Building 700 (Former 330D)
Crepini Space
Indoor Air Quality Testing
Summary Report

at
iPark 84
Former IBM East Fishkill Facility

January 2020

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

January 3, 2020
iPARK0118.33

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 700 (Formerly 330D) Crepini Space
Indoor Air Quality Testing Summary Report
December 2019 Heating Season Sampling

Dear Ms. LaClair:

Walden Environmental Engineering, PLLC (Walden) performed pre-occupancy indoor air quality (IAQ) sampling in the Crepini space within Building 700 (formerly Building 330D) on August 26, 2019. The results of the pre-occupancy sampling were presented in the *IAQ Testing Summary Report* dated September 16, 2019 (copy included at the end of this submittal as Appendix A). Based on the September 16th *IAQ Testing Summary Report*, NYSDEC issued a letter dated September 27th approving tenant occupancy of the Crepini space; a copy of this letter is presented in Attachment 1. The September 27th letter also included a request from NYSDEC/ NYSDOH to collect additional IAQ samples during the heating season in two areas of the Crepini space (in the lunch room and corporate office area), where the methylene chloride concentrations detected during the August 26th sampling event were above typical background indoor air concentrations. Walden performed this additional sampling on behalf of iPark East Fishkill LLC on December 27, 2019; the results of this additional IAQ testing are summarized below.

Building 700 is owned by iPark East Fishkill LLC; Crepini is leasing space in the northwestern portion of the building, where it performs food processing and packaging operations. Refer to Figure 1 for the site location map. Walden completed the IAQ testing requested in the State's September 27th letter 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 August 12, 2019 which was approved by NYSDEC on August 23, 2019.

Summary of HVAC Conditions Within the Building

The Crepini space within Building 700 is served by rooftop handling units (RTUs) and the HVAC system is divided into eight (8) separate zones as shown on Figure 3. The HVAC system is comprised of 100 supply diffusers with a total cooling capacity of 23,800 CFM, and a calculated 5 air changes per hour for the space as a whole. During the December 27th IAQ sampling, food processing and packaging operations were in progress at Crepini and the HVAC system was operating under Crepini's normal conditions.

Summary of December 27, 2019 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 floor at the following two (2) locations (refer to the sampling locations shown on Figure 2) as directed by NYSDEC/NYSDOH in the September 27th letter:

- IA-3: Lunch Room
- IA-11: Corporate Office Hallway

Note that these sample IDs are consistent with those used to identify the August 26th sampling locations in these areas, and the Summa® canisters for the December 27th event were placed near the original locations.

A duplicate sample (DUP) was collected at location IA-11. One outdoor ambient air sample (AA-1) was collected during the investigation at one of the Building 700 rooftop air intakes for the Crepini HVAC system to assess the potential impact of background conditions on the IAQ results. A field blank sample (FB) was also collected by transferring lab-grade nitrogen directly from a compressed gas canister into a Summa® canister (note that the field blank canister was partially filled due to an issue with the nitrogen canister).

VOC concentrations at each sample location were measured using a PID immediately before sample collection began to evaluate whether VOCs were present in the Crepini space and had the potential to impact the IAQ results. Zero ppm PID readings were recorded at all of the indoor air sampling locations.

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 2 for a photographic log of the sampling locations, and Attachment 3 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 December 27th Crepini 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 data compared to the 75th, 90th and 95th 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 IAQ samples from the Crepini lunch room and corporate office area were within or below the range of background concentrations listed in the USEPA BASE database as noted in Table 2, indicating that indoor air quality is acceptable. In addition, methylene chloride was not detected in any of the December 27th samples, which confirms that the methylene chloride concentrations reported for the August 26th samples from the lunch room and corporate office area were anomalies potentially associated with cleaning agents/aerosol products or newly installed furniture.

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
Figure 3 – HVAC Zones

Table 1 – Summary of Field Information
Table 2 – Summary of IAQ Analysis

Attachment 1 – NYSDEC September 27, 2019 Letter
Attachment 2 – Photographic Log of Sampling Locations
Attachment 3 – Laboratory Analytical Report

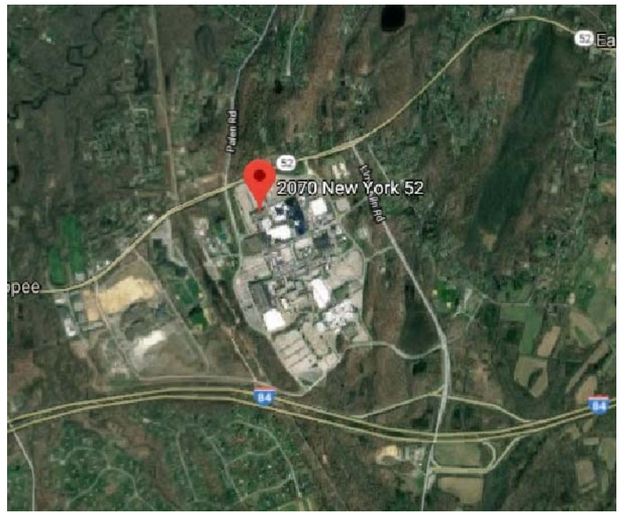
Appendix A – September 16, 2019 (Crepini) Indoor Air Quality Testing Summary Report

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

Z:\iPark0118\iPark0118.33 - Crepini IAQ\122719 IAQ Monitoring\CREPINI IAQ Testing Report 1.3.2020.docx

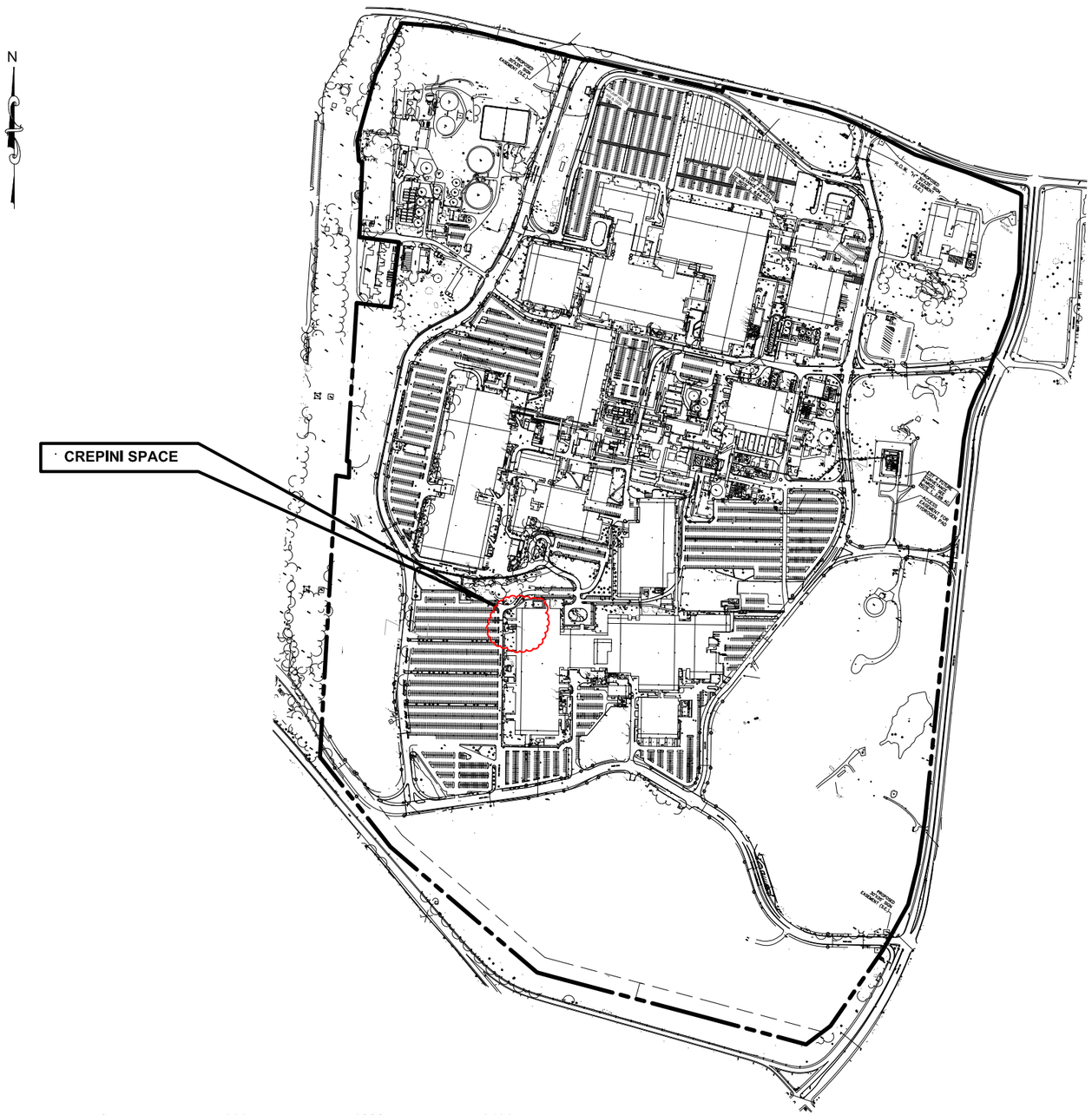
FIGURE 1

SITE LOCATION MAP



SITE LOCATION
N.T.S.
SOURCE: GOOGLEMAPS.COM

BUILDING 330D
N.T.S.



0 400 800 1600 2400
SCALE: 1"=800'

SITE LOCATION MAP
SCALE: 1" = 800'-0"

LEGEND
———— - PROPERTY LINE

SITE BASEMAP: CHAZAN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO. D.P.C. POUGHKEEPSIE, NY (XBASE-SVY_51421-00.DWG 8/10/15); PARCELS: XSUBD_51539-00.DWG.

