Building 339
Jane Bakes
Indoor Air Quality Testing
Summary Report

at
iPark 84
Former IBM East Fishkill Facility

December 2019

Prepared for:

Jessica LaClair
New York State Dept. of Environmental Conservation
Dept. of Environmental Remediation
625 Broadway
Albany, New York 12233-7013

WALDEN ENVIRONMENTAL ENGINEERING, PLLC
Industry Leader in Environmental Engineering Consulting
PROACTIVE SOLUTIONS SINCE 1995

WALDEN ENVIRONMENTAL ENGINEERING

Sent via email to jess.laclair@dec.ny.gov

December 6, 2019
iPARK0118.34

Ms. Jessica LaClair
Environmental Engineer
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7013

Re: iPark 84, Former IBM East Fishkill Facility
Building 339 - Jane Bakes
Indoor Air Quality Testing Summary Report

Dear Ms. LaClair:

Walden Environmental Engineering, PLLC (Walden) has prepared this letter on behalf of iPark East Fishkill LLC (iPark) to summarize the results of the indoor air quality (IAQ) testing conducted on December 2, 2019 in Building 339 at the Former IBM East Fishkill facility (Facility). Building 339 is owned by iPark; Jane Bakes is leasing this building, where it will perform bakery manufacturing and packaging operations. Refer to Figure 1 for the site location map. IAQ testing was conducted in the Jane Bakes space prior to tenant occupancy as required by NYSDEC and NYSDOH. The purpose of the testing was to verify that IAQ is acceptable before the tenant takes occupancy and begins operating in Building 339.

Walden, at the request of iPark, performed the IAQ testing in accordance with prescribed protocols previously approved by NYSDEC. All work was performed in accordance with the *RCRA Facility Investigation (RFI) VOC Source Assessment Work Plan* (RFI Work Plan) dated June 15, 2009, prepared by Sanborn, Head Engineering, PC and Walden's IAQ Testing Plan letter (Testing Plan) dated November 20, 2019 which was approved by NYSDEC on November 22, 2019.

Summary of HVAC Conditions Within the Building

Building 339 is served by two (2) packaged 6-ton rooftop handling units (RTU) on the roof and one (1) 2-ton, 3-zone ductless split unit; iPark installed the HVAC equipment during the recent renovation work. The Jane Bakes HVAC system is comprised of 17 supply diffusers with a total

cooling capacity of 6,035 CFM, and a calculated 5.99 air changes per hour for the space as a whole. During the December 2nd IAQ sampling, iPark operated the HVAC system under the same conditions anticipated during normal operations once the tenant takes occupancy.

Summary of IAQ Testing

IAQ testing was conducted in accordance with the procedures outlined in the NYSDEC-approved RFI Work Plan and Testing Plan. Samples were collected using 6-liter, individually certified clean, stainless-steel Summa® canisters (Summa® Canisters). The Summa® Canisters were calibrated by the laboratory with flow controllers to obtain 8-hour time-averaged samples. Indoor air samples were collected from a height of approximately 2.5 feet above the ground surface at the following seven (7) locations throughout the Jane Bakes space, which are depicted on Figure 2:

Sample ID	Sampling Area
IA-1	Northern section of building; near freezer area
IA-2	Northern section of building; near oven area
IA-3	Middle section of building; in western office area
IA-4	Middle section of building; in eastern office area
IA-5	Middle section of building; in kitchen
IA-6	Southern section of building; western portion near extruders/mixers area
IA-7	Southern section of building; eastern portion in open area

A duplicate sample (DUPLICATE) was collected at location IA-7. Additionally, one outdoor ambient air sample (AMBIENT AIR) was collected during the investigation at one of the Building 339 rooftop air intakes for the HVAC system to assess the potential impact of background conditions on the IAQ results. A field blank was also collected by transferring lab-grade nitrogen directly from a compressed gas canister into a Summa® Canister.

PID readings were collected at each sample location immediately before sample collection began to evaluate whether VOCs were present in the Jane Bakes space and had the potential to impact the IAQ results. PID concentrations of 0.1 ppm were recorded at the indoor air sampling locations. These PID screening measurements indicated no apparent air quality impacts. The only odor noted during the December 2nd sampling event was a paint odor in the eastern office area near sample location IA-4 as a result of the recently completed construction work; no other odors were noted in the building. The only chemicals observed in the building were four (4) sealed 5-gallon buckets of paint in the corner of the kitchen area near sample location IA-5; no odors were observed at this location.

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All samples were transferred to Phoenix Labs of Manchester, CT, a NYSDOH ELAP certified laboratory (NYSDOH ELAP #11301) under chain of custody for analysis of volatile organic compound (VOC) analytes via modified Method TO-15 as specified in the June 2009 *RFI Work Plan.*

Please see Table 1 for a summary of field sampling information, Table 2 for a summary of the IAQ analytical data, Attachment 1 for a photographic log of the sampling locations, and Attachment 2 for the full laboratory analytical report. A Data Usability Summary Report (DUSR) is being prepared and will be submitted under separate cover.

Results and Discussion

The Jane Bakes IAQ analytical data were compared to the typical indoor air background concentrations published in USEPA's 2001 Building Assessment and Survey Evaluation (BASE) database. When developing BASE, USEPA collected indoor air samples at randomly selected office and commercial buildings using Summa® canisters. Table 2 presents the Jane Bakes IAQ data compared to the 75th, 90th, 95th and 99th percentile indoor air BASE concentrations for reference in comparing the VOC data to typical indoor background concentrations.

All of the VOC concentrations detected in the Jane Bakes IAQ samples were below the 75th percentile background concentrations listed in the USEPA BASE database as noted in Table 2, indicating that indoor air quality is acceptable. Based on the results from the Jane Bakes pre-occupancy IAQ testing presented herein, please confirm that Building 339 is suitable for occupancy by the tenant.

Please call me at (516) 624-7200 if you have any questions or need any additional information.

Very truly yours,
Walden Environmental Engineering, PLLC

Nora M. Brew, P.E.
Senior Project Manager

Attachments:
Figure 1 – Site Location Map
Figure 2 – Sampling Locations
Table 1 – Summary of Field Information
Table 2 – Summary of IAQ Analysis
Attachment 1 – Photographic Log of Sampling Locations
Attachment 2 – Laboratory Analytical Report

cc: J. Kenney, NYSDOH
C. Monheit, iPark East Fishkill LLC
M. Buckley, iPark East Fishkill LLC
D. Chartrand, IBM

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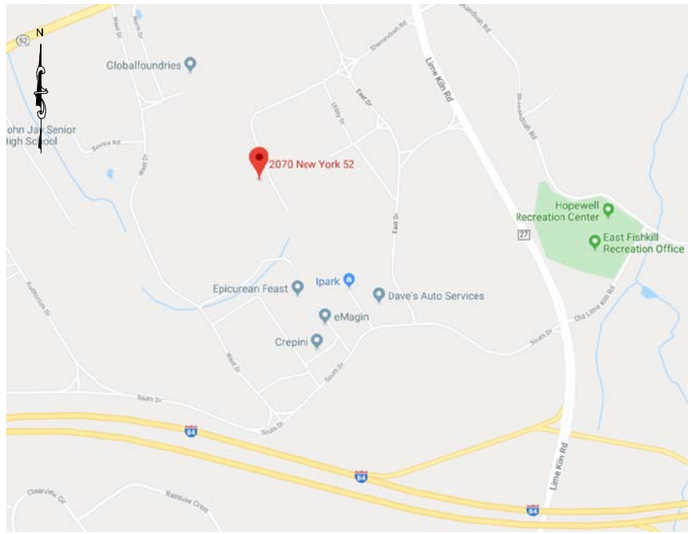
Figure 1

Site Location Map



LOCATION MAP

N.T.S.

