300 Wildwood Ave., Suite 230
Woburn, MA 01801
T 781.933.2555
TRCcompanies.com

April 21, 2022

Julie E. Green
Assistant Attorney General
Office of Attorney General Maura Healey
One Ashburton Place
Boston, MA 02108

Ref: PCB Air Sampling Report
Roderick L. Ireland Courthouse, 50 State Street, Springfield, Massachusetts
TRC Project 479550.0001.0000

Dear Attorney Green:

Attached please find the results of the industrial hygiene sampling for Polychlorinated Biphenyls (PCBs) performed by TRC Environmental Corporation (TRC) at the Roderick L Ireland Courthouse (the Courthouse) in Springfield, Massachusetts on March 18, 2022. This work was performed at the request of the Office of the Attorney General Maura Healey.

TRC used EPA Method TO-10A validated method to collect air samples for determination of PCBs within the Courthouse.

Should you have any questions or need further assistance, please do not hesitate to contact us at 781.933.2555.

Sincerely,
TRC

Ann D. Eckmann, CIH
Industrial Hygiene Group Leader

Reviewed by:

Edward A. Gerdts, CIH, CSP, LEED AP
Senior Vice President

Karen Vetrano, Ph.D.
Manager, Risk Assessment and Toxicology

CONTENTS

APPENDICES:

1.0 EXECUTIVE SUMMARY

On March 18, 2022, TRC Environmental Corporation (TRC) conducted sampling to determine airborne concentrations of polychlorinated biphenyls (PCBs) at the Roderick L. Ireland Courthouse in Springfield, Massachusetts. This sampling was conducted at the request of the office of the Attorney General Maura Healey.

Based on the age of the building, TRC assumes that PCB-containing materials are or may be present. These may include, but are not necessarily limited to, fluorescent light ballasts in fixtures that may not have been replaced with newer fixtures and window caulk. The purpose of this sampling was to determine whether the (assumed) presence of PCBs in the building presents an unacceptable health risk to building occupants through exposure to PCBs via inhalation.

Air sampling for vapor phase and particulate-bound PCBs was conducted at twenty (20) locations within the building representing the ventilation zones serviced by each of four primary air handling units. A sampling train consisting of a quartz pre-filter (for particulate phase) and polyurethane foam (PUF) sampling tube (for vapor phase) connected in series, in conjunction with an air sampling pump, was used to collect air samples at each test location. The sampling was conducted for a sufficient period of time (sampling began at the first test location at 8:00 am and ended at the last test location at about 7:30 pm) to obtain very sensitive detection limits appropriate for risk assessment purposes. Slight adjustments to proposed test locations were made on the day of sampling where needed based on accessibility due to usage. Efforts were made to ensure that sampling included areas where occupants had reported specific indoor air quality concerns and reflected representative conditions throughout the building.

The majority of the sample results were found to be non-detect for PCBs, with minimum detectable concentrations in air ranging from less than (<)15 to <18 nanograms per cubic meter of air (ng/m^3). No PCBs were detected on any of the quartz sample filters, i.e., no particulate-bound PCBs in air were detected. Only two samples indicated the presence of vapor phase PCBs on the PUF section of the sampling train, including a result of 20 ng/m^3 of Aroclor-1254 in Room 249, and 60 ng/m^3 of Aroclor-1242 near the windows in the Law Library. These concentrations are well below occupational exposure limits for Aroclor 1254 and Arochlor 1242 of 0.5 milligram (equivalent to 500,000 nanograms) and 1 milligram (equivalent to 1,000,000 nanograms) per cubic meter of air, respectively. In addition, these concentrations are below the most stringent EPA “Exposure Level for Evaluating PCBs in School Indoor Air” of 100 ng/m^3 for children age 1 to < 3 years of age. Finally, TRC’s risk calculations with respect to a cancer risk associated with airborne concentrations of PCBs indicate that the measured PCB concentrations detected in the two test locations are well below the U.S. EPA commercial/industrial screening value of 120 ng/m^3 for workplace exposure to PCBs (i.e., 8 hours per day, 250 days per year for 25 years) and are generally similar to or below the residential screening value of 28 ng/m^3 (i.e., 24 hours per day, 365 days per year for 26 years. This is a conservative (i.e. health protective) comparison as it is expected that no one will be occupying the building, let alone the areas where the detections occurred for 24 hours/day, 350 days per year for 26 years, therefore actual exposures would be significantly less.

Based on the air sampling results, there was no evidence of elevated concentrations of PCBs on the day of sampling, or any excess cancer risk based on the measured PCB concentrations.

2.0 SAMPLING STRATEGY AND METHODS

Air sampling for PCBs was performed using Supelco Low Volume Polyurethane Foam (PUF) glass sample tubes connected in series with Supelco 32mm diameter quartz microfiber filters. The filters were set on a wire mesh screen, with an O-ring placed between the filter and outer nut to maintain a tight seal, and the filter apparatus was placed snugly on the end of the PUF tube. Each filter and PUF sampling train was connected to an SKC sampling pump or a high-volume AC-powered pump using polyvinyl tubing. Air was drawn through the sampling train at flow rates ranging from 3 to 5 liters per minute in accordance with EPA method TO-10A. Flow rates were determined prior to, during, and at the end of the sampling periods using SKC Chek-Mate Calibrators with a digital display. A minimum air volume of approximately 2,200 liters was collected for each sample, with a total of 20 samples taken in selected courthouse locations.

All sampling trains were attached to tripod stands and were angled slightly downward. All samples were placed in unobstructed locations to maximize air flow. Start times, flow check times and end times were recorded with the corresponding flow rates throughout the sampling periods.

The PUF sample tubes and quartz filters in their fittings were provided by Pace Analytical, East Longmeadow, Massachusetts. The PUF sampling tubes were received wrapped in foil and were unwrapped to the extent necessary to conduct the sampling. Upon completion of sampling, each PUF tube and filter were left connected and wrapped in foil, placed in clean plastic bags, sealed, labeled and placed in a cooler with cold packs.

The samples were hand-carried to TRC's Woburn, Massachusetts office where they were immediately placed in a sample refrigerator. The samples were picked up by courier the following business day for delivery to Pace Analytical, where they were analyzed using gas chromatography / mass spectrometry (GC/MS) for determination of PCBs including Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, Aroclor-1262 and Aroclor-1268. Pace Analytical is an independent laboratory that is accredited by the American Industrial Hygiene Association to perform PCB air sampling analysis by the EPA TO-10A method (Certification No. 100033).

Sample locations were selected to represent the four major ventilation zones serviced by four primary air handling units including AHU-1, AHU-2, AHU-3 and AHU-4 (also described as AC-1, AC-2, AC-3 and AC-4, respectively) that service the Courthouse. Consideration was also given to areas where specific building occupant indoor air quality concerns had been reported according to information provided to TRC. TRC attempted to randomly select locations throughout the ventilation zones; however, the selection of locations in the courtrooms, which are all served by AHU-1, was limited to those available based on occupant and courtroom schedules.

3.0 RESULTS

The results are presented in the table below in concentration units of nanograms per cubic meter of air (ng/m^3). Of the twenty (20) air samples analyzed for PCBs, only two had detectable concentrations. As shown in the table, only two of the twenty air samples had detectable concentrations of PCBs. Sample #5, collected at Level 2, Room 249 had a concentration of 20 ng/m^3 Aroclor 1254 and Sample #18, collected at Level 3, Law Library near the "building north" windows had a concentration of 60 ng/m^3 Aroclor 1242. All other samples were non-detect for PCBs, with minimum detectable concentrations in air ranging from <15 to <18 ng/m^3.

Results of Air Sampling for PCBs
Roderick L. Ireland Courthouse
50 State Street, Springfield, Massachusetts
March 18, 2022

Sample ID	Location	Sample Period	Total Volume (Liters)	PUF Sample Result (ng/m^3)	Filter Sample Result (ng/m^3)
Ventilation Zone 1					
02	Plaza Level, District Courtroom 2	08:24 – 17:37	2227	ND (<18)	ND (<18)
07	Level 2, District Courtroom 3	09:02 – 18:06	2271	ND (<18)	ND (<18)
09	Level 4, Probate Courtroom 4	09:27 – 19:30	2554	ND (<16)	ND (<16)
12	Level 3, Records Room Adjacent to Superior Courtroom 1	09:21 – 18:37	2266	ND (<18)	ND (<18)
13	Level 3, Superior Courtroom 3	09:25 – 18:54	2321	ND (<17)	ND (<17)
Ventilation Zone 2					
08	Level 4, Room 434, Registry of Probate	09:21 – 19:22	2400	ND (<17)	ND (<17)
10	Level 4, Corridor Outside Room 422	09:35 – 19:34	2384	ND (<17)	ND (<17)
11	Level 4, Jury Pool	09:38 – 19:26	2441	ND (<16)	ND (<16)
16	Level 4, Outside Room 403, Registry of Deeds	09:34 – 19:37	2577	ND (<16)	ND (<16)
17	Level 4, Room 450, Registry of Deeds	09:36 – 19:40	2459	ND (<16)	ND (<16)
Ventilation Zone 3					
04	Plaza Level, Employee Lounge 168, District Court Probation	08:34 – 17:49	2280	ND (<18)	ND (<18)
05	Level 2, Room 249	08:49 – 18:15	2300	20 Aroclor-1254	ND (<17)
14	Level 3, Attorney's Lounge Between 332 and 333	09:19 – 18:32	2198	ND (<18)	ND (<18)
15	Level 3, Corridor directly outside Room 323	09:28 – 18:50	2308	ND (<17)	ND (<17)
19	Garage Level, G55	09:47 – 17:12	2228	ND (<18)	ND (<18)

Results of Air Sampling for PCBs
Roderick L. Ireland Courthouse
50 State Street, Springfield, Massachusetts
March 18, 2022

Sample ID	Location	Sample Period	Total Volume (Liters)	PUF Sample Result (ng/m^3)	Filter Sample Result (ng/m^3)
Ventilation Zone 4					
01	Garage Level, G06	08:17 – 17:07	2218	ND (<18)	ND (<18)
03	Plaza Level, Room 167, District Court of Probation	08:31 – 17:43	2235	ND (<18)	ND (<18)
06	Level 2, Room 204A	08:56 – 19:47	2264	ND (<18)*	ND (<18)*
18	Level 3, Law Library by Building-North Windows	09:44 – 18:57	2334	60 Aroclor-1242	ND (<17)
20	Level 3, Room 371, District Attorney Break Room	10:05 – 19:03	2658	ND (<15)	ND (<15)

NOTES:
ND is non-detect, the minimum detectable concentrations in air are shown in parentheses
*Pump stopped during sampling period. The pump display indicated it had operated for 77 minutes prior to stopping. The pump was replaced and the sample was re-started and the new start time and flow rate recorded. The minimum sampled air volume for the re placement pump is 2,264 liters. The maximum sampled air volume obtained by adding the initial sampled air volume is 2,571 liters. The minimum detectable concentrations in air for the minimum and maximum air sample volumes are < 0.018 and < 0.016 ng/m^3, respectively.

4.0 DISCUSSION

4.1 Occupational Exposure Limits

The U.S. Occupational Safety and Health Administration (OSHA) and the American Conference of Governmental Industrial Hygienists (ACGIH) have established occupational exposure limits for Chlorodiphenyl, 42% chlorine (Aroclor 1242) and Chlorodiphenyl, 54% chlorine (Aroclor 1254) for those employees who work with PCBs. These are 8-hour average concentrations that should not be exceeded during an 8-hour work shift. The respective occupational exposure limits for Aroclor 1242 and Aroclor 1254 are 1 milligram per cubic meter of air (equivalent to 1,000,000 ng/m^3) and 0.5 milligram per cubic meter of air (equivalent to 500,000 ng/m^3). Clearly the air sampling results are well below these occupational exposure limits.

4.2 U.S. EPA Guidance for Schools

The US Environmental Protection Agency's (USEPA) has published guidance for management of PCBs in K-12 schools, including "Exposure Levels for Evaluating PCBs in School Indoor Air" in ng/m^3 concentration units. They were derived to serve as health protective values intended for evaluation purposes and should not be interpreted nor applied as "bright line" or "not-to-exceed" criteria but may be used to guide thoughtful evaluation of indoor air quality in schools.[1]

Exposure Levels for Evaluating PCBs in School Indoor Air (ng/m^3)*

Age: 1-<2 yr	Age: 2-<3 yr	Age: 3-<6 yr	Age: 6-<12 yr elementary school	Age: 12-<15 yr middle school	Age: 15-<19 yr high school	Age: 19+ yr adult
100	100	200	300	500	600	500
*(Note: Exposure levels were rounded to the nearest hundred ng/m^3)						

Note that on March 18, 2022, all twenty air sample results were found to be below this guidance.

4.3 Evaluating PCB Cancer Risk using Risk Assessment Calculation Procedures

As documented in the USEPA Integrated Risk Information System (IRIS) Chemical Assessment Summary[2], PCBs have been classified as B2; probable human carcinogens, based upon animal studies conducted on rats. Evidence of carcinogenicity in humans has been deemed to be inadequate by USEPA. USEPA evaluated the potency of PCBs to cause cancer by examining the dose to cancer response relationship in these animal studies. This potency is expressed by the cancer slope factor for oral exposures as: risk per oral dose expressed as risk per milligram PCB per kilogram of body weight per day (risk per mg/kg BW/day); or the unit risk factor for inhalation exposures expressed as risk per microgram PCB per cubic meter of air (risk per µg/m^3 in air).

[1] https://www.epa.gov/pcbs/exposure-levels-evaluating-polychlorinated-biphenyls-pcbs-indoor-school-air
[2] https://iris.epa.gov/static/pdfs/0294_summary.pdf

For the inhalation of evaporated PCB congeners in air (considered low risk by USEPA), the inhalation unit risk factor is 1 x 10^{-4} per µg/m^3, which translates to a 1 in ten thousand risk of excess cancer at an air concentration of 1 µg/m^3. Using this unit risk value, USEPA has calculated a screening air concentration for two exposure scenarios, inhalation of residential and commercial/industrial air, based on a cancer risk of 1 in one million risk of excess cancer[3]. For residential air, the screening value is 0.028 ug/m^3 (equivalent to 28 ng/m^3) and is based on a presumed exposure of 24 hours per day, 350 days/year for 26 years. For commercial/industrial air, the screening value is 0.12 ug/m^3 (equivalent to 120 ng/m^3) and is based on a presumed exposure of 8 hours per day, 250 days/year for 25 years.

Both detected PCB air concentrations are less than the commercial/industrial screening value (six and two-fold for Aroclors 1254 and 1242, respectively). The detected concentration of Aroclor 1254 (20 ng/m^3) was less than the residential screening value, while the detected concentration of Aroclor 1242 (60 ng/m^3) exceeds the residential value by approximately 2.1-fold, resulting in a calculated cancer risk of 2 x 10^{-6} (2 in one million). This is a conservative (i.e. health protective) estimate as it is expected that no one will be occupying the building, let alone the one area that the detection occurred in for 24 hours/day, 350 days per year for 26 years. Actual exposure time will reduce the calculated cancer risk. USEPA considers the cancer risk range of 1 in one million to 1 in ten thousand to be acceptable. To put this in perspective, the American Cancer Society provides an average cancer rate of 1 in 2 for males (all invasive sites) and 1 in 3 for females (all invasive sites)[4]. Therefore, the detected concentrations of PCBs are considered to be below a level of health concern.

[3] https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables
[4] https://www.cancer.org/cancer/cancer-basics/lifetime-probability-of-developing-or-dying-from-cancer.html

5.0 LIMITATIONS

The results reflect conditions at the time of sampling. No expressed or implied representation or warranty is included in this assessment except that the services were performed within the limits of the scope of work authorized by the client and the encountered site conditions.

6.0 LIST OF APPENDICES

A: Pace Analytical Laboratory Report

B: Map of Air Sample Locations

C: Air Volume Calculations

APPENDIX A
PACE ANALYTICAL LABORATORY REPORT

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

April 19, 2022

Ann Eckmann
TRC Environmental Corporation - Woburn, MA
300 Wildwood Ave
Woburn, MA 01801

Project Location: 50 State St., Springfield, MA
Client Job Number:
Project Number: 479550
Laboratory Work Order Number: 22C1390

Enclosed are results of analyses for samples as received by the laboratory on March 21, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Matthew J Beaupre
Project Manager

Table of Contents

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A Pace Analytical® Laboratory

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

TRC Environmental Corporation - Woburn, MA
300 Wildwood Ave
Woburn, MA 01801
ATTN: Ann Eckmann

REPORT DATE: 4/19/2022

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 479550

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22C1390

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

PROJECT LOCATION: 50 State St., Springfield, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
02-PUF Plaza District Court 2 (back)	22C1390-01	Indoor air	Plaza District Court 2 (back)	-	
				EPA TO-10A	
02-Filter Plaza District Court 2 (back)	22C1390-02	Indoor air	Plaza District Court 2 (back)	EPA TO-10A	
04-PUF Plaza Emplyee Lounge 168	22C1390-03	Indoor air	Plaza Employee Lounge 168	-	
				EPA TO-10A	
04-Filter Plaza Emplyee Lounge 168	22C1390-04	Indoor air	Plaza Employee Lounge 168	EPA TO-10A	
03 PUF Plaza District Ct Probation 167	22C1390-05	Indoor air	Plaza District Ct Probation 167	-	
				EPA TO-10A	
03-Filter Plaza District Ct Probation 167	22C1390-06	Indoor air	Plaza District Ct Probation 167	EPA TO-10A	
19-PUF Garage Lvl G55	22C1390-07	Indoor air	Garage Lvl G55	-	
				EPA TO-10A	
19-Filter Garage Lvl G55	22C1390-08	Indoor air	Garage Lvl G55	EPA TO-10A	
01-PUF Garage Lvl G06	22C1390-09	Indoor air	Garage Lvl G06	-	
				EPA TO-10A	
01-Filter Garage Lvl G06	22C1390-10	Indoor air	Garage Lvl G06	EPA TO-10A	
05-PUF Lvl 2 249	22C1390-11	Indoor air	Lvl 2 249	-	
				EPA TO-10A	
05-Filter Lvl 2 249	22C1390-12	Indoor air	Lvl 2 249	EPA TO-10A	
07-PUF Lvl 2 District Court 3	22C1390-13	Indoor air	Lvl 2 District Court 3	-	
				EPA TO-10A	
07-Filter Lvl 2 District Court 3	22C1390-14	Indoor air	Lvl 2 District Court 3	EPA TO-10A	
06-PUF Lvl 2 204A	22C1390-15	Indoor air	Lvl 2 204A	-	
				EPA TO-10A	
06-Filter Lvl 2 204A	22C1390-16	Indoor air	Lvl 2 204A	EPA TO-10A	
18-PUF Lvl 3 Law Library	22C1390-17	Indoor air	Lvl 3 Law Library	-	
				EPA TO-10A	
18-Filter Lvl 3 Law Library	22C1390-18	Indoor air	Lvl 3 Law Library	EPA TO-10A	
13-PUF Lvl 3 Superior Court 3	22C1390-19	Indoor air	Lvl 3 Superior Court 3	-	
				EPA TO-10A	
13-Filter Lvl 3 Superior Court 3	22C1390-20	Indoor air	Lvl 3 Superior Court 3	EPA TO-10A	
15-PUF Lvl 3 Corridor near 323	22C1390-21	Indoor air	Lvl 3 Corridor near 323	-	
				EPA TO-10A	
15-Filter Lvl 3 Corridor near 323	22C1390-22	Indoor air	Lvl 3 Corridor near 323	EPA TO-10A	
14-PUF Lvl 3 Attorney's Lounge	22C1390-23	Indoor air	Lvl 3 Attorney's Lounge	-	
				EPA TO-10A	
14-Filter Lvl 3 Attorney's Lounge	22C1390-24	Indoor air	Lvl 3 Attorney's Lounge	EPA TO-10A	
20-PUF Lvl 3 District Attorney 371	22C1390-25	Indoor air	Lvl 3 District Attorney 371	-	
				EPA TO-10A	
20-Filter Lvl 3 District Attorney 371	22C1390-26	Indoor air	Lvl 3 District Attorney 371	EPA TO-10A	
11-PUF Lvl 4 Jury Pool 446 @Window	22C1390-27	Indoor air	Lvl 4 Jury Pool 446 @ window	-	
				EPA TO-10A	

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

TRC Environmental Corporation - Woburn, MA
300 Wildwood Ave
Woburn, MA 01801
ATTN: Ann Eckmann