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- COPIES OF THIS PLAN NOT BEARING THE PROFESSIONAL ENGINEER'S INKED SEAL OR EMBOSSED SEAL SHALL NOT BE CONSIDERED TO BE A VALID TRUE COPY.

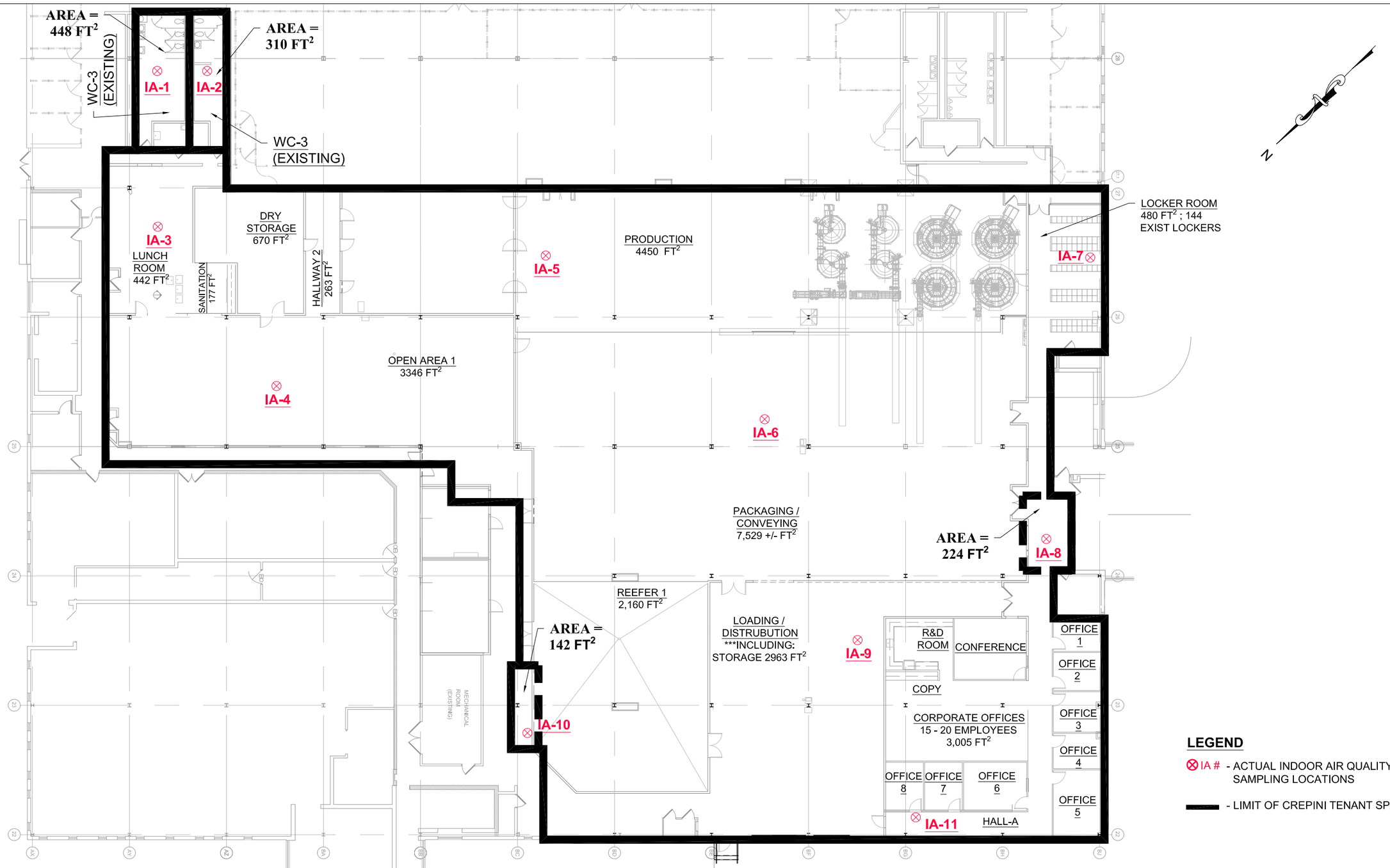
Walden Environmental Engineering
WALDEN ENVIRONMENTAL ENGINEERING, PLLC
16 Spring Street
Oyster Bay, New York 11771
P: (516) 624-7200 F: (516) 624-3219
WWW.WALDENENVIRONMENTALENGINEERING.COM

REVISION		
No.	DATE	COMMENTS

FOR: BUILDING 330D iPark 84 Campus 2070 Route 52 Hopewell Junction, N.Y. 12533		FIGURE TITLE: SITE LOCATION MAP BUILDING 330D CREPINI SPACE		FIGURE NO: 1	ISSUED
DESIGNED BY: NMB	DRAWN BY: LS	JOB NO: IPARK118.33	DATE: 8/28/19	11x17	SHEET NO: 1 OF 2	REVISION NO: 0
APPROVED BY: JMH	SCALE: AS NOTED	CAD FILE NAME: Z:\iPark\0118\iPark0118.33 - Crepini\IAG\Report\Report File.dwg			

FIGURE 2

SAMPLING LOCATIONS



INDOOR AIR QUALITY SAMPLING: ACTUAL LOCATIONS

N.T.S.

SITE BASEMAP: CHAZAN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO. D.P.C. POUGHKEEPSIE, NY (XBASE-SVY_51421-00.DWG 8/10/15); PARCELS: XSUBD_51539-00.DWG.

Walden Environmental Engineering

WALDEN ENVIRONMENTAL ENGINEERING, PLLC
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REVISION		
No.	DATE	COMMENTS

FOR: BUILDING 330D
iPark 84 Campus
2070 Route 52
Hopewell Junction, N.Y. 12533

FIGURE TITLE: CREPINI SPACE INDOOR AIR QUALITY SAMPLING: ACTUAL LOCATIONS

FIGURE NO: 2

ISSUED

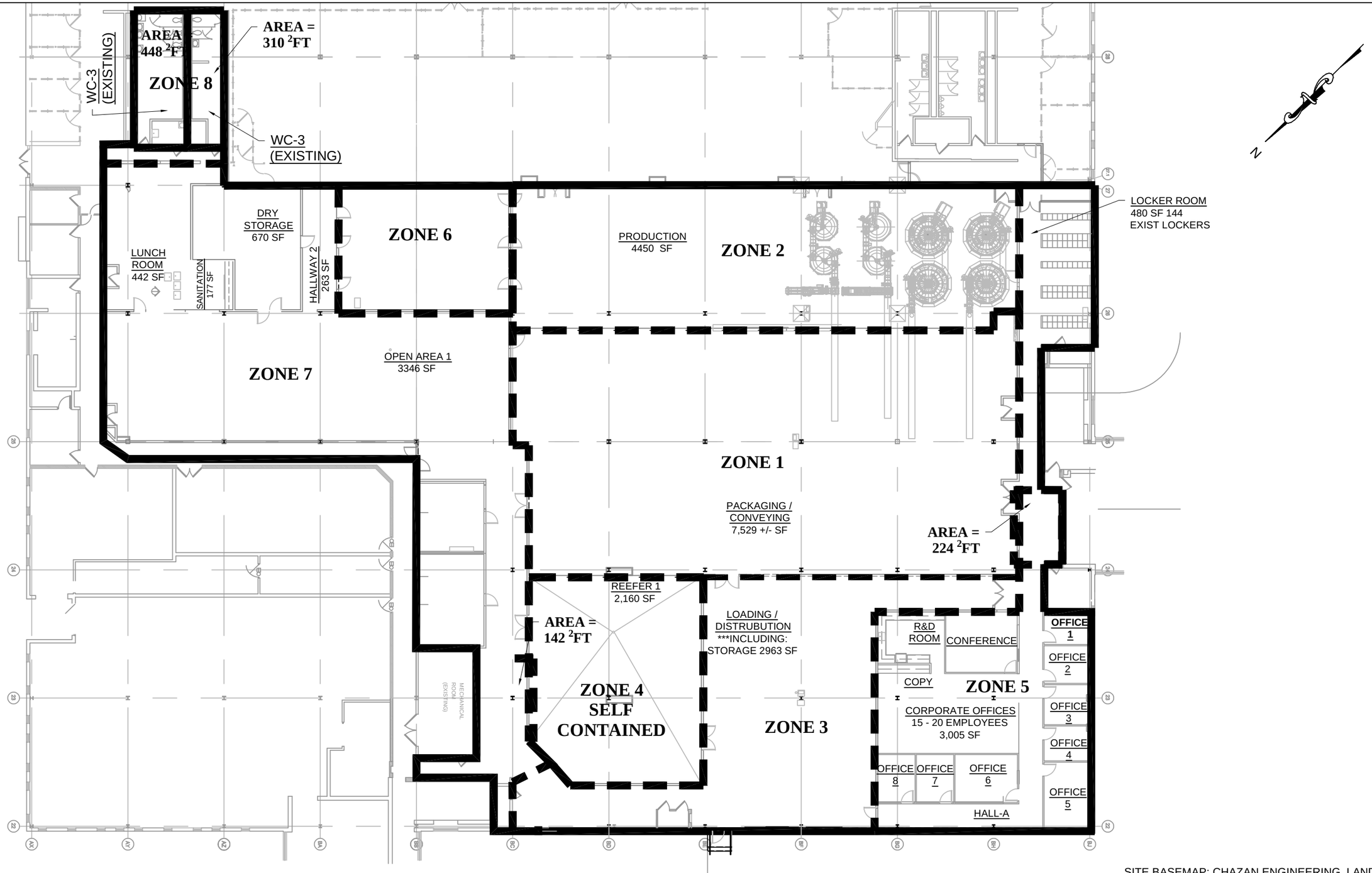
REVISION NO: 0

DESIGNED BY: NMB | DRAWN BY: LS / LTG | JOB NO: IPARK118,33 | DATE: 8/28/19 | 11x17 | SHEET NO: 2 OF 2

APPROVED BY: JMH | SCALE: AS NOTED | CAD FILE NAME: Z:\iPark\0118\iPark0118,33 - Crepini\IAQ\Report\Report File.dwg

FIGURE 3

HVAC ZONES



HVAC ZONES FLOOR PLAN

N.T.S.