SOURCE: WWW.GOOGLEMAPS.COM

SITE PLAN

N.T.S.

Walden Environmental Engineering

WALDEN ENVIRONMENTAL ENGINEERING, PLLC
IPARK 84 CAMPUS, 200 NORTH DRIVE, SUITE #108
HOPEWELL JUNCTION, NEW YORK 12533
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F: (516) 624-3219
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REVISION		
No.	DATE	COMMENTS

FOR: BUILDING 339
iPark 84 Campus
2070 State Route 52
Hopewell Junction, NY 12533

FIGURE TITLE: SITE PLAN
BUILDING 339
PRE-OCCUPANCY IAQ TESTING

FIGURE NO: 1

ISSUED

REVISION NO: 0

DESIGNED BY: NMB | DRAWN BY: EJK / LTG | JOB NO: IPARK0118.34 | DATE: 12/5/19 | 11x17 | SHEET NO: 1 OF 2

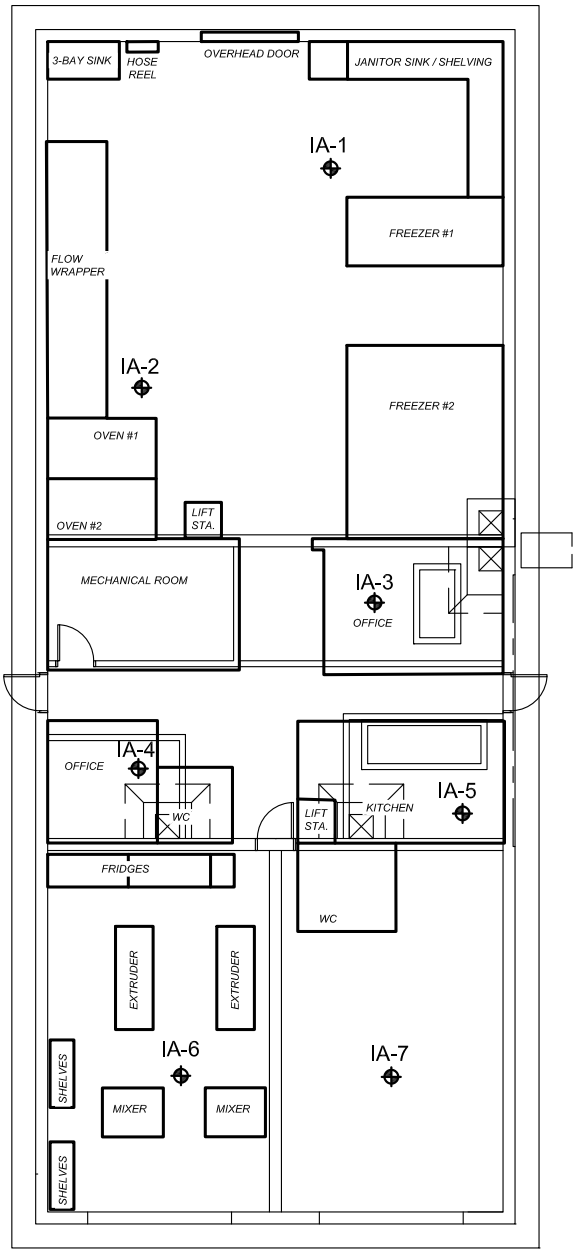
APPROVED BY: JMH | SCALE: AS NOTED | CAD FILE NAME: Z:\IPark\0118\IPark0118.34 – Bldg 339 Fitup\FOR NMB\IPark0118.34 SITE PLAN FOR REPORT.dwg

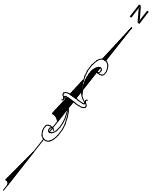
Figure 2

Sampling Locations

NOTES:

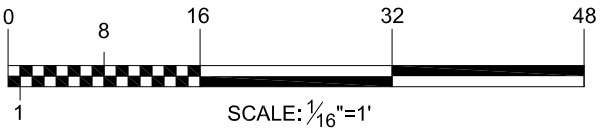
1. AMBIENT AIR SAMPLE WAS COLLECTED OUTDOORS ON THE BUILDING ROOF, ADJACENT TO THE HVAC AIR INTAKE.
2. A DUPLICATE SAMPLE WAS COLLECTED AT SAMPLE LOCATION IA-7.





BUILDING 339 INDOOR AIR SAMPLE LOCATIONS

SCALE: 1/16" = 1'-0"



LEGEND:

⊕ INDOOR AIR SAMPLING LOCATIONS

WALDEN ENVIRONMENTAL ENGINEERING, PLLC
16 SPRING STREET
OYSTER BAY, NEW YORK 11771
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FOR: BUILDING 339, iPARK 84 CAMPUS, 2070 State Route 52, Hopewell Junction, NY 12533		FIGURE TITLE: BUILDING 339: INDOOR AIR SAMPLE LOCATIONS			FIGURE NO: 2
DESIGNED BY: NMB	DRAWN BY: LS / LTG	JOB NO: iPARK0118.34	DATE: 12/5/19	8½x11	SHEET NO: 2 OF 2
APPROVED BY: NMB	SCALE: AS NOTED	CAD FILE NAME: Z:\iPark0118\iPark0118.34 - Bldg 339 Fitup\FOR NMB\iPARK339_SAMPLE LOC FOR REPORT.dwg			

Table 1

Summary of Field Information

iPARK 84 Campus
2070 NY-Route 52
Hopewell Junction, New York

TABLE 1
SUMMARY OF INDOOR AIR SAMPLE INFORMATION
BUILDING 339-JANE BAKES SPACE
DECEMBER 2, 2019

Sample Location	Building Floor	Sample Matrix	Canister Number	Regulator Number	Sample Height (feet above floor)	Start Time (24-hour format)	Start Pressure (mmHg)	PID Reading (ppm)	Stop Time (24-hour format)	Stop Pressure (mmHg)	Temperature (°F)	Location Description	Chemicals Observed Near Sample Location
IA-1	Ground	Indoor Air	23318	6985	2.5	0902	-29	0.1	1703	-4.5	65	Northern section, near freezer area	None observed
IA-2	Ground	Indoor Air	13645	6991	2.5	0901	-29	0.1	1647	.3.5	65	Northern section, near oven area	None observed
IA-3	Ground	Indoor Air	216	5385	2.5	0855	>-30	0.1	1517	-3.5	65	Western office area	None observed
IA-4	Ground	Indoor Air	2359	5390	2.5	0904	>-30	0.1	1705	-6.5	65	Eastern office area	None observed
IA-5	Ground	Indoor Air	19632	5621	2.5	0857	-29	0.1	1633	-3.5	65	Middle section, kitchen area	Four 5-gallon buckets of paint (all sealed)
IA-6	Ground	Indoor Air	13648	5380	2.5	0859	-29.5	0.1	1659	-6	65	Southern section, near mixer area	None observed
IA-7	Ground	Indoor Air	28617	6993	2.5	0858	-29.5	0.1	1658	-3.5	65	Southern section, open area	None observed
Duplicate	Ground	Indoor Air	23327	4956	2.5	0853	-30	0.1	1653	-5	65	Southern section, open area	None observed
Ambient Air	Building 339 Roof	Ambient Air	17159	5521	1	0849	-28	0.0-0.1	1607	-3.5	31	Building Roof	None observed
Field Blank	Ground	Nitrogen	13642	3502	2.5	0918	-29	0.1	1025	-5	65	Middle section, open area	None observed

