/19	18:12	CLA
Trichlorobiphenyls	0.0029	0.0020		0.0022	0.0015	1	7/2/19	18:12	CLA
Tetrachlorobiphenyls	0.045	0.0020		0.034	0.0015	1	7/2/19	18:12	CLA
Pentachlorobiphenyls	0.072	0.0020		0.055	0.0015	1	7/2/19	18:12	CLA
Hexachlorobiphenyls	0.013	0.0020		0.0097	0.0015	1	7/2/19	18:12	CLA
Heptachlorobiphenyls	ND	0.0030		ND	0.0023	1	7/2/19	18:12	CLA
Octachlorobiphenyls	ND	0.0030		ND	0.0023	1	7/2/19	18:12	CLA
Nonachlorobiphenyls	ND	0.0050		ND	0.0038	1	7/2/19	18:12	CLA
Decachlorobiphenyl	ND	0.0050		ND	0.0038	1	7/2/19	18:12	CLA
Total Polychlorinated biphenyls	0.14			0.10		1	7/2/19	18:12	CLA
Surrogates	% Recovery			% REC Limits					
Tetrachloro-m-xylene	101			50-125			7/2/19 18:12		

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ANALYTICAL RESULTS

Project Location: Fairfield, CT
Date Received: 6/22/2019
Field Sample #: FLHS-IA-1019
Sample ID: 19F1247-20
Sample Matrix: Indoor air
Sampled: 6/20/2019 17:26

Sample Description/Location:
Sub Description/Location:

Work Order: 19F1247

Flow Controller ID:
Sample Type:
Air Volume L: 1308.96

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00076	1	7/2/19 18:49	CLA	
Dichlorobiphenyls	ND	0.0010		ND	0.00076	1	7/2/19 18:49	CLA	
Trichlorobiphenyls	ND	0.0020		ND	0.0015	1	7/2/19 18:49	CLA	
Tetrachlorobiphenyls	ND	0.0020		ND	0.0015	1	7/2/19 18:49	CLA	
Pentachlorobiphenyls	ND	0.0020		ND	0.0015	1	7/2/19 18:49	CLA	
Hexachlorobiphenyls	ND	0.0020		ND	0.0015	1	7/2/19 18:49	CLA	
Heptachlorobiphenyls	ND	0.0030		ND	0.0023	1	7/2/19 18:49	CLA	
Octachlorobiphenyls	ND	0.0030		ND	0.0023	1	7/2/19 18:49	CLA	
Nonachlorobiphenyls	ND	0.0050		ND	0.0038	1	7/2/19 18:49	CLA	
Decachlorobiphenyl	ND	0.0050		ND	0.0038	1	7/2/19 18:49	CLA	
Total Polychlorinated biphenyls	0.0			0		1	7/2/19 18:49	CLA	
Surrogates	% Recovery			% REC Limits					
Tetrachloro-m-xylene	114			50-125			7/2/19 18:49		

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ANALYTICAL RESULTS

Project Location: Fairfield, CT
Date Received: 6/22/2019
Field Sample #: FLHS-IA-1020
Sample ID: 19F1247-21
Sample Matrix: Indoor air
Sampled: 6/20/2019 17:33

Sample Description/Location:
Sub Description/Location:

Work Order: 19F1247

Flow Controller ID:
Sample Type:
Air Volume L: 1314.401

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00076	1	7/3/19	2:18	CLA
Dichlorobiphenyls	0.0030	0.0010		0.0023	0.00076	1	7/3/19	2:18	CLA
Trichlorobiphenyls	0.0043	0.0020		0.0033	0.0015	1	7/3/19	2:18	CLA
Tetrachlorobiphenyls	0.0035	0.0020		0.0026	0.0015	1	7/3/19	2:18	CLA
Pentachlorobiphenyls	ND	0.0020		ND	0.0015	1	7/3/19	2:18	CLA
Hexachlorobiphenyls	ND	0.0020		ND	0.0015	1	7/3/19	2:18	CLA
Heptachlorobiphenyls	ND	0.0030		ND	0.0023	1	7/3/19	2:18	CLA
Octachlorobiphenyls	ND	0.0030		ND	0.0023	1	7/3/19	2:18	CLA
Nonachlorobiphenyls	ND	0.0050		ND	0.0038	1	7/3/19	2:18	CLA
Decachlorobiphenyl	ND	0.0050		ND	0.0038	1	7/3/19	2:18	CLA
Total Polychlorinated biphenyls	0.0077			0.0059		1	7/3/19	2:18	CLA
Surrogates	% Recovery			% REC Limits					
Tetrachloro-m-xylene	93.2			50-125			7/3/19 2:18		

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Sample Extraction Data**Prep Method: SW-846 3540C-TO-10A/EPA 680 Modified**