SITE BASEMAP: CHAZAN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO. D.P.C. POUGHKEEPSIE, NY (XBASE-SVY_51421-00.DWG 8/10/15); PARCELS: XSUBD_51539-00.DWG.

Walden Environmental Engineering

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REVISION		
No.	DATE	COMMENTS

FOR: BUILDING 330D
iPark 84 Campus
2070 Route 52
Hopewell Junction, N.Y. 12533

DRAWING TITLE: HVAC ZONES IN CREPINI SPACE

DRAWING NO: 3

ISSUED

REVISION N 0

DESIGNED BY: NMB | DRAWN BY: LS | JOB NO: IPARK118.33 | DATE: 8/9/19 | 11x17 | SHEET NO: 3 OF 4

APPROVED BY: JMH | SCALE: AS NOTED

CAD FILE NAME: Z:\iPark\118\iPark0118.33 - Crepini IA\QUACAD\IPARK0118.33 (8-9-19).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 700 (FORMER 330D) - CREPINI SPACE
DECEMBER 27, 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-3	Ground	Indoor Air	28616	5518	2.5	821	-29	0.0	1623	-5	72	Lunch Room	None observed
IA-11	Ground	Indoor Air	19870	7009	2.5	812	-30	0.0	1618	-4	72	Corporate Office Hallway	None observed
Duplicate	Ground	Indoor Air	28606	5388	2.5	813	-30	0.0	1616	-3	72	Corporate Office Hallway	None observed
Ambient Air	Rooftop	Indoor Air	28582	7047	1	836	-30	0.0	1640	-5	40	Under Air Intake	None observed
Field Blank	Ground	Indoor Air	21365	5599	2.5	844	-30	0.0	1556	-20	72	Entryway to Offices	No chemicals observed/Strong food odor (eggs)

TABLE 2

SUMMARY OF IAQ ANALYSIS

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

TABLE 2
SUMMARY OF IAQ ANALYSIS
BUILDING 700 (FORMER 330D) - CREPINI SPACE
DECEMBER 27, 2019

	CAS Registry Number	USEPA BASE Database Tables - Typical Background Concentrations for Indoor Air				Collection Date Sample ID Matrix Location Units	12/27/2019 IA-3 Air Lunch Room		12/27/2019 IA-11 Air Coporate Office Hallway		12/27/2019 DUP Air Corporate Office Hallway		12/27/2019 AA-1 Air Rooftop		12/27/2019 FB Air Open Area	
		75th Percentile	90th Percentile	95th Percentile	99th Percentile		Result	RL	Result	RL		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
1,1-Dichloroethene	75-35-4	<1.2	<1.4	<1.6	<1.7	ug/m3	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
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
1,2-Dichlorobenzene	95-50-1	<1.0	<1.2	<1.3	10.5	ug/m3	< 0.90	0.9	< 0.90	0.9	< 0.90	0.9	< 0.90	0.9	< 0.90	0.9
1,3-Dichlorobenzene	541-73-1	<1.1	<2.4	<2.5	<2.8	ug/m3	< 0.90	0.9	< 0.90	0.9	< 0.90	0.9	< 0.90	0.9	< 0.90	0.9
1,4-Dichlorobenzene	106-46-7	1.4	5.5	12.5	80.5	ug/m3	< 0.90	0.9	< 0.90	0.9	< 0.90	0.9	< 0.90	0.9	< 0.90	0.9
Acetone	67-64-1	59.8	98.9	120.2	226.6	ug/m3	< 2.37	2.37	19.6	2.37	9.33	2.37	34.2	2.37	8.67	2.37
Benzene	71-43-2	5.1	9.4	12.5	25.0	ug/m3	0.58	0.16	0.34	0.16	0.54	0.16	0.34	0.16	0.75	0.16
Carbon Tetrachloride	56-23-5	<1.1	<1.3	0.7	0.9	ug/m3	0.57	0.13	0.58	0.13	0.52	0.13	0.53	0.13	0.3	0.13
Chlorobenzene	108-90-7	<0.8	<0.9	<1.0	1.0	ug/m3	< 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
Dichlorodifluoromethane	75-71-8	10.5	16.5	32.9	81.3	ug/m3	2.51	0.99	2.54	0.99	2.55	0.99	2.39	0.99	1.22	0.99
Ethylbenzene	100-41-4	3.4	5.7	7.6	18.5	ug/m3	0.92	0.65	1.32	0.65	< 0.65	0.65	3.12	0.65	2.41	0.65
m,p-Xylene	179601-23-1	12.2	22.2	28.5	67.6	ug/m3	3.86	0.65	5.86	0.65	< 0.65	0.65	14.2	0.65	8.29	0.65
Methylene Chloride	75-09-2	5.0	10.0	16.0	1155.6	ug/m3	< 1.39	1.39	4.76	1.39	< 1.39	1.39	27.8	1.39	< 1.39	1.39
o-Xylene	95-47-6	4.4	7.9	11.2	20.1	ug/m3	2.9	0.65	4.43	0.65	< 0.65	0.65	10.7	0.65	3.56	0.65
Tetrachloroethene	127-18-4	5.9	15.9	25.4	55.6	ug/m3	1.26	0.68	7.32	0.68	1.1	0.68	2.64	0.68	1.07	0.68
Toluene	108-88-3	25.9	43.0	70.8	348.9	ug/m3	1.11	0.75	< 0.75	0.75	1.95	0.75	1.5	0.75	10.6	0.75
Trichloroethene	79-01-6	1.2	4.2	6.5	57.0	ug/m3	< 0.20	0.2	0.45	0.2	< 0.20	0.2	0.32	0.2	< 0.20	0.2
Trichlorofluoromethane	75-69-4	6.7	18.1	54.0	860.6	ug/m3	6.79	0.84	2.49	0.84	10.3	0.84	2.37	0.84	6.4	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
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

ATTACHMENT 1

NYSDEC SEPTEMBER 27, 2019 LETTER

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau D
625 Broadway, 12th Floor, Albany, NY 12233-7013
P: (518) 402-9676 I F: (518) 402-9773
www.dec.ny.gov

September 27, 2019

Joseph Cotter
iPark 84
200 North Drive
Hopewell Junction, NY 12533

Re: Building 330D – Crepini Space
Indoor Air Quality Report
iPark 84, Former IBM East Fishkill Facility
NYSDEC Site No. 314054, EPA ID NYD000707901

Dear Mr. Cotter:

The New York State Department of Environmental Conservation and Department of Health (Departments) have reviewed the Indoor Air Quality (IAQ) Report for the Crepini space located in Building 330D dated September 16, 2019. This sampling was conducted by Walden Environmental Engineering on behalf of National Resources. This report presents the results of the indoor air sampling that was conducted with the sub-slab depressurization system (SSDS) operating under normal operating conditions but prior to occupancy.

Based on the report, Methylene Chloride was detected in the indoor air above typical background concentrations in two areas. Methylene Chloride was detected in indoor air at a concentration of 27.6 and 27.8 µg/m^3 in the Lunch Room. It was also detected in indoor air at a concentration of 32.6 µg/m3 in the Corporate Office Area. Overall, exposure to Methylene Chloride, at the levels detected in the indoor air during the most recent sampling event, is unlikely to result in adverse health effects. The Crepini space can be occupied, however additional actions are needed.

The Departments request that a second round of indoor air sampling be conducted during this upcoming heating season for Methylene Chloride in the Lunch Room and Corporate Office Area. Please use the previously approved sampling work plan and notify the Departments when work is scheduled. If you have any questions, please call me at (518) 402-9821.