REPORT DATE: 4/19/2022

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 479550

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22C1390

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

PROJECT LOCATION: 50 State St., Springfield, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
11-Filter Lvl 4 Jury Pool 446 @Window	22C1390-28	Indoor air	Lvl 4 Jury Pool 446 @ window	EPA TO-10A	
08-PUF Lvl 4 Reg. of Probate 434	22C1390-29	Indoor air	Lvl 4 Reg. of Probate 434	-	
				EPA TO-10A	
08-Filter Lvl 4 Reg. of Probate 434	22C1390-30	Indoor air	Lvl 4 Reg. of Probate 434	EPA TO-10A	
09-PUF Lvl 4 Probate Court 4	22C1390-31	Indoor air	Lvl 4 Probate Court 4	-	
				EPA TO-10A	
09-Filter Lvl 4 Probate Court 4	22C1390-32	Indoor air	Lvl 4 Probate Court 4	EPA TO-10A	
10-PUF Lvl 4 Corridor outside 422	22C1390-33	Indoor air	Lvl 4 Corridor outside 422	-	
				EPA TO-10A	
10-Filter Lvl 4 Corridor outside 422	22C1390-34	Indoor air	Lvl 4 Corridor outside 422	EPA TO-10A	
17-PUF Lvl 4 Reg. of Deeds 450	22C1390-35	Indoor air	Lvl 4 Reg. of Deeds 450	-	
				EPA TO-10A	
17-Filter Lvl 4 Reg. of Deeds 450	22C1390-36	Indoor air	Lvl 4 Reg. of Deeds 450	EPA TO-10A	
16-PUF Lvl 4 Reg. of Deeds 400 Outside 403	22C1390-37	Indoor air	Lvl 4 Reg. of Deeds outside 403	-	
				EPA TO-10A	
16-Filter Lvl 4 Reg. of Deeds 400 Outside 403	22C1390-38	Indoor air	Lvl 4 Reg. of Deeds outside 403	EPA TO-10A	
21-PUF FIELD BLANK	22C1390-39	Indoor air	Field Blank	-	
				EPA TO-10A	
21-Filter FIELD BLANK	22C1390-40	Indoor air	Field Blank	EPA TO-10A	
12-PUF Lvl 3 Records Rm (332)	22C1390-41	Indoor air	Lvl 3 Records Rm (332)	-	
				EPA TO-10A	
12-FIlter Lvl 3 Records Rm (332)	22C1390-42	Indoor air	Lvl 3 Records Rm (332)	EPA TO-10A	

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 04/15/22 - Report reissued to include BS/BSD data from batch B303790 TO-10A PCBs.
REVISED REPORT 4/16/22- Sample volumes corrected per client request

EPA TO-10A

Qualifications:

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Aroclor-1016
B304107-BSD1

R-05

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

Analyte & Samples(s) Qualified:

Aroclor-1260
B304107-BLK1, B304107-BS1, B304107-BSD1

Aroclor-1260 [2C]
B304107-BLK1, B304107-BS1, B304107-BSD1

S-20

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

Analyte & Samples(s) Qualified:

Decachlorobiphenyl
22C1390-23[14-PUF Lvl 3 Attorney's Lounge], 22C1390-37[16-PUF Lvl 4 Reg. of Deeds 400 Outside 403]

Decachlorobiphenyl [2C]
22C1390-23[14-PUF Lvl 3 Attorney's Lounge], 22C1390-37[16-PUF Lvl 4 Reg. of Deeds 400 Outside 403]

Tetrachloro-m-xylene
22C1390-23[14-PUF Lvl 3 Attorney's Lounge], 22C1390-37[16-PUF Lvl 4 Reg. of Deeds 400 Outside 403], 22C1390-39[21-PUF FIELD BLANK], B304107-BSD1

Tetrachloro-m-xylene [2C]
22C1390-23[14-PUF Lvl 3 Attorney's Lounge], 22C1390-37[16-PUF Lvl 4 Reg. of Deeds 400 Outside 403], 22C1390-39[21-PUF FIELD BLANK], B304107-BSD1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace 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

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A Pace Analytical® Laboratory

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

ANALYTICAL RESULTS

Project Location: 50 State St., Springfield, MA
Date Received: 3/21/2022
Field Sample #: 02-PUF Plaza District Court 2 (back)
Sample ID: 22C1390-01
Sample Matrix: Indoor air
Sampled: 3/18/2022 00:00

Sample Description/Location: Plaza District Court 2 (back)
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 2227

Work Order: 22C1390

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.018	1	3/30/22 17:31	JMB
Aroclor-1221 [1]	ND	0.040		ND	0.018	1	3/30/22 17:31	JMB
Aroclor-1232 [1]	ND	0.040		ND	0.018	1	3/30/22 17:31	JMB
Aroclor-1242 [1]	ND	0.040		ND	0.018	1	3/30/22 17:31	JMB
Aroclor-1248 [1]	ND	0.040		ND	0.018	1	3/30/22 17:31	JMB
Aroclor-1254 [1]	ND	0.040		ND	0.018	1	3/30/22 17:31	JMB
Aroclor-1260 [1]	ND	0.040		ND	0.018	1	3/30/22 17:31	JMB
Aroclor-1262 [1]	ND	0.040		ND	0.018	1	3/30/22 17:31	JMB
Aroclor-1268 [1]	ND	0.040		ND	0.018	1	3/30/22 17:31	JMB

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	102	60-120	3/30/22 17:31
Decachlorobiphenyl [2]	91.0	60-120	3/30/22 17:31
Tetrachloro-m-xylene [1]	99.4	60-120	3/30/22 17:31
Tetrachloro-m-xylene [2]	69.7	60-120	3/30/22 17:31

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ANALYTICAL RESULTS

Project Location: 50 State St., Springfield, MA
Date Received: 3/21/2022
Field Sample #: 02-Filter Plaza District Court 2 (back)
Sample ID: 22C1390-02
Sample Matrix: Indoor air
Sampled: 3/18/2022 00:00

Sample Description/Location: Plaza District Court 2 (back)
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 2227

Work Order: 22C1390

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.018	1	3/30/22 17:49	JMB
Aroclor-1221 [1]	ND	0.040		ND	0.018	1	3/30/22 17:49	JMB
Aroclor-1232 [1]	ND	0.040		ND	0.018	1	3/30/22 17:49	JMB
Aroclor-1242 [1]	ND	0.040		ND	0.018	1	3/30/22 17:49	JMB
Aroclor-1248 [1]	ND	0.040		ND	0.018	1	3/30/22 17:49	JMB
Aroclor-1254 [1]	ND	0.040		ND	0.018	1	3/30/22 17:49	JMB
Aroclor-1260 [1]	ND	0.040		ND	0.018	1	3/30/22 17:49	JMB
Aroclor-1262 [1]	ND	0.040		ND	0.018	1	3/30/22 17:49	JMB
Aroclor-1268 [1]	ND	0.040		ND	0.018	1	3/30/22 17:49	JMB

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	104	60-120	3/30/22 17:49
Decachlorobiphenyl [2]	91.9	60-120	3/30/22 17:49
Tetrachloro-m-xylene [1]	101	60-120	3/30/22 17:49
Tetrachloro-m-xylene [2]	70.5	60-120	3/30/22 17:49

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ANALYTICAL RESULTS

Project Location: 50 State St., Springfield, MA
Date Received: 3/21/2022
Field Sample #: 04-PUF Plaza Emplyee Lounge 168
Sample ID: 22C1390-03
Sample Matrix: Indoor air
Sampled: 3/18/2022 00:00

Sample Description/Location: Plaza Employee Lounge 168
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 2280

Work Order: 22C1390

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.018	1	3/30/22 18:06	JMB
Aroclor-1221 [1]	ND	0.040		ND	0.018	1	3/30/22 18:06	JMB
Aroclor-1232 [1]	ND	0.040		ND	0.018	1	3/30/22 18:06	JMB
Aroclor-1242 [1]	ND	0.040		ND	0.018	1	3/30/22 18:06	JMB
Aroclor-1248 [1]	ND	0.040		ND	0.018	1	3/30/22 18:06	JMB
Aroclor-1254 [1]	ND	0.040		ND	0.018	1	3/30/22 18:06	JMB
Aroclor-1260 [1]	ND	0.040		ND	0.018	1	3/30/22 18:06	JMB
Aroclor-1262 [1]	ND	0.040		ND	0.018	1	3/30/22 18:06	JMB
Aroclor-1268 [1]	ND	0.040		ND	0.018	1	3/30/22 18:06	JMB

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	102	60-120	3/30/22 18:06
Decachlorobiphenyl [2]	91.7	60-120	3/30/22 18:06
Tetrachloro-m-xylene [1]	98.6	60-120	3/30/22 18:06
Tetrachloro-m-xylene [2]	70.2	60-120	3/30/22 18:06

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ANALYTICAL RESULTS

Project Location: 50 State St., Springfield, MA
Date Received: 3/21/2022
Field Sample #: 04-Filter Plaza Emplyee Lounge 168
Sample ID: 22C1390-04
Sample Matrix: Indoor air
Sampled: 3/18/2022 00:00

Sample Description/Location: Plaza Employee Lounge 168
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 2280

Work Order: 22C1390

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.018	1	3/30/22 18:24	JMB
Aroclor-1221 [1]	ND	0.040		ND	0.018	1	3/30/22 18:24	JMB
Aroclor-1232 [1]	ND	0.040		ND	0.018	1	3/30/22 18:24	JMB
Aroclor-1242 [1]	ND	0.040		ND	0.018	1	3/30/22 18:24	JMB
Aroclor-1248 [1]	ND	0.040		ND	0.018	1	3/30/22 18:24	JMB
Aroclor-1254 [1]	ND	0.040		ND	0.018	1	3/30/22 18:24	JMB
Aroclor-1260 [1]	ND	0.040		ND	0.018	1	3/30/22 18:24	JMB
Aroclor-1262 [1]	ND	0.040		ND	0.018	1	3/30/22 18:24	JMB
Aroclor-1268 [1]	ND	0.040		ND	0.018	1	3/30/22 18:24	JMB

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	102	60-120	3/30/22 18:24
Decachlorobiphenyl [2]	91.8	60-120	3/30/22 18:24
Tetrachloro-m-xylene [1]	99.3	60-120	3/30/22 18:24
Tetrachloro-m-xylene [2]	69.6	60-120	3/30/22 18:24

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ANALYTICAL RESULTS

Project Location: 50 State St., Springfield, MA
Date Received: 3/21/2022
Field Sample #: 03 PUF Plaza District Ct Probation 167
Sample ID: 22C1390-05
Sample Matrix: Indoor air
Sampled: 3/18/2022 00:00

Sample Description/Location: Plaza District Ct Probation 167
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 2235

Work Order: 22C1390

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.018	1	3/30/22 18:41	JMB
Aroclor-1221 [1]	ND	0.040		ND	0.018	1	3/30/22 18:41	JMB
Aroclor-1232 [1]	ND	0.040		ND	0.018	1	3/30/22 18:41	JMB
Aroclor-1242 [1]	ND	0.040		ND	0.018	1	3/30/22 18:41	JMB
Aroclor-1248 [1]	ND	0.040		ND	0.018	1	3/30/22 18:41	JMB
Aroclor-1254 [1]	ND	0.040		ND	0.018	1	3/30/22 18:41	JMB
Aroclor-1260 [1]	ND	0.040		ND	0.018	1	3/30/22 18:41	JMB
Aroclor-1262 [1]	ND	0.040		ND	0.018	1	3/30/22 18:41	JMB
Aroclor-1268 [1]	ND	0.040		ND	0.018	1	3/30/22 18:41	JMB

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	113	60-120	3/30/22 18:41
Decachlorobiphenyl [2]	101	60-120	3/30/22 18:41
Tetrachloro-m-xylene [1]	105	60-120	3/30/22 18:41
Tetrachloro-m-xylene [2]	70.0	60-120	3/30/22 18:41

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ANALYTICAL RESULTS

Project Location: 50 State St., Springfield, MA
Date Received: 3/21/2022
Field Sample #: 03-Filter Plaza District Ct Probation 167
Sample ID: 22C1390-06
Sample Matrix: Indoor air
Sampled: 3/18/2022 00:00

Sample Description/Location: Plaza District Ct Probation 167
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 2235

Work Order: 22C1390

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.018	1	3/30/22 18:59	JMB
Aroclor-1221 [1]	ND	0.040		ND	0.018	1	3/30/22 18:59	JMB
Aroclor-1232 [1]	ND	0.040		ND	0.018	1	3/30/22 18:59	JMB
Aroclor-1242 [1]	ND	0.040		ND	0.018	1	3/30/22 18:59	JMB
Aroclor-1248 [1]	ND	0.040		ND	0.018	1	3/30/22 18:59	JMB
Aroclor-1254 [1]	ND	0.040		ND	0.018	1	3/30/22 18:59	JMB
Aroclor-1260 [1]	ND	0.040		ND	0.018	1	3/30/22 18:59	JMB
Aroclor-1262 [1]	ND	0.040		ND	0.018	1	3/30/22 18:59	JMB
Aroclor-1268 [1]	ND	0.040		ND	0.018	1	3/30/22 18:59	JMB

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	102	60-120	3/30/22 18:59
Decachlorobiphenyl [2]	93.2	60-120	3/30/22 18:59
Tetrachloro-m-xylene [1]	99.2	60-120	3/30/22 18:59
Tetrachloro-m-xylene [2]	68.9	60-120	3/30/22 18:59

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ANALYTICAL RESULTS

Project Location: 50 State St., Springfield, MA
Date Received: 3/21/2022
Field Sample #: 19-PUF Garage Lvl G55
Sample ID: 22C1390-07
Sample Matrix: Indoor air
Sampled: 3/18/2022 00:00

Sample Description/Location: Garage Lvl G55
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 2228

Work Order: 22C1390

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.018	1	3/30/22 20:21	JMB
Aroclor-1221 [1]	ND	0.040		ND	0.018	1	3/30/22 20:21	JMB
Aroclor-1232 [1]	ND	0.040		ND	0.018	1	3/30/22 20:21	JMB
Aroclor-1242 [1]	ND	0.040		ND	0.018	1	3/30/22 20:21	JMB
Aroclor-1248 [1]	ND	0.040		ND	0.018	1	3/30/22 20:21	JMB
Aroclor-1254 [1]	ND	0.040		ND	0.018	1	3/30/22 20:21	JMB
Aroclor-1260 [1]	ND	0.040		ND	0.018	1	3/30/22 20:21	JMB
Aroclor-1262 [1]	ND	0.040		ND	0.018	1	3/30/22 20:21	JMB
Aroclor-1268 [1]	ND	0.040		ND	0.018	1	3/30/22 20:21	JMB

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	108	60-120	3/30/22 20:21
Decachlorobiphenyl [2]	98.3	60-120	3/30/22 20:21
Tetrachloro-m-xylene [1]	97.4	60-120	3/30/22 20:21
Tetrachloro-m-xylene [2]	69.5	60-120	3/30/22 20:21

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ANALYTICAL RESULTS

Project Location: 50 State St., Springfield, MA
Date Received: 3/21/2022
Field Sample #: 19-Filter Garage Lvl G55
Sample ID: 22C1390-08
Sample Matrix: Indoor air
Sampled: 3/18/2022 00:00

Sample Description/Location: Garage Lvl G55
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 2228

Work Order: 22C1390

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.018	1	3/30/22 20:39	JMB
Aroclor-1221 [1]	ND	0.040		ND	0.018	1	3/30/22 20:39	JMB
Aroclor-1232 [1]	ND	0.040		ND	0.018	1	3/30/22 20:39	JMB
Aroclor-1242 [1]	ND	0.040		ND	0.018	1	3/30/22 20:39	JMB
Aroclor-1248 [1]	ND	0.040		ND	0.018	1	3/30/22 20:39	JMB
Aroclor-1254 [1]	ND	0.040		ND	0.018	1	3/30/22 20:39	JMB
Aroclor-1260 [1]	ND	0.040		ND	0.018	1	3/30/22 20:39	JMB
Aroclor-1262 [1]	ND	0.040		ND	0.018	1	3/30/22 20:39	JMB
Aroclor-1268 [1]	ND	0.040		ND	0.018	1	3/30/22 20:39	JMB

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	106	60-120	3/30/22 20:39
Decachlorobiphenyl [2]	94.8	60-120	3/30/22 20:39
Tetrachloro-m-xylene [1]	99.6	60-120	3/30/22 20:39
Tetrachloro-m-xylene [2]	70.1	60-120	3/30/22 20:39

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ANALYTICAL RESULTS

Project Location: 50 State St., Springfield, MA
Date Received: 3/21/2022
Field Sample #: 01-PUF Garage Lvl G06
Sample ID: 22C1390-09
Sample Matrix: Indoor air
Sampled: 3/18/2022 00:00

Sample Description/Location: Garage Lvl G06
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 2218

Work Order: 22C1390

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.018	1	3/30/22 20:56	JMB
Aroclor-1221 [1]	ND	0.040		ND	0.018	1	3/30/22 20:56	JMB
Aroclor-1232 [1]	ND	0.040		ND	0.018	1	3/30/22 20:56	JMB
Aroclor-1242 [1]	ND	0.040		ND	0.018	1	3/30/22 20:56	JMB
Aroclor-1248 [1]	ND	0.040		ND	0.018	1	3/30/22 20:56	JMB
Aroclor-1254 [1]	ND	0.040		ND	0.018	1	3/30/22 20:56	JMB
Aroclor-1260 [1]	ND	0.040		ND	0.018	1	3/30/22 20:56	JMB
Aroclor-1262 [1]	ND	0.040		ND	0.018	1	3/30/22 20:56	JMB
Aroclor-1268 [1]	ND	0.040		ND	0.018	1	3/30/22 20:56	JMB

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	110	60-120	3/30/22 20:56
Decachlorobiphenyl [2]	99.5	60-120	3/30/22 20:56
Tetrachloro-m-xylene [1]	101	60-120	3/30/22 20:56
Tetrachloro-m-xylene [2]	71.5	60-120	3/30/22 20:56

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ANALYTICAL RESULTS

Project Location: 50 State St., Springfield, MA
Date Received: 3/21/2022
Field Sample #: 01-Filter Garage Lvl G06
Sample ID: 22C1390-10
Sample Matrix: Indoor air
Sampled: 3/18/2022 00:00

Sample Description/Location: Garage Lvl G06
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 2218

Work Order: 22C1390

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.018	1	3/30/22 21:14	JMB
Aroclor-1221 [1]	ND	0.040		ND	0.018	1	3/30/22 21:14	JMB
Aroclor-1232 [1]	ND	0.040		ND	0.018	1	3/30/22 21:14	JMB
Aroclor-1242 [1]	ND	0.040		ND	0.018	1	3/30/22 21:14	JMB
Aroclor-1248 [1]	ND	0.040		ND	0.018	1	3/30/22 21:14	JMB
Aroclor-1254 [1]	ND	0.040		ND	0.018	1	3/30/22 21:14	JMB
Aroclor-1260 [1]	ND	0.040		ND	0.018	1	3/30/22 21:14	JMB
Aroclor-1262 [1]	ND	0.040		ND	0.018	1	3/30/22 21:14	JMB
Aroclor-1268 [1]	ND	0.040		ND	0.018	1	3/30/22 21:14	JMB

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	101	60-120	3/30/22 21:14
Decachlorobiphenyl [2]	93.2	60-120	3/30/22 21:14
Tetrachloro-m-xylene [1]	94.4	60-120	3/30/22 21:14
Tetrachloro-m-xylene [2]	67.8	60-120	3/30/22 21:14

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ANALYTICAL RESULTS

Project Location: 50 State St., Springfield, MA
Date Received: 3/21/2022
Field Sample #: 05-PUF Lvl 2 249
Sample ID: 22C1390-11
Sample Matrix: Indoor air
Sampled: 3/18/2022 00:00

Sample Description/Location: Lvl 2 249
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 2300

Work Order: 22C1390

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.017	1	3/30/22 21:31	JMB
Aroclor-1221 [1]	ND	0.040		ND	0.017	1	3/30/22 21:31	JMB
Aroclor-1232 [1]	ND	0.040		ND	0.017	1	3/30/22 21:31	JMB
Aroclor-1242 [1]	ND	0.040		ND	0.017	1	3/30/22 21:31	JMB
Aroclor-1248 [1]	ND	0.040		ND	0.017	1	3/30/22 21:31	JMB
Aroclor-1254 [2]	0.046	0.040		0.020	0.017	1	3/30/22 21:31	JMB
Aroclor-1260 [1]	ND	0.040		ND	0.017	1	3/30/22 21:31	JMB
Aroclor-1262 [1]	ND	0.040		ND	0.017	1	3/30/22 21:31	JMB
Aroclor-1268 [1]	ND	0.040		ND	0.017	1	3/30/22 21:31	JMB

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	109	60-120	3/30/22 21:31
Decachlorobiphenyl [2]	98.8	60-120	3/30/22 21:31
Tetrachloro-m-xylene [1]	116	60-120	3/30/22 21:31
Tetrachloro-m-xylene [2]	76.3	60-120	3/30/22 21:31

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ANALYTICAL RESULTS

Project Location: 50 State St., Springfield, MA
Date Received: 3/21/2022
Field Sample #: 05-Filter Lvl 2 249
Sample ID: 22C1390-12
Sample Matrix: Indoor air
Sampled: 3/18/2022 00:00