Lab Number [Field ID]	Batch	Initial [Cartridge	Final [mL]	Date
19F1247-01 [FLHS-IA-1000]	B234058	1.00	1.00	06/25/19
19F1247-02 [FLHS-IA-1001]	B234058	1.00	1.00	06/25/19
19F1247-03 [FLHS-IA-1002]	B234058	1.00	1.00	06/25/19
19F1247-04 [FLHS-IA-1003]	B234058	1.00	1.00	06/25/19
19F1247-05 [FLHS-IA-1004]	B234058	1.00	1.00	06/25/19
19F1247-06 [FLHS-IA-1005]	B234058	1.00	1.00	06/25/19
19F1247-07 [FLHS-IA-1006]	B234058	1.00	1.00	06/25/19
19F1247-08 [FLHS-IA-1007]	B234058	1.00	1.00	06/25/19
19F1247-09 [FLHS-IA-1008]	B234058	1.00	1.00	06/25/19
19F1247-10 [FLHS-IA-1009]	B234058	1.00	1.00	06/25/19
19F1247-11 [FLHS-IA-1010]	B234058	1.00	1.00	06/25/19
19F1247-12 [FLHS-IA-1011]	B234058	1.00	1.00	06/25/19
19F1247-13 [FLHS-IA-1012]	B234058	1.00	1.00	06/25/19
19F1247-14 [FLHS-IA-1013]	B234058	1.00	1.00	06/25/19
19F1247-15 [FLHS-IA-1014]	B234058	1.00	1.00	06/25/19
19F1247-16 [FLHS-IA-1015]	B234058	1.00	1.00	06/25/19
19F1247-17 [FLHS-IA-1016]	B234058	1.00	1.00	06/25/19
19F1247-18 [FLHS-IA-1017]	B234058	1.00	1.00	06/25/19
19F1247-19 [FLHS-IA-1018]	B234058	1.00	1.00	06/25/19
19F1247-20 [FLHS-IA-1019]	B234058	1.00	1.00	06/25/19

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

Lab Number [Field ID]	Batch	Initial [Cartridge	Final [mL]	Date
19F1247-21 [FLHS-IA-1020]	B234359	1.00	1.00	06/27/19

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

QUALITY CONTROL

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

Analyte	Total µg		ug/m3		Spike Level	Source	%REC	%REC	RPD	RPD	Flag/Qual
	Results	RL	Results	RL	Total µg	Result	%REC	Limits	RPD	Limit	
Batch B234058 - SW-846 3540C											
Blank (B234058-BLK1)						Prepared: 06/25/19 Analyzed: 06/28/19					
Monochlorobiphenyls	ND	0.0010									
Dichlorobiphenyls	ND	0.0010									
Trichlorobiphenyls	ND	0.0020									
Tetrachlorobiphenyls	ND	0.0020									
Pentachlorobiphenyls	ND	0.0020									
Hexachlorobiphenyls	ND	0.0020									
Heptachlorobiphenyls	ND	0.0030									
Octachlorobiphenyls	ND	0.0030									
Nonachlorobiphenyls	ND	0.0050									
Decachlorobiphenyl	ND	0.0050									
Total Polychlorinated biphenyls	0.0										
Surrogate: Tetrachloro-m-xylene	0.123				0.200		61.5	50-125			
LCS (B234058-BS1)						Prepared: 06/25/19 Analyzed: 06/28/19					
Monochlorobiphenyls	0.12	0.0010			0.200		60.3	40-140			
Dichlorobiphenyls	0.14	0.0010			0.200		71.5	40-140			
Trichlorobiphenyls	0.14	0.0020			0.200		67.6	40-140			
Tetrachlorobiphenyls	0.27	0.0020			0.400		67.1	40-140			
Pentachlorobiphenyls	0.27	0.0020			0.400		67.6	40-140			
Hexachlorobiphenyls	0.26	0.0020			0.400		65.2	40-140			
Heptachlorobiphenyls	0.36	0.0030			0.600		60.1	40-140			
Octachlorobiphenyls	0.36	0.0030			0.600		60.4	40-140			
Nonachlorobiphenyls	0.62	0.0050			1.00		62.5	40-140			
Decachlorobiphenyl	0.60	0.0050			1.00		60.3	40-140			
Surrogate: Tetrachloro-m-xylene	0.151				0.200		75.7	50-125			
LCS Dup (B234058-BS1)						Prepared: 06/25/19 Analyzed: 06/28/19					
Monochlorobiphenyls	0.12	0.0010			0.200		59.0	40-140	2.21	50	
Dichlorobiphenyls	0.14	0.0010			0.200		69.0	40-140	3.59	50	
Trichlorobiphenyls	0.13	0.0020			0.200		64.7	40-140	4.46	50	
Tetrachlorobiphenyls	0.26	0.0020			0.400		63.9	40-140	4.89	50	
Pentachlorobiphenyls	0.25	0.0020			0.400		62.3	40-140	8.11	50	
Hexachlorobiphenyls	0.23	0.0020			0.400		56.6	40-140	14.2	50	
Heptachlorobiphenyls	0.31	0.0030			0.600		52.4	40-140	13.7	50	
Octachlorobiphenyls	0.32	0.0030			0.600		52.8	40-140	13.5	50	
Nonachlorobiphenyls	0.55	0.0050			1.00		54.8	40-140	13.1	50	
Decachlorobiphenyl	0.53	0.0050			1.00		53.3	40-140	12.2	50	
Surrogate: Tetrachloro-m-xylene	0.149				0.200		74.7	50-125			