Sincerely,

Jessica LaClair

Jessica LaClair
Project Manager
Remedial Section A, Remedial Bureau D
Division of Environmental Remediation

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

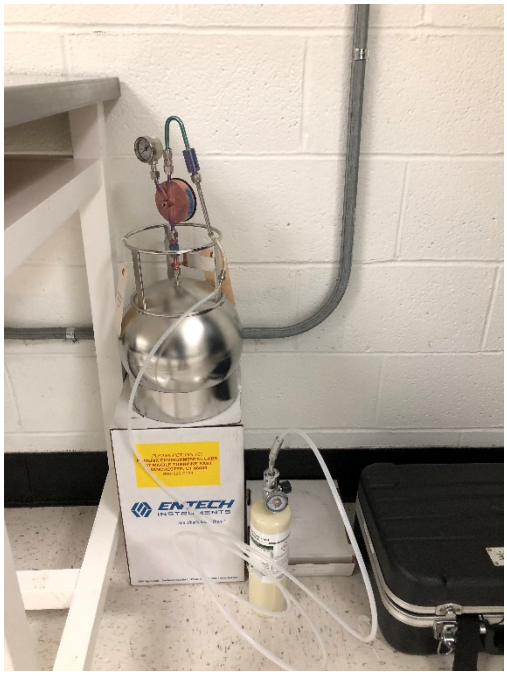
ec: M. Buckley, iParks
C. Monheit, National Resources
N. Brew, Walden
D. Chartrand, IBM
E. Lutz, GF
G. Marone, GF
J. Armitage, NYSDEC
D. Bendell, NYSDEC, Region 3
B. Conlon, NYSDEC
S. Edwards, NYSDEC
J. Kenney, NYSDOH
M. Schuck, NYSDOH

ATTACHMENT 2

PHOTOGRAPHIC LOG OF SAMPLING LOCATIONS

Site Photographs

Photograph #1



Sample Location, FIELD BLANK

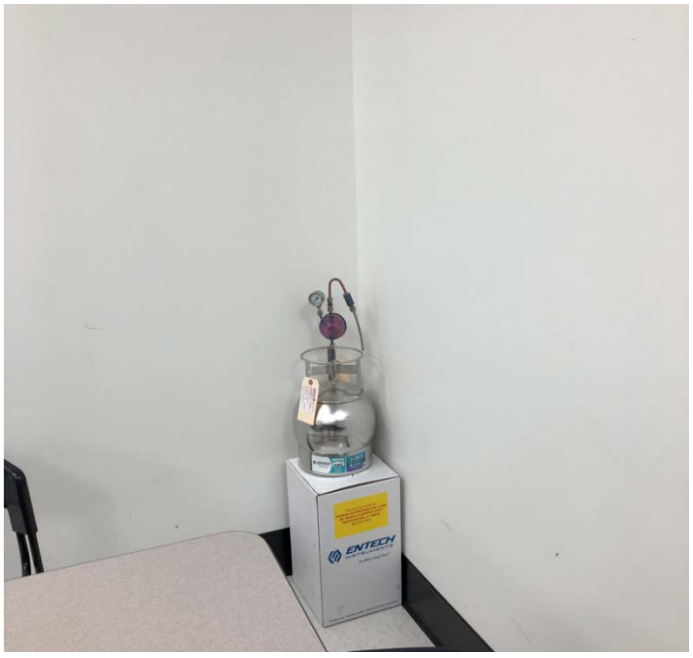
Photograph #2

Sample Location IA-11/Duplicate
Corporate Office Area

Photograph #3

Sample Location AA-1, Rooftop

Photograph #4



Sample Location IA-3, Lunch Room

ATTACHMENT 3

LABORATORY ANALYTICAL REPORT

PHOENIX
Environmental Laboratories, Inc.

Tuesday, December 31, 2019

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

Project ID: **CREPINI IAQ IPARK 0118.27**
SDG ID: **GCE95373**
Sample ID#s: **CE95373 - CE95377**

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301

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

NY # 11301

SDG Comments

December 31, 2019

SDG I.D.: GCE95373

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.

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

NY # 11301

Sample Id Cross Reference

December 31, 2019

SDG I.D.: GCE95373

Project ID: CREPINI IAQ IPARK 0118.27

Client Id	Lab Id	Matrix
IA-11	CE95373	AIR
IA-3	CE95374	AIR
DUP	CE95375	AIR
FB	CE95376	AIR
AA-1	CE95377	AIR

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 31, 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:	KAW	12/27/19	16:18
Location Code:	WALDENE-IPARK	Received by:	LB	12/30/19	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	19870				

Laboratory Data

SDG ID: GCE95373
Phoenix ID: CE95373

Project ID: CREPINI IAQ IPARK 0118.27
Client ID: IA-11

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	*0.200*	0.200	ND	*1.09*	1.09	12/31/19	KCA	1
1,1-Dichloroethene	ND	*0.100*	0.100	ND	*0.40*	0.40	12/31/19	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	12/31/19	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	12/31/19	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	12/31/19	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	12/31/19	KCA	1
Acetone	3.98	*1.00*	1.00	9.45	*2.37*	2.37	12/31/19	KCA	1
Benzene	0.170	*0.050*	0.050	0.54	*0.16*	0.16	12/31/19	KCA	1
Carbon Tetrachloride	0.084	*0.020*	0.020	0.53	*0.13*	0.13	12/31/19	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	12/31/19	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	0.200	ND	*0.79*	0.79	12/31/19	KCA	1
Dichlorodifluoromethane	0.514	*0.200*	0.200	2.54	*0.99*	0.99	12/31/19	KCA	1
Ethylbenzene	ND	*0.150*	0.150	ND	*0.65*	0.65	12/31/19	KCA	1
m,p-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	12/31/19	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	12/31/19	KCA	1
o-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	12/31/19	KCA	1
Tetrachloroethene	0.177	*0.100*	0.100	1.20	*0.68*	0.68	12/31/19	KCA	1
Toluene	ND	*0.200*	0.200	ND	*0.75*	0.75	12/31/19	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	12/31/19	KCA	1
Trichlorofluoromethane	1.85	*0.150*	0.150	10.4	*0.84*	0.84	12/31/19	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	12/31/19	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	12/31/19	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	96	*%*	%	96	*%*	%	12/31/19	KCA	1
% IS-1,4-Difluorobenzene	103	*%*	%	103	*%*	%	12/31/19	KCA	1
% IS-Bromochloromethane	99	*%*	%	99	*%*	%	12/31/19	KCA	1

Ver 1

Project ID: CREPINI IAQ IPARK 0118.27
Client ID: IA-11

Phoenix I.D.: CE95373

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	108	%	%	108	%	%	12/31/19	KCA	1

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
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 31, 2019
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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 31, 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:	KAW	12/27/19	16:23
Location Code:	WALDENE-IPARK	Received by:	LB	12/30/19	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	28616				

Laboratory Data

SDG ID: GCE95373
Phoenix ID: CE95374

Project ID: CREPINI IAQ IPARK 0118.27
Client ID: IA-3

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	*0.200*	0.200	ND	*1.09*	1.09	12/31/19	KCA	1
1,1-Dichloroethene	ND	*0.100*	0.100	ND	*0.40*	0.40	12/31/19	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	12/31/19	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	12/31/19	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	12/31/19	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	12/31/19	KCA	1
Acetone	ND	*1.00*	1.00	ND	*2.37*	2.37	12/31/19	KCA	1
Benzene	0.182	*0.050*	0.050	0.58	*0.16*	0.16	12/31/19	KCA	1
Carbon Tetrachloride	0.091	*0.020*	0.020	0.57	*0.13*	0.13	12/31/19	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	12/31/19	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	0.200	ND	*0.79*	0.79	12/31/19	KCA	1
Dichlorodifluoromethane	0.507	*0.200*	0.200	2.51	*0.99*	0.99	12/31/19	KCA	1
Ethylbenzene	0.213	*0.150*	0.150	0.92	*0.65*	0.65	12/31/19	KCA	1
m,p-Xylene	0.890	*0.150*	0.150	3.86	*0.65*	0.65	12/31/19	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	12/31/19	KCA	1
o-Xylene	0.669	*0.150*	0.150	2.90	*0.65*	0.65	12/31/19	KCA	1
Tetrachloroethene	0.186	*0.100*	0.100	1.26	*0.68*	0.68	12/31/19	KCA	1
Toluene	0.295	*0.200*	0.200	1.11	*0.75*	0.75	12/31/19	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	12/31/19	KCA	1
Trichlorofluoromethane	1.21	*0.150*	0.150	6.79	*0.84*	0.84	12/31/19	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	12/31/19	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	12/31/19	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	92	*%*	%	92	*%*	%	12/31/19	KCA	1
% IS-1,4-Difluorobenzene	100	*%*	%	100	*%*	%	12/31/19	KCA	1
% IS-Bromochloromethane	92	*%*	%	92	*%*	%	12/31/19	KCA	1

Ver 1

Project ID: CREPINI IAQ IPARK 0118.27 Phoenix I.D.: CE95374

Client ID: IA-3

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	106	%	%	106	%	%	12/31/19	KCA	1

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
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 31, 2019

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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 31, 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:	KAW	12/27/19	16:16
Location Code:	WALDENE-IPARK	Received by:	LB	12/30/19	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	28606				

Laboratory Data

SDG ID: GCE95373
Phoenix ID: CE95375

Project ID: CREPINI IAQ IPARK 0118.27
Client ID: DUP

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	*0.200*	0.200	ND	*1.09*	1.09	12/31/19	KCA	1
1,1-Dichloroethene	ND	*0.100*	0.100	ND	*0.40*	0.40	12/31/19	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	12/31/19	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	12/31/19	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	12/31/19	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	12/31/19	KCA	1
Acetone	3.93	*1.00*	1.00	9.33	*2.37*	2.37	12/31/19	KCA	1
Benzene	0.169	*0.050*	0.050	0.54	*0.16*	0.16	12/31/19	KCA	1
Carbon Tetrachloride	0.083	*0.020*	0.020	0.52	*0.13*	0.13	12/31/19	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	12/31/19	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	0.200	ND	*0.79*	0.79	12/31/19	KCA	1
Dichlorodifluoromethane	0.515	*0.200*	0.200	2.55	*0.99*	0.99	12/31/19	KCA	1
Ethylbenzene	ND	*0.150*	0.150	ND	*0.65*	0.65	12/31/19	KCA	1
m,p-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	12/31/19	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	12/31/19	KCA	1
o-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	12/31/19	KCA	1
Tetrachloroethene	0.163	*0.100*	0.100	1.10	*0.68*	0.68	12/31/19	KCA	1
Toluene	0.518	*0.200*	0.200	1.95	*0.75*	0.75	12/31/19	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	12/31/19	KCA	1
Trichlorofluoromethane	1.84	*0.150*	0.150	10.3	*0.84*	0.84	12/31/19	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	12/31/19	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	12/31/19	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	94	*%*	%	94	*%*	%	12/31/19	KCA	1
% IS-1,4-Difluorobenzene	102	*%*	%	102	*%*	%	12/31/19	KCA	1
% IS-Bromochloromethane	97	*%*	%	97	*%*	%	12/31/19	KCA	1