Sample Description/Location: Lvl 2 249
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 2300

Work Order: 22C1390

EPA TO-10A

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.017	1	3/30/22 21:49	JMB
Aroclor-1221 [1]	ND	0.040		ND	0.017	1	3/30/22 21:49	JMB
Aroclor-1232 [1]	ND	0.040		ND	0.017	1	3/30/22 21:49	JMB
Aroclor-1242 [1]	ND	0.040		ND	0.017	1	3/30/22 21:49	JMB
Aroclor-1248 [1]	ND	0.040		ND	0.017	1	3/30/22 21:49	JMB
Aroclor-1254 [1]	ND	0.040		ND	0.017	1	3/30/22 21:49	JMB
Aroclor-1260 [1]	ND	0.040		ND	0.017	1	3/30/22 21:49	JMB
Aroclor-1262 [1]	ND	0.040		ND	0.017	1	3/30/22 21:49	JMB
Aroclor-1268 [1]	ND	0.040		ND	0.017	1	3/30/22 21:49	JMB

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	108	60-120	3/30/22 21:49
Decachlorobiphenyl [2]	98.1	60-120	3/30/22 21:49
Tetrachloro-m-xylene [1]	103	60-120	3/30/22 21:49
Tetrachloro-m-xylene [2]	70.9	60-120	3/30/22 21:49

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ANALYTICAL RESULTS

Project Location: 50 State St., Springfield, MA
Date Received: 3/21/2022
Field Sample #: 07-PUF Lvl 2 District Court 3
Sample ID: 22C1390-13
Sample Matrix: Indoor air
Sampled: 3/18/2022 00:00

Sample Description/Location: Lvl 2 District Court 3
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 2271

Work Order: 22C1390

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.018	1	3/30/22 22:06	JMB
Aroclor-1221 [1]	ND	0.040		ND	0.018	1	3/30/22 22:06	JMB
Aroclor-1232 [1]	ND	0.040		ND	0.018	1	3/30/22 22:06	JMB
Aroclor-1242 [1]	ND	0.040		ND	0.018	1	3/30/22 22:06	JMB
Aroclor-1248 [1]	ND	0.040		ND	0.018	1	3/30/22 22:06	JMB
Aroclor-1254 [1]	ND	0.040		ND	0.018	1	3/30/22 22:06	JMB
Aroclor-1260 [1]	ND	0.040		ND	0.018	1	3/30/22 22:06	JMB
Aroclor-1262 [1]	ND	0.040		ND	0.018	1	3/30/22 22:06	JMB
Aroclor-1268 [1]	ND	0.040		ND	0.018	1	3/30/22 22:06	JMB

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	107	60-120	3/30/22 22:06
Decachlorobiphenyl [2]	98.1	60-120	3/30/22 22:06
Tetrachloro-m-xylene [1]	103	60-120	3/30/22 22:06
Tetrachloro-m-xylene [2]	72.2	60-120	3/30/22 22:06

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ANALYTICAL RESULTS

Project Location: 50 State St., Springfield, MA
Date Received: 3/21/2022
Field Sample #: 07-Filter Lvl 2 District Court 3
Sample ID: 22C1390-14
Sample Matrix: Indoor air
Sampled: 3/18/2022 00:00

Sample Description/Location: Lvl 2 District Court 3
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 2271

Work Order: 22C1390

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.018	1	3/30/22 22:23	JMB
Aroclor-1221 [1]	ND	0.040		ND	0.018	1	3/30/22 22:23	JMB
Aroclor-1232 [1]	ND	0.040		ND	0.018	1	3/30/22 22:23	JMB
Aroclor-1242 [1]	ND	0.040		ND	0.018	1	3/30/22 22:23	JMB
Aroclor-1248 [1]	ND	0.040		ND	0.018	1	3/30/22 22:23	JMB
Aroclor-1254 [1]	ND	0.040		ND	0.018	1	3/30/22 22:23	JMB
Aroclor-1260 [1]	ND	0.040		ND	0.018	1	3/30/22 22:23	JMB
Aroclor-1262 [1]	ND	0.040		ND	0.018	1	3/30/22 22:23	JMB
Aroclor-1268 [1]	ND	0.040		ND	0.018	1	3/30/22 22:23	JMB

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	112	60-120	3/30/22 22:23
Decachlorobiphenyl [2]	99.9	60-120	3/30/22 22:23
Tetrachloro-m-xylene [1]	110	60-120	3/30/22 22:23
Tetrachloro-m-xylene [2]	74.6	60-120	3/30/22 22:23

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ANALYTICAL RESULTS

Project Location: 50 State St., Springfield, MA
Date Received: 3/21/2022
Field Sample #: 06-PUF Lvl 2 204A
Sample ID: 22C1390-15
Sample Matrix: Indoor air
Sampled: 3/18/2022 00:00

Sample Description/Location: Lvl 2 204A
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 2264

Work Order: 22C1390

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.018	1	3/30/22 22:41	JMB
Aroclor-1221 [1]	ND	0.040		ND	0.018	1	3/30/22 22:41	JMB
Aroclor-1232 [1]	ND	0.040		ND	0.018	1	3/30/22 22:41	JMB
Aroclor-1242 [1]	ND	0.040		ND	0.018	1	3/30/22 22:41	JMB
Aroclor-1248 [1]	ND	0.040		ND	0.018	1	3/30/22 22:41	JMB
Aroclor-1254 [1]	ND	0.040		ND	0.018	1	3/30/22 22:41	JMB
Aroclor-1260 [1]	ND	0.040		ND	0.018	1	3/30/22 22:41	JMB
Aroclor-1262 [1]	ND	0.040		ND	0.018	1	3/30/22 22:41	JMB
Aroclor-1268 [1]	ND	0.040		ND	0.018	1	3/30/22 22:41	JMB

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	119	60-120	3/30/22 22:41
Decachlorobiphenyl [2]	105	60-120	3/30/22 22:41
Tetrachloro-m-xylene [1]	115	60-120	3/30/22 22:41
Tetrachloro-m-xylene [2]	76.4	60-120	3/30/22 22:41

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ANALYTICAL RESULTS

Project Location: 50 State St., Springfield, MA
Date Received: 3/21/2022
Field Sample #: 06-Filter Lvl 2 204A
Sample ID: 22C1390-16
Sample Matrix: Indoor air
Sampled: 3/18/2022 00:00

Sample Description/Location: Lvl 2 204A
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 2264

Work Order: 22C1390

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.018	1	3/30/22 22:58	JMB
Aroclor-1221 [1]	ND	0.040		ND	0.018	1	3/30/22 22:58	JMB
Aroclor-1232 [1]	ND	0.040		ND	0.018	1	3/30/22 22:58	JMB
Aroclor-1242 [1]	ND	0.040		ND	0.018	1	3/30/22 22:58	JMB
Aroclor-1248 [1]	ND	0.040		ND	0.018	1	3/30/22 22:58	JMB
Aroclor-1254 [1]	ND	0.040		ND	0.018	1	3/30/22 22:58	JMB
Aroclor-1260 [1]	ND	0.040		ND	0.018	1	3/30/22 22:58	JMB
Aroclor-1262 [1]	ND	0.040		ND	0.018	1	3/30/22 22:58	JMB
Aroclor-1268 [1]	ND	0.040		ND	0.018	1	3/30/22 22:58	JMB

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	112	60-120	3/30/22 22:58
Decachlorobiphenyl [2]	100	60-120	3/30/22 22:58
Tetrachloro-m-xylene [1]	108	60-120	3/30/22 22:58
Tetrachloro-m-xylene [2]	72.5	60-120	3/30/22 22:58

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ANALYTICAL RESULTS

Project Location: 50 State St., Springfield, MA
Date Received: 3/21/2022
Field Sample #: 18-PUF Lvl 3 Law Library
Sample ID: 22C1390-17
Sample Matrix: Indoor air
Sampled: 3/18/2022 00:00

Sample Description/Location: Lvl 3 Law Library
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 2334

Work Order: 22C1390

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.017	1	4/1/22 13:27	JEA
Aroclor-1221 [1]	ND	0.040		ND	0.017	1	4/1/22 13:27	JEA
Aroclor-1232 [1]	ND	0.040		ND	0.017	1	4/1/22 13:27	JEA
Aroclor-1242 [2]	0.14	0.040		0.060	0.017	1	4/1/22 13:27	JEA
Aroclor-1248 [1]	ND	0.040		ND	0.017	1	4/1/22 13:27	JEA
Aroclor-1254 [1]	ND	0.040		ND	0.017	1	4/1/22 13:27	JEA
Aroclor-1260 [1]	ND	0.040		ND	0.017	1	4/1/22 13:27	JEA
Aroclor-1262 [1]	ND	0.040		ND	0.017	1	4/1/22 13:27	JEA
Aroclor-1268 [1]	ND	0.040		ND	0.017	1	4/1/22 13:27	JEA

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	86.9	60-120	4/1/22 13:27
Decachlorobiphenyl [2]	93.2	60-120	4/1/22 13:27
Tetrachloro-m-xylene [1]	77.7	60-120	4/1/22 13:27
Tetrachloro-m-xylene [2]	78.7	60-120	4/1/22 13:27

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ANALYTICAL RESULTS

Project Location: 50 State St., Springfield, MA
Date Received: 3/21/2022
Field Sample #: 18-Filter Lvl 3 Law Library
Sample ID: 22C1390-18
Sample Matrix: Indoor air
Sampled: 3/18/2022 00:00

Sample Description/Location: Lvl 3 Law Library
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 2334

Work Order: 22C1390

EPA TO-10A

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.017	1	4/1/22 13:40	JEA
Aroclor-1221 [1]	ND	0.040		ND	0.017	1	4/1/22 13:40	JEA
Aroclor-1232 [1]	ND	0.040		ND	0.017	1	4/1/22 13:40	JEA
Aroclor-1242 [1]	ND	0.040		ND	0.017	1	4/1/22 13:40	JEA
Aroclor-1248 [1]	ND	0.040		ND	0.017	1	4/1/22 13:40	JEA
Aroclor-1254 [1]	ND	0.040		ND	0.017	1	4/1/22 13:40	JEA
Aroclor-1260 [1]	ND	0.040		ND	0.017	1	4/1/22 13:40	JEA
Aroclor-1262 [1]	ND	0.040		ND	0.017	1	4/1/22 13:40	JEA
Aroclor-1268 [1]	ND	0.040		ND	0.017	1	4/1/22 13:40	JEA

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	84.0	60-120	4/1/22 13:40
Decachlorobiphenyl [2]	90.0	60-120	4/1/22 13:40
Tetrachloro-m-xylene [1]	76.2	60-120	4/1/22 13:40
Tetrachloro-m-xylene [2]	77.4	60-120	4/1/22 13:40

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ANALYTICAL RESULTS

Project Location: 50 State St., Springfield, MA
Date Received: 3/21/2022
Field Sample #: 13-PUF Lvl 3 Superior Court 3
Sample ID: 22C1390-19
Sample Matrix: Indoor air
Sampled: 3/18/2022 00:00

Sample Description/Location: Lvl 3 Superior Court 3
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 2321

Work Order: 22C1390

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.017	1	4/1/22 13:52	JEA
Aroclor-1221 [1]	ND	0.040		ND	0.017	1	4/1/22 13:52	JEA
Aroclor-1232 [1]	ND	0.040		ND	0.017	1	4/1/22 13:52	JEA
Aroclor-1242 [1]	ND	0.040		ND	0.017	1	4/1/22 13:52	JEA
Aroclor-1248 [1]	ND	0.040		ND	0.017	1	4/1/22 13:52	JEA
Aroclor-1254 [1]	ND	0.040		ND	0.017	1	4/1/22 13:52	JEA
Aroclor-1260 [1]	ND	0.040		ND	0.017	1	4/1/22 13:52	JEA
Aroclor-1262 [1]	ND	0.040		ND	0.017	1	4/1/22 13:52	JEA
Aroclor-1268 [1]	ND	0.040		ND	0.017	1	4/1/22 13:52	JEA

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	85.8	60-120	4/1/22 13:52
Decachlorobiphenyl [2]	91.8	60-120	4/1/22 13:52
Tetrachloro-m-xylene [1]	78.8	60-120	4/1/22 13:52
Tetrachloro-m-xylene [2]	79.9	60-120	4/1/22 13:52

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ANALYTICAL RESULTS

Project Location: 50 State St., Springfield, MA
Date Received: 3/21/2022
Field Sample #: 13-Filter Lvl 3 Superior Court 3
Sample ID: 22C1390-20
Sample Matrix: Indoor air
Sampled: 3/18/2022 00:00

Sample Description/Location: Lvl 3 Superior Court 3
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 2321

Work Order: 22C1390

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.017	1	4/1/22 14:05	JEA
Aroclor-1221 [1]	ND	0.040		ND	0.017	1	4/1/22 14:05	JEA
Aroclor-1232 [1]	ND	0.040		ND	0.017	1	4/1/22 14:05	JEA
Aroclor-1242 [1]	ND	0.040		ND	0.017	1	4/1/22 14:05	JEA
Aroclor-1248 [1]	ND	0.040		ND	0.017	1	4/1/22 14:05	JEA
Aroclor-1254 [1]	ND	0.040		ND	0.017	1	4/1/22 14:05	JEA
Aroclor-1260 [1]	ND	0.040		ND	0.017	1	4/1/22 14:05	JEA
Aroclor-1262 [1]	ND	0.040		ND	0.017	1	4/1/22 14:05	JEA
Aroclor-1268 [1]	ND	0.040		ND	0.017	1	4/1/22 14:05	JEA

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	94.6	60-120	4/1/22 14:05
Decachlorobiphenyl [2]	101	60-120	4/1/22 14:05
Tetrachloro-m-xylene [1]	84.1	60-120	4/1/22 14:05
Tetrachloro-m-xylene [2]	85.3	60-120	4/1/22 14:05

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ANALYTICAL RESULTS

Project Location: 50 State St., Springfield, MA
Date Received: 3/21/2022
Field Sample #: 15-PUF Lvl 3 Corridor near 323
Sample ID: 22C1390-21
Sample Matrix: Indoor air
Sampled: 3/18/2022 00:00

Sample Description/Location: Lvl 3 Corridor near 323
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 2308

Work Order: 22C1390

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.017	1	4/1/22 14:17	SFM
Aroclor-1221 [1]	ND	0.040		ND	0.017	1	4/1/22 14:17	SFM
Aroclor-1232 [1]	ND	0.040		ND	0.017	1	4/1/22 14:17	SFM
Aroclor-1242 [1]	ND	0.040		ND	0.017	1	4/1/22 14:17	SFM
Aroclor-1248 [1]	ND	0.040		ND	0.017	1	4/1/22 14:17	SFM
Aroclor-1254 [1]	ND	0.040		ND	0.017	1	4/1/22 14:17	SFM
Aroclor-1260 [1]	ND	0.040		ND	0.017	1	4/1/22 14:17	SFM
Aroclor-1262 [1]	ND	0.040		ND	0.017	1	4/1/22 14:17	SFM
Aroclor-1268 [1]	ND	0.040		ND	0.017	1	4/1/22 14:17	SFM

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	78.3	60-120	4/1/22 14:17
Decachlorobiphenyl [2]	84.6	60-120	4/1/22 14:17
Tetrachloro-m-xylene [1]	73.6	60-120	4/1/22 14:17
Tetrachloro-m-xylene [2]	74.7	60-120	4/1/22 14:17

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ANALYTICAL RESULTS

Project Location: 50 State St., Springfield, MA
Date Received: 3/21/2022
Field Sample #: 15-Filter Lvl 3 Corridor near 323
Sample ID: 22C1390-22
Sample Matrix: Indoor air
Sampled: 3/18/2022 00:00

Sample Description/Location: Lvl 3 Corridor near 323
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 2308

Work Order: 22C1390

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.017	1	4/1/22 14:30	JEA
Aroclor-1221 [1]	ND	0.040		ND	0.017	1	4/1/22 14:30	JEA
Aroclor-1232 [1]	ND	0.040		ND	0.017	1	4/1/22 14:30	JEA
Aroclor-1242 [1]	ND	0.040		ND	0.017	1	4/1/22 14:30	JEA
Aroclor-1248 [1]	ND	0.040		ND	0.017	1	4/1/22 14:30	JEA
Aroclor-1254 [1]	ND	0.040		ND	0.017	1	4/1/22 14:30	JEA
Aroclor-1260 [1]	ND	0.040		ND	0.017	1	4/1/22 14:30	JEA
Aroclor-1262 [1]	ND	0.040		ND	0.017	1	4/1/22 14:30	JEA
Aroclor-1268 [1]	ND	0.040		ND	0.017	1	4/1/22 14:30	JEA

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	85.3	60-120	4/1/22 14:30
Decachlorobiphenyl [2]	91.6	60-120	4/1/22 14:30
Tetrachloro-m-xylene [1]	76.3	60-120	4/1/22 14:30
Tetrachloro-m-xylene [2]	77.2	60-120	4/1/22 14:30

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ANALYTICAL RESULTS

Project Location: 50 State St., Springfield, MA
Date Received: 3/21/2022
Field Sample #: 14-PUF Lvl 3 Attorney's Lounge
Sample ID: 22C1390-23
Sample Matrix: Indoor air
Sampled: 3/18/2022 00:00

Sample Description/Location: Lvl 3 Attorney's Lounge
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 2198

Work Order: 22C1390

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.018	1	4/1/22 14:42	JEA
Aroclor-1221 [1]	ND	0.040		ND	0.018	1	4/1/22 14:42	JEA
Aroclor-1232 [1]	ND	0.040		ND	0.018	1	4/1/22 14:42	JEA
Aroclor-1242 [1]	ND	0.040		ND	0.018	1	4/1/22 14:42	JEA
Aroclor-1248 [1]	ND	0.040		ND	0.018	1	4/1/22 14:42	JEA
Aroclor-1254 [1]	ND	0.040		ND	0.018	1	4/1/22 14:42	JEA
Aroclor-1260 [1]	ND	0.040		ND	0.018	1	4/1/22 14:42	JEA
Aroclor-1262 [1]	ND	0.040		ND	0.018	1	4/1/22 14:42	JEA
Aroclor-1268 [1]	ND	0.040		ND	0.018	1	4/1/22 14:42	JEA

Surrogates	% Recovery		% REC Limits	
Decachlorobiphenyl [1]	37.6*	S-20	60-120	4/1/22 14:42
Decachlorobiphenyl [2]	40.6*	S-20	60-120	4/1/22 14:42
Tetrachloro-m-xylene [1]	36.0*	S-20	60-120	4/1/22 14:42
Tetrachloro-m-xylene [2]	36.6*	S-20	60-120	4/1/22 14:42

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ANALYTICAL RESULTS

Project Location: 50 State St., Springfield, MA
Date Received: 3/21/2022
Field Sample #: 14-Filter Lvl 3 Attorney's Lounge
Sample ID: 22C1390-24
Sample Matrix: Indoor air
Sampled: 3/18/2022 00:00

Sample Description/Location: Lvl 3 Attorney's Lounge
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 2198

Work Order: 22C1390

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.018	1	4/1/22 14:54	JEA
Aroclor-1221 [1]	ND	0.040		ND	0.018	1	4/1/22 14:54	JEA
Aroclor-1232 [1]	ND	0.040		ND	0.018	1	4/1/22 14:54	JEA
Aroclor-1242 [1]	ND	0.040		ND	0.018	1	4/1/22 14:54	JEA
Aroclor-1248 [1]	ND	0.040		ND	0.018	1	4/1/22 14:54	JEA
Aroclor-1254 [1]	ND	0.040		ND	0.018	1	4/1/22 14:54	JEA
Aroclor-1260 [1]	ND	0.040		ND	0.018	1	4/1/22 14:54	JEA
Aroclor-1262 [1]	ND	0.040		ND	0.018	1	4/1/22 14:54	JEA
Aroclor-1268 [1]	ND	0.040		ND	0.018	1	4/1/22 14:54	JEA

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	93.4	60-120	4/1/22 14:54
Decachlorobiphenyl [2]	99.9	60-120	4/1/22 14:54
Tetrachloro-m-xylene [1]	84.2	60-120	4/1/22 14:54
Tetrachloro-m-xylene [2]	85.6	60-120	4/1/22 14:54

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ANALYTICAL RESULTS

Project Location: 50 State St., Springfield, MA
Date Received: 3/21/2022
Field Sample #: 20-PUF Lvl 3 District Attorney 371
Sample ID: 22C1390-25
Sample Matrix: Indoor air
Sampled: 3/18/2022 00:00

Sample Description/Location: Lvl 3 District Attorney 371
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 2658