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QUALITY CONTROL

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

Analyte	Total µg		ug/m3		Spike Level	Source	%REC	%REC	RPD	RPD	Flag/Qual
	Results	RL	Results	RL	Total µg	Result	%REC	Limits		Limit	
Batch B234359 - SW-846 3540C											
Blank (B234359-BLK1)					Prepared: 06/27/19 Analyzed: 06/28/19						
Monochlorobiphenyls	ND	0.0010									
Dichlorobiphenyls	ND	0.0010									
Trichlorobiphenyls	ND	0.0020									
Tetrachlorobiphenyls	ND	0.0020									
Pentachlorobiphenyls	ND	0.0020									
Hexachlorobiphenyls	ND	0.0020									
Heptachlorobiphenyls	ND	0.0030									
Octachlorobiphenyls	ND	0.0030									
Nonachlorobiphenyls	ND	0.0050									
Decachlorobiphenyl	ND	0.0050									
Total Polychlorinated biphenyls	0.0										
Surrogate: Tetrachloro-m-xylene	0.158				0.200		79.2	50-125			
LCS (B234359-BS1)					Prepared: 06/27/19 Analyzed: 06/28/19						
Monochlorobiphenyls	0.12	0.0010			0.200		62.4	40-140			
Dichlorobiphenyls	0.14	0.0010			0.200		72.1	40-140			
Trichlorobiphenyls	0.13	0.0020			0.200		67.1	40-140			
Tetrachlorobiphenyls	0.26	0.0020			0.400		66.0	40-140			
Pentachlorobiphenyls	0.26	0.0020			0.400		66.2	40-140			
Hexachlorobiphenyls	0.25	0.0020			0.400		62.3	40-140			
Heptachlorobiphenyls	0.35	0.0030			0.600		58.3	40-140			
Octachlorobiphenyls	0.36	0.0030			0.600		59.7	40-140			
Nonachlorobiphenyls	0.63	0.0050			1.00		63.4	40-140			
Decachlorobiphenyl	0.64	0.0050			1.00		63.8	40-140			
Surrogate: Tetrachloro-m-xylene	0.153				0.200		76.3	50-125			
LCS Dup (B234359-BSD1)					Prepared: 06/27/19 Analyzed: 06/28/19						
Monochlorobiphenyls	0.11	0.0010			0.200		53.9	40-140	14.7	50	
Dichlorobiphenyls	0.15	0.0010			0.200		73.3	40-140	1.72	50	
Trichlorobiphenyls	0.15	0.0020			0.200		74.0	40-140	9.86	50	
Tetrachlorobiphenyls	0.30	0.0020			0.400		75.1	40-140	12.9	50	
Pentachlorobiphenyls	0.36	0.0020			0.400		89.2	40-140	29.6	50	
Hexachlorobiphenyls	0.25	0.0020			0.400		63.6	40-140	2.14	50	
Heptachlorobiphenyls	0.36	0.0030			0.600		59.5	40-140	2.09	50	
Octachlorobiphenyls	0.37	0.0030			0.600		61.3	40-140	2.61	50	
Nonachlorobiphenyls	0.65	0.0050			1.00		65.1	40-140	2.65	50	
Decachlorobiphenyl	0.66	0.0050			1.00		65.6	40-140	2.92	50	
Surrogate: Tetrachloro-m-xylene	0.152				0.200		76.1	50-125			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
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.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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INTERNAL STANDARD AREA AND RT SUMMARY