Table 2

Summary of IAQ Analysis

iPARK 84 Campus
2070 NY-Route 52
Hopewell Junction, New York

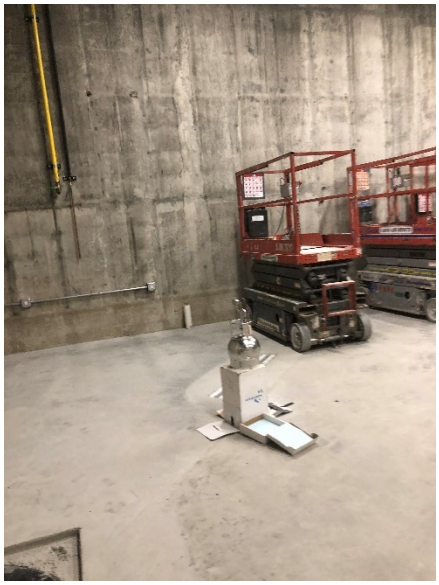
TABLE 2
SUMMARY OF IAQ ANALYSIS
BUILDING 339 - JANE BAKES

	CAS Registry Number	USEPA BASE Database Tables - Typical Background Concentrations for Indoor Air				Collection Date	12/2/2019		12/2/2019		12/2/2019		12/2/2019		12/2/2019		12/2/2019		12/2/2019		12/2/2019		12/2/2019		12/2/2019	
						Sample ID	IA-1 Air		IA-2 Air		IA-3 Air		IA-4 Air		IA-5 Air		IA-6 Air		IA-7 Air		Duplicate Air		AA Air		Field Blank Air	
		75th Percentile	90th Percentile	95th Percentile	99th Percentile	Matrix / Location	Northern Section		Northern Section		Western Office		Eastern Office		Middle Section Kitchen		Southern Section		Southern Section		Southern Section		Building Roof		Middle Section-Open Area	
						Units	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Volatiles (TO15) By TO15																										
1,1,1-Trichloroethane	71-55-6	10.8	20.6	33.0	737.9	ug/m3	< 1.09	1.09	< 1.09	1.09	< 1.09	1.09	< 1.09	1.09	< 1.09	1.09	< 1.09	1.09	< 1.09	1.09	< 1.09	1.09	< 1.09	1.09	< 1.09	1.09
1,1-Dichloroethene	75-35-4	<1.2	<1.4	<1.6	<1.7	ug/m3	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
1,2,4-Trichlorobenzene	120-82-1	<1.2	<6.8	<7.2	<8.1	ug/m3	< 1.85	1.85	< 1.85	1.85	< 1.85	1.85	< 1.85	1.85	< 1.85	1.85	< 1.85	1.85	< 1.85	1.85	< 1.85	1.85	< 1.85	1.85	< 1.85	1.85
1,2-Dichlorobenzene	95-50-1	<1.0	<1.2	<1.3	10.5	ug/m3	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90
1,3-Dichlorobenzene	541-73-1	<1.1	<2.4	<2.5	<2.8	ug/m3	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90
1,4-Dichlorobenzene	106-46-7	1.4	5.5	12.5	80.5	ug/m3	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90
Acetone	67-64-1	59.8	98.9	120.2	226.6	ug/m3	9.33	2.37	10.9	2.37	16.3	2.37	18.0	2.37	23.2	2.37	10.7	2.37	16.1	2.37	17.1	2.37	< 2.37	2.37	< 2.37	2.37
Benzene	71-43-2	5.1	9.4	12.5	25.0	ug/m3	0.43	0.16	0.36	0.16	0.43	0.16	0.46	0.16	0.39	0.16	0.52	0.16	0.42	0.16	0.43	0.16	0.49	0.16	0.19	0.16
Carbon Tetrachloride	56-23-5	<1.1	<1.3	0.7	0.9	ug/m3	0.43	0.13	0.46	0.13	0.47	0.13	0.47	0.13	0.46	0.13	0.43	0.13	0.47	0.13	0.48	0.13	0.47	0.13	< 0.13	0.13
Chlorobenzene	108-90-7	<0.8	<0.9	<1.0	1	ug/m3	< 0.92	0.92	< 0.92	0.92	< 0.92	0.92	< 0.92	0.92	< 0.92	0.92	< 0.92	0.92	< 0.92	0.92	< 0.92	0.92	< 0.92	0.92	< 0.92	0.92
Cis-1,2-Dichloroethene	156-59-2	<1.2	<1.9	<2.0	<2.2	ug/m3	< 0.79	0.79	< 0.79	0.79	< 0.79	0.79	< 0.79	0.79	< 0.79	0.79	< 0.79	0.79	< 0.79	0.79	< 0.79	0.79	< 0.79	0.79	< 0.79	0.79
Dichlorodifluoromethane	75-71-8	10.5	16.5	32.9	81.3	ug/m3	2.14	0.99	2.23	0.99	2.44	0.99	2.35	0.99	2.37	0.99	1.51	0.99	2.43	0.99	2.51	0.99	2.18	0.99	< 0.99	0.99
Ethylbenzene	100-41-4	3.4	5.7	7.6	18.5	ug/m3	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65
m,p-Xylene	179601-23-1	12.2	22.2	28.5	67.6	ug/m3	0.85	0.65	0.71	0.65	0.88	0.65	0.78	0.65	0.78	0.65	0.95	0.65	0.70	0.65	0.70	0.65	< 0.65	0.65	1.14	0.65
Methylene Chloride	75-09-2	5.0	10.0	16.0	1155.6	ug/m3	< 1.39	1.39	< 1.39	1.39	< 1.39	1.39	< 1.39	1.39	< 1.39	1.39	< 1.39	1.39	< 1.39	1.39	< 1.39	1.39	< 1.39	1.39	< 1.39	1.39
o-Xylene	95-47-6	4.4	7.9	11.2	20.1	ug/m3	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65
Tetrachloroethene	127-18-4	5.9	15.9	25.4	55.6	ug/m3	< 0.68	0.68	< 0.68	0.68	< 0.68	0.68	< 0.68	0.68	< 0.68	0.68	< 0.68	0.68	< 0.68	0.68	< 0.68	0.68	< 0.68	0.68	0.89	0.68
Toluene	108-88-3	25.9	43.0	70.8	348.9	ug/m3	1.24	0.75	1.32	0.75	1.35	0.75	2.92	0.75	1.26	0.75	1.68	0.75	1.33	0.75	1.32	0.75	< 0.75	0.75	1.02	0.75
Trichloroethene	79-01-6	1.2	4.2	6.5	57.0	ug/m3	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
Trichlorofluoromethane	75-69-4	6.7	18.1	54.0	860.6	ug/m3	1.15	0.84	1.33	0.84	1.45	0.84	1.48	0.84	1.42	0.84	1.16	0.84	1.30	0.84	1.53	0.84	1.41	0.84	< 0.84	0.84
Trichlorotrifluoroethane	76-13-1	<3.0	3.5	9.4	19.7	ug/m3	< 1.15	1.15	< 1.15	1.15	< 1.15	1.15	< 1.15	1.15	< 1.15	1.15	< 1.15	1.15	< 1.15	1.15	< 1.15	1.15	< 1.15	1.15	< 1.15	1.15
Vinyl Chloride	75-01-4	<1.0	<1.9	<2.2	<2.6	ug/m3	< 0.05	0.05	< 0.05	0.05	< 0.05	0.05	< 0.05	0.05	< 0.05	0.05	< 0.05	0.05	< 0.05	0.05	< 0.05	0.05	< 0.05	0.05	< 0.05	0.05