Ver 1

Project ID: CREPINI IAQ IPARK 0118.27 Phoenix I.D.: CE95375

Client ID: DUP

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	108	%	%	108	%	%	12/31/19	KCA	1

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
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 31, 2019

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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 31, 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:	KAW	12/27/19	15:50
Location Code:	WALDENE-IPARK	Received by:	LB	12/30/19	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	21365				

Laboratory Data

SDG ID: GCE95373
Phoenix ID: CE95376

Project ID: CREPINI IAQ IPARK 0118.27
Client ID: FB

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	*0.200*	0.200	ND	*1.09*	1.09	12/31/19	KCA	1
1,1-Dichloroethene	ND	*0.100*	0.100	ND	*0.40*	0.40	12/31/19	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	12/31/19	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	12/31/19	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	12/31/19	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	12/31/19	KCA	1
Acetone	3.65	*1.00*	1.00	8.67	*2.37*	2.37	12/31/19	KCA	1
Benzene	0.235	*0.050*	0.050	0.75	*0.16*	0.16	12/31/19	KCA	1
Carbon Tetrachloride	0.047	*0.020*	0.020	0.30	*0.13*	0.13	12/31/19	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	12/31/19	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	0.200	ND	*0.79*	0.79	12/31/19	KCA	1
Dichlorodifluoromethane	0.246	*0.200*	0.200	1.22	*0.99*	0.99	12/31/19	KCA	1
Ethylbenzene	0.555	*0.150*	0.150	2.41	*0.65*	0.65	12/31/19	KCA	1
m,p-Xylene	1.91	*0.150*	0.150	8.29	*0.65*	0.65	12/31/19	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	12/31/19	KCA	1
o-Xylene	0.820	*0.150*	0.150	3.56	*0.65*	0.65	12/31/19	KCA	1
Tetrachloroethene	0.158	*0.100*	0.100	1.07	*0.68*	0.68	12/31/19	KCA	1
Toluene	2.81	*0.200*	0.200	10.6	*0.75*	0.75	12/31/19	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	12/31/19	KCA	1
Trichlorofluoromethane	1.14	*0.150*	0.150	6.40	*0.84*	0.84	12/31/19	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	12/31/19	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	12/31/19	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	92	*%*	%	92	*%*	%	12/31/19	KCA	1
% IS-1,4-Difluorobenzene	92	*%*	%	92	*%*	%	12/31/19	KCA	1
% IS-Bromochloromethane	86	*%*	%	86	*%*	%	12/31/19	KCA	1

Ver 1

Project ID: CREPINI IAQ IPARK 0118.27 Phoenix I.D.: CE95376

Client ID: FB

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	95	%	%	95	%	%	12/31/19	KCA	1

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
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.

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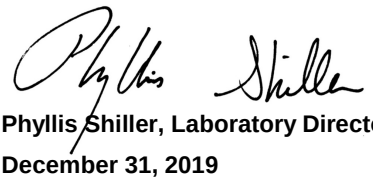


Phyllis Shiller, Laboratory Director

December 31, 2019

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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 31, 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:	KAW	12/27/19	16:40
Location Code:	WALDENE-IPARK	Received by:	LB	12/30/19	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	28582				

Laboratory Data

SDG ID: GCE95373
Phoenix ID: CE95377

Project ID: CREPINI IAQ IPARK 0118.27
Client ID: AA-1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	*0.200*	0.200	ND	*1.09*	1.09	12/31/19	KCA	1
1,1-Dichloroethene	ND	*0.100*	0.100	ND	*0.40*	0.40	12/31/19	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	12/31/19	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	12/31/19	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	12/31/19	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	12/31/19	KCA	1
Acetone	1.46	*1.00*	1.00	3.47	*2.37*	2.37	12/31/19	KCA	1
Benzene	ND	*0.050*	0.050	ND	*0.16*	0.16	12/31/19	KCA	1
Carbon Tetrachloride	0.079	*0.020*	0.020	0.50	*0.13*	0.13	12/31/19	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	12/31/19	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	0.200	ND	*0.79*	0.79	12/31/19	KCA	1
Dichlorodifluoromethane	0.433	*0.200*	0.200	2.14	*0.99*	0.99	12/31/19	KCA	1
Ethylbenzene	ND	*0.150*	0.150	ND	*0.65*	0.65	12/31/19	KCA	1
m,p-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	12/31/19	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	12/31/19	KCA	1
o-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	12/31/19	KCA	1
Tetrachloroethene	ND	*0.100*	0.100	ND	*0.68*	0.68	12/31/19	KCA	1
Toluene	ND	*0.200*	0.200	ND	*0.75*	0.75	12/31/19	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	12/31/19	KCA	1
Trichlorofluoromethane	0.324	*0.150*	0.150	1.82	*0.84*	0.84	12/31/19	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	12/31/19	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	12/31/19	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	94	*%*	%	94	*%*	%	12/31/19	KCA	1
% IS-1,4-Difluorobenzene	106	*%*	%	106	*%*	%	12/31/19	KCA	1
% IS-Bromochloromethane	110	*%*	%	110	*%*	%	12/31/19	KCA	1

Ver 1

Project ID: CREPINI IAQ IPARK 0118.27 Phoenix I.D.: CE95377

Client ID: AA-1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	107	%	%	107	%	%	12/31/19	KCA	1

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
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:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

December 31, 2019

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

Canister Sampling Information

December 31, 2019

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

Location Code: WALDENE-IPARK

SDG I.D.: GCE95373

Project ID: CREPINI IAQ IPARK 0118.27

						Laboratory					Field			
Client Id	Lab Id	Canister Id	Canister Type	Reg. Id	Chk Out Date	Out Hg	In Hg	Out Flow	In Flow	Flow RPD	Start Hg	End Hg	Sampling Start Date	Sampling End Date
IA-11	CE95373	19870	6.0L	7009	12/05/19	-30	-4	10.8	11	1.8	-30	-4	12/27/19 8:12	12/27/19 16:18
IA-3	CE95374	28616	6.0L	5518	12/05/19	-30	-5	10.8	10.9	0.9	-29	-3	12/27/19 8:21	12/27/19 16:23
DUP	CE95375	28606	6.0L	5388	12/05/19	-30	-3	10.8	11.7	8.0	-30	-3	12/27/19 8:13	12/27/19 16:16
FB	CE95376	21365	6.0L	5599	12/05/19	-30	-20	10.8	11.2	3.6	-30	-20	12/27/19 8:44	12/27/19 15:56
AA-1	CE95377	28582	6.0L	7047	12/05/19	-30	-3	10.8	11.1	2.7	-30	-5	12/27/19 8:36	12/27/19 16:40

Tuesday, December 31, 2019

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCE95373 - WALDENE-IPARK

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

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

PHOENIX Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823

12/16

CHAIN OF CUSTODY RECORD
AIR ANALYSES

800-827-5426
email: greg@phoenixlabs.com

P.O. #

Data Delivery:
☐ Fax #:
☒ Email: nbrew@walden-associates.com
☐ Phone #:

Report to: Nora Brew 516-624-7200
Customer: Walden Environmental
Address: 16 Spring Street
Oyster Bay, NY 11771

Project Name: Crespini IAQ | Park0118.27
Invoice to: Carl Manbeit, dir. of development
Park East Fishkill 485 West Putnam Ave Greenwich, CT 06830
Sampled by: MAW

Data Format: (Circle) Equis Excel Other:
Requested Deliverable: RCP ASP CAT B MCP NJ Deliverables
Quote Number:

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-15	APH
		THIS SECTION FOR LAB USE ONLY											MATRIX			ANALYSES	
953773	IA-11	19870	6.0	-30	-4	7009	10.8	8:12	16:18	12/27	-30	-4	X		G	X	
953774	IA-3	28616			-5	5518		8:21	16:23	12/27	-29	-3	X		G	X	
953775	Dup	28606			-3	5388		8:13	16:10	12/27	-30	-3	X		G	X	
953776	FB	21365			-20	5599		8:44	15:50	12/27	-30	-20	X		G	X	
953777	AA-1	28582	↓	↓	-3	7047	↓	8:30	16:40	12/27	-30	-5	X		G	X	

Relinquished by:	Accepted by:	Date:	Time:
	Ken Wright	12/16/19	13:45
		12-[illegible]	15:20

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: _____

State Where Samples Collected: NY 12019 Kyle Hall

Turnaround Time:
1 Day ☐
2 Day ☐
3 Day ☐
4 Day ☐
5 Day ☐

Requested Criteria:
CT:
TAC I/C
TAC RES
SVVC I/C
SVVC RES
GWV I/C
GWV CES

(Please Circle)
MA:
Indoor Air: Residential Ind/Commercial
Soil Gas: Residential Ind/Commercial

NJ:
Indoor Air: Residential Ind/Commercial
Soil Gas: Residential Ind/Commercial

NY:
Vapor Intrusion

PA:
Indoor Air: Residential Non-residential

VT:
Indoor Air: Residential Industrial
Sub-slab: Residential Industrial

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:
"TO-15 special code/list" needed. See Bobbi (5)(6.0) (8H2)
Modified TO-15 analysis per project or Greg IND-CERT
QAPP provided
*RUSH Friday TAT per client (SW)

APPENDIX A

SEPTEMBER 16, 2019 CREPINI INDOOR AIR QUALITY TESTING SUMMARY REPORT

WALDEN ENVIRONMENTAL ENGINEERING

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

September 16, 2019
iPARK0118.33

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 700 (Formerly 330D)
Crepini Space
Hopewell Junction, New York 12533
Indoor Air Quality Testing Summary Report

Dear Ms. LaClair:

Walden Environmental Engineering, PLLC (Walden) has prepared this letter to summarize the results of the indoor air quality (IAQ) testing conducted on August 26, 2019 in the Crepini space within Building 700 (formerly Building 330D). Building 700 is owned by National Resources (NR, iPark East Fishkill LLC); Crepini is leasing space in the northwestern portion of the building, where it will perform food processing and packaging operations. Refer to Figure 1 for the site location map. IAQ testing was conducted in the Crepini 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 Crepini tenant takes occupancy and begins operating in the space.