TO-10A/EPA 680 Modified

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S037674-CCV1)									
Lab File ID: F1917903c.D				Analyzed: 06/28/19 13:05					
Phenanthrene-d10	954316	19.294	1300502	20.307	73	0 - 200	-1.0130	+/-0.50	
Chrysene-d12	603663	26.61	755395	28.009	80	0 - 200	-1.3990	+/-0.50	
LCS (B234058-BS1)									
Lab File ID: F1917904.D				Analyzed: 06/28/19 13:42					
Phenanthrene-d10	965067	19.294	954316	19.294	101	50 - 200	0.0000	+/-0.50	
Chrysene-d12	556953	26.611	603663	26.61	92	50 - 200	0.0010	+/-0.50	
LCS Dup (B234058-BSD1)									
Lab File ID: F1917905.D				Analyzed: 06/28/19 14:20					
Phenanthrene-d10	1118423	19.294	954316	19.294	117	50 - 200	0.0000	+/-0.50	
Chrysene-d12	688957	26.611	603663	26.61	114	50 - 200	0.0010	+/-0.50	
Blank (B234058-BLK1)									
Lab File ID: F1917906.D				Analyzed: 06/28/19 14:56					
Phenanthrene-d10	1076885	19.294	954316	19.294	113	50 - 200	0.0000	+/-0.50	
Chrysene-d12	636094	26.611	603663	26.61	105	50 - 200	0.0010	+/-0.50	
FLHS-IA-1000 (19F1247-01)									
Lab File ID: F1917907.D				Analyzed: 06/28/19 15:33					
Phenanthrene-d10	1163571	19.294	954316	19.294	122	50 - 200	0.0000	+/-0.50	
Chrysene-d12	751892	26.618	603663	26.61	125	50 - 200	0.0080	+/-0.50	
FLHS-IA-1001 (19F1247-02)									
Lab File ID: F1917908.D				Analyzed: 06/28/19 16:11					
Phenanthrene-d10	1074997	19.294	954316	19.294	113	50 - 200	0.0000	+/-0.50	
Chrysene-d12	659326	26.612	603663	26.61	109	50 - 200	0.0020	+/-0.50	
FLHS-IA-1002 (19F1247-03)									
Lab File ID: F1917909.D				Analyzed: 06/28/19 16:48					
Phenanthrene-d10	1032516	19.294	954316	19.294	108	50 - 200	0.0000	+/-0.50	
Chrysene-d12	603137	26.611	603663	26.61	100	50 - 200	0.0010	+/-0.50	
FLHS-IA-1003 (19F1247-04)									
Lab File ID: F1917910.D				Analyzed: 06/28/19 17:26					
Phenanthrene-d10	772325	19.288	954316	19.294	81	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	553230	26.61	603663	26.61	92	50 - 200	0.0000	+/-0.50	
FLHS-IA-1004 (19F1247-05)									
Lab File ID: F1917911.D				Analyzed: 06/28/19 18:03					
Phenanthrene-d10	1084096	19.294	954316	19.294	114	50 - 200	0.0000	+/-0.50	
Chrysene-d12	624825	26.612	603663	26.61	104	50 - 200	0.0020	+/-0.50	
FLHS-IA-1005 (19F1247-06)									
Lab File ID: F1917912.D				Analyzed: 06/28/19 18:41					
Phenanthrene-d10	996616	19.288	954316	19.294	104	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	618583	26.61	603663	26.61	102	50 - 200	0.0000	+/-0.50	
FLHS-IA-1006 (19F1247-07)									
Lab File ID: F1917913.D				Analyzed: 06/28/19 19:18					
Phenanthrene-d10	1001095	19.294	954316	19.294	105	50 - 200	0.0000	+/-0.50	
Chrysene-d12	597905	26.604	603663	26.61	99	50 - 200	-0.0060	+/-0.50	
LCS (B234359-BS1)									
Lab File ID: F1917915.D				Analyzed: 06/28/19 20:33					
Phenanthrene-d10	1106647	19.288	954316	19.294	116	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	657516	26.61	603663	26.61	109	50 - 200	0.0000	+/-0.50	
LCS Dup (B234359-BSD1)									
Lab File ID: F1917916.D				Analyzed: 06/28/19 21:10					
Phenanthrene-d10	747764	19.288	954316	19.294	78	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	587811	26.604	603663	26.61	97	50 - 200	-0.0060	+/-0.50	

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INTERNAL STANDARD AREA AND RT SUMMARY

TO-10A/EPA 680 Modified

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Blank (B234359-BLK1) Lab File ID: F1917919.D Analyzed: 06/28/19 22:25									
Phenanthrene-d10	943988	19.288	954316	19.294	99	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	539026	26.602	603663	26.61	89	50 - 200	-0.0080	+/-0.50	
Calibration Check (S037674-CCV2) Lab File ID: F1917921.D Analyzed: 06/28/19 23:40									
Phenanthrene-d10	983376	19.288	954316	19.294	103	0 - 200	-0.0060	+/-0.50	
Chrysene-d12	548915	26.602	603663	26.61	91	0 - 200	-0.0080	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

TO-10A/EPA 680 Modified

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S037736-CCV1) Lab File ID: F1918320.D Analyzed: 07/02/19 20:41									
Phenanthrene-d10	1018712	19.294	1300502	20.307	78	0 - 200	-1.0130	+/-0.50	
Chrysene-d12	563775	26.612	755395	28.009	75	0 - 200	-1.3970	+/-0.50	
FLHS-IA-1020 (19F1247-21) Lab File ID: F1918329.D Analyzed: 07/03/19 02:18									
Phenanthrene-d10	948733	19.288	1018712	19.294	93	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	518780	26.612	563775	26.612	92	50 - 200	0.0000	+/-0.50	
Calibration Check (S037736-CCV2) Lab File ID: F1918337.D Analyzed: 07/03/19 07:17									
Phenanthrene-d10	911580	19.288	1018712	19.294	89	0 - 200	-0.0060	+/-0.50	
Chrysene-d12	446212	26.602	563775	26.612	79	0 - 200	-0.0100	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