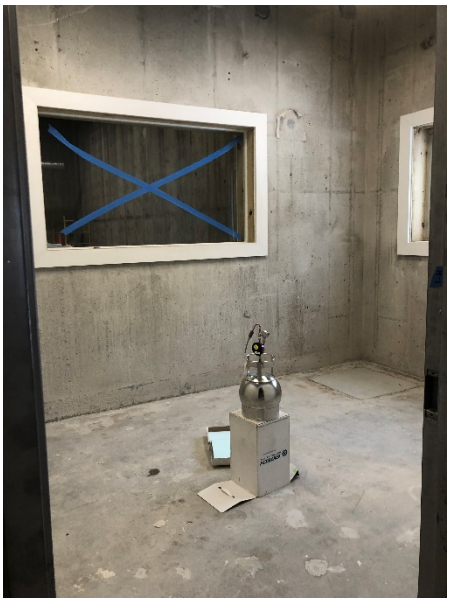
Attachment 1
Photographic Log of Sampling Locations

Site Photographs

Photograph #1: IA-1 Sampling Location in northern section, near freezer area



Photograph #2: IA-2 Sampling Location in northern section, near oven area

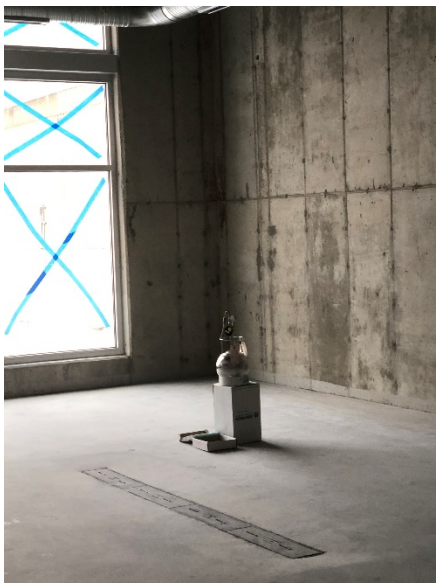


Photograph #3: IA- 3 Sampling Location in western office area

Photograph #4: IA-4 Sampling Location in eastern office area

Site Photographs (continued)

Photograph #5: IA-5 Sampling Location in middle section, kitchen area (Note 4 sealed buckets of paint in the corner of this area).



Photograph #6: IA-6 Sampling Location in southern section, west side

Photograph #7: IA-7 Sampling Location in southern section, east side near mixer area. Duplicate sample collected at this location.

Photograph #8: Ambient Air Sampling Location on roof

Site Photographs (continued)

Photograph #9: Sealed paint buckets located in corner near IA-5 (no odors noted in this location)

Photograph #10: Sealed paint buckets located in corner near IA-5 (no odors noted in this location)

Attachment 2
Laboratory Analytical Report

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

December 06, 2019

FOR: Attn: Nora Brew
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	LTG	12/02/19	17:03
Location Code:	WALDENE-IPARK	Received by:	LB	12/03/19	16:40
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	23318				

Laboratory Data

SDG ID: GCE70607
Phoenix ID: CE70607

Project ID: JANE BAKES IAQ IPARK HOPEWELL JCT.
Client ID: IA-1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Volatiles (TO15)							
1,1,1-Trichloroethane	ND	*0.200*	ND	*1.09*	12/04/19	KCA	1
1,1-Dichloroethene	ND	*0.100*	ND	*0.40*	12/04/19	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	ND	*1.85*	12/04/19	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	ND	*0.90*	12/04/19	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	ND	*0.90*	12/04/19	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	ND	*0.90*	12/04/19	KCA	1
Acetone	3.93	*1.00*	9.33	*2.37*	12/04/19	KCA	1
Benzene	0.134	*0.050*	0.43	*0.16*	12/04/19	KCA	1
Carbon Tetrachloride	0.068	*0.020*	0.43	*0.13*	12/04/19	KCA	1
Chlorobenzene	ND	*0.200*	ND	*0.92*	12/04/19	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	ND	*0.79*	12/04/19	KCA	1
Dichlorodifluoromethane	0.434	*0.200*	2.14	*0.99*	12/04/19	KCA	1
Ethylbenzene	ND	*0.150*	ND	*0.65*	12/04/19	KCA	1
m,p-Xylene	0.196	*0.150*	0.85	*0.65*	12/04/19	KCA	1
Methylene Chloride	ND	*0.400*	ND	*1.39*	12/04/19	KCA	1
o-Xylene	ND	*0.150*	ND	*0.65*	12/04/19	KCA	1
Tetrachloroethene	ND	*0.100*	ND	*0.68*	12/04/19	KCA	1
Toluene	0.328	*0.200*	1.24	*0.75*	12/04/19	KCA	1
Trichloroethene	ND	*0.037*	ND	*0.20*	12/04/19	KCA	1
Trichlorofluoromethane	0.205	*0.150*	1.15	*0.84*	12/04/19	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	ND	*1.15*	12/04/19	KCA	1
Vinyl Chloride	ND	*0.020*	ND	*0.05*	12/04/19	KCA	1
QA/QC Surrogates/Internals							
% Bromofluorobenzene	94	*%*	94	*%*	12/04/19	KCA	1
% IS-1,4-Difluorobenzene	100	*%*	100	*%*	12/04/19	KCA	1
% IS-Bromochloromethane	101	*%*	101	*%*	12/04/19	KCA	1

Project ID: JANE BAKES IAQ IPARK HOPEWELL JCT. Phoenix I.D.: CE70607

Client ID: IA-1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	98	%	98	%	12/04/19	KCA	1

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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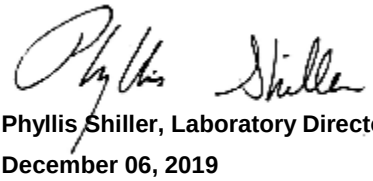

Phyllis Shiller, Laboratory Director
December 06, 2019
Official Report Release To Follow

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 06, 2019

FOR: Attn: Nora Brew
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	LTG	12/02/19	16:47
Location Code:	WALDENE-IPARK	Received by:	LB	12/03/19	16:40
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	13645				