Work Order: 22C1390

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.015	1	4/1/22 15:07	SFM
Aroclor-1221 [1]	ND	0.040		ND	0.015	1	4/1/22 15:07	SFM
Aroclor-1232 [1]	ND	0.040		ND	0.015	1	4/1/22 15:07	SFM
Aroclor-1242 [1]	ND	0.040		ND	0.015	1	4/1/22 15:07	SFM
Aroclor-1248 [1]	ND	0.040		ND	0.015	1	4/1/22 15:07	SFM
Aroclor-1254 [1]	ND	0.040		ND	0.015	1	4/1/22 15:07	SFM
Aroclor-1260 [1]	ND	0.040		ND	0.015	1	4/1/22 15:07	SFM
Aroclor-1262 [1]	ND	0.040		ND	0.015	1	4/1/22 15:07	SFM
Aroclor-1268 [1]	ND	0.040		ND	0.015	1	4/1/22 15:07	SFM

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	83.1	60-120	4/1/22 15:07
Decachlorobiphenyl [2]	88.2	60-120	4/1/22 15:07
Tetrachloro-m-xylene [1]	77.8	60-120	4/1/22 15:07
Tetrachloro-m-xylene [2]	78.9	60-120	4/1/22 15:07

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ANALYTICAL RESULTS

Project Location: 50 State St., Springfield, MA
Date Received: 3/21/2022
Field Sample #: 20-Filter Lvl 3 District Attorney 371
Sample ID: 22C1390-26
Sample Matrix: Indoor air
Sampled: 3/18/2022 00:00

Sample Description/Location: Lvl 3 District Attorney 371
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 2658

Work Order: 22C1390

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.015	1	4/1/22 15:19	JEA
Aroclor-1221 [1]	ND	0.040		ND	0.015	1	4/1/22 15:19	JEA
Aroclor-1232 [1]	ND	0.040		ND	0.015	1	4/1/22 15:19	JEA
Aroclor-1242 [1]	ND	0.040		ND	0.015	1	4/1/22 15:19	JEA
Aroclor-1248 [1]	ND	0.040		ND	0.015	1	4/1/22 15:19	JEA
Aroclor-1254 [1]	ND	0.040		ND	0.015	1	4/1/22 15:19	JEA
Aroclor-1260 [1]	ND	0.040		ND	0.015	1	4/1/22 15:19	JEA
Aroclor-1262 [1]	ND	0.040		ND	0.015	1	4/1/22 15:19	JEA
Aroclor-1268 [1]	ND	0.040		ND	0.015	1	4/1/22 15:19	JEA

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	87.2	60-120	4/1/22 15:19
Decachlorobiphenyl [2]	93.3	60-120	4/1/22 15:19
Tetrachloro-m-xylene [1]	71.0	60-120	4/1/22 15:19
Tetrachloro-m-xylene [2]	72.0	60-120	4/1/22 15:19

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ANALYTICAL RESULTS

Project Location: 50 State St., Springfield, MA
Date Received: 3/21/2022
Field Sample #: 11-PUF Lvl 4 Jury Pool 446 @Window
Sample ID: 22C1390-27
Sample Matrix: Indoor air
Sampled: 3/18/2022 00:00

Sample Description/Location: Lvl 4 Jury Pool 446 @ window
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 2441

Work Order: 22C1390

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.016	1	4/1/22 16:27	SFM
Aroclor-1221 [1]	ND	0.040		ND	0.016	1	4/1/22 16:27	SFM
Aroclor-1232 [1]	ND	0.040		ND	0.016	1	4/1/22 16:27	SFM
Aroclor-1242 [1]	ND	0.040		ND	0.016	1	4/1/22 16:27	SFM
Aroclor-1248 [1]	ND	0.040		ND	0.016	1	4/1/22 16:27	SFM
Aroclor-1254 [1]	ND	0.040		ND	0.016	1	4/1/22 16:27	SFM
Aroclor-1260 [1]	ND	0.040		ND	0.016	1	4/1/22 16:27	SFM
Aroclor-1262 [1]	ND	0.040		ND	0.016	1	4/1/22 16:27	SFM
Aroclor-1268 [1]	ND	0.040		ND	0.016	1	4/1/22 16:27	SFM

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	88.2	60-120	4/1/22 16:27
Decachlorobiphenyl [2]	94.1	60-120	4/1/22 16:27
Tetrachloro-m-xylene [1]	75.5	60-120	4/1/22 16:27
Tetrachloro-m-xylene [2]	76.8	60-120	4/1/22 16:27

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ANALYTICAL RESULTS

Project Location: 50 State St., Springfield, MA
Date Received: 3/21/2022
Field Sample #: 11-Filter Lvl 4 Jury Pool 446 @Window
Sample ID: 22C1390-28
Sample Matrix: Indoor air
Sampled: 3/18/2022 00:00

Sample Description/Location: Lvl 4 Jury Pool 446 @ window
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 2441

Work Order: 22C1390

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.016	1	4/1/22 16:39	SFM
Aroclor-1221 [1]	ND	0.040		ND	0.016	1	4/1/22 16:39	SFM
Aroclor-1232 [1]	ND	0.040		ND	0.016	1	4/1/22 16:39	SFM
Aroclor-1242 [1]	ND	0.040		ND	0.016	1	4/1/22 16:39	SFM
Aroclor-1248 [1]	ND	0.040		ND	0.016	1	4/1/22 16:39	SFM
Aroclor-1254 [1]	ND	0.040		ND	0.016	1	4/1/22 16:39	SFM
Aroclor-1260 [1]	ND	0.040		ND	0.016	1	4/1/22 16:39	SFM
Aroclor-1262 [1]	ND	0.040		ND	0.016	1	4/1/22 16:39	SFM
Aroclor-1268 [1]	ND	0.040		ND	0.016	1	4/1/22 16:39	SFM

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	90.0	60-120	4/1/22 16:39
Decachlorobiphenyl [2]	95.5	60-120	4/1/22 16:39
Tetrachloro-m-xylene [1]	71.8	60-120	4/1/22 16:39
Tetrachloro-m-xylene [2]	72.9	60-120	4/1/22 16:39

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ANALYTICAL RESULTS

Project Location: 50 State St., Springfield, MA
Date Received: 3/21/2022
Field Sample #: 08-PUF Lvl 4 Reg. of Probate 434
Sample ID: 22C1390-29
Sample Matrix: Indoor air
Sampled: 3/18/2022 00:00

Sample Description/Location: Lvl 4 Reg. of Probate 434
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 2400

Work Order: 22C1390

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.017	1	4/1/22 16:51	SFM
Aroclor-1221 [1]	ND	0.040		ND	0.017	1	4/1/22 16:51	SFM
Aroclor-1232 [1]	ND	0.040		ND	0.017	1	4/1/22 16:51	SFM
Aroclor-1242 [2]	ND	0.040		ND	0.017	1	4/1/22 16:51	SFM
Aroclor-1248 [1]	ND	0.040		ND	0.017	1	4/1/22 16:51	SFM
Aroclor-1254 [1]	ND	0.040		ND	0.017	1	4/1/22 16:51	SFM
Aroclor-1260 [1]	ND	0.040		ND	0.017	1	4/1/22 16:51	SFM
Aroclor-1262 [1]	ND	0.040		ND	0.017	1	4/1/22 16:51	SFM
Aroclor-1268 [1]	ND	0.040		ND	0.017	1	4/1/22 16:51	SFM

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	75.0	60-120	4/1/22 16:51
Decachlorobiphenyl [2]	80.3	60-120	4/1/22 16:51
Tetrachloro-m-xylene [1]	75.1	60-120	4/1/22 16:51
Tetrachloro-m-xylene [2]	76.8	60-120	4/1/22 16:51

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ANALYTICAL RESULTS

Project Location: 50 State St., Springfield, MA
Date Received: 3/21/2022
Field Sample #: 08-Filter Lvl 4 Reg. of Probate 434
Sample ID: 22C1390-30
Sample Matrix: Indoor air
Sampled: 3/18/2022 00:00

Sample Description/Location: Lvl 4 Reg. of Probate 434
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 2400

Work Order: 22C1390

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.017	1	4/1/22 17:04	SFM
Aroclor-1221 [1]	ND	0.040		ND	0.017	1	4/1/22 17:04	SFM
Aroclor-1232 [1]	ND	0.040		ND	0.017	1	4/1/22 17:04	SFM
Aroclor-1242 [1]	ND	0.040		ND	0.017	1	4/1/22 17:04	SFM
Aroclor-1248 [1]	ND	0.040		ND	0.017	1	4/1/22 17:04	SFM
Aroclor-1254 [1]	ND	0.040		ND	0.017	1	4/1/22 17:04	SFM
Aroclor-1260 [1]	ND	0.040		ND	0.017	1	4/1/22 17:04	SFM
Aroclor-1262 [1]	ND	0.040		ND	0.017	1	4/1/22 17:04	SFM
Aroclor-1268 [1]	ND	0.040		ND	0.017	1	4/1/22 17:04	SFM

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	77.4	60-120	4/1/22 17:04
Decachlorobiphenyl [2]	82.3	60-120	4/1/22 17:04
Tetrachloro-m-xylene [1]	68.8	60-120	4/1/22 17:04
Tetrachloro-m-xylene [2]	70.1	60-120	4/1/22 17:04

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ANALYTICAL RESULTS

Project Location: 50 State St., Springfield, MA
Date Received: 3/21/2022
Field Sample #: 09-PUF Lvl 4 Probate Court 4
Sample ID: 22C1390-31
Sample Matrix: Indoor air
Sampled: 3/18/2022 00:00

Sample Description/Location: Lvl 4 Probate Court 4
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 2554

Work Order: 22C1390

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.016	1	4/1/22 17:16	SFM
Aroclor-1221 [1]	ND	0.040		ND	0.016	1	4/1/22 17:16	SFM
Aroclor-1232 [1]	ND	0.040		ND	0.016	1	4/1/22 17:16	SFM
Aroclor-1242 [1]	ND	0.040		ND	0.016	1	4/1/22 17:16	SFM
Aroclor-1248 [1]	ND	0.040		ND	0.016	1	4/1/22 17:16	SFM
Aroclor-1254 [1]	ND	0.040		ND	0.016	1	4/1/22 17:16	SFM
Aroclor-1260 [1]	ND	0.040		ND	0.016	1	4/1/22 17:16	SFM
Aroclor-1262 [1]	ND	0.040		ND	0.016	1	4/1/22 17:16	SFM
Aroclor-1268 [1]	ND	0.040		ND	0.016	1	4/1/22 17:16	SFM

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	89.3	60-120	4/1/22 17:16
Decachlorobiphenyl [2]	95.7	60-120	4/1/22 17:16
Tetrachloro-m-xylene [1]	74.5	60-120	4/1/22 17:16
Tetrachloro-m-xylene [2]	75.4	60-120	4/1/22 17:16

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ANALYTICAL RESULTS

Project Location: 50 State St., Springfield, MA
Date Received: 3/21/2022
Field Sample #: 09-Filter Lvl 4 Probate Court 4
Sample ID: 22C1390-32
Sample Matrix: Indoor air
Sampled: 3/18/2022 00:00

Sample Description/Location: Lvl 4 Probate Court 4
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 2554

Work Order: 22C1390

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.016	1	4/1/22 17:29	SFM
Aroclor-1221 [1]	ND	0.040		ND	0.016	1	4/1/22 17:29	SFM
Aroclor-1232 [1]	ND	0.040		ND	0.016	1	4/1/22 17:29	SFM
Aroclor-1242 [1]	ND	0.040		ND	0.016	1	4/1/22 17:29	SFM
Aroclor-1248 [1]	ND	0.040		ND	0.016	1	4/1/22 17:29	SFM
Aroclor-1254 [1]	ND	0.040		ND	0.016	1	4/1/22 17:29	SFM
Aroclor-1260 [1]	ND	0.040		ND	0.016	1	4/1/22 17:29	SFM
Aroclor-1262 [1]	ND	0.040		ND	0.016	1	4/1/22 17:29	SFM
Aroclor-1268 [1]	ND	0.040		ND	0.016	1	4/1/22 17:29	SFM

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	87.1	60-120	4/1/22 17:29
Decachlorobiphenyl [2]	92.8	60-120	4/1/22 17:29
Tetrachloro-m-xylene [1]	67.6	60-120	4/1/22 17:29
Tetrachloro-m-xylene [2]	68.9	60-120	4/1/22 17:29

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ANALYTICAL RESULTS

Project Location: 50 State St., Springfield, MA
Date Received: 3/21/2022
Field Sample #: 10-PUF Lvl 4 Corridor outside 422
Sample ID: 22C1390-33
Sample Matrix: Indoor air
Sampled: 3/18/2022 00:00

Sample Description/Location: Lvl 4 Corridor outside 422
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 2384

Work Order: 22C1390

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.017	1	4/1/22 17:41	SFM
Aroclor-1221 [1]	ND	0.040		ND	0.017	1	4/1/22 17:41	SFM
Aroclor-1232 [1]	ND	0.040		ND	0.017	1	4/1/22 17:41	SFM
Aroclor-1242 [1]	ND	0.040		ND	0.017	1	4/1/22 17:41	SFM
Aroclor-1248 [1]	ND	0.040		ND	0.017	1	4/1/22 17:41	SFM
Aroclor-1254 [1]	ND	0.040		ND	0.017	1	4/1/22 17:41	SFM
Aroclor-1260 [1]	ND	0.040		ND	0.017	1	4/1/22 17:41	SFM
Aroclor-1262 [1]	ND	0.040		ND	0.017	1	4/1/22 17:41	SFM
Aroclor-1268 [1]	ND	0.040		ND	0.017	1	4/1/22 17:41	SFM

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	86.9	60-120	4/1/22 17:41
Decachlorobiphenyl [2]	92.2	60-120	4/1/22 17:41
Tetrachloro-m-xylene [1]	77.8	60-120	4/1/22 17:41
Tetrachloro-m-xylene [2]	79.0	60-120	4/1/22 17:41

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ANALYTICAL RESULTS

Project Location: 50 State St., Springfield, MA
Date Received: 3/21/2022
Field Sample #: 10-Filter Lvl 4 Corridor outside 422
Sample ID: 22C1390-34
Sample Matrix: Indoor air
Sampled: 3/18/2022 00:00

Sample Description/Location: Lvl 4 Corridor outside 422
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 2384

Work Order: 22C1390

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.017	1	4/1/22 17:54	SFM
Aroclor-1221 [1]	ND	0.040		ND	0.017	1	4/1/22 17:54	SFM
Aroclor-1232 [1]	ND	0.040		ND	0.017	1	4/1/22 17:54	SFM
Aroclor-1242 [1]	ND	0.040		ND	0.017	1	4/1/22 17:54	SFM
Aroclor-1248 [1]	ND	0.040		ND	0.017	1	4/1/22 17:54	SFM
Aroclor-1254 [1]	ND	0.040		ND	0.017	1	4/1/22 17:54	SFM
Aroclor-1260 [1]	ND	0.040		ND	0.017	1	4/1/22 17:54	SFM
Aroclor-1262 [1]	ND	0.040		ND	0.017	1	4/1/22 17:54	SFM
Aroclor-1268 [1]	ND	0.040		ND	0.017	1	4/1/22 17:54	SFM

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	78.0	60-120	4/1/22 17:54
Decachlorobiphenyl [2]	83.1	60-120	4/1/22 17:54
Tetrachloro-m-xylene [1]	66.1	60-120	4/1/22 17:54
Tetrachloro-m-xylene [2]	67.0	60-120	4/1/22 17:54

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ANALYTICAL RESULTS

Project Location: 50 State St., Springfield, MA
Date Received: 3/21/2022
Field Sample #: 17-PUF Lvl 4 Reg. of Deeds 450
Sample ID: 22C1390-35
Sample Matrix: Indoor air
Sampled: 3/18/2022 00:00

Sample Description/Location: Lvl 4 Reg. of Deeds 450
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 2459

Work Order: 22C1390

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.016	1	4/1/22 18:06	SFM
Aroclor-1221 [1]	ND	0.040		ND	0.016	1	4/1/22 18:06	SFM
Aroclor-1232 [1]	ND	0.040		ND	0.016	1	4/1/22 18:06	SFM
Aroclor-1242 [1]	ND	0.040		ND	0.016	1	4/1/22 18:06	SFM
Aroclor-1248 [1]	ND	0.040		ND	0.016	1	4/1/22 18:06	SFM
Aroclor-1254 [1]	ND	0.040		ND	0.016	1	4/1/22 18:06	SFM
Aroclor-1260 [1]	ND	0.040		ND	0.016	1	4/1/22 18:06	SFM
Aroclor-1262 [1]	ND	0.040		ND	0.016	1	4/1/22 18:06	SFM
Aroclor-1268 [1]	ND	0.040		ND	0.016	1	4/1/22 18:06	SFM

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	90.3	60-120	4/1/22 18:06
Decachlorobiphenyl [2]	95.7	60-120	4/1/22 18:06
Tetrachloro-m-xylene [1]	74.9	60-120	4/1/22 18:06
Tetrachloro-m-xylene [2]	75.8	60-120	4/1/22 18:06

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ANALYTICAL RESULTS

Project Location: 50 State St., Springfield, MA
Date Received: 3/21/2022
Field Sample #: 17-Filter Lvl 4 Reg. of Deeds 450
Sample ID: 22C1390-36
Sample Matrix: Indoor air
Sampled: 3/18/2022 00:00

Sample Description/Location: Lvl 4 Reg. of Deeds 450
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 2459

Work Order: 22C1390

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.016	1	4/1/22 18:18	SFM
Aroclor-1221 [1]	ND	0.040		ND	0.016	1	4/1/22 18:18	SFM
Aroclor-1232 [1]	ND	0.040		ND	0.016	1	4/1/22 18:18	SFM
Aroclor-1242 [1]	ND	0.040		ND	0.016	1	4/1/22 18:18	SFM
Aroclor-1248 [1]	ND	0.040		ND	0.016	1	4/1/22 18:18	SFM
Aroclor-1254 [1]	ND	0.040		ND	0.016	1	4/1/22 18:18	SFM
Aroclor-1260 [1]	ND	0.040		ND	0.016	1	4/1/22 18:18	SFM
Aroclor-1262 [1]	ND	0.040		ND	0.016	1	4/1/22 18:18	SFM
Aroclor-1268 [1]	ND	0.040		ND	0.016	1	4/1/22 18:18	SFM

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	91.9	60-120	4/1/22 18:18
Decachlorobiphenyl [2]	97.4	60-120	4/1/22 18:18
Tetrachloro-m-xylene [1]	72.2	60-120	4/1/22 18:18
Tetrachloro-m-xylene [2]	73.0	60-120	4/1/22 18:18

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ANALYTICAL RESULTS

Project Location: 50 State St., Springfield, MA
Date Received: 3/21/2022
Field Sample #: 16-PUF Lvl 4 Reg. of Deeds 400 Outside 40
Sample ID: 22C1390-37
Sample Matrix: Indoor air
Sampled: 3/18/2022 00:00

Sample Description/Location: Lvl 4 Reg. of Deeds outside 403
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 2577

Work Order: 22C1390

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.016	1	3/31/22 21:22	JEA
Aroclor-1221 [1]	ND	0.040		ND	0.016	1	3/31/22 21:22	JEA
Aroclor-1232 [1]	ND	0.040		ND	0.016	1	3/31/22 21:22	JEA
Aroclor-1242 [2]	ND	0.040		ND	0.016	1	3/31/22 21:22	JEA
Aroclor-1248 [1]	ND	0.040		ND	0.016	1	3/31/22 21:22	JEA
Aroclor-1254 [1]	ND	0.040		ND	0.016	1	3/31/22 21:22	JEA
Aroclor-1260 [1]	ND	0.040		ND	0.016	1	3/31/22 21:22	JEA
Aroclor-1262 [1]	ND	0.040		ND	0.016	1	3/31/22 21:22	JEA
Aroclor-1268 [1]	ND	0.040		ND	0.016	1	3/31/22 21:22	JEA

Surrogates	% Recovery		% REC Limits	
Decachlorobiphenyl [1]	55.3*	S-20	60-120	3/31/22 21:22
Decachlorobiphenyl [2]	59.4*	S-20	60-120	3/31/22 21:22
Tetrachloro-m-xylene [1]	46.9*	S-20	60-120	3/31/22 21:22
Tetrachloro-m-xylene [2]	47.4*	S-20	60-120	3/31/22 21:22

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ANALYTICAL RESULTS

Project Location: 50 State St., Springfield, MA
Date Received: 3/21/2022
Field Sample #: 16-Filter Lvl 4 Reg. of Deeds 400 Outside
Sample ID: 22C1390-38
Sample Matrix: Indoor air
Sampled: 3/18/2022 00:00

Sample Description/Location: Lvl 4 Reg. of Deeds outside 403
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 2577