TO-10A/EPA 680 Modified

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S037799-CCV1) Lab File ID: F1918303.D Analyzed: 07/02/19 10:05									
Phenanthrene-d10	956835	19.294	1300502	20.307	74	0 - 200	-1.0130	+/-0.50	
Chrysene-d12	519713	26.61	755395	28.009	69	0 - 200	-1.3990	+/-0.50	
FLHS-IA-1007 (19F1247-08) Lab File ID: F1918304.D Analyzed: 07/02/19 10:42									
Phenanthrene-d10	1040600	19.294	956835	19.294	109	50 - 200	0.0000	+/-0.50	
Chrysene-d12			519713	26.61		50 - 200	-26.6100	+/-0.50	*
FLHS-IA-1008 (19F1247-09) Lab File ID: F1918305.D Analyzed: 07/02/19 11:20									
Phenanthrene-d10	1086408	19.294	956835	19.294	114	50 - 200	0.0000	+/-0.50	
Chrysene-d12	661617	26.61	519713	26.61	127	50 - 200	0.0000	+/-0.50	
FLHS-IA-1009 (19F1247-10) Lab File ID: F1918306.D Analyzed: 07/02/19 11:57									
Phenanthrene-d10	1030510	19.294	956835	19.294	108	50 - 200	0.0000	+/-0.50	
Chrysene-d12	577907	26.612	519713	26.61	111	50 - 200	0.0020	+/-0.50	
FLHS-IA-1010 (19F1247-11) Lab File ID: F1918307.D Analyzed: 07/02/19 12:35									
Phenanthrene-d10	1063695	19.294	956835	19.294	111	50 - 200	0.0000	+/-0.50	
Chrysene-d12	569507	26.61	519713	26.61	110	50 - 200	0.0000	+/-0.50	

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INTERNAL STANDARD AREA AND RT SUMMARY

TO-10A/EPA 680 Modified

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
FLHS-IA-1011 (19F1247-12) Lab File ID: F1918309.D Analyzed: 07/02/19 13:49									
Phenanthrene-d10	1022952	19.294	956835	19.294	107	50 - 200	0.0000	+/-0.50	
Chrysene-d12	661929	26.618	519713	26.61	127	50 - 200	0.0080	+/-0.50	
FLHS-IA-1012 (19F1247-13) Lab File ID: F1918310.D Analyzed: 07/02/19 14:27									
Phenanthrene-d10	1059895	19.294	956835	19.294	111	50 - 200	0.0000	+/-0.50	
Chrysene-d12	589945	26.62	519713	26.61	114	50 - 200	0.0100	+/-0.50	
FLHS-IA-1013 (19F1247-14) Lab File ID: F1918311.D Analyzed: 07/02/19 15:04									
Phenanthrene-d10	1162127	19.294	956835	19.294	121	50 - 200	0.0000	+/-0.50	
Chrysene-d12	670544	26.618	519713	26.61	129	50 - 200	0.0080	+/-0.50	
FLHS-IA-1014 (19F1247-15) Lab File ID: F1918312.D Analyzed: 07/02/19 15:42									
Phenanthrene-d10	957342	19.294	956835	19.294	100	50 - 200	0.0000	+/-0.50	
Chrysene-d12	537415	26.62	519713	26.61	103	50 - 200	0.0100	+/-0.50	
FLHS-IA-1015 (19F1247-16) Lab File ID: F1918313.D Analyzed: 07/02/19 16:19									
Phenanthrene-d10	884167	19.294	956835	19.294	92	50 - 200	0.0000	+/-0.50	
Chrysene-d12	507273	26.62	519713	26.61	98	50 - 200	0.0100	+/-0.50	
FLHS-IA-1016 (19F1247-17) Lab File ID: F1918314.D Analyzed: 07/02/19 16:57									
Phenanthrene-d10	875936	19.3	956835	19.294	92	50 - 200	0.0060	+/-0.50	
Chrysene-d12	521546	26.62	519713	26.61	100	50 - 200	0.0100	+/-0.50	
FLHS-IA-1017 (19F1247-18) Lab File ID: F1918315.D Analyzed: 07/02/19 17:34									
Phenanthrene-d10	892973	19.3	956835	19.294	93	50 - 200	0.0060	+/-0.50	
Chrysene-d12	547429	26.619	519713	26.61	105	50 - 200	0.0090	+/-0.50	
FLHS-IA-1018 (19F1247-19) Lab File ID: F1918316.D Analyzed: 07/02/19 18:12									
Phenanthrene-d10	968614	19.294	956835	19.294	101	50 - 200	0.0000	+/-0.50	
Chrysene-d12	543573	26.619	519713	26.61	105	50 - 200	0.0090	+/-0.50	
FLHS-IA-1019 (19F1247-20) Lab File ID: F1918317.D Analyzed: 07/02/19 18:49									
Phenanthrene-d10	924296	19.294	956835	19.294	97	50 - 200	0.0000	+/-0.50	
Chrysene-d12	553574	26.62	519713	26.61	107	50 - 200	0.0100	+/-0.50	
Calibration Check (S037799-CCV2) Lab File ID: F1918337.D Analyzed: 07/03/19 07:17									
Phenanthrene-d10	911580	19.288	956835	19.294	95	0 - 200	-0.0060	+/-0.50	
Chrysene-d12	446212	26.602	519713	26.61	86	0 - 200	-0.0080	+/-0.50	