Walden, at the request of National Resources, 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 August 12, 2019 which was approved by NYSDEC on August 23, 2019.

Summary of HVAC Conditions Within the Building

The Crepini space within Building 700 is served by rooftop handling units (RTUs) that were installed during the recent renovation of the tenant space, prior to occupation. The Crepini HVAC system is divided into eight (8) separate zones as shown on Figure 3. The HVAC system is comprised of 100 supply diffusers with a total cooling capacity of 23,800 CFM, and a calculated 5 air changes per hour for the space as a whole. During the August 26th IAQ sampling, the newly installed Crepini equipment was being tested and National Resources 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 two and a half (2.5) to six (6) feet above the ground surface at the following eleven (11) locations throughout the Crepini space, which are depicted on Figure 2:

- IA-1: Men's Restroom
- IA-2: Women's Restroom
- IA-3: Lunch Room
- IA-4: Open Area
- IA-5: Production Room
- IA-6: Packaging Room
- IA-7: Locker Room
- IA-8: Entrance
- IA-9: Loading/Distribution Room
- IA-10: Hallway
- IA-11: Corporate Office

A duplicate sample (DUPLICATE) was collected at location IA-3. Additionally, one outdoor ambient air sample (AMBIENT AIR) was collected during the investigation at one of the Building 700 rooftop air intakes for the Crepini 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 Crepini space and had the potential to impact the IAQ results. Zero ppm PID readings were recorded at all of the indoor air sampling locations except for IA-5 (Production Room) and IA-6 (Packaging Room), which had VOC concentrations of 0.1 and 0.2 ppm, respectively. These VOC concentrations were likely due to the equipment testing activities being performed during the IAQ sampling event. Walden noted a fairly strong odor coming from the egg whites which were produced and packaged in both rooms.

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 Crepini 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 Crepini 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 Crepini IAQ samples were within or below the range of background concentrations listed in the USEPA BASE database as noted in Table 2, indicating that indoor air quality is acceptable. In addition, IBM continues to operate a vapor extraction system in Building 700 which remove sub-slab vapors containing elevated concentrations of VOCs from beneath the Crepini space and adjoining portions of the building.

Based on the results from the pre-occupancy IAQ testing presented herein, please confirm that the Crepini space within Building 700 is suitable for tenant occupancy.

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

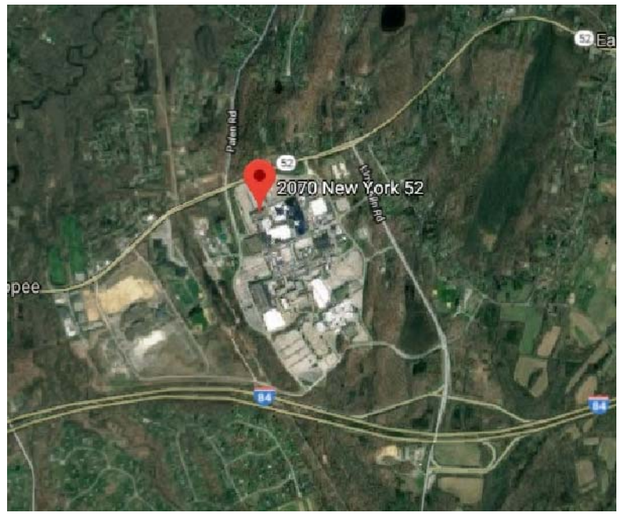
Very truly yours,
Walden Environmental Engineering, PLLC

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

Attachments:
Figure 1 – Site Location Map
Figure 2 – Sampling Locations
Figure 3 – HVAC Zones
Table 1 – Summary of Field Information
Table 2 – Summary of IAQ Analysis
Attachment 1 – Photographic Log of Sampling Locations
Attachment 2 – Laboratory Analytical Report

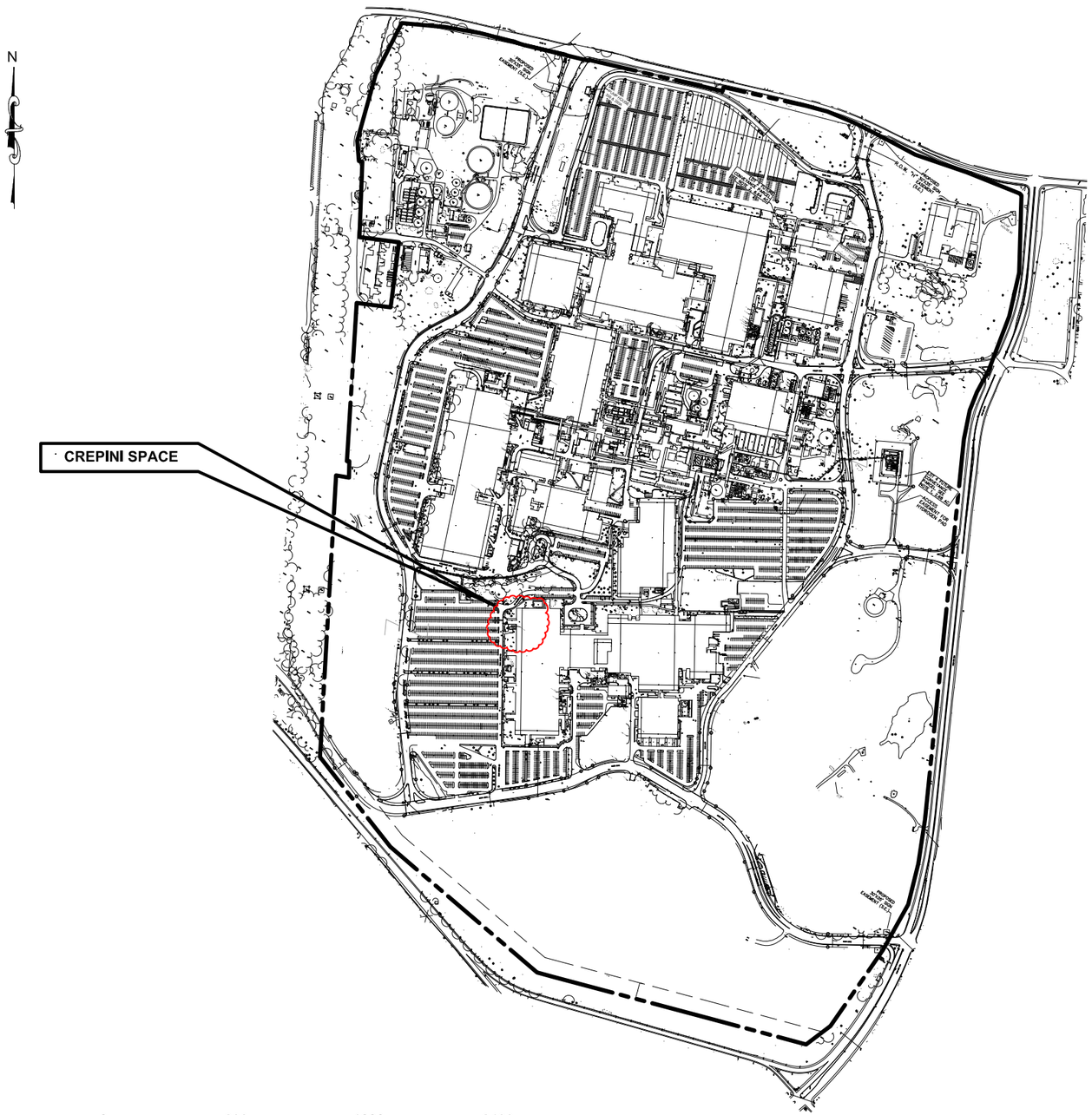
cc: J. Kenney, NYSDOH
C. Monheit, National Resources
M. Buckley, National Resources
D. Chartrand, IBM

Z:\iPark0118\iPark0118.33 - Crepini IAQ\Report\CREPINI IAQ Testing Report 9.3.2019.docx



SITE LOCATION
N.T.S.
SOURCE: GOOGLEMAPS.COM

BUILDING 330D
N.T.S.