Work Order: 22C1390

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.016	1	3/31/22 21:40	JEA
Aroclor-1221 [1]	ND	0.040		ND	0.016	1	3/31/22 21:40	JEA
Aroclor-1232 [1]	ND	0.040		ND	0.016	1	3/31/22 21:40	JEA
Aroclor-1242 [1]	ND	0.040		ND	0.016	1	3/31/22 21:40	JEA
Aroclor-1248 [1]	ND	0.040		ND	0.016	1	3/31/22 21:40	JEA
Aroclor-1254 [1]	ND	0.040		ND	0.016	1	3/31/22 21:40	JEA
Aroclor-1260 [1]	ND	0.040		ND	0.016	1	3/31/22 21:40	JEA
Aroclor-1262 [1]	ND	0.040		ND	0.016	1	3/31/22 21:40	JEA
Aroclor-1268 [1]	ND	0.040		ND	0.016	1	3/31/22 21:40	JEA

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	94.9	60-120	3/31/22 21:40
Decachlorobiphenyl [2]	101	60-120	3/31/22 21:40
Tetrachloro-m-xylene [1]	73.4	60-120	3/31/22 21:40
Tetrachloro-m-xylene [2]	74.3	60-120	3/31/22 21:40

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ANALYTICAL RESULTS

Project Location: 50 State St., Springfield, MA
Date Received: 3/21/2022
Field Sample #: 21-PUF FIELD BLANK
Sample ID: 22C1390-39
Sample Matrix: Indoor air
Sampled: 3/18/2022 00:00

Sample Description/Location: Field Blank
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 0

Work Order: 22C1390

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040				1	3/31/22 21:57	JEA
Aroclor-1221 [1]	ND	0.040				1	3/31/22 21:57	JEA
Aroclor-1232 [1]	ND	0.040				1	3/31/22 21:57	JEA
Aroclor-1242 [1]	ND	0.040				1	3/31/22 21:57	JEA
Aroclor-1248 [1]	ND	0.040				1	3/31/22 21:57	JEA
Aroclor-1254 [1]	ND	0.040				1	3/31/22 21:57	JEA
Aroclor-1260 [1]	ND	0.040				1	3/31/22 21:57	JEA
Aroclor-1262 [1]	ND	0.040				1	3/31/22 21:57	JEA
Aroclor-1268 [1]	ND	0.040				1	3/31/22 21:57	JEA

Surrogates	% Recovery		% REC Limits	
Decachlorobiphenyl [1]	71.6		60-120	3/31/22 21:57
Decachlorobiphenyl [2]	76.2		60-120	3/31/22 21:57
Tetrachloro-m-xylene [1]	39.8*	S-20	60-120	3/31/22 21:57
Tetrachloro-m-xylene [2]	40.8*	S-20	60-120	3/31/22 21:57

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ANALYTICAL RESULTS

Project Location: 50 State St., Springfield, MA
Date Received: 3/21/2022
Field Sample #: 21-Filter FIELD BLANK
Sample ID: 22C1390-40
Sample Matrix: Indoor air
Sampled: 3/18/2022 00:00

Sample Description/Location: Field Blank
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 0

Work Order: 22C1390

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040				1	3/31/22 22:15	JEA
Aroclor-1221 [1]	ND	0.040				1	3/31/22 22:15	JEA
Aroclor-1232 [1]	ND	0.040				1	3/31/22 22:15	JEA
Aroclor-1242 [1]	ND	0.040				1	3/31/22 22:15	JEA
Aroclor-1248 [1]	ND	0.040				1	3/31/22 22:15	JEA
Aroclor-1254 [1]	ND	0.040				1	3/31/22 22:15	JEA
Aroclor-1260 [1]	ND	0.040				1	3/31/22 22:15	JEA
Aroclor-1262 [1]	ND	0.040				1	3/31/22 22:15	JEA
Aroclor-1268 [1]	ND	0.040				1	3/31/22 22:15	JEA

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	102	60-120	3/31/22 22:15
Decachlorobiphenyl [2]	108	60-120	3/31/22 22:15
Tetrachloro-m-xylene [1]	86.7	60-120	3/31/22 22:15
Tetrachloro-m-xylene [2]	87.3	60-120	3/31/22 22:15

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ANALYTICAL RESULTS

Project Location: 50 State St., Springfield, MA
Date Received: 3/21/2022
Field Sample #: 12-PUF Lvl 3 Records Rm (332)
Sample ID: 22C1390-41
Sample Matrix: Indoor air
Sampled: 3/18/2022 00:00

Sample Description/Location: Lvl 3 Records Rm (332)
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 2266

Work Order: 22C1390

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.018	1	3/31/22 22:32	JEA
Aroclor-1221 [1]	ND	0.040		ND	0.018	1	3/31/22 22:32	JEA
Aroclor-1232 [1]	ND	0.040		ND	0.018	1	3/31/22 22:32	JEA
Aroclor-1242 [1]	ND	0.040		ND	0.018	1	3/31/22 22:32	JEA
Aroclor-1248 [1]	ND	0.040		ND	0.018	1	3/31/22 22:32	JEA
Aroclor-1254 [1]	ND	0.040		ND	0.018	1	3/31/22 22:32	JEA
Aroclor-1260 [1]	ND	0.040		ND	0.018	1	3/31/22 22:32	JEA
Aroclor-1262 [1]	ND	0.040		ND	0.018	1	3/31/22 22:32	JEA
Aroclor-1268 [1]	ND	0.040		ND	0.018	1	3/31/22 22:32	JEA

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	94.6	60-120	3/31/22 22:32
Decachlorobiphenyl [2]	100	60-120	3/31/22 22:32
Tetrachloro-m-xylene [1]	75.8	60-120	3/31/22 22:32
Tetrachloro-m-xylene [2]	76.3	60-120	3/31/22 22:32

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ANALYTICAL RESULTS

Project Location: 50 State St., Springfield, MA
Date Received: 3/21/2022
Field Sample #: 12-FIlter Lvl 3 Records Rm (332)
Sample ID: 22C1390-42
Sample Matrix: Indoor air
Sampled: 3/18/2022 00:00

Sample Description/Location: Lvl 3 Records Rm (332)
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 2266

Work Order: 22C1390

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.018	1	3/31/22 22:50	JEA
Aroclor-1221 [1]	ND	0.040		ND	0.018	1	3/31/22 22:50	JEA
Aroclor-1232 [1]	ND	0.040		ND	0.018	1	3/31/22 22:50	JEA
Aroclor-1242 [1]	ND	0.040		ND	0.018	1	3/31/22 22:50	JEA
Aroclor-1248 [1]	ND	0.040		ND	0.018	1	3/31/22 22:50	JEA
Aroclor-1254 [1]	ND	0.040		ND	0.018	1	3/31/22 22:50	JEA
Aroclor-1260 [1]	ND	0.040		ND	0.018	1	3/31/22 22:50	JEA
Aroclor-1262 [1]	ND	0.040		ND	0.018	1	3/31/22 22:50	JEA
Aroclor-1268 [1]	ND	0.040		ND	0.018	1	3/31/22 22:50	JEA

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	93.0	60-120	3/31/22 22:50
Decachlorobiphenyl [2]	98.7	60-120	3/31/22 22:50
Tetrachloro-m-xylene [1]	76.1	60-120	3/31/22 22:50
Tetrachloro-m-xylene [2]	77.5	60-120	3/31/22 22:50

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Sample Extraction Data

Prep Method: SW-846 3540C **Analytical Method: EPA TO-10A**

Lab Number [Field ID]	Batch	Initial [Cartridge	Final [mL]	Date
22C1390-01 [02-PUF Plaza District Court 2 (back)]	B303790	1.00	2.00	03/22/22
22C1390-02 [02-Filter Plaza District Court 2 (back)]	B303790	1.00	2.00	03/22/22
22C1390-03 [04-PUF Plaza Emplyee Lounge 168]	B303790	1.00	2.00	03/22/22
22C1390-04 [04-Filter Plaza Emplyee Lounge 168]	B303790	1.00	2.00	03/22/22
22C1390-05 [03 PUF Plaza District Ct Probation 167]	B303790	1.00	2.00	03/22/22
22C1390-06 [03-Filter Plaza District Ct Probation 167]	B303790	1.00	2.00	03/22/22
22C1390-07 [19-PUF Garage Lvl G55]	B303790	1.00	2.00	03/22/22
22C1390-08 [19-Filter Garage Lvl G55]	B303790	1.00	2.00	03/22/22
22C1390-09 [01-PUF Garage Lvl G06]	B303790	1.00	2.00	03/22/22
22C1390-10 [01-Filter Garage Lvl G06]	B303790	1.00	2.00	03/22/22
22C1390-11 [05-PUF Lvl 2 249]	B303790	1.00	2.00	03/22/22
22C1390-12 [05-Filter Lvl 2 249]	B303790	1.00	2.00	03/22/22
22C1390-13 [07-PUF Lvl 2 District Court 3]	B303790	1.00	2.00	03/22/22
22C1390-14 [07-Filter Lvl 2 District Court 3]	B303790	1.00	2.00	03/22/22
22C1390-15 [06-PUF Lvl 2 204A]	B303790	1.00	2.00	03/22/22
22C1390-16 [06-Filter Lvl 2 204A]	B303790	1.00	2.00	03/22/22

Prep Method: SW-846 3540C **Analytical Method: EPA TO-10A**

Lab Number [Field ID]	Batch	Initial [Cartridge	Final [mL]	Date
22C1390-17 [18-PUF Lvl 3 Law Library]	B304106	1.00	2.00	03/25/22
22C1390-18 [18-Filter Lvl 3 Law Library]	B304106	1.00	2.00	03/25/22
22C1390-19 [13-PUF Lvl 3 Superior Court 3]	B304106	1.00	2.00	03/25/22
22C1390-20 [13-Filter Lvl 3 Superior Court 3]	B304106	1.00	2.00	03/25/22
22C1390-21 [15-PUF Lvl 3 Corridor near 323]	B304106	1.00	2.00	03/25/22
22C1390-22 [15-Filter Lvl 3 Corridor near 323]	B304106	1.00	2.00	03/25/22
22C1390-23 [14-PUF Lvl 3 Attorney's Lounge]	B304106	1.00	2.00	03/25/22
22C1390-24 [14-Filter Lvl 3 Attorney's Lounge]	B304106	1.00	2.00	03/25/22
22C1390-25 [20-PUF Lvl 3 District Attorney 371]	B304106	1.00	2.00	03/25/22
22C1390-26 [20-Filter Lvl 3 District Attorney 371]	B304106	1.00	2.00	03/25/22
22C1390-27 [11-PUF Lvl 4 Jury Pool 446 @Window]	B304106	1.00	2.00	03/25/22
22C1390-28 [11-Filter Lvl 4 Jury Pool 446 @Window]	B304106	1.00	2.00	03/25/22
22C1390-29 [08-PUF Lvl 4 Reg. of Probate 434]	B304106	1.00	2.00	03/25/22
22C1390-30 [08-Filter Lvl 4 Reg. of Probate 434]	B304106	1.00	2.00	03/25/22
22C1390-31 [09-PUF Lvl 4 Probate Court 4]	B304106	1.00	2.00	03/25/22
22C1390-32 [09-Filter Lvl 4 Probate Court 4]	B304106	1.00	2.00	03/25/22
22C1390-33 [10-PUF Lvl 4 Corridor outside 422]	B304106	1.00	2.00	03/25/22
22C1390-34 [10-Filter Lvl 4 Corridor outside 422]	B304106	1.00	2.00	03/25/22
22C1390-35 [17-PUF Lvl 4 Reg. of Deeds 450]	B304106	1.00	2.00	03/25/22
22C1390-36 [17-Filter Lvl 4 Reg. of Deeds 450]	B304106	1.00	2.00	03/25/22

Prep Method: SW-846 3540C **Analytical Method: EPA TO-10A**

Lab Number [Field ID]	Batch	Initial [Cartridge	Final [mL]	Date
22C1390-37 [16-PUF Lvl 4 Reg. of Deeds 400 Outside 403]	B304107	1.00	2.00	03/25/22
22C1390-38 [16-Filter Lvl 4 Reg. of Deeds 400 Outside 403]	B304107	1.00	2.00	03/25/22
22C1390-39 [21-PUF FIELD BLANK]	B304107	1.00	2.00	03/25/22
22C1390-40 [21-Filter FIELD BLANK]	B304107	1.00	2.00	03/25/22
22C1390-41 [12-PUF Lvl 3 Records Rm (332)]	B304107	1.00	2.00	03/25/22
22C1390-42 [12-FIlter Lvl 3 Records Rm (332)]	B304107	1.00	2.00	03/25/22

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	Total µg Results	Total µg RL	ug/m3 Results	ug/m3 RL	Spike Level Total µg	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B303790 - SW-846 3540C											
Blank (B303790-BLK1)					Prepared: 03/22/22 Analyzed: 03/30/22						
Aroclor-1016	ND	0.040									
Aroclor-1016 [2C]	ND	0.040									
Aroclor-1221	ND	0.040									
Aroclor-1221 [2C]	ND	0.040									
Aroclor-1232	ND	0.040									
Aroclor-1232 [2C]	ND	0.040									
Aroclor-1242	ND	0.040									
Aroclor-1242 [2C]	ND	0.040									
Aroclor-1248	ND	0.040									
Aroclor-1248 [2C]	ND	0.040									
Aroclor-1254	ND	0.040									
Aroclor-1254 [2C]	ND	0.040									
Aroclor-1260	ND	0.040									
Aroclor-1260 [2C]	ND	0.040									
Aroclor-1262	ND	0.040									
Aroclor-1262 [2C]	ND	0.040									
Aroclor-1268	ND	0.040									
Aroclor-1268 [2C]	ND	0.040									
Surrogate: Decachlorobiphenyl	*0.346*				*0.400*		*86.4*	*60-120*			
Surrogate: Decachlorobiphenyl [2C]	*0.323*				*0.400*		*80.7*	*60-120*			
Surrogate: Tetrachloro-m-xylene	*0.333*				*0.400*		*83.3*	*60-120*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.244*				*0.400*		*61.0*	*60-120*			
LCS (B303790-BS1)					Prepared: 03/22/22 Analyzed: 03/30/22						
Aroclor-1016	0.0845	0.040			0.100		84.5	70.4-127			
Aroclor-1016 [2C]	0.0818	0.040			0.100		81.8	69-128			
Aroclor-1260	0.0953	0.040			0.100		95.3	68.4-119			
Aroclor-1260 [2C]	0.0916	0.040			0.100		91.6	63.4-124			
Surrogate: Decachlorobiphenyl	*0.389*				*0.400*		*97.1*	*60-120*			
Surrogate: Decachlorobiphenyl [2C]	*0.352*				*0.400*		*87.9*	*60-120*			
Surrogate: Tetrachloro-m-xylene	*0.396*				*0.400*		*98.9*	*60-120*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.277*				*0.400*		*69.2*	*60-120*			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	Total µg Results	Total µg RL	ug/m3 Results	ug/m3 RL	Spike Level Total µg	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B303790 - SW-846 3540C											
LCS Dup (B303790-BSD1)					Prepared: 03/22/22 Analyzed: 03/30/22						
Aroclor-1016	0.0829	0.040			0.100		82.9	70.4-127	1.93	25.6	
Aroclor-1016 [2C]	0.0855	0.040			0.100		85.5	69-128	4.45	27.6	
Aroclor-1260	0.0936	0.040			0.100		93.6	68.4-119	1.71	19.4	
Aroclor-1260 [2C]	0.0955	0.040			0.100		95.5	63.4-124	4.10	18.7	
Surrogate: Decachlorobiphenyl	*0.398*				*0.400*		*99.4*	*60-120*			
Surrogate: Decachlorobiphenyl [2C]	*0.354*				*0.400*		*88.4*	*60-120*			
Surrogate: Tetrachloro-m-xylene	*0.388*				*0.400*		*97.0*	*60-120*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.273*				*0.400*		*68.3*	*60-120*			
Batch B304106 - SW-846 3540C											
Blank (B304106-BLK1)					Prepared: 03/25/22 Analyzed: 04/01/22						
Aroclor-1016	ND	0.040									
Aroclor-1016 [2C]	ND	0.040									
Aroclor-1221	ND	0.040									
Aroclor-1221 [2C]	ND	0.040									
Aroclor-1232	ND	0.040									
Aroclor-1232 [2C]	ND	0.040									
Aroclor-1242	ND	0.040									
Aroclor-1242 [2C]	ND	0.040									
Aroclor-1248	ND	0.040									
Aroclor-1248 [2C]	ND	0.040									
Aroclor-1254	ND	0.040									
Aroclor-1254 [2C]	ND	0.040									
Aroclor-1260	ND	0.040									
Aroclor-1260 [2C]	ND	0.040									
Aroclor-1262	ND	0.040									
Aroclor-1262 [2C]	ND	0.040									
Aroclor-1268	ND	0.040									
Aroclor-1268 [2C]	ND	0.040									
Surrogate: Decachlorobiphenyl	*0.361*				*0.400*		*90.2*	*60-120*			
Surrogate: Decachlorobiphenyl [2C]	*0.387*				*0.400*		*96.7*	*60-120*			
Surrogate: Tetrachloro-m-xylene	*0.299*				*0.400*		*74.8*	*60-120*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.306*				*0.400*		*76.4*	*60-120*			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	Total µg Results	Total µg RL	ug/m3 Results	ug/m3 RL	Spike Level Total µg	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B304106 - SW-846 3540C											
LCS (B304106-BS1)					Prepared: 03/25/22 Analyzed: 04/01/22						
Aroclor-1016	0.0784	0.040			0.100		78.4	70.4-127			
Aroclor-1016 [2C]	0.0860	0.040			0.100		86.0	69-128			
Aroclor-1260	0.0827	0.040			0.100		82.7	68.4-119			
Aroclor-1260 [2C]	0.0876	0.040			0.100		87.6	63.4-124			
Surrogate: Decachlorobiphenyl	*0.361*				*0.400*		*90.3*	*60-120*			
Surrogate: Decachlorobiphenyl [2C]	*0.390*				*0.400*		*97.4*	*60-120*			
Surrogate: Tetrachloro-m-xylene	*0.326*				*0.400*		*81.4*	*60-120*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.330*				*0.400*		*82.5*	*60-120*			
LCS Dup (B304106-BSD1)					Prepared: 03/25/22 Analyzed: 04/01/22						
Aroclor-1016	0.0818	0.040			0.100		81.8	70.4-127	4.30	25.6	
Aroclor-1016 [2C]	0.102	0.040			0.100		102	69-128	16.6	27.6	
Aroclor-1260	0.0863	0.040			0.100		86.3	68.4-119	4.18	19.4	
Aroclor-1260 [2C]	0.0879	0.040			0.100		87.9	63.4-124	0.358	18.7	
Surrogate: Decachlorobiphenyl	*0.412*				*0.400*		*103*	*60-120*			
Surrogate: Decachlorobiphenyl [2C]	*0.432*				*0.400*		*108*	*60-120*			
Surrogate: Tetrachloro-m-xylene	*0.315*				*0.400*		*78.9*	*60-120*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.322*				*0.400*		*80.4*	*60-120*			
Batch B304107 - SW-846 3540C											
Blank (B304107-BLK1)					Prepared: 03/25/22 Analyzed: 03/31/22						
Aroclor-1016	ND	0.040									
Aroclor-1016 [2C]	ND	0.040									
Aroclor-1221	ND	0.040									
Aroclor-1221 [2C]	ND	0.040									
Aroclor-1232	ND	0.040									
Aroclor-1232 [2C]	ND	0.040									
Aroclor-1242	ND	0.040									
Aroclor-1242 [2C]	ND	0.040									
Aroclor-1248	ND	0.040									
Aroclor-1248 [2C]	ND	0.040									
Aroclor-1254	ND	0.040									
Aroclor-1254 [2C]	ND	0.040									
Aroclor-1260	ND	0.040									R-05
Aroclor-1260 [2C]	ND	0.040									R-05
Aroclor-1262	ND	0.040									
Aroclor-1262 [2C]	ND	0.040									
Aroclor-1268	ND	0.040									
Aroclor-1268 [2C]	ND	0.040									
Surrogate: Decachlorobiphenyl	*0.383*				*0.400*		*95.8*	*60-120*			
Surrogate: Decachlorobiphenyl [2C]	*0.404*				*0.400*		*101*	*60-120*			
Surrogate: Tetrachloro-m-xylene	*0.329*				*0.400*		*82.3*	*60-120*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.334*				*0.400*		*83.5*	*60-120*			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	Total µg Results	Total µg RL	ug/m3 Results	ug/m3 RL	Spike Level Total µg	Source Result	%REC		%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B304107 - SW-846 3540C												
LCS (B304107-BS1)					Prepared: 03/25/22 Analyzed: 03/31/22							
Aroclor-1016	0.0798	0.040			0.100		79.8		70.4-127			
Aroclor-1016 [2C]	0.0909	0.040			0.100		90.9		69-128			
Aroclor-1260	0.0990	0.040			0.100		99.0		68.4-119			R-05
Aroclor-1260 [2C]	0.105	0.040			0.100		105		63.4-124			R-05
Surrogate: Decachlorobiphenyl	*0.378*				*0.400*		*94.6*		*60-120*			
Surrogate: Decachlorobiphenyl [2C]	*0.402*				*0.400*		*101*		*60-120*			
Surrogate: Tetrachloro-m-xylene	*0.295*				*0.400*		*73.8*		*60-120*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.300*				*0.400*		*74.9*		*60-120*			
LCS Dup (B304107-BSD1)					Prepared: 03/25/22 Analyzed: 03/31/22							
Aroclor-1016	0.0687	0.040			0.100		**68.7**	*	70.4-127	15.1	25.6	L-07
Aroclor-1016 [2C]	0.0744	0.040			0.100		74.4		69-128	20.0	27.6	
Aroclor-1260	0.0764	0.040			0.100		76.4		68.4-119	**25.8**	19.4	R-05
Aroclor-1260 [2C]	0.0773	0.040			0.100		77.3		63.4-124	**30.0**	18.7	R-05
Surrogate: Decachlorobiphenyl	*0.322*				*0.400*		*80.5*		*60-120*			
Surrogate: Decachlorobiphenyl [2C]	*0.343*				*0.400*		*85.8*		*60-120*			
Surrogate: Tetrachloro-m-xylene	*0.192*				*0.400*		**48.1**	*	*60-120*			*S-20*
Surrogate: Tetrachloro-m-xylene [2C]	*0.196*				*0.400*		**49.0**	*	*60-120*			*S-20*