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CONTINUING CALIBRATION CHECK

TO-10A/EPA 680 Modified

S037674-CCV1

COMPOUND	TYPE	CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Monochlorobiphenyls	A	100	100	25.8674	25.90232		0.1	20
Dichlorobiphenyls	A	100	110	23.62162	26.01811		10.1	20
Trichlorobiphenyls	A	100	113	19.79156	22.37388		13.0	20
Tetrachlorobiphenyls	A	200	213	11.92361	12.71631		6.6	20
Pentachlorobiphenyls	A	200	212	10.19841	10.82097		6.1	20
Hexachlorobiphenyls	A	200	183	16.8474	15.40118		-8.6	20
Heptachlorobiphenyls	A	300	260	16.84104	14.60487		-13.3	20
Octachlorobiphenyls	A	300	258	14.7698	12.68174		-14.1	20
Nonachlorobiphenyls	A	500	425	13.16719	11.19615		-15.0	20
Decachlorobiphenyl	A	500	429	11.15062	9.571483		-14.2	20

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

* Values outside of QC limits

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CONTINUING CALIBRATION CHECK

TO-10A/EPA 680 Modified

S037674-CCV2

COMPOUND	TYPE	CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Monochlorobiphenyls	A	100	102	25.8674	26.42402		2.2	20
Dichlorobiphenyls	A	100	104	23.62162	24.65918		4.4	20
Trichlorobiphenyls	A	100	104	19.79156	20.58216		4.0	20
Tetrachlorobiphenyls	A	200	204	11.92361	12.14795		1.9	20
Pentachlorobiphenyls	A	200	196	10.19841	10.01499		-1.8	20
Hexachlorobiphenyls	A	200	194	16.8474	16.35066		-2.9	20
Heptachlorobiphenyls	A	300	280	16.84104	15.71555		-6.7	20
Octachlorobiphenyls	A	300	285	14.7698	14.03693		-5.0	20
Nonachlorobiphenyls	A	500	474	13.16719	12.48253		-5.2	20
Decachlorobiphenyl	A	500	483	11.15062	10.76633		-3.4	20

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

* Values outside of QC limits

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CONTINUING CALIBRATION CHECK

TO-10A/EPA 680 Modified

S037736-CCV1

COMPOUND	TYPE	CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Monochlorobiphenyls	A	100	114	25.8674	29.6119		14.5	20
Dichlorobiphenyls	A	100	107	23.62162	25.31996		7.2	20
Trichlorobiphenyls	A	100	104	19.79156	20.50261		3.6	20
Tetrachlorobiphenyls	A	200	197	11.92361	11.76964		-1.3	20
Pentachlorobiphenyls	A	200	186	10.19841	9.491397		-6.9	20
Hexachlorobiphenyls	A	200	183	16.8474	15.39111		-8.6	20
Heptachlorobiphenyls	A	300	260	16.84104	14.59388		-13.3	20
Octachlorobiphenyls	A	300	262	14.7698	12.88088		-12.8	20
Nonachlorobiphenyls	A	500	441	13.16719	11.62263		-11.7	20
Decachlorobiphenyl	A	500	444	11.15062	9.897477		-11.2	20

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

* Values outside of QC limits

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CONTINUING CALIBRATION CHECK

TO-10A/EPA 680 Modified

S037736-CCV2

COMPOUND	TYPE	CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Monochlorobiphenyls	A	100	122	25.8674	31.53974		21.9	20 *
Dichlorobiphenyls	A	100	114	23.62162	26.94936		14.1	20
Trichlorobiphenyls	A	100	111	19.79156	21.9328		10.8	20
Tetrachlorobiphenyls	A	200	216	11.92361	12.88847		8.1	20
Pentachlorobiphenyls	A	200	196	10.19841	10.00886		-1.9	20
Hexachlorobiphenyls	A	200	221	16.8474	18.6394		10.6	20
Heptachlorobiphenyls	A	300	313	16.84104	17.55668		4.2	20
Octachlorobiphenyls	A	300	308	14.7698	15.16618		2.7	20
Nonachlorobiphenyls	A	500	497	13.16719	13.08638		-0.6	20
Decachlorobiphenyl	A	500	487	11.15062	10.86188		-2.6	20

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

* Values outside of QC limits

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CONTINUING CALIBRATION CHECK

TO-10A/EPA 680 Modified

S037799-CCV1

COMPOUND	TYPE	CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Monochlorobiphenyls	A	100	109	25.8674	28.2776		9.3	20
Dichlorobiphenyls	A	100	107	23.62162	25.2635		7.0	20
Trichlorobiphenyls	A	100	105	19.79156	20.71177		4.6	20
Tetrachlorobiphenyls	A	200	204	11.92361	12.16276		2.0	20
Pentachlorobiphenyls	A	200	195	10.19841	9.93131		-2.6	20
Hexachlorobiphenyls	A	200	197	16.8474	16.60219		-1.5	20
Heptachlorobiphenyls	A	300	282	16.84104	15.85603		-5.8	20
Octachlorobiphenyls	A	300	282	14.7698	13.88699		-6.0	20
Nonachlorobiphenyls	A	500	461	13.16719	12.1468		-7.7	20
Decachlorobiphenyl	A	500	459	11.15062	10.22536		-8.3	20