Laboratory Data

SDG ID: GCE70607
Phoenix ID: CE70608

Project ID: JANE BAKES IAQ IPARK HOPEWELL JCT.
Client ID: IA-2

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Volatiles (TO15)							
1,1,1-Trichloroethane	ND	*0.200*	ND	*1.09*	12/04/19	KCA	1
1,1-Dichloroethene	ND	*0.100*	ND	*0.40*	12/04/19	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	ND	*1.85*	12/04/19	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	ND	*0.90*	12/04/19	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	ND	*0.90*	12/04/19	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	ND	*0.90*	12/04/19	KCA	1
Acetone	4.59	*1.00*	10.9	*2.37*	12/04/19	KCA	1
Benzene	0.113	*0.050*	0.36	*0.16*	12/04/19	KCA	1
Carbon Tetrachloride	0.073	*0.020*	0.46	*0.13*	12/04/19	KCA	1
Chlorobenzene	ND	*0.200*	ND	*0.92*	12/04/19	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	ND	*0.79*	12/04/19	KCA	1
Dichlorodifluoromethane	0.452	*0.200*	2.23	*0.99*	12/04/19	KCA	1
Ethylbenzene	ND	*0.150*	ND	*0.65*	12/04/19	KCA	1
m,p-Xylene	0.163	*0.150*	0.71	*0.65*	12/04/19	KCA	1
Methylene Chloride	ND	*0.400*	ND	*1.39*	12/04/19	KCA	1
o-Xylene	ND	*0.150*	ND	*0.65*	12/04/19	KCA	1
Tetrachloroethene	ND	*0.100*	ND	*0.68*	12/04/19	KCA	1
Toluene	0.350	*0.200*	1.32	*0.75*	12/04/19	KCA	1
Trichloroethene	ND	*0.037*	ND	*0.20*	12/04/19	KCA	1
Trichlorofluoromethane	0.236	*0.150*	1.33	*0.84*	12/04/19	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	ND	*1.15*	12/04/19	KCA	1
Vinyl Chloride	ND	*0.020*	ND	*0.05*	12/04/19	KCA	1
QA/QC Surrogates/Internals							
% Bromofluorobenzene	94	*%*	94	*%*	12/04/19	KCA	1
% IS-1,4-Difluorobenzene	85	*%*	85	*%*	12/04/19	KCA	1
% IS-Bromochloromethane	84	*%*	84	*%*	12/04/19	KCA	1

Project ID: JANE BAKES IAQ IPARK HOPEWELL JCT. Phoenix I.D.: CE70608

Client ID: IA-2

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	89	%	89	%	12/04/19	KCA	1

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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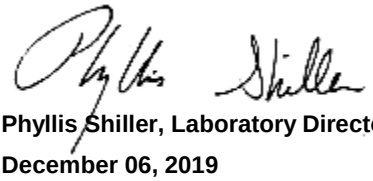

Phyllis Shiller, Laboratory Director

December 06, 2019

Official Report Release To Follow

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 06, 2019

FOR: Attn: Nora Brew
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	LTG	12/02/19	15:17
Location Code:	WALDENE-IPARK	Received by:	LB	12/03/19	16:40
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	216				

Laboratory Data

SDG ID: GCE70607
Phoenix ID: CE70609

Project ID: JANE BAKES IAQ IPARK HOPEWELL JCT.
Client ID: IA-3

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Volatiles (TO15)							
1,1,1-Trichloroethane	ND	*0.200*	ND	*1.09*	12/04/19	KCA	1
1,1-Dichloroethene	ND	*0.100*	ND	*0.40*	12/04/19	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	ND	*1.85*	12/04/19	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	ND	*0.90*	12/04/19	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	ND	*0.90*	12/04/19	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	ND	*0.90*	12/04/19	KCA	1
Acetone	6.88	*1.00*	16.3	*2.37*	12/04/19	KCA	1
Benzene	0.134	*0.050*	0.43	*0.16*	12/04/19	KCA	1
Carbon Tetrachloride	0.074	*0.020*	0.47	*0.13*	12/04/19	KCA	1
Chlorobenzene	ND	*0.200*	ND	*0.92*	12/04/19	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	ND	*0.79*	12/04/19	KCA	1
Dichlorodifluoromethane	0.494	*0.200*	2.44	*0.99*	12/04/19	KCA	1
Ethylbenzene	ND	*0.150*	ND	*0.65*	12/04/19	KCA	1
m,p-Xylene	0.202	*0.150*	0.88	*0.65*	12/04/19	KCA	1
Methylene Chloride	ND	*0.400*	ND	*1.39*	12/04/19	KCA	1
o-Xylene	ND	*0.150*	ND	*0.65*	12/04/19	KCA	1
Tetrachloroethene	ND	*0.100*	ND	*0.68*	12/04/19	KCA	1
Toluene	0.359	*0.200*	1.35	*0.75*	12/04/19	KCA	1
Trichloroethene	ND	*0.037*	ND	*0.20*	12/04/19	KCA	1
Trichlorofluoromethane	0.259	*0.150*	1.45	*0.84*	12/04/19	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	ND	*1.15*	12/04/19	KCA	1
Vinyl Chloride	ND	*0.020*	ND	*0.05*	12/04/19	KCA	1
QA/QC Surrogates/Internals							
% Bromofluorobenzene	96	*%*	96	*%*	12/04/19	KCA	1
% IS-1,4-Difluorobenzene	82	*%*	82	*%*	12/04/19	KCA	1
% IS-Bromochloromethane	80	*%*	80	*%*	12/04/19	KCA	1

Project ID: JANE BAKES IAQ IPARK HOPEWELL JCT. Phoenix I.D.: CE70609

Client ID: IA-3

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	85	%	85	%	12/04/19	KCA	1

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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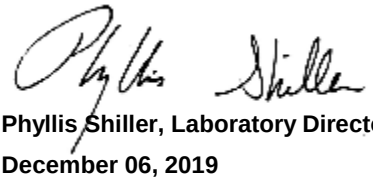

Phyllis Shiller, Laboratory Director

December 06, 2019

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

December 06, 2019

FOR: Attn: Nora Brew
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	LTG	12/02/19	17:05
Location Code:	WALDENE-IPARK	Received by:	LB	12/03/19	16:40
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	21359				

Laboratory Data

SDG ID: GCE70607
Phoenix ID: CE70610

Project ID: JANE BAKES IAQ IPARK HOPEWELL JCT.
Client ID: IA-4

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Volatiles (TO15)							
1,1,1-Trichloroethane	ND	*0.200*	ND	*1.09*	12/04/19	KCA	1
1,1-Dichloroethene	ND	*0.100*	ND	*0.40*	12/04/19	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	ND	*1.85*	12/04/19	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	ND	*0.90*	12/04/19	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	ND	*0.90*	12/04/19	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	ND	*0.90*	12/04/19	KCA	1
Acetone	7.59	*1.00*	18.0	*2.37*	12/04/19	KCA	1
Benzene	0.143	*0.050*	0.46	*0.16*	12/04/19	KCA	1
Carbon Tetrachloride	0.074	*0.020*	0.47	*0.13*	12/04/19	KCA	1
Chlorobenzene	ND	*0.200*	ND	*0.92*	12/04/19	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	ND	*0.79*	12/04/19	KCA	1
Dichlorodifluoromethane	0.475	*0.200*	2.35	*0.99*	12/04/19	KCA	1
Ethylbenzene	ND	*0.150*	ND	*0.65*	12/04/19	KCA	1
m,p-Xylene	0.179	*0.150*	0.78	*0.65*	12/04/19	KCA	1
Methylene Chloride	ND	*0.400*	ND	*1.39*	12/04/19	KCA	1
o-Xylene	ND	*0.150*	ND	*0.65*	12/04/19	KCA	1
Tetrachloroethene	ND	*0.100*	ND	*0.68*	12/04/19	KCA	1
Toluene	0.774	*0.200*	2.92	*0.75*	12/04/19	KCA	1
Trichloroethene	ND	*0.037*	ND	*0.20*	12/04/19	KCA	1
Trichlorofluoromethane	0.264	*0.150*	1.48	*0.84*	12/04/19	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	ND	*1.15*	12/04/19	KCA	1
Vinyl Chloride	ND	*0.020*	ND	*0.05*	12/04/19	KCA	1
QA/QC Surrogates/Internals							
% Bromofluorobenzene	95	*%*	95	*%*	12/04/19	KCA	1
% IS-1,4-Difluorobenzene	82	*%*	82	*%*	12/04/19	KCA	1
% IS-Bromochloromethane	80	*%*	80	*%*	12/04/19	KCA	1