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

EPA TO-10A

05-PUF

Lab Sample ID: 22C1390-11

Date(s) Analyzed: 03/30/2022 03/30/2022

Instrument ID (1): ECD 9

Instrument ID (2): ECD 9

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	0.044	
	2	0.000	0.000	0.000	0.046	4.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

EPA TO-10A

18-PUF

Lab Sample ID: 22C1390-17 Date(s) Analyzed: 04/01/2022 04/01/2022

Instrument ID (1): ECD10 Instrument ID (2): ECD10

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1242	1	0.000	0.000	0.000	0.14	
	2	0.000	0.000	0.000	0.14	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

EPA TO-10A

LCS

Lab Sample ID: B303790-BS1 Date(s) Analyzed: 03/30/2022 03/30/2022

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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	0.0845	
	2	0.000	0.000	0.000	0.0818	3.8
Aroclor-1260	1	0.000	0.000	0.000	0.0953	
	2	0.000	0.000	0.000	0.0916	3.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

EPA TO-10A

LCS Dup

Lab Sample ID: B303790-BSD1 Date(s) Analyzed: 03/30/2022 03/30/2022

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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	0.0829	
	2	0.000	0.000	0.000	0.0855	3.0
Aroclor-1260	1	0.000	0.000	0.000	0.0936	
	2	0.000	0.000	0.000	0.0955	1.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

EPA TO-10A

LCS

Lab Sample ID: B304106-BS1 Date(s) Analyzed: 04/01/2022 04/01/2022

Instrument ID (1): ECD10 Instrument ID (2): ECD10

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	0.0784	
	2	0.000	0.000	0.000	0.0860	9.8
Aroclor-1260	1	0.000	0.000	0.000	0.0827	
	2	0.000	0.000	0.000	0.0876	5.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

EPA TO-10A

LCS Dup

Lab Sample ID: B304106-BSD1 Date(s) Analyzed: 04/01/2022 04/01/2022

Instrument ID (1): ECD10 Instrument ID (2): ECD10

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	0.0818	
	2	0.000	0.000	0.000	0.102	21.7
Aroclor-1260	1	0.000	0.000	0.000	0.0863	
	2	0.000	0.000	0.000	0.0879	2.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

EPA TO-10A

LCS

Lab Sample ID: B304107-BS1 Date(s) Analyzed: 03/31/2022 03/31/2022

Instrument ID (1): ECD10 Instrument ID (2): ECD10

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	0.0798	
	2	0.000	0.000	0.000	0.0909	12.8
Aroclor-1260	1	0.000	0.000	0.000	0.0990	
	2	0.000	0.000	0.000	0.105	5.9

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IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA TO-10A

LCS Dup

Lab Sample ID: B304107-BSD1 Date(s) Analyzed: 03/31/2022 03/31/2022

Instrument ID (1): ECD10 Instrument ID (2): ECD10

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	0.0687	
	2	0.000	0.000	0.000	0.0744	7.5
Aroclor-1260	1	0.000	0.000	0.000	0.0764	
	2	0.000	0.000	0.000	0.0773	1.7

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.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
S-20	Surrogate recovery is outside of control limits. Sample media does not allow for re-extraction.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-10A in Air	
Aroclor-1016	AIHA,NJ,NY
Aroclor-1016 [2C]	AIHA,NJ,NY
Aroclor-1221	AIHA,NJ,NY
Aroclor-1221 [2C]	AIHA,NJ,NY
Aroclor-1232	AIHA,NJ,NY
Aroclor-1232 [2C]	AIHA,NJ,NY
Aroclor-1242	AIHA,NJ,NY
Aroclor-1242 [2C]	AIHA,NJ,NY
Aroclor-1248	AIHA,NJ,NY
Aroclor-1248 [2C]	AIHA,NJ,NY
Aroclor-1254	AIHA,NJ,NY
Aroclor-1254 [2C]	AIHA,NJ,NY
Aroclor-1260	AIHA,NJ,NY
Aroclor-1260 [2C]	AIHA,NJ,NY
Aroclor-1262	AIHA,NJ,NY
Aroclor-1262 [2C]	AIHA,NJ,NY
Aroclor-1268	AIHA,NJ,NY
Aroclor-1268 [2C]	AIHA,NJ,NY

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

Pace Analytical®
Pace New England, 39 Spruce Street
East Longmeadow, MA 01028 (413) 318-0053

22C1390

https://www.pacelabs.com/ DOC #378 Rev 2_01122021

CHAIN OF CUSTODY RECORD (AIR)

Pace-New England

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name:	
Address:	300 Wildwood Avenue #230 Woburn MA 01801
Phone:	781.569.0765
Project Name:	Roderick L. Ireland Courthouse
Project Location:	50 State Street Springfield, MA 01
Project Number:	479550
Project Manager:	Ann Eckmann
Pace Analytical Quote Name/Number:	109205
Invoice Recipient:	TRC Accounts Payable
Sampled By:	A. Eckmann /Denise Houseman /Olivia Smaracko

Requested Turnaround Time
7-Day ☐ 10-Day ☑
Due Date:

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

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: smaracko@trccompanies.com
dhouseman@trcccompanies.com

ANALYSIS REQUESTED

Lab Use	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume	TO-10A				" Hg			Please fill out completely, sign, date and retain the yellow copy for your records	
Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	☐ m³/min ☐ L/min	Code	☐ Liters ☐ m³					Initial Pressure	Final Pressure	Lab Receipt Pressure	Summa Can ID	Flow Controller ID
1	02 PUF Plaza District Court 2 (back)	3/18/2022	3/18/2022	553		IA	2227	X								
2	02 Filter Plaza District Court 2 (back)	3/18/2022	3/18/2022	553		IA	2227	X								
3	04 PUF Plaza Employee Lounge 168	3/18/2022	3/18/2022	555		IA		X								
4	04 Filter Plaza Employee Lounge 168	3/18/2022	3/18/2022	555		IA		X								
5	03 PUF Plaza District Ct Probation ~~145~~ 167	3/18/2022	3/18/2022	552		IA	2234	X								
6	03 Filter Plaza District Ct Probation ~~145~~ 167	3/18/2022	3/18/2022	552		IA	2234	X								
7	19 PUF Garage Lvl G55	3/18/2022	3/18/2022	445		IA		X								
8	19 Filter Garage Lvl G55	3/18/2022	3/18/2022	445		IA		X								
9	01 PUF Garage Lvl G ~~1706~~	3/18/2022	3/18/2022	544	~~2218~~ (RH)	IA	2218	X								

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)	Ann D Eckmann	Date/Time: 12pm 3/21/22 ~~3/18/2022~~
Received by: (signature)		Date/Time: 3/21/22 1200
Relinquished by: (signature)		Date/Time: 3/21/22 1600
~~Received~~ by: (signature)	3.8 3/21/22	Date/Time: 1600
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ Other

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NELAC and AIHA-LAP, LLC Accredited

Project Entity
☑ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

Table of Contents

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East Longmeadow, MA 01028 (413)
318-0053

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Doc #378 Rev 2_01122021
Pace-New England

22C1390

CHAIN OF CUSTODY RECORD (AIR)

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name:	
Address:	300 Wildwood Avenue #230 Woburn MA 01801
Phone:	781.569.0765
Project Name:	Springfield District/Ireland Court
Project Location:	50 State Street Springfield, MA 01
Project Number:	479550
Project Manager:	Ann Eckmann
Pace Analytical Quote Name/Number	
Invoice Recipient:	
Sampled By:	Ann Eckmann / Denise Houseman / Olivia Smaracko

Requested Turnaround Time
7-Day ☐ 10-Day ☑
Due Date:

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

Data Delivery
Format: PDF ☐ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: see page 1
Fax To #:

ANALYSIS REQUESTED

Lab Use	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume	TO-10A				" Hg			Please fill out completely, sign, date and retain the yellow copy for your records	
Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	☐ m³/min ☐ L/min	Code	☐ Liters ☐ m³					Initial Pressure	Final Pressure	Lab Receipt Pressure	Summa Can ID	Flow Controller ID
10	01 Filter Garage Lvl G~~17~~06	3/18/2022	3/18/2022	544	2218 (2d)	IA	2218	X								
11	05 PUF Lvl 2 249	3/18/2022	3/18/2022	606		IA		X								
12	05 Filter Lvl 2 249	3/18/2022	3/18/2022	606		IA		X								
13	07 PUF Lvl 2 District Court 3	3/18/2022	3/18/2022	544		IA		X								
14	07 Filter Lvl 2 District Court 3	3/18/2022	3/18/2022	544		IA		X								
15	06 PUF Lvl 2 204A	3/18/2022	3/18/2022	629		IA		X								
16	06 Filter Lvl 2 204A	3/18/2022	3/18/2022	629		IA		X								
17	18 PUF Lvl 3 Law Library	3/18/2022	3/18/2022	553		IA		X								
18	18 Filter Lvl 3 Law Library	3/18/2022	3/18/2022	553		IA		X								

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to the Pace Analytical Air Media Agreement

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)	Date/Time:
Ann D. Eckmann	3/21/22 ~~3/18/2022~~ 12pm
Received by: (signature)	Date/Time:
	3/21/22 12:00
Relinquished by: (signature)	Date/Time:
	3/21/22 1600
Received by: (signature)	Date/Time:
3.8 3/21/22	1600
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ Other

Pace Analytical®
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Project Entity
☑ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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CHAIN OF CUSTODY RECORD (AIR)

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name:	
Address:	300 Wildwood Avenue #230 Woburn MA 01801
Phone:	781.569.0765
Project Name:	Springfield District/Ireland Court
Project Location:	50 State Street Springfield, MA 01
Project Number:	479550
Project Manager:	Ann Eckmann
Pace Analytical Quote Name/Number:	
Invoice Recipient:	
Sampled By:	Ann Eckmann / Denise Houseman / Olivia Smaracko

Requested Turnaround Time
7-Day ☐ 10-Day ☑
Due Date:

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

Data Delivery
Format: PDF ☐ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: see page 1
Fax To #:

ANALYSIS REQUESTED

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

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Lab Use	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume	TO-10A				" Hg				
Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	☐ m³/min ☐ L/min	Code	☐ Liters ☐ m³					Initial Pressure	Final Pressure	Lab Receipt Pressure	Summa Can ID	Flow Controller ID
19	13 PUF Lvl 3 Superior Court 3	3/18/2022	3/18/2022	569		IA		X								
20	13 Filter Lvl 3 Superior Court 3	3/18/2022	3/18/2022	569		IA		X								
21	15 PUF Lvl 3 Corridor near 323	3/18/2022	3/18/2022	562		IA		X								
22	15 Filter Lvl 3 Corridor near 323	3/18/2022	3/18/2022	562		IA		X								
23	14 PUF Lvl 3 Attorney's Lounge	3/18/2022	3/18/2022	553		IA		X								
24	14 Filter Lvl 3 Attorney's Lounge	3/18/2022	3/18/2022	553		IA		X								
25	20 PUF Lvl 3 District Attorney ~~370~~ 371 add	3/18/2022	3/18/2022	418		IA		X								
26	20 Filter Lvl 3 District Attorney ~~370~~ 371 add	3/18/2022	3/18/2022	418		IA		X								
~~27~~						IA		X								

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) Ann D. Eckmann	Date/Time: 3/21/22 12P ~~3/18/2022~~	
Received by: (signature)	Date/Time: 3/21/22 1200	
Relinquished by: (signature)	Date/Time: 3/21/22 1600	
Received by: (signature) 3.8 3/21/22	Date/Time: 1600	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ Other

Pace Analytical®
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Project Entity
☑ Government ☐ Federal ☐ City
☐ Municipality ☐ 21 J ☐ Brownfield
☐ MWRA ☐ School ☐ MBTA
☐ WRTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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Doc #378 Rev 2_01122021
Pace-New England

22C1390

.com/contact-us/contact-environmental-sciences/

CHAIN OF CUSTODY RECORD (AIR)

Company Name:	
Address:	300 Wildwood Avenue #230 Woburn MA 01801
Phone:	781.569.0765
Project Name:	Springfield District/Ireland Court
Project Location:	50 State Street Springfield, MA 01
Project Number:	479550
Project Manager:	Ann Eckmann
Pace Analytical Quote Name/Number	
Invoice Recipient:	
Sampled By:	Ann Eckmann / Denise Houseman / Olivia Smaracko

Requested Turnaround Time
7-Day ☐ 10-Day ☑
Due Date:

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

Data Delivery
Format: PDF ☐ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: see page 1
Fax To #:

ANALYSIS REQUESTED

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Lab Use	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume	TO-10A				" Hg			Summa Can ID	Flow Controller ID
Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	☐ m³/min ☐ L/min	Code	☐ Liters ☐ m³					Initial Pressure	Final Pressure	Lab Receipt Pressure		
27	11 PUF Lvl 4 Jury Pool 446 @window	3/18/2022	3/18/2022	588		IA		X								
28	11 Filter Lvl 4 Jury Pool 446 @window	3/18/2022	3/18/2022	588		IA		X								
29	08 PUF Lvl 4 Reg. of Probate 434	3/18/2022	3/18/2022	601		IA		X								
30	08 Filter Lvl 4 Reg. of Probate 434	3/18/2022	3/18/2022	601		IA		X								
31	09 PUF Lvl 4 Probate Court 4	3/18/2022	3/18/2022	603		IA		X								
32	09 Filter Lvl 4 Probate Court 4	3/18/2022	3/18/2022	603		IA		X								
33	10 PUF Lvl 4 Corridor outside 422	3/18/2022	3/18/2022	559		IA		X								
34	10 Filter Lvl 4 Corridor outside 422	3/18/2022	3/18/2022	559		IA		X								
35	17 PUF Lvl 4 Reg. of Deeds 450	3/18/2022	3/18/2022	604		IA		X								

Comments:

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Relinquished by: (signature) Ann D. Eckmann	Date/Time: 3/21/22 ~~3/18/2022~~	Detection Limit Requirements	Special Requirements
Received by: (signature)	Date/Time: 3/21/22 1200	MA	☐ MA MCP Required
Relinquished by: (signature)	Date/Time: 3/21/22 1600		☐ MCP Certification Form Required
Received by: (signature) DC 3.8 3/21/22	Date/Time: 1600	CT	☐ CT RCP Required
Relinquished by: (signature)	Date/Time:		☐ RCP Certification Form Required
Received by: (signature)	Date/Time:	Other:	☐ Other

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Project Entity
☑ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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22C1390

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CHAIN OF CUSTODY RECORD (AIR)

Company Name:	
Address:	300 Wildwood Avenue #230 Woburn MA 01801
Phone:	781.569.0765
Project Name:	Springfield District/Ireland Court
Project Location:	50 State Street Springfield, MA 01
Project Number:	479550
Project Manager:	Ann Eckmann
Pace Analytical Quote Name/Number:	
Invoice Recipient:	
Sampled By:	Ann Eckmann / Denise Houseman / Olivia Smaracko

Requested Turnaround Time
7-Day ☐ 10-Day ☑
Due Date:

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

Data Delivery
Format: PDF ☐ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: see page 1
Fax To #:

ANALYSIS REQUESTED

Lab Use	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume	TO-10A				" Hg			Please fill out completely, sign, date and retain the yellow copy for your records	
Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	☐ m³/min ☐ L/min	Code	☐ Liters ☐ m³					Initial Pressure	Final Pressure	Lab Receipt Pressure	Summa Can ID	Flow Controller ID
36	17 Filter Lvl 4 Reg. of Deeds 450	3/18/2022	3/18/2022	604		IA		X								
37	16 PUF Lvl 4 Reg. of Deeds 400 outside 403	3/18/2022	3/18/2022	603		IA		X								
		3/18/2022	3/18/2022	" "		IA		X								
38	16 Filter Lvl 4 Reg. of Deeds 400 outside 403	3/18/2022	3/18/2022	603		IA		X								
		3/18/2022	3/18/2022	" "		IA		X								
39	21 PUF FIELD BLANK	3/18/2022	3/18/2022	—		BL		X								
40	21 Filter FIELD BLANK	3/18/2022	3/18/2022	—		BL		X								
41	12 ~~PUF Lvl 3 Records Rm (342) Filter FIELD BLANK 2~~	3/18/2022	3/18/2022	556		IA		X								
42	12 ~~Filter Lvl 3 Records Rm (342) Filter FIELD BLANK 2~~	3/18/2022	3/18/2022	556		IA		X								

Comments: please email results to:
osmaracko@trccompanies.com
dhouseman@trccompanies.com
cc: aeckmann@trccompanies.com

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
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D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature)	Ann O. Eckmann	Date/Time: 12P 3/21/22 ~~3/18/2022~~ ann
Received by: (signature)		Date/Time: 3/21/22 12P
Relinquished by: (signature)		Date/Time: 3/21/22 1600
Received by: (signature)	3.8 3/21/22	Date/Time: 1606
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ Other

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Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

Correct air volumes as shown. ADE

Pace Analytical

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East Longmeadow, MA 01028 (413) 318-0053

https://www.pacelabs.com

Doc #378 Rev 2_01122021

Pace-New England

CHAIN OF CUSTODY RECORD (AIR)

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name:	
Address:	300 Wildwood Avenue #230 Woburn MA 01801
Phone:	781.569.0765
Project Name:	Roderick L. Ireland Courthouse
Project Location:	50 State Street Springfield, MA 01
Project Number:	479550
Project Manager:	Ann Eckmann
Pace Analytical Quote Name/Number:	109205
Invoice Recipient:	TRC Accounts Payable
Sampled By:	A. Eckmann /Denise Houseman /Olivia Smaracko

Requested Turnaround Time
7-Day ☐ 10-Day ☑
Due Date:

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

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: smaracko@trccompanies.com
dhouseman@trccompanies.com

ANALYSIS REQUESTED

Lab Use	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume	TO-10A	Initial Pressure " Hg	Final Pressure " Hg	Lab Receipt Pressure " Hg	Summa Can ID	Flow Controller ID
Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	☐ ml/min ☐ L/min	Code	☐ Liters ☐ m³						
	02 PUF Plaza District Court 2 (back)	3/18/2022	3/18/2022	553		IA	2227	X					
	02 Filter Plaza District Court 2 (back)	3/18/2022	3/18/2022	553		IA	2227	X					
	04 PUF Plaza Employee Lounge 168	3/18/2022	3/18/2022	555		IA	~~2259~~	X	22.80			(22C1390-03)	
	04 Filter Plaza Employee Lounge 168	3/18/2022	3/18/2022	555		IA	~~2259~~	X	2280			(22C1390-04)	
	03 PUF Plaza District Ct Probation ~~145~~ 167	3/18/2022	3/18/2022	552		IA	~~2234~~	X	2235			(22C1390-05)	
	03 Filter Plaza District Ct Probation ~~145~~ 167	3/18/2022	3/18/2022	552		IA	~~2234~~	X	2235			(22C1390-06)	
	19 PUF Garage Lvl G55	3/18/2022	3/18/2022	445		IA	~~2213~~	X	2228			(22C1390-07)	
	19 Filter Garage Lvl G55	3/18/2022	3/18/2022	445		IA	~~2213~~	X	2228			(22C1390-08)	
	01 PUF Garage Lvl G~~1706~~	3/18/2022	3/18/2022	544	~~2218~~	IA	2218	X					

Please use correct air volumes (ADE) 4-8-22

Please fill out completely, sign, date and retain the yellow copy for your records

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Comments:

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AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature) Ann D. Eckmann	Date/Time: 12pm 3/21/22 ~~3/18/2022~~
Received by: (signature)	Date/Time: 3/21/22 1200
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ Other

Pace Analytical

NELAC and AIHA-LAP, LLC Accredited

Project Entity
☑ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MRTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhl
☐ Non Soxhl