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

* Values outside of QC limits

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CONTINUING CALIBRATION CHECK

TO-10A/EPA 680 Modified

S037799-CCV2

COMPOUND	TYPE	CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Monochlorobiphenyls	A	100	122	25.8674	31.53974		21.9	20 *
Dichlorobiphenyls	A	100	114	23.62162	26.94936		14.1	20
Trichlorobiphenyls	A	100	111	19.79156	21.9328		10.8	20
Tetrachlorobiphenyls	A	200	216	11.92361	12.88847		8.1	20
Pentachlorobiphenyls	A	200	196	10.19841	10.00886		-1.9	20
Hexachlorobiphenyls	A	200	221	16.8474	18.6394		10.6	20
Heptachlorobiphenyls	A	300	313	16.84104	17.55668		4.2	20
Octachlorobiphenyls	A	300	308	14.7698	15.16618		2.7	20
Nonachlorobiphenyls	A	500	497	13.16719	13.08638		-0.6	20
Decachlorobiphenyl	A	500	487	11.15062	10.86188		-2.6	20

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

* Values outside of QC limits

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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	06/30/2020
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2020
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2020
RI	Rhode Island Department of Health	LAO00112	12/30/2019
NC	North Carolina Div. of Water Quality	652	12/31/2019
NJ	New Jersey DEP	MA007 NELAP	06/30/2020
FL	Florida Department of Health	E871027 NELAP	06/30/2020
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2020
ME	State of Maine	2011028	06/9/2021
VA	Commonwealth of Virginia	460217	12/14/2019
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2020
NC-DW	North Carolina Department of Health	25703	07/31/2019
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2020

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ANALYTICAL LABORATORY

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Email: info@contestlabs.com

Company Name: Woodward-Corn
Address: 213 Court St, Middleboro, CT, 06457
Phone: 203-271-0329
Project Name: FLHS
Project Location: Fairfield, CT
Project Number: 228875
Project Manager: George Franklin
Con-Test Bid: _____

Invoice Recipient: Greg Reynolds / George Reynolds
Sampled By: W. D. Reynolds / Greg Reynolds

Requested Turnaround Time:
7-Day ☐ 10-Day ☐
Other: 5 days

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

Data Delivery:
Format: PDF ☒ EXCEL ☒
Other: _____

Enhanced Data Package Required: ☐
Email To: gregreynolds@woodward-corn.com
Fax To: 3 Franklin & Woodward Corn

Invoice Recipient: <i>Lois Reynolds / 6 Franklin</i>		Email To: <i>gsc.medi@washington.com</i>		Lab Use		Client Use		Collection Data		Duration		Flow Rate		Matrix		Volume		Pressure		Flow controller information please refer to Con-Test's Air Media Agreement			
Sampled By: <i>W. D. Borsick / Gary Reynolds</i>		Fax To #: <i>5 Franklin & Washington</i>		Con		Con		Beginning Date/Time		Ending Date/Time		Total Minutes Sampled		<div><div></div><div><input checked="" type="checkbox"/> m³/min L/min</div></div>		Code		Liters m ³		Summa Can ID		Flow Controller ID	
1		FLHS-IA-1000		6/20/19 0830		6/20/19 1426		366		3.680		IA						1					
2		FLHS-IA-1001		6/20/19 846		6/20/19 1446		360		3.636		IA						2					
3		FLHS-IA-1002		6/20/19 850		6/20/19 1454		364		3.612		IA						3					
4		FLHS-IA-1003		6/20/19 910		6/20/19 1510		360		3.512		IA						4					
5		FLHS-IA-1004		6/20/19 919		6/20/19 1520		361		3.578		IA						5					
6		FLHS-IA-1005		6/20/19 925		6/20/19 1535		360		3.581		IA						6					
7		FLHS-IA-1006		6/20/19 942		6/20/19 1542		360		3.448		IA						7					
8		FLHS-IA-1007		6/20/19 956		6/20/19 1556		360		3.674		IA						8					
9		FLHS-IA-1008		6/20/19 1005		6/20/19 1609		369 134		3.642		IA						9					

Comments: _____

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

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

Relinquished by: (signature) [Signature] Date/Time: 6/22/19 1210
Received by: (signature) [Signature] Date/Time: 6/22/19 1210
Relinquished by: (signature) _____ Date/Time: _____
Received by: (signature) _____ Date/Time: _____
Relinquished by: (signature) _____ Date/Time: _____
Received by: (signature) _____ Date/Time: _____

Special Requirements:
MA MCP Required ☐
CT MCP Required ☒
Enhanced Data Package Required ☐