0 400 800 1600 2400
SCALE: 1"=800'

SITE LOCATION MAP
SCALE: 1" = 800'-0"

LEGEND
———— - PROPERTY LINE

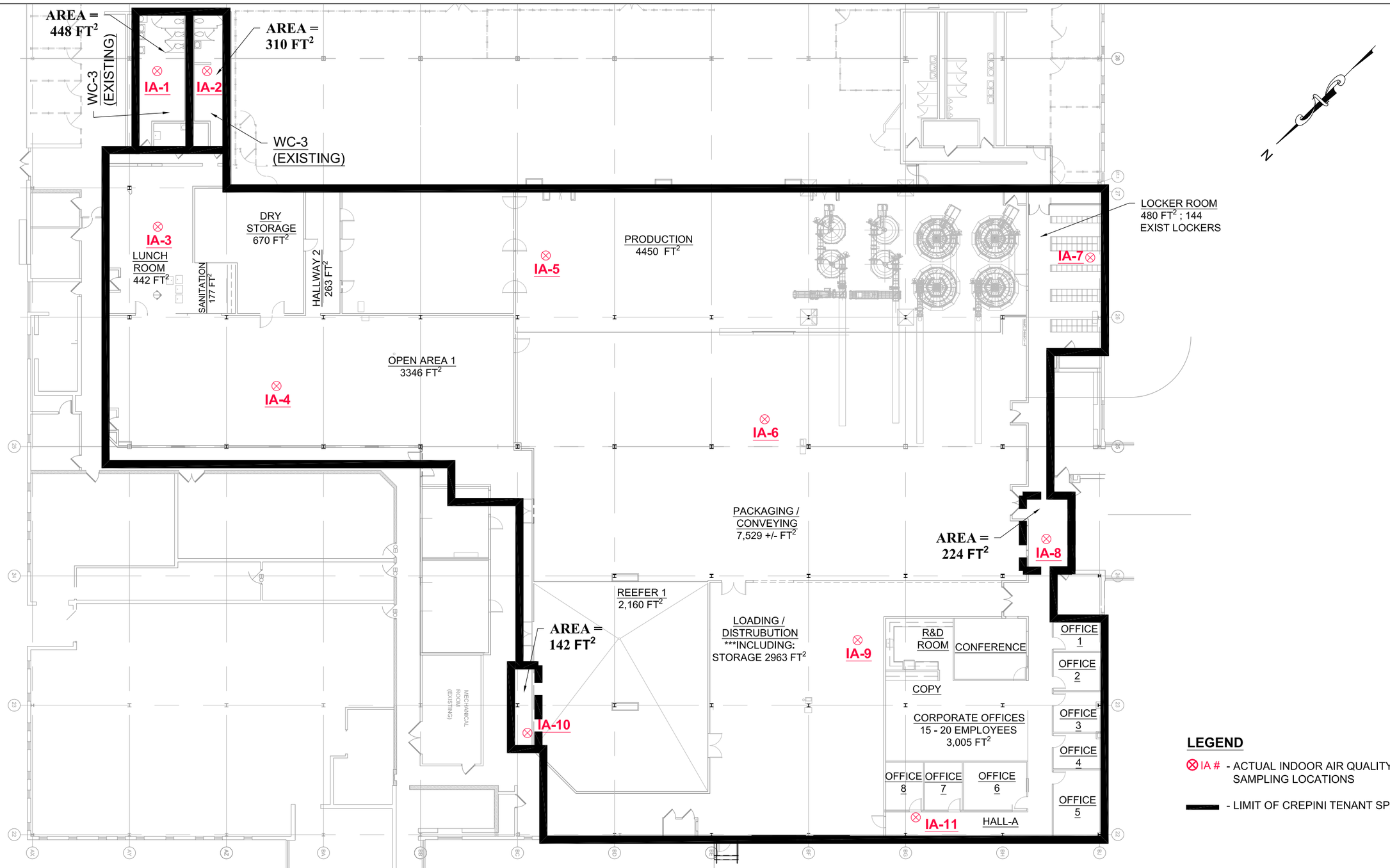
SITE BASEMAP: CHAZAN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO. D.P.C. POUGHKEEPSIE, NY (XBASE-SVY_51421-00.DWG 8/10/15); PARCELS: XSUBD_51539-00.DWG.

- UNAUTHORIZED ALTERATION OR ADDITION TO THIS PLAN IS A VIOLATION OF SECTION 7209 OF NEW YORK STATE EDUCATION LAW.
- COPIES OF THIS PLAN NOT BEARING THE PROFESSIONAL ENGINEER'S INKED SEAL OR EMBOSSED SEAL SHALL NOT BE CONSIDERED TO BE A VALID TRUE COPY.

Walden Environmental Engineering
WALDEN ENVIRONMENTAL ENGINEERING, PLLC
16 Spring Street
Oyster Bay, New York 11771
P: (516) 624-7200 F: (516) 624-3219
WWW.WALDENENVIRONMENTALENGINEERING.COM

REVISION		
No.	DATE	COMMENTS

FOR: BUILDING 330D iPark 84 Campus 2070 Route 52 Hopewell Junction, N.Y. 12533		FIGURE TITLE: SITE LOCATION MAP BUILDING 330D CREPINI SPACE		FIGURE NO: 1	ISSUED
DESIGNED BY: NMB	DRAWN BY: LS	JOB NO: IPARK118.33	DATE: 8/28/19	11x17	SHEET NO: 1 OF 2	REVISION NO: 0
APPROVED BY: JMH	SCALE: AS NOTED	CAD FILE NAME: Z:\iPark\0118\iPark0118.33 - Crepini\IAG\Report\Report File.dwg			



INDOOR AIR QUALITY SAMPLING: ACTUAL LOCATIONS

N.T.S.

SITE BASEMAP: CHAZAN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO. D.P.C. POUGHKEEPSIE, NY (XBASE-SVY_51421-00.DWG 8/10/15); PARCELS: XSUBD_51539-00.DWG.

Walden Environmental Engineering

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16 SPRING STREET
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REVISION		
No.	DATE	COMMENTS

FOR: BUILDING 330D
iPark 84 Campus
2070 Route 52
Hopewell Junction, N.Y. 12533

FIGURE TITLE: CREPINI SPACE INDOOR AIR QUALITY SAMPLING: ACTUAL LOCATIONS

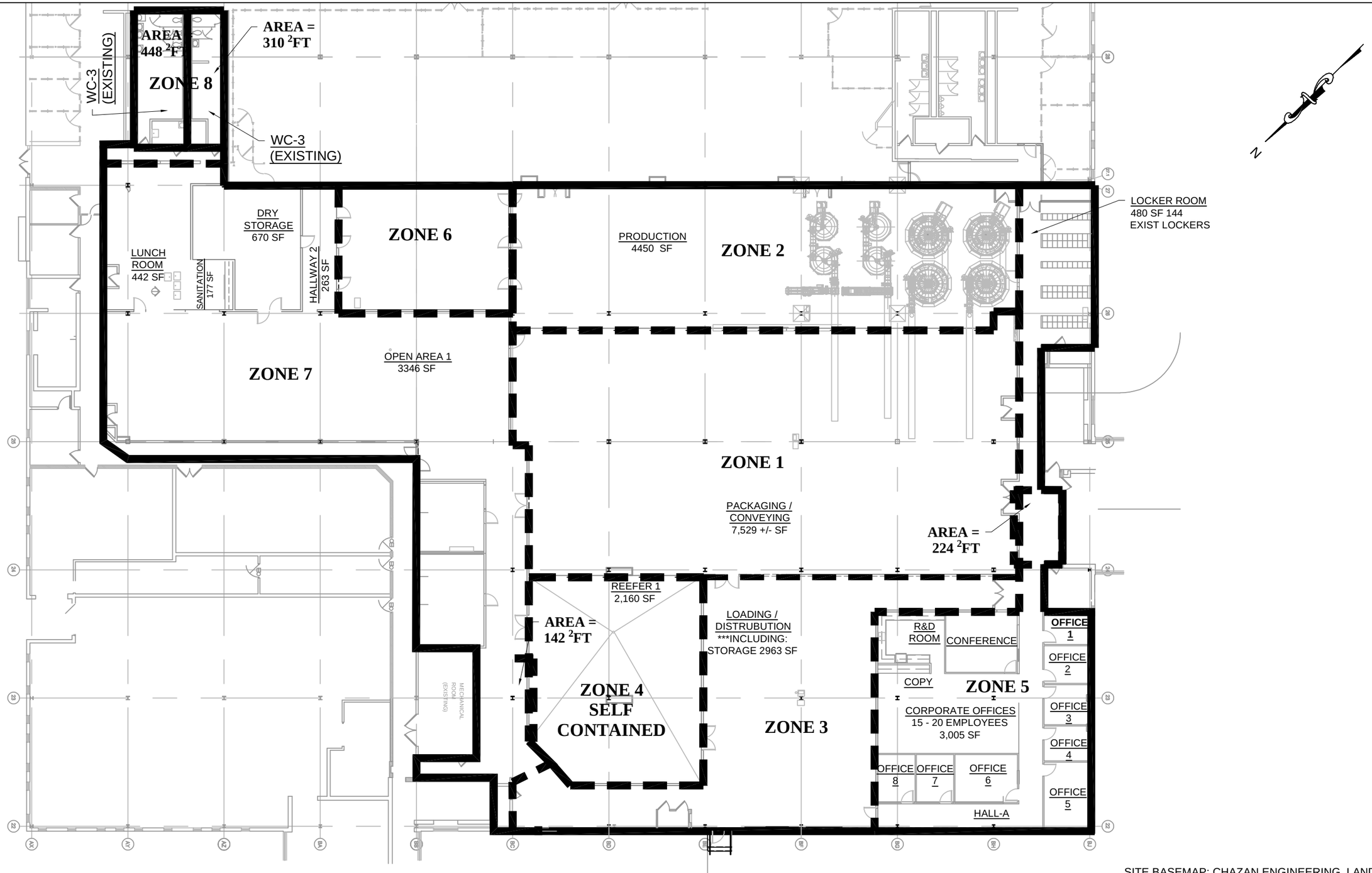
FIGURE NO: 2

ISSUED

REVISION NO: 0

DESIGNED BY: NMB | DRAWN BY: LS / LTG | JOB NO: IPARK118,33 | DATE: 8/28/19 | 11x17 | SHEET NO: 2 OF 2

APPROVED BY: JMH | SCALE: AS NOTED | CAD FILE NAME: Z:\iPark\0118\iPark0118,33 - Crepini\IAQ\Report\Report File.dwg



HVAC ZONES FLOOR PLAN

N.T.S.