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Pace New England: 39 Spruce Street
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318-0053

https://www.pacelabs.com/

Doc #378 Rev 2_01122021
Pace-New England

CHAIN OF CUSTODY RECORD (AIR)

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name:	
Address:	300 Wildwood Avenue #230 Woburn MA 01801
Phone:	781.569.0765
Project Name:	Springfield District/Ireland Court
Project Location:	50 State Street Springfield, MA 01
Project Number:	479550
Project Manager:	Ann Eckmann
Pace Analytical Quote Name/Number	
Invoice Recipient:	
Sampled By:	Ann Eckmann / Denise Houseman / Olivia Smaracko

Requested Turnaround Time
7-Day ☐ 10-Day ☑
Due Date:

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

Data Delivery
Format: PDF ☐ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: see page 1
Fax To #:

ANALYSIS REQUESTED

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Lab Use: Pace Analytical Work Order#	Client Use: Client Sample ID / Description	Collection Data: Beginning Date/Time	Collection Data: Ending Date/Time	Duration: Total Minutes Sampled	Flow Rate: ml/min ☐ L/min ☐	Matrix: Code	Volume: Liters ☐ m³ ☐	TO-10A	" Hg: Initial Pressure	" Hg: Final Pressure	" Hg: Lab Receipt Pressure	Summa Can ID	Flow Controller ID
	01 Filter Garage Lvl G~~17~~06	3/18/2022	3/18/2022	544	2218 (DH)	IA	2218	X					
	05 PUF Lvl 2 249	3/18/2022	3/18/2022	~~606~~	566 (DH)	IA	2300	X					
	05 Filter Lvl 2 249	3/18/2022	3/18/2022	~~606~~	566 (DH)	IA	2300	X					
	07 PUF Lvl 2 District Court 3	3/18/2022	3/18/2022	544		IA	~~2272~~	X	2271				
	07 Filter Lvl 2 District Court 3	3/18/2022	3/18/2022	544		IA	~~2272~~	X	2271				
	06 PUF Lvl 2 204A	3/18/2022	3/18/2022	~~629~~	544 (DH)	IA	~~2281~~	X	2264				
	06 Filter Lvl 2 204A	3/18/2022	3/18/2022	~~629~~	544 (DH)	IA	~~2281~~	X	2264				
	18 PUF Lvl 3 Law Library	3/18/2022	3/18/2022	553		IA	2334	X					
	18 Filter Lvl 3 Law Library	3/18/2022	3/18/2022	553		IA	2334	X					

Please correct air volumes (ADE) 4-8-22

(22C1390-13)
(22C1390-14)
(22C1390-15)
(22C1390-16)

Comments:

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D = DUP
BL = BLANK
O = Other_____

	Date/Time:
Relinquished by: (signature) Ann D. Eckmann	3/21/22 1200 (ADE) 3/18/2022
Received by: (signature)	3/21/22 1200
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ Other

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Project Entity
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Other
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Analytical — New England: 39 Spruce Street, East Longmeadow, MA 01028 (413) 318-0053

https://www.pacelabs.com/

Doc #378 Rev 2_01122021 Pace-New England

Page 3 of 5

CHAIN OF CUSTODY RECORD (AIR)

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name:	
Address:	300 Wildwood Avenue #230 Woburn MA 01801
Phone:	781.569.0765
Project Name:	Springfield District/Ireland Court
Project Location:	50 State Street Springfield, MA 01
Project Number:	479550
Project Manager:	Ann Eckmann
Pace Analytical Quote Name/Number	
Invoice Recipient:	
Sampled By:	Ann Eckmann / Denise Houseman / Olivia Smaracko

Requested Turnaround Time
7-Day ☐ 10-Day ☑
Due Date:

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

Data Delivery
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Other:
CLP Like Data Pkg Required: ☐
Email To: see page 1
Fax To #:

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	13 PUF Lvl 3 Superior Court 3	3/18/2022	3/18/2022	569		IA	~~2320~~	X	2321				(22C1390-19)	
	13 Filter Lvl 3 Superior Court 3	3/18/2022	3/18/2022	569		IA	~~2320~~	X	2321				(22C1390-20)	
	15 PUF Lvl 3 Corridor near 323	3/18/2022	3/18/2022	562		IA	~~2307~~	X	2308				(22C1390-21)	
	15 Filter Lvl 3 Corridor near 323	3/18/2022	3/18/2022	562		IA	~~2307~~	X	2308				(22C1390-22)	
	14 PUF Lvl 3 Attorney's Lounge	3/18/2022	3/18/2022	553		IA	~~2297~~	X	2198				(22C1390-23)	
	14 Filter Lvl 3 Attorney's Lounge	3/18/2022	3/18/2022	553		IA	~~2297~~	X	2198				(22C1390-24)	
	20 PUF Lvl 3 District Attorney ~~370~~ 371 ADE	3/18/2022	3/18/2022	~~418~~	538 DH	IA	2658	X						
	22 Filter Lvl 3 District Attorney ~~370~~ 371 ADE	3/18/2022	3/18/2022	~~418~~	538 DH	IA	2658	X						
						IA		X						

Please correct air volumes ADE 4-8-22

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Relinquished by: (signature) Ann D. Eckmann	Date/Time: 3/21/22 1200 ~~3/18/2022~~
Received by: (signature)	Date/Time: 3/21/22 1200
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

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MA
CT
Other:

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Pace-New England

.com/contact-us/contact-environmental-sciences/

CHAIN OF CUSTODY RECORD (AIR)

Company Name:	
Address:	300 Wildwood Avenue #230 Woburn MA 01801
Phone:	781.569.0765
Project Name:	Springfield District/Ireland Court
Project Location:	50 State Street Springfield, MA 01
Project Number:	479550
Project Manager:	Ann Eckmann
Pace Analytical Quote Name/Number	
Invoice Recipient:	
Sampled By:	Ann Eckmann / Denise Houseman / Olivia Smaracko

Requested Turnaround Time
7-Day ☐ 10-Day ☑
Due Date:

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

Data Delivery
Format: PDF ☐ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: see page 1
Fax To #:

ANALYSIS REQUESTED

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to the Pace Analytical Air Media Agreement

Lab Use	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume	TO-10A	" Hg			Summa Can ID	Flow Controller ID
Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	☐ m³/min ☐ L/min	Code	☐ Liters ☐ m³		Initial Pressure	Final Pressure	Lab Receipt Pressure		
	11 PUF Lvl 4 Jury Pool 446 @window	3/18/2022	3/18/2022	588	~~24~~ OH	IA	~~2440~~	X	2441			(22C1390-27),	
	11 Filter Lvl 4 Jury Pool 446 @window	3/18/2022	3/18/2022	588		IA	~~2440~~	X	2441			(22C1390-28)	
	08 PUF Lvl 4 Reg. of Probate 434	3/18/2022	3/18/2022	601		IA	2400	X				*	
	08 Filter Lvl 4 Reg. of Probate 434	3/18/2022	3/18/2022	601		IA	2400	X					
	09 PUF Lvl 4 Probate Court 4	3/18/2022	3/18/2022	~~603~~	588 OH	IA	~~2559~~	X	2554			(22C1390-31)	
	09 Filter Lvl 4 Probate Court 4	3/18/2022	3/18/2022	~~603~~	588 OH	IA	~~2559~~	X	2554			(22C1390-32)	
	10 PUF Lvl 4 Corridor outside 422	3/18/2022	3/18/2022	599		IA	2384	X				*	
	10 Filter Lvl 4 Corridor outside 422	3/18/2022	3/18/2022	599		IA	2384	X					
	17 PUF Lvl 4 Reg. of Deeds 450	3/18/2022	3/18/2022	604		IA	2459	X					

* Please correct air volumes (ADE 8.22 4-8

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_____

	Date/Time:
Relinquished by: (signature) Ann D. Eckmann	~~3/18/2022~~ 3/21/22
Received by: (signature)	3/21/22 1200
Relinquished by: (signature)	
Received by: (signature)	
Relinquished by: (signature)	
Received by: (signature)	

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ Other

Pace Analytical®
NELAC and AIHA-LAP, LLC Accredited

Project Entity
☑ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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orrect air volumes as shown. ADE

Pace Analytical®

Pace New England: 39 Spruce Street
East Longmeadow, MA 01028 (413)
318-0053

https://www.pacelabs.com/

Doc #378 Rev 2_01122021
Pace-New England

CHAIN OF CUSTODY RECORD (AIR)

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Lab Use: Pace Analytical Work Order#	Client Use: Client Sample ID / Description	Collection Data: Beginning Date/Time	Collection Data: Ending Date/Time	Duration: Total Minutes Sampled	Flow Rate: m³/min ☐ L/min ☐	Matrix: Code	Volume: Liters ☐ m³ ☐	TO-10A	" Hg: Initial Pressure	" Hg: Final Pressure	" Hg: Lab Receipt Pressure	Summa Can ID	Flow Controller ID
	17 Filter Lvl 4 Reg. of Deeds 450	3/18/2022	3/18/2022	604		IA	2459	X					
	16 PUF Lvl 4	3/18/2022	3/18/2022	603		IA	~~2602~~	X	25.7	7	(22C1390-37)		
	Reg. of Deeds 400 outside 403	3/18/2022	3/18/2022	\ /		IA		X					
	16 Filter Lvl 4	3/18/2022	3/18/2022	603		IA	~~2602~~	X	25.7	7	(22C1390-38)		
	Reg. of Deeds 400 outside 403	3/18/2022	3/18/2022	\ /		IA		X					
	21 PUF FIELD BLANK	3/18/2022	3/18/2022	—		BL		X					
	21 Filter FIELD BLANK	3/18/2022	3/18/2022	—		BL		X					
	12 ~~PUF Lvl 3 Records Rm (332) Filter FIELD BLANK 2~~	3/18/2022	3/18/2022	556		IA	~~2267~~	X	22.6	6	(22C1390-41)		
	12 ~~Filter Lvl 3 Records Rm (332) Filter FIELD BLANK 2~~	3/18/2022	3/18/2022	556		IA	~~2267~~	X	22.6	6	(22C1390-42)		

please correct air volumes and 4-8-22

Comments: please email results to:
osmaracko@trccompanies.com
dhouseman@trccompanies.com
cc: aeckmann@trccompanies.com

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) Ann B. Eckmann	Date/Time: 3/21/22 ~~3/18/2022~~	12P EDT
Received by: (signature)	Date/Time: 3/21/22	12P
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Detection Limit Requirements
MA
CT
Other:

Special Requirements
MA MCP Required ☐
MCP Certification Form Required
CT RCP Required ☐
RCP Certification Form Required
Other ☐

Pace Analytical®
NELAC and AIHA-LAP, LLC Accredited

Project Entity
Government ☑ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

Other
Chromatogram ☐
AIHA-LAP,LLC ☐

PCB ONLY
Sox ☐
Non Sox ☐

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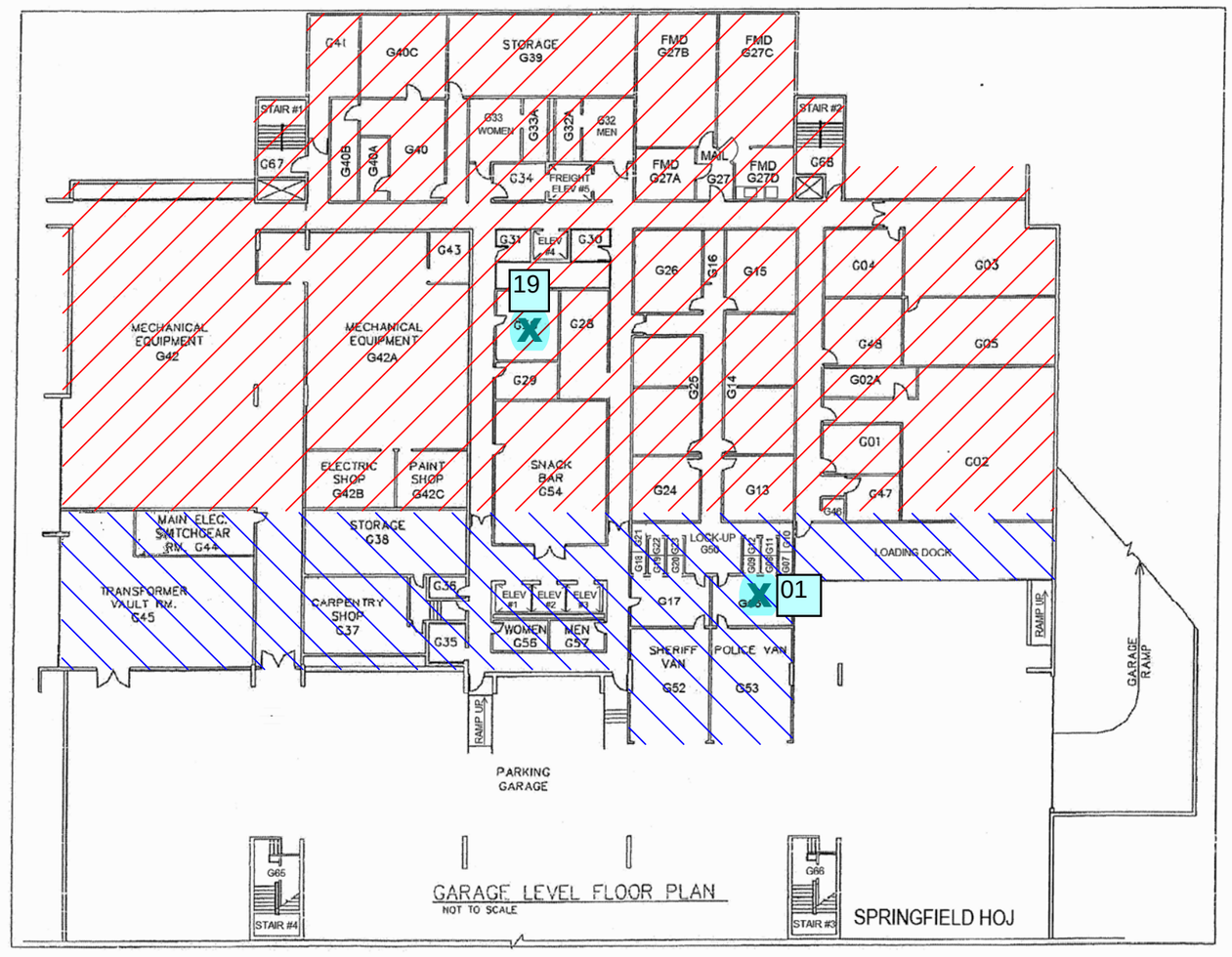
APPENDIX B
MAP OF AIR SAMPLE LOCATIONS

Connecticut River

Building West



Building North

AC 3

AC 4

X ## - PCB air sample location

300 Wildwood Avenue, Suite 230
Woburn, MA 01801
Tel: 781.933.2555
Fax 781.932.9402
www.TRCCompanies.com

TRC Project 479550

Client:
Massachusetts Trial Courts
Facilities Management
& Capital Planning
Suffolk County Courthouse
3 Pemberton Square, Suite 106
Boston, MA 02108

Site:
Roderick L. Ireland Courthouse
50 State Street
Springfield, Massachusetts

PCB Air Sample Locations
3/18/2022

Approximate Ventilation Zones
as Reported by Client

Garage Level

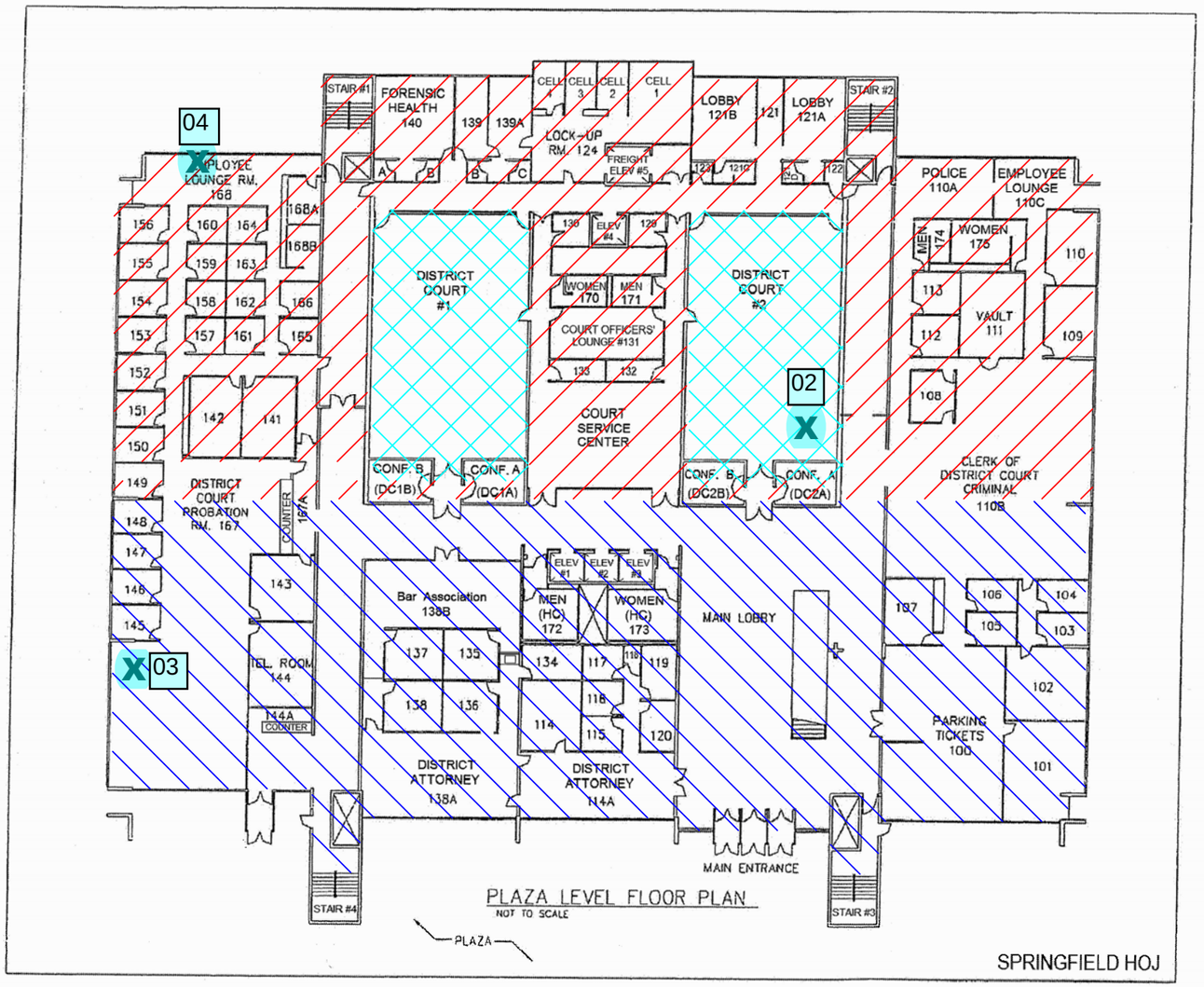
NOT TO SCALE

Edited by: HAJ

Approximate North

Connecticut River

Building West



Building North

AC 3

AC 4

AC 1

X ## - PCB air sample location

300 Wildwood Avenue, Suite 230
Woburn, MA 01801
Tel: 781.933.2555
Fax 781.932.9402
www.TRCCompanies.com

TRC Project 479550

Client:
Massachusetts Trial Courts
Suffolk County Courthouse
3 Pemberton Square, Suite 106
Boston, MA 02108