Turnaround Time (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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



Company Name: Woodward & Lothrop

Address: 213 Court St., Middletown, CT, 06450

Phone: 203 271 0379

Project Name: FLHS

Project Location: Fairfield CT

Project Number: 228875

Project Manager: George Franklin

Con-Test Bid:

Invoice Recipient:

Sampled By: Wm. N. Rescale / G. Reynolds

Requested Turnaround Time	
7-Day <input type="checkbox"/>	10-Day <input type="checkbox"/>
Other: <u>5 days</u>	
Rush Approval Required	
1-Day <input type="checkbox"/>	3-Day <input type="checkbox"/>
2-Day <input type="checkbox"/>	4-Day <input type="checkbox"/>
Date Delivery	
Format: PDF <input checked="" type="checkbox"/> EXCEL <input checked="" type="checkbox"/>	
Other:	
Enhanced Data Package Required: <input type="checkbox"/>	
Email To: <u>g.reynolds@woodwardlothrop.com</u>	
Fax To: <u>g.franklin@woodwardlothrop.com</u>	

ANALYSIS REQUESTED				"Hg"		Lab Receipt Pressure		Please fill out completely, sign, date and retain the yellow copy for your records	
						Initial Pressure		Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply	
						Final Pressure		For summa canister and flow controller information please refer to Con-Test's Air Media Agreement	
								Summa Can ID	
								10	
								11	
								12	
								13	
								14	
								15	
								16	
								17	
								18	

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

Comments:

Matrix Codes:

SG = SOIL GAS
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SS = SUB SLAB
D = DUP
BL = BLANK
O = Other

Relinquished by: (signature)	Date/Time:	Detection Limit Requirements		Special Requirements	
		MA	MA MCP Required		
Received by: (signature)	6/22/19 1210				
Relinquished by: (signature)	6/22/19 1210				
Received by: (signature)					
Relinquished by: (signature)					
Received by: (signature)					
Relinquished by: (signature)					
Received by: (signature)					

NEIAC and AHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

I Have Not Confirmed Sample Container
Numbers With Lab Staff Before
Relinquishing Over
Samples _____



con-test®
ANALYTICAL LABORATORY

Doc# 278 Rev 6 2017

**Air Media 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 WTC

Received By RAP Date 6/22/19 Time 1210
How were the samples In Cooler T On Ice T No Ice _____
received? In Box _____ Ambient _____ Melted Ice _____
Were samples within Temperature By Gun # 4 Actual Temp - 3.7
Compliance? 2-6°C By Blank # _____ Actual Temp - _____
Was Custody Seal Intact? NA Were Samples Tampered with? NA
Was COC Relinquished? T Does Chain Agree With Samples? T
Are there any loose caps/valves on any samples? F
Is COC in ink/ Legible? 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 Rushes? F Who was notified? _____
Samples are received within holding time? T
Proper Media Used? T Individually Certified Cans? F
Are there Trip Blanks? F Is there enough Volume? T

Containers:	#	Size	Regulator	Duration	Accessories:		
Summa Cans					Nut/Ferrule		IC Train
Tedlar Bags					Tubing		
TO-17 Tubes					T-Connector		Shipping Charges
Radiello					Syringe		
Pufs/TO-11s	<u>22</u>				Tedlar		

Can #'s					Reg #'s				
Unused Media					Pufs/TO-17's				
<u>061819-22</u>					<u>061819-01</u>	<u>061819-06</u>	<u>061819-11</u>	<u>061819-17</u>	
					<u>061819-02</u>	<u>061819-07</u>	<u>061819-12</u>	<u>061819-18</u>	
					<u>061819-03</u>	<u>061819-08</u>	<u>061819-13</u>	<u>061819-19</u>	
					<u>061819-04</u>	<u>061819-09</u>	<u>061819-14</u>	<u>061819-20</u>	
					<u>061819-05</u>	<u>061819-10</u>	<u>061819-15</u>	<u>061819-21</u>	
							<u>061819-16</u>		

Comments:

FLHS 2019 INTERIOR CONDITIONS ASSESSMENT - PROJECT SUMMARY

Con-Test Analytical Laboratory Job Number: 19F1247

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

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

Samples were received at 3.7 degrees Celsius. No qualifications were applied.

PCB Homologs:

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

The laboratory noted in the case narrative that for monochlorobiphenyls: "Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side." The laboratory V-20 is removed and the non-detected monochlorobiphenyls result in all affected samples was accepted without qualification.

All surrogates met laboratory acceptance criteria. No qualifications were applied.

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

No field blanks were submitted with this analytical package. No qualifications were applied.

No matrix spike/matrix spike duplicate (MS/MSD) was performed since the samples in this analytical package are air samples. No qualifications were applied.

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

The field duplicate samples FLHS-1A-1015 (19F1247-16)/FLHS-1A-1016 (19F1247-17) met acceptance criteria. No qualifications were applied.

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

Gloria J. Switalski:
President



Date: 7/19/2019