Project ID: JANE BAKES IAQ IPARK HOPEWELL JCT. Phoenix I.D.: CE70610

Client ID: IA-4

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	85	%	85	%	12/04/19	KCA	1

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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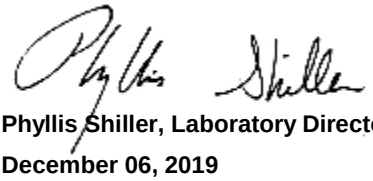

Phyllis Shiller, Laboratory Director
December 06, 2019
Official Report Release To Follow

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 06, 2019

FOR: Attn: Nora Brew
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	LTG	12/02/19	16:33
Location Code:	WALDENE-IPARK	Received by:	LB	12/03/19	16:40
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	19632				

Laboratory Data

SDG ID: GCE70607
Phoenix ID: CE70611

Project ID: JANE BAKES IAQ IPARK HOPEWELL JCT.
Client ID: IA-5

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Volatiles (TO15)							
1,1,1-Trichloroethane	ND	*0.200*	ND	*1.09*	12/04/19	KCA	1
1,1-Dichloroethene	ND	*0.100*	ND	*0.40*	12/04/19	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	ND	*1.85*	12/04/19	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	ND	*0.90*	12/04/19	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	ND	*0.90*	12/04/19	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	ND	*0.90*	12/04/19	KCA	1
Acetone	9.76	*1.00*	23.2	*2.37*	12/04/19	KCA	1
Benzene	0.122	*0.050*	0.39	*0.16*	12/04/19	KCA	1
Carbon Tetrachloride	0.073	*0.020*	0.46	*0.13*	12/04/19	KCA	1
Chlorobenzene	ND	*0.200*	ND	*0.92*	12/04/19	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	ND	*0.79*	12/04/19	KCA	1
Dichlorodifluoromethane	0.480	*0.200*	2.37	*0.99*	12/04/19	KCA	1
Ethylbenzene	ND	*0.150*	ND	*0.65*	12/04/19	KCA	1
m,p-Xylene	0.179	*0.150*	0.78	*0.65*	12/04/19	KCA	1
Methylene Chloride	ND	*0.400*	ND	*1.39*	12/04/19	KCA	1
o-Xylene	ND	*0.150*	ND	*0.65*	12/04/19	KCA	1
Tetrachloroethene	ND	*0.100*	ND	*0.68*	12/04/19	KCA	1
Toluene	0.335	*0.200*	1.26	*0.75*	12/04/19	KCA	1
Trichloroethene	ND	*0.037*	ND	*0.20*	12/04/19	KCA	1
Trichlorofluoromethane	0.253	*0.150*	1.42	*0.84*	12/04/19	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	ND	*1.15*	12/04/19	KCA	1
Vinyl Chloride	ND	*0.020*	ND	*0.05*	12/04/19	KCA	1
QA/QC Surrogates/Internals							
% Bromofluorobenzene	96	*%*	96	*%*	12/04/19	KCA	1
% IS-1,4-Difluorobenzene	80	*%*	80	*%*	12/04/19	KCA	1
% IS-Bromochloromethane	79	*%*	79	*%*	12/04/19	KCA	1

Project ID: JANE BAKES IAQ IPARK HOPEWELL JCT. Phoenix I.D.: CE70611

Client ID: IA-5

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	85	%	85	%	12/04/19	KCA	1

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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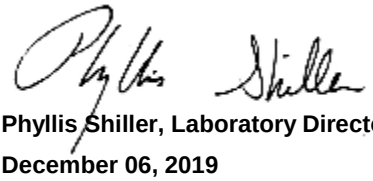

Phyllis Shiller, Laboratory Director

December 06, 2019

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Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

December 06, 2019

FOR: Attn: Nora Brew
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	LTG	12/02/19	16:59
Location Code:	WALDENE-IPARK	Received by:	LB	12/03/19	16:40
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	13648				

Laboratory Data

SDG ID: GCE70607
Phoenix ID: CE70612

Project ID: JANE BAKES IAQ IPARK HOPEWELL JCT.
Client ID: IA-6

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Volatiles (TO15)							
1,1,1-Trichloroethane	ND	*0.200*	ND	*1.09*	12/05/19	KCA	1
1,1-Dichloroethene	ND	*0.100*	ND	*0.40*	12/05/19	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	ND	*1.85*	12/05/19	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	ND	*0.90*	12/05/19	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	ND	*0.90*	12/05/19	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	ND	*0.90*	12/05/19	KCA	1
Acetone	4.51	*1.00*	10.7	*2.37*	12/05/19	KCA	1
Benzene	0.162	*0.050*	0.52	*0.16*	12/05/19	KCA	1
Carbon Tetrachloride	0.069	*0.020*	0.43	*0.13*	12/05/19	KCA	1
Chlorobenzene	ND	*0.200*	ND	*0.92*	12/05/19	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	ND	*0.79*	12/05/19	KCA	1
Dichlorodifluoromethane	0.306	*0.200*	1.51	*0.99*	12/05/19	KCA	1
Ethylbenzene	ND	*0.150*	ND	*0.65*	12/05/19	KCA	1
m,p-Xylene	0.219	*0.150*	0.95	*0.65*	12/05/19	KCA	1
Methylene Chloride	ND	*0.400*	ND	*1.39*	12/05/19	KCA	1
o-Xylene	ND	*0.150*	ND	*0.65*	12/05/19	KCA	1
Tetrachloroethene	ND	*0.100*	ND	*0.68*	12/05/19	KCA	1
Toluene	0.445	*0.200*	1.68	*0.75*	12/05/19	KCA	1
Trichloroethene	ND	*0.037*	ND	*0.20*	12/05/19	KCA	1
Trichlorofluoromethane	0.207	*0.150*	1.16	*0.84*	12/05/19	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	ND	*1.15*	12/05/19	KCA	1
Vinyl Chloride	ND	*0.020*	ND	*0.05*	12/05/19	KCA	1
QA/QC Surrogates/Internals							
% Bromofluorobenzene	96	*%*	96	*%*	12/05/19	KCA	1
% IS-1,4-Difluorobenzene	114	*%*	114	*%*	12/05/19	KCA	1
% IS-Bromochloromethane	114	*%*	114	*%*	12/05/19	KCA	1

Project ID: JANE BAKES IAQ IPARK HOPEWELL JCT. Phoenix I.D.: CE70612

Client ID: IA-6

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	114	%	114	%	12/05/19	KCA	1

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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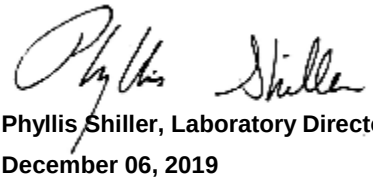

Phyllis Shiller, Laboratory Director
December 06, 2019
Official Report Release To Follow

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 06, 2019

FOR: Attn: Nora Brew
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	LTG	12/02/19	16:58
Location Code:	WALDENE-IPARK	Received by:	LB	12/03/19	16:40
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	28617				