Site:
Roderick L. Ireland Courthouse
50 State Street
Springfield, Massachusetts

PCB Air Sample Locations
3/18/2022

Approximate Ventilation Zones
as Reported by Client

Plaza Level

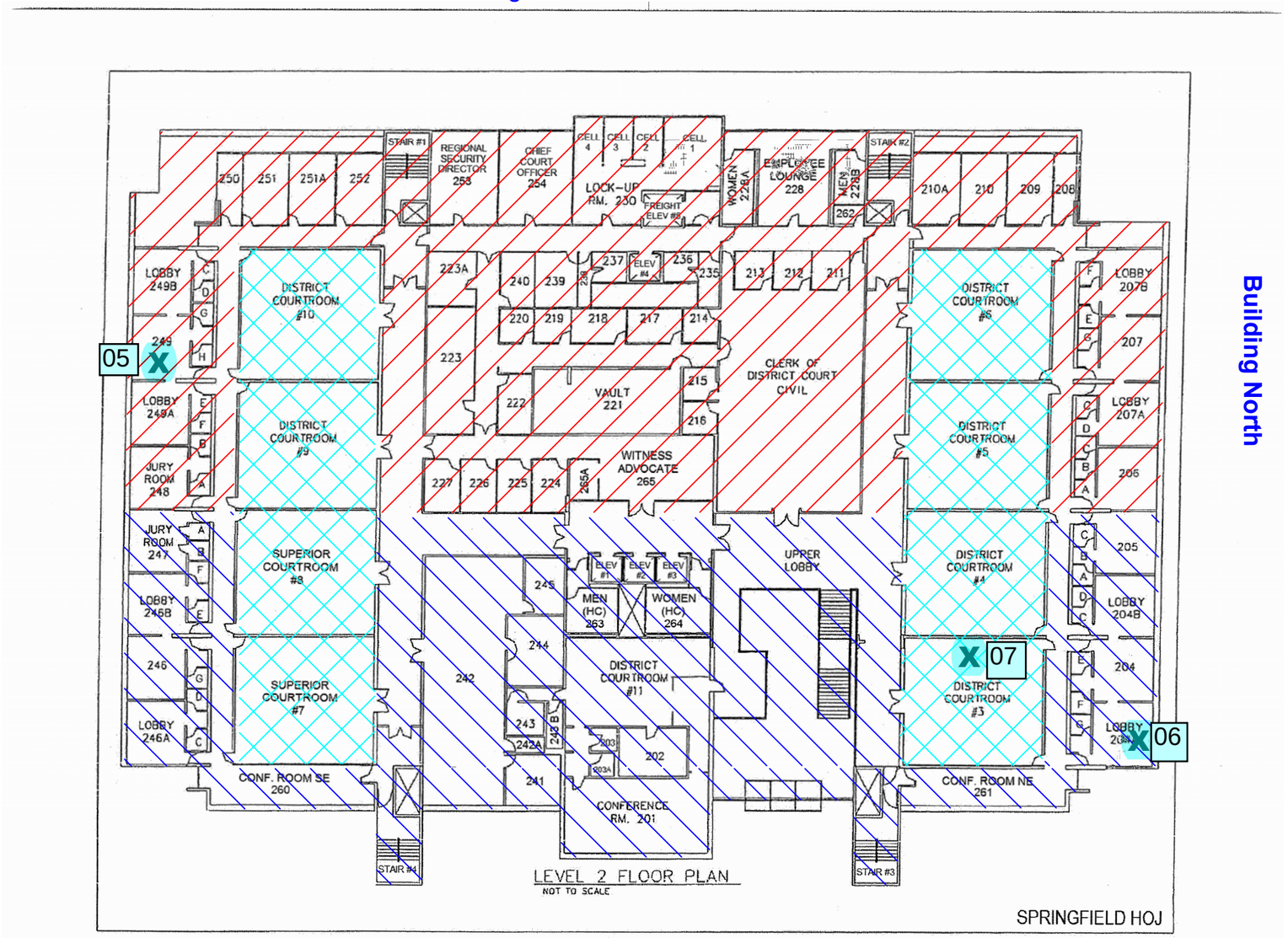
NOT TO SCALE

Edited by: HAJ

Approximate North

Connecticut River

Building West



Building North

AC 3

AC 4

AC 1

X ## - PCB air sample location

300 Wildwood Avenue, Suite 230
Woburn, MA 01801
Tel: 781.933.2555
Fax 781.932.9402
www.TRCCompanies.com

TRC Project 479550

Client:
Massachusetts Trial Courts
Facilities Management
& Capital Planning
Suffolk County Courthouse
3 Pemberton Square, Suite 106
Boston, MA 02108

Site:
Roderick L. Ireland Courthouse
50 State Street
Springfield, Massachusetts

PCB Air Sample Locations
3/18/2022
Approximate Ventilation Zones
as Reported by Client

Second Floor

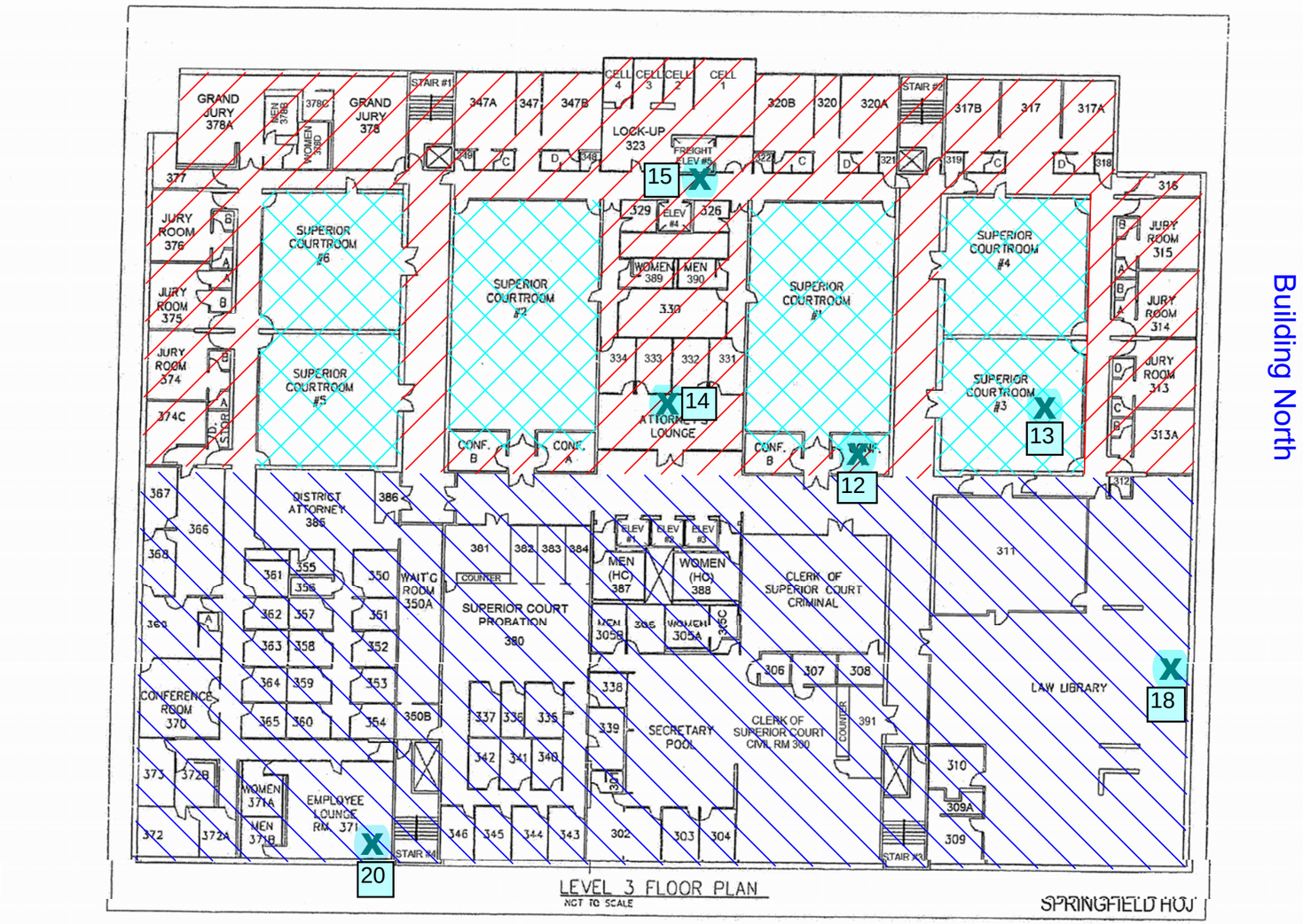
NOT TO SCALE

Edited by: HAJ

Approximate North

Connecticut River

Building West



Building North

AC 3

AC 4

AC 1

X ## - PCB air sample location

300 Wildwood Avenue, Suite 230
Woburn, MA 01801
Tel: 781.933.2555
Fax 781.932.9402
www.TRCCompanies.com

TRC Project 479550

Client:
Massachusetts Trial Courts
Suffolk County Courthouse
3 Pemberton Square, Suite 106
Boston, MA 02108

Site:
Roderick L. Ireland Courthouse
50 State Street
Springfield, Massachusetts

PCB Air Sample Locations
3/18/2022

Approximate Ventilation Zones
as Reported by Client

Third Floor

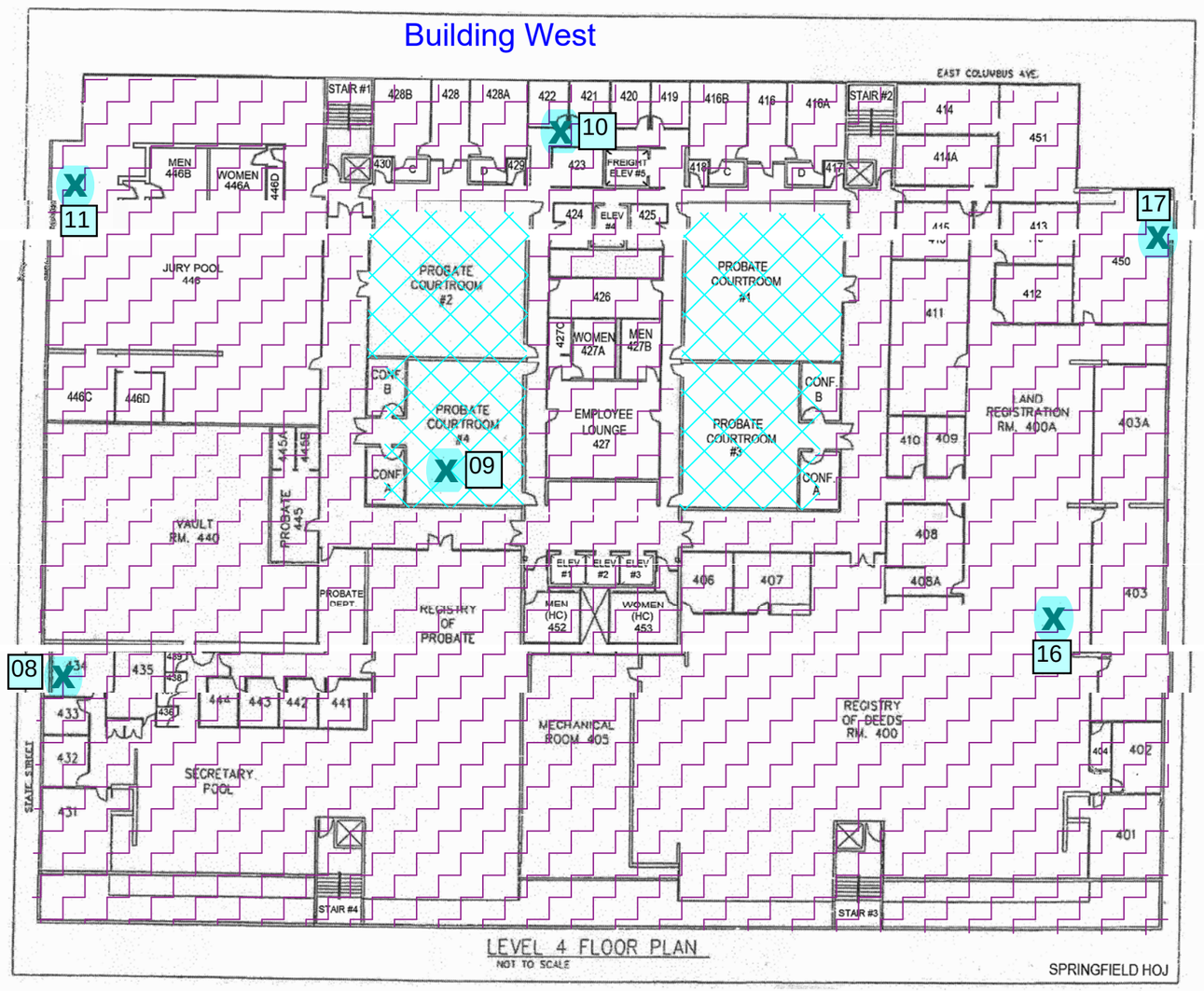
NOT TO SCALE

	Edited by: HAJ

Approximate North

Connecticut River

Building West



AC 2

AC 1

X ## - PCB air sample location

TRC

300 Wildwood Avenue, Suite 230
Woburn, MA 01801
Tel: 781.933.2555
Fax 781.932.9402
www.TRCCompanies.com

TRC Project 479550

Client:
Massachusetts Trial Courts
Suffolk County Courthouse
3 Pemberton Square, Suite 106
Boston, MA 02108

Site:
Roderick L. Ireland Courthouse
50 State Street
Springfield, Massachusetts

PCB Air Sample Locations
3/18/2022

Approximate Ventilation Zones
as Reported by Client

Fourth Floor

NOT TO SCALE

Edited by: HAJ

Approximate North

APPENDIX C
AIR SAMPLE COLLECTION TIMES AND AIR VOLUME CALCULATIONS

Time on	Time off	Flow on L/min	Flow off L/min	Ave flow L/min	Total time sampled	Minutes sampled	Sampled Air Volume		Sample ID	
8:17	12:30	4.089	4.083	4.086	4:13	253	1033.76			
12:30	15:11	4.083	4.054	4.0685	2:41	161	655.03			
15:11	17:07	4.054	4.086	4.07	1:56	116	472.12			
17:07	17:21	4.086	4.081	4.0835	0:14	14	57.17			
						Total volume	2218.08		1	G06 - lock up office
8:24	12:18	3.99	4.022	4.006	3:54	234	937.40			
12:18	15:07	4.022	4.044	4.033	2:49	169	681.58			
15:07	16:56	4.044	4.057	4.051	1:49	109	441.50			
16:56	17:37	4.057	4.062	4.060	0:41	41	166.44			
						Total volume	2226.93		2	Plaza Level District Court 2
8:31	12:23	4.065	4.023	4.044	3:52	232	938.21			
12:23	15:01	4.023	4.057	4.04	2:38	158	638.32			
15:01	17:01	4.057	4.067	4.062	2:00	120	487.44			
17:01	17:43	4.067	4.073	4.07	0:42	42	170.94			
						Total volume	2234.91		3	Probation Room 167, east corner near records rolling files
8:34	12:21	3.99	4.102	4.046	3:47	227	918.44			
12:21	15:03	4.102	4.169	4.1355	2:42	162	669.95			
15:03	17:03	4.169	4.165	4.167	2:00	120	500.04			
17:03	17:49	4.165	4.158	4.1615	0:46	46	191.43			
						Total volume	2279.86		4	Plaza Level Employee Lounge 168 on west-facing window ledge
8:49	12:10	4.029	4.019	4.024	3:21	201	808.82			
12:10	14:49	4.019	4.096	4.0575	2:39	159	645.14			
14:49	16:03	4.096	4.100	4.098	1:14	74	303.25			
16:03	18:15	4.100	4.125	4.1125	2:12	132	542.85			
						Total volume	2300.07		5	Level 2, Room 249 on desk
8:56	10:13	3.99		3.99	1:17	77	307.23			pump found stopped at 11:38, appears to have run for 77 minutes from pump display
	11:38									if so volume for first 77 min estimated to be 3.99 x 77 = 307 liters
12:00	13:56	4.920	4.866	4.893	1:56	116	567.59			restart at 12:00 pm with high volume pump, collect at least 2,100 liters
13:56	15:53	4.866	4.843	4.8545	1:57	117	567.98			
15:53	19:47	4.843	4.803	4.823	3:54	234	1128.58			
						Starting 12:00 total volume	2264.15		6	Level 2, Room 204A on table
						Including first 77 minutes volume	307.23			2264 liters is the most conservative value, provides the greatest PCB concentration
							2571.38			

Time on	Time off	Flow on L/min	Flow off L/min	Ave flow L/min	Total time sampled	Minutes sampled	Sampled Air Volume		Sample ID	
9:02	11:54	4.010	4.07	4.040	2:52	172	694.88			
11:54	13:45	4.07	4.250	4.160	1:51	111	461.76			
13:45	15:57	4.250	4.287	4.2685	2:12	132	563.44			
15:57	18:06	4.287	4.260	4.2735	2:09	129	551.28			
						Total volume	2271.36		7	Level 2, District Courtroom 3
9:21	10:46	3.99	3.962	3.976	1:25	85	337.96			
10:46	13:13	3.962	4.012	3.987	2:27	147	586.09			
13:13	16:08	4.012	3.991	4.002	2:55	175	700.26			
16:08	19:22	3.991	4.010	4.001	3:14	194	776.10			
						Total volume	2400.41		8	Level 4, Registry of Probate Room 434
9:27	10:58	4.044		4.044	1:31	91	368.00			stem of PUF sampler breaks during flow check at 10:58 - stop sample
11:11	13:18	3.0	3.0	3.0	2:07	127	381.00			repair stem+sample tube connection, re-start sample, stop at 13:18+attach hi-vol pump
13:20	16:19	4.955	4.841	4.9	2:59	179	876.74			re-start sample with high-volume pump
16:19	19:30	4.841	4.884	4.9	3:11	191	928.74			
						Total volume	2554.48		9	Level 4, Probate Courtroom 4 on Judge's bench
9:35	10:55	3.98	3.95	3.965	1:20	80	317.20			
10:55	13:17	3.95	3.985	3.968	2:22	142	563.39			
13:17	16:12	3.985	3.994	3.990	2:55	175	698.16			
16:12	19:34	3.994	3.976	3.985	3:22	202	804.97			
						Total volume	2383.72		10	Level 4, corridor outside 422
9:38	10:50	4.202	4.11	4.156	1:12	72	299.23			
10:50	14:56	4.11	4.155	4.133	4:06	246	1016.60			
14:56	19:26	4.155	4.176	4.166	4:30	270	1124.69			
						Total volume	2440.51		11	Level 4, Jury Pool, on table near windows and water/caulk damage
9:21	11:29	3.99	4.05	4.020	2:08	128	514.56			
11:29	13:32	4.05	4.097	4.074	2:03	123	501.04			
13:32	16:29	4.097	4.104	4.101	2:57	177	725.79			
16:29	18:37	4.104	4.095	4.100	2:08	128	524.74			
						Total volume	2266.13		12	Level 3, Records Room outside Superior Courtroom 1 (Room 332)
9:25	11:35	4.129	4.01	4.070	2:10	130	529.04			
11:35	13:36	4.01	4.077	4.044	2:01	121	489.26			
13:36	16:32	4.077	4.111	4.094	2:56	176	720.54			
16:32	18:54	4.111	4.093	4.102	2:22	142	582.48			
						Total volume	2321.33		13	Level 3, Superior Courroom 3

Time on	Time off	Flow on L/min	Flow off L/min	Ave flow L/min	Total time sampled	Minutes sampled	Sampled Air Volume		Sample ID	
9:19	11:27	3.99	4.005	3.998	2:08	128	511.68			
11:27	13:30	4.005	4.042	4.024	2:03	123	494.89			
13:30	16:27	4.042	4.092	4.067	2:57	177	719.86			
16:37	18:32	4.092	4.106	4.099	1:55	115	471.39			
						Total volume	2197.81		14	Level 3, Attorney's lounge
9:28	11:37	4.129	3.935	4.032	2:09	129	520.13			
11:37	13:38	3.935	4.082	4.009	2:01	121	485.03			
13:38	16:39	4.082	4.235	4.159	3:01	181	752.69			
16:39	18:50	4.235	4.157	4.196	2:11	131	549.68			
						Total volume	2307.52		15	Level 3, corridor outside Room 323
9:34	11:15	3.99	4.79	4.390	1:41	101	443.39			stop at 11:15
11:20	13:26	4.144	4.28	4.212	2:06	126	530.71			adjust flow rate and re-start 11:20
13:26	16:21	4.28	4.333	4.307	2:55	175	753.64			
16:21	19:37	4.333	4.331	4.332	3:16	196	849.07			
						Total volume	2576.81		16	Level 4, Registry of Deeds outside Room 403
9:36	11:22	4.055	3.95	4.003	1:46	106	424.27			
11:22	13:28	3.95	4.117	4.034	2:06	126	508.22			
13:28	16:23	4.117	4.089	4.103	2:55	175	718.03			
16:23	19:40	4.089	4.123	4.106	3:17	197	808.88			
						Total volume	2459.39		17	Level 4, Registry of Deeds Room 450, near windows
										and reported prior water leaks
9:44	11:32	3.99	4.185	4.088	1:48	108	441.45			
11:32	13:34	4.185	4.271	4.228	2:02	122	515.82			
13:34	18:57	4.271	4.252	4.262	5:23	323	1376.46			
						Total volume	2333.73		18	Level 3, Law Library, building-west corner near water-damage at windows
9:47	12:33	4.976	4.980	4.978	2:46	166	826.35			
12:33	15:13	4.980	4.962	4.971	2:40	160	795.36			
15:13	17:15	4.962	4.979	4.971	2:02	122	606.40			
						Total volume	2228.11		19	Ground Level, Room G55 (Al Benoit office)
10:05	11:42	4.991	4.975	4.983	1:37	97	483.35			
11:42	13:40	4.975	4.914	4.945	1:58	118	583.45			
13:40	16:47	4.914	4.931	4.923	3:07	187	920.51			
16:47	19:03	4.931	4.937	4.934	2:16	136	671.02			
						Total volume	2658.33		20	Level 3, District Attorney's office Room 371 break room near window,
										below water damage at ceiling