Laboratory Data

SDG ID: GCE70607
Phoenix ID: CE70613

Project ID: JANE BAKES IAQ IPARK HOPEWELL JCT.
Client ID: IA-7

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Volatiles (TO15)							
1,1,1-Trichloroethane	ND	*0.200*	ND	*1.09*	12/04/19	KCA	1
1,1-Dichloroethene	ND	*0.100*	ND	*0.40*	12/04/19	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	ND	*1.85*	12/04/19	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	ND	*0.90*	12/04/19	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	ND	*0.90*	12/04/19	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	ND	*0.90*	12/04/19	KCA	1
Acetone	6.77	*1.00*	16.1	*2.37*	12/04/19	KCA	1
Benzene	0.132	*0.050*	0.42	*0.16*	12/04/19	KCA	1
Carbon Tetrachloride	0.075	*0.020*	0.47	*0.13*	12/04/19	KCA	1
Chlorobenzene	ND	*0.200*	ND	*0.92*	12/04/19	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	ND	*0.79*	12/04/19	KCA	1
Dichlorodifluoromethane	0.491	*0.200*	2.43	*0.99*	12/04/19	KCA	1
Ethylbenzene	ND	*0.150*	ND	*0.65*	12/04/19	KCA	1
m,p-Xylene	0.162	*0.150*	0.70	*0.65*	12/04/19	KCA	1
Methylene Chloride	ND	*0.400*	ND	*1.39*	12/04/19	KCA	1
o-Xylene	ND	*0.150*	ND	*0.65*	12/04/19	KCA	1
Tetrachloroethene	ND	*0.100*	ND	*0.68*	12/04/19	KCA	1
Toluene	0.352	*0.200*	1.33	*0.75*	12/04/19	KCA	1
Trichloroethene	ND	*0.037*	ND	*0.20*	12/04/19	KCA	1
Trichlorofluoromethane	0.232	*0.150*	1.30	*0.84*	12/04/19	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	ND	*1.15*	12/04/19	KCA	1
Vinyl Chloride	ND	*0.020*	ND	*0.05*	12/04/19	KCA	1
QA/QC Surrogates/Internals							
% Bromofluorobenzene	96	*%*	96	*%*	12/04/19	KCA	1
% IS-1,4-Difluorobenzene	78	*%*	78	*%*	12/04/19	KCA	1
% IS-Bromochloromethane	77	*%*	77	*%*	12/04/19	KCA	1

Project ID: JANE BAKES IAQ IPARK HOPEWELL JCT. Phoenix I.D.: CE70613

Client ID: IA-7

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	84	%	84	%	12/04/19	KCA	1

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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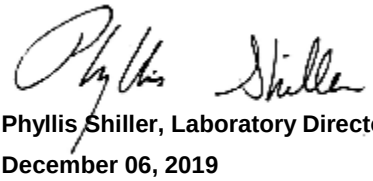

Phyllis Shiller, Laboratory Director
December 06, 2019
Official Report Release To Follow

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

December 06, 2019

FOR: Attn: Nora Brew
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	LTG	12/02/19	16:07
Location Code:	WALDENE-IPARK	Received by:	LB	12/03/19	16:40
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	17159				

Laboratory Data

SDG ID: GCE70607
Phoenix ID: CE70614

Project ID: JANE BAKES IAQ IPARK HOPEWELL JCT.
Client ID: AMBIENT AIR

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Volatiles (TO15)							
1,1,1-Trichloroethane	ND	*0.200*	ND	*1.09*	12/04/19	KCA	1
1,1-Dichloroethene	ND	*0.100*	ND	*0.40*	12/04/19	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	ND	*1.85*	12/04/19	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	ND	*0.90*	12/04/19	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	ND	*0.90*	12/04/19	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	ND	*0.90*	12/04/19	KCA	1
Acetone	ND	*1.00*	ND	*2.37*	12/04/19	KCA	1
Benzene	0.152	*0.050*	0.49	*0.16*	12/04/19	KCA	1
Carbon Tetrachloride	0.075	*0.020*	0.47	*0.13*	12/04/19	KCA	1
Chlorobenzene	ND	*0.200*	ND	*0.92*	12/04/19	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	ND	*0.79*	12/04/19	KCA	1
Dichlorodifluoromethane	0.442	*0.200*	2.18	*0.99*	12/04/19	KCA	1
Ethylbenzene	ND	*0.150*	ND	*0.65*	12/04/19	KCA	1
m,p-Xylene	ND	*0.150*	ND	*0.65*	12/04/19	KCA	1
Methylene Chloride	ND	*0.400*	ND	*1.39*	12/04/19	KCA	1
o-Xylene	ND	*0.150*	ND	*0.65*	12/04/19	KCA	1
Tetrachloroethene	ND	*0.100*	ND	*0.68*	12/04/19	KCA	1
Toluene	ND	*0.200*	ND	*0.75*	12/04/19	KCA	1
Trichloroethene	ND	*0.037*	ND	*0.20*	12/04/19	KCA	1
Trichlorofluoromethane	0.252	*0.150*	1.41	*0.84*	12/04/19	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	ND	*1.15*	12/04/19	KCA	1
Vinyl Chloride	ND	*0.020*	ND	*0.05*	12/04/19	KCA	1
QA/QC Surrogates/Internals							
% Bromofluorobenzene	95	*%*	95	*%*	12/04/19	KCA	1
% IS-1,4-Difluorobenzene	78	*%*	78	*%*	12/04/19	KCA	1
% IS-Bromochloromethane	77	*%*	77	*%*	12/04/19	KCA	1

Project ID: JANE BAKES IAQ IPARK HOPEWELL JCT. Phoenix I.D.: CE70614

Client ID: AMBIENT AIR

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	82	%	82	%	12/04/19	KCA	1

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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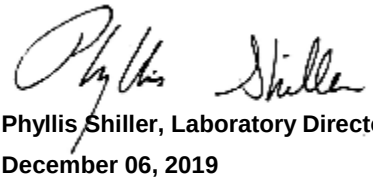

Phyllis Shiller, Laboratory Director
December 06, 2019
Official Report Release To Follow

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 06, 2019

FOR: Attn: Nora Brew
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	LTG	12/02/19	10:25
Location Code:	WALDENE-IPARK	Received by:	LB	12/03/19	16:40
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	13642				

Laboratory Data

SDG ID: GCE70607
Phoenix ID: CE70615

Project ID: JANE BAKES IAQ IPARK HOPEWELL JCT.
Client ID: FILED BLANK

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Volatiles (TO15)							
1,1,1-Trichloroethane	ND	*0.200*	ND	*1.09*	12/04/19	KCA	1
1,1-Dichloroethene	ND	*0.100*	ND	*0.40*	12/04/19	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	ND	*1.85*	12/04/19	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	ND	*0.90*	12/04/19	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	ND	*0.90*	12/04/19	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	ND	*0.90*	12/04/19	KCA	1
Acetone	ND	*1.00*	ND	*2.37*	12/04/19	KCA	1
Benzene	0.060	*0.050*	0.19	*0.16*	12/04/19	KCA	1
Carbon Tetrachloride	ND	*0.020*	ND	*0.13*	12/04/19	KCA	1
Chlorobenzene	ND	*0.200*	ND	*0.92*	12/04/19	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	ND	*0.79*	12/04/19	KCA	1
Dichlorodifluoromethane	ND	*0.200*	ND	*0.99*	12/04/19	KCA	1
Ethylbenzene	ND	*0.150*	ND	*0.65*	12/04/19	KCA	1
m,p-Xylene	0.263	*0.150*	1.14	*0.65*	12/04/19	KCA	1
Methylene Chloride	ND	*0.400*	ND	*1.39*	12/04/19	KCA	1
o-Xylene	ND	*0.150*	ND	*0.65*	12/04/19	KCA	1
Tetrachloroethene	0.132	*0.100*	0.89	*0.68*	12/04/19	KCA	1
Toluene	0.271	*0.200*	1.02	*0.75*	12/04/19	KCA	1
Trichloroethene	ND	*0.037*	ND	*0.20*	12/04/19	KCA	1
Trichlorofluoromethane	ND	*0.150*	ND	*0.84*	12/04/19	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	ND	*1.15*	12/04/19	KCA	1
Vinyl Chloride	ND	*0.020*	ND	*0.05*	12/04/19	KCA	1
QA/QC Surrogates/Internals							
% Bromofluorobenzene	97	*%*	97	*%*	12/04/19	KCA	1
% IS-1,4-Difluorobenzene	70	*%*	70	*%*	12/04/19	KCA	1
% IS-Bromochloromethane	71	*%*	71	*%*	12/04/19	KCA	1

Project ID: JANE BAKES IAQ IPARK HOPEWELL JCT. Phoenix I.D.: CE70615

Client ID: FILED BLANK

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	79	%	79	%	12/04/19	KCA	1

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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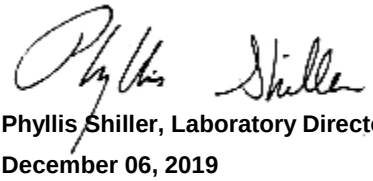

Phyllis Shiller, Laboratory Director
December 06, 2019
Official Report Release To Follow

PHOENIX

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 06, 2019

FOR: Attn: Nora Brew
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	LTG	12/02/19	16:53
Location Code:	WALDENE-IPARK	Received by:	LB	12/03/19	16:40
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	23327				

Laboratory Data

SDG ID: GCE70607
Phoenix ID: CE70616

Project ID: JANE BAKES IAQ IPARK HOPEWELL JCT.
Client ID: DUPLICATE

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Volatiles (TO15)							
1,1,1-Trichloroethane	ND	*0.200*	ND	*1.09*	12/04/19	KCA	1
1,1-Dichloroethene	ND	*0.100*	ND	*0.40*	12/04/19	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	ND	*1.85*	12/04/19	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	ND	*0.90*	12/04/19	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	ND	*0.90*	12/04/19	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	ND	*0.90*	12/04/19	KCA	1
Acetone	7.19	*1.00*	17.1	*2.37*	12/04/19	KCA	1
Benzene	0.134	*0.050*	0.43	*0.16*	12/04/19	KCA	1
Carbon Tetrachloride	0.077	*0.020*	0.48	*0.13*	12/04/19	KCA	1
Chlorobenzene	ND	*0.200*	ND	*0.92*	12/04/19	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	ND	*0.79*	12/04/19	KCA	1
Dichlorodifluoromethane	0.508	*0.200*	2.51	*0.99*	12/04/19	KCA	1
Ethylbenzene	ND	*0.150*	ND	*0.65*	12/04/19	KCA	1
m,p-Xylene	0.161	*0.150*	0.70	*0.65*	12/04/19	KCA	1
Methylene Chloride	ND	*0.400*	ND	*1.39*	12/04/19	KCA	1
o-Xylene	ND	*0.150*	ND	*0.65*	12/04/19	KCA	1
Tetrachloroethene	ND	*0.100*	ND	*0.68*	12/04/19	KCA	1
Toluene	0.350	*0.200*	1.32	*0.75*	12/04/19	KCA	1
Trichloroethene	ND	*0.037*	ND	*0.20*	12/04/19	KCA	1
Trichlorofluoromethane	0.273	*0.150*	1.53	*0.84*	12/04/19	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	ND	*1.15*	12/04/19	KCA	1
Vinyl Chloride	ND	*0.020*	ND	*0.05*	12/04/19	KCA	1
QA/QC Surrogates/Internals							
% Bromofluorobenzene	93	*%*	93	*%*	12/04/19	KCA	1
% IS-1,4-Difluorobenzene	74	*%*	74	*%*	12/04/19	KCA	1
% IS-Bromochloromethane	71	*%*	71	*%*	12/04/19	KCA	1

Project ID: JANE BAKES IAQ IPARK HOPEWELL JCT. Phoenix I.D.: CE70616

Client ID: DUPLICATE

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	81	%	81	%	12/04/19	KCA	1

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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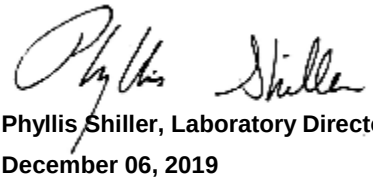

Phyllis Shiller, Laboratory Director
December 06, 2019
Official Report Release To Follow

Sample Criteria Exceedances Report

GCE70607 - WALDENE-IPARK

Criteria: None

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

CHAIN OF CUSTODY RECORD AIR ANALYSES

PHOENIX Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-1102

Data Delivery:
☐ Fax #:
☑ Email: NBREW@WALDEN-ASSOCIATES.com

Report to: Nora Brew, PE
Address: 2070 State Route 52 Hopewell Jct, NY
Project Mgr: Nora Brew, PE
Phone # 516 624 7200

Invoice to: Carl Monheit, Senior Director of Development
Address: iPark East Fishkill LLC 485 West Putnam Ave, Greenwich, CT 06830
P.O. #
Quote # iPark0118.34

Project Name: Jane Bakes IAQ
Location: iPARK Hopewell Jct. Building 339
State: NY
Sampled by: LTG

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure ("Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (" Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-14	TO-15	Is Canister Returned Unused? Y/N
		LAB USE ONLY											MATRIX			ANALYSES		
70607	IA-1	23318	6.0		-5	6985	10.8	0902	1703	12/2/19	-29	-4.5	X		G		X	
70608	IA-2	13645	6.0		-4	6991	10.8	0901	1647	12/2/19	-29	-3.5	X		G		X	
70609	IA-3	216	6.0		-2	5385	10.8	0855	1517	12/2/19	-30	-3.5	X		G		X	
70610	IA-4	21359	6.0		-5	5390	10.8	0904	1705	12/2/19	-30	-6.5	X		G		X	
70611	IA-5	19632	6.0		-3	5621	10.8	0857	1633	12/2/19	-29	-3.5	X		G		X	
70612	IA-6	13648	6.0		-6	5380	10.8	0859	1659	12/2/19	-29.5	-6	X		G		X	
70613	IA-7	28617	6.0		-3	6993	10.8	0858	1658	12/2/19	-29.5	-3.5	X		G		X	
70614	AMBIENT AIR	17159	6.0		-3	5521	10.8	0849	1607	12/2/19	-28	-3.5	X		G		X	
70615	FIELD BLANK	13642	6.0		-4	3502	10.8	0918	1025	12/2/19	-29	-5	X		G		X	
70616	DUPLICATE	23327	6.0		-5	4956	10.8	0853	1053	12/2/19	-30	-5	X		G		X	

Relinquished by:	Accepted by:	Date:	Time:
		12-3-19	13:05
		12/3/19	16:40

Criteria Requested: Deliverable:
RCP ☐
MCP ☐
State where samples collected: NY

Data Format:
Excel ☒ Equis ☐
PDF ☒ Other: ☐
GISKey ☐

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:
TO-15 "special codelist" needed. See Bobbi or Greg.
Modified TO-15 analysis per project QAPP provided.

I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document:

Signature: _____ Date: _____