SITE BASEMAP: CHAZAN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO. D.P.C. POUGHKEEPSIE, NY (XBASE-SVY_51421-00.DWG 8/10/15); PARCELS: XSUBD_51539-00.DWG.

Walden Environmental Engineering

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REVISION		
No.	DATE	COMMENTS

FOR: BUILDING 330D
iPark 84 Campus
2070 Route 52
Hopewell Junction, N.Y. 12533

DRAWING TITLE: HVAC ZONES IN CREPINI SPACE

DRAWING NO: 3

ISSUED

REVISION N 0

DESIGNED BY: NMB | DRAWN BY: LS | JOB NO: IPARK118.33 | DATE: 8/9/19 | 11x17 | SHEET NO: 3 OF 4

APPROVED BY: JMH | SCALE: AS NOTED

CAD FILE NAME: Z:\iPark\118\iPark0118.33 - Crepini IA\QUACAD\IPARK0118.33 (8-9-19).dwg

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

TABLE 1
SUMMARY OF INDOOR AIR SAMPLE INFORMATION
BUILDING 700 (FORMER 330D) - CREPINI SPACE

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	21365	4988	5.5	950	-30	0.0	1751	-5.5	72	Men's Restroom	None observed
IA-2	Ground	Indoor Air	19931	7019	6	943	-30	0.0	1748	-4	72	Women’s Restroom	None observed
IA-3	Ground	Indoor Air	471	5393	4	948	-30	0.0	1754	-3.5	72	Lunch Room	None observed
IA-4	Ground	Indoor Air	12859	4963	6	953	-29.5	0.0	1758	-5	72	Open Area	None observed
IA-5	Ground	Indoor Air	19916	4492	2.5	1005	-29	0.1	1814	-5.5	80	Production Room	Strong food odor (eggs)
IA-6	Ground	Indoor Air	21357	3413	2.5	1017	-30	0.2	1817	-6	72	Packaging Room	Strong food odor (eggs)
IA-7	Ground	Indoor Air	11288	5615	3	1002	-30	0.0	1809	-3	72	Locker Room	None observed
IA-8	Ground	Indoor Air	13645	5673	2.5	1041	-30	0.0	1841	-5	72	Entrance	None observed
IA-9	Ground	Indoor Air	28567	3504	5	957	-30	0.0	1804	-3	72	Loading/Distribution Room	Pot and pan detergent ; oxidizing floor treatment
IA-10	Ground	Indoor Air	28555	3512	2.5	1012	-30	0.0	1823	-4	72	Hallway	None observed
IA-11	Ground	Indoor Air	28608	7044	6	958	-30	0.0	1806	-4	72	Corporate Office	None observed
Duplicate	Ground	Indoor Air	486	4954	4	1015	-30	0.0	1819	-6.5	72	Lunch Room	None observed
Ambient Air	Building 700 Roof	Ambient Air	221	4982	2	936	-30	0.0	1736	-6.5	60 (AM) ; 77 (PM)	Building Roof	None observed
Field Blank	Ground	Nitrogen	23327	3500	2.5	1026	-28.5	0.0	1225	-4.5	72	n/a	None observed

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

TABLE 2
SUMMARY OF IAQ ANALYSIS
BUILDING 700 (FORMER 330D) - CREPINI SPACE

		USEPA BASE Database Tables - Typical Background Concentrations for Indoor Air				Collection Date	8/26/2019		8/26/2019		8/26/2019		8/26/2019		8/26/2019		8/26/2019		8/26/2019	
						Sample ID	IA-1		IA-2		IA-3		DUPLICATE		IA-4		IA-5		IA-6	
						Matrix	Air		Air		Air		Air		Air		Air		Air	
	CAS Registry Number	75th Percentile	90th Percentile	95th Percentile	99th Percentile	Location	Men's Restroom		Women's Restroom		Lunch Room		Lunch Room		Open Area		Production Room		Packaging Room	
						Units	Result	RL	Result	RL		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
1,1-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
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
1,2-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
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
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
Acetone	67-64-1	59.8	98.9	120.2	226.6	ug/m3	22.8	2.37	19.6	2.37	40.1	2.37	34.2	2.37	17.9	2.37	23.4	2.37	24.2	2.37
Benzene	71-43-2	5.1	9.4	12.5	25.0	ug/m3	0.28	0.16	0.34	0.16	0.36	0.16	0.34	0.16	0.37	0.16	0.38	0.16	0.37	0.16
Carbon Tetrachloride	56-23-5	<1.1	<1.3	0.7	0.9	ug/m3	0.97	0.13	0.58	0.13	0.5	0.13	0.53	0.13	0.52	0.13	0.5	0.13	0.5	0.13
Chlorobenzene	108-90-7	<0.8	<0.9	<1.0	1.0	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
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
Dichlorodifluoromethane	75-71-8	10.5	16.5	32.9	81.3	ug/m3	2.48	0.99	2.54	0.99	2.31	0.99	2.39	0.99	2.3	0.99	1.33	0.99	1.05	0.99
Ethylbenzene	100-41-4	3.4	5.7	7.6	18.5	ug/m3	0.7	0.65	1.32	0.65	3.32	0.65	3.12	0.65	4.13	0.65	2.07	0.65	3.31	0.65
m,p-Xylene	179601-23-1	12.2	22.2	28.5	67.6	ug/m3	2.89	0.65	5.86	0.65	14.8	0.65	14.2	0.65	18.9	0.65	9.46	0.65	15.1	0.65
Methylene Chloride	75-09-2	5.0	10.0	16.0	1155.6	ug/m3	2.83	1.39	4.76	1.39	27.6	1.39	27.8	1.39	2.43	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	2.03	0.65	4.43	0.65	11.8	0.65	10.7	0.65	14.9	0.65	7.12	0.65	12.6	0.65
Tetrachloroethene	127-18-4	5.9	15.9	25.4	55.6	ug/m3	2.38	0.68	7.32	0.68	2.69	0.68	2.64	0.68	2.85	0.68	3.76	0.68	2.96	0.68
Toluene	108-88-3	25.9	43.0	70.8	348.9	ug/m3	< 0.75	0.75	< 0.75	0.75	1.73	0.75	1.5	0.75	0.82	0.75	< 0.75	0.75	0.89	0.75
Trichloroethene	79-01-6	1.2	4.2	6.5	57.0	ug/m3	< 0.20	0.20	0.45	0.20	< 0.20	0.20	0.32	0.20	< 0.20	0.20	< 0.20	0.20	0.23	0.20
Trichlorofluoromethane	75-69-4	6.7	18.1	54.0	860.6	ug/m3	2.36	0.84	2.49	0.84	2.27	0.84	2.37	0.84	2.26	0.84	2.45	0.84	2.26	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
Vinyl Chloride	75-01-4	<1.0	<1.9	<2.2	<2.6	ug/m3	<0.05	.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

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

TABLE 2
SUMMARY OF IAQ ANALYSIS
BUILDING 700 (FORMER 330D) - CREPINI SPACE

		USEPA BASE Database Tables - Typical Background Concentrations for Indoor Air				Collection Date	8/26/2019		8/26/2019		8/26/2019		8/26/2019		8/26/2019		8/26/2019		8/26/2019	
						Sample ID	IA-7		IA-8		IA-9		IA-10		IA-11		AMBIENT AIR		FIELD BLANK	
						Matrix	Air		Air		Air		Air		Air		Air		Air	
	CAS Registry Number	75th Percentile	90th Percentile	95th Percentile	99th Percentile	Location	Locker Room		Entrance		Loading - Distribution Room		Hallway		Corporate Office		Outdoor Air Intake			
						Units	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
1,1-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
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
1,2-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
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
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
Acetone	67-64-1	59.8	98.9	120.2	226.6	ug/m3	15.5	2.37	16.9	2.37	13.3	2.37	18.1	2.37	26.6	2.37	4.56	2.37	5.93	2.37
Benzene	71-43-2	5.1	9.4	12.5	25.0	ug/m3	0.51	0.16	0.34	0.16	0.34	0.16	0.38	0.16	0.37	0.16	0.18	0.16	0.41	0.16
Carbon Tetrachloride	56-23-5	<1.1	<1.3	0.7	0.9	ug/m3	0.5	0.13	0.55	0.13	0.5	0.13	0.5	0.13	0.55	0.13	0.49	0.13	< 0.13	0.13
Chlorobenzene	108-90-7	<0.8	<0.9	<1.0	1.0	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
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
Dichlorodifluoromethane	75-71-8	10.5	16.5	32.9	81.3	ug/m3	1.91	0.99	1.25	0.99	2.01	0.99	1.69	0.99	2.32	0.99	2.94	0.99	< 0.99	0.99
Ethylbenzene	100-41-4	3.4	5.7	7.6	18.5	ug/m3	< 0.65	0.65	1.12	0.65	1.33	0.65	2.24	0.65	1.22	0.65	< 0.65	0.65	2.36	0.65
m,p-Xylene	179601-23-1	12.2	22.2	28.5	67.6	ug/m3	2.1	0.65	4.86	0.65	5.6	0.65	10.5	0.65	4.73	0.65	< 0.65	0.65	8.29	0.65
Methylene Chloride	75-09-2	5.0	10.0	16.0	1155.6	ug/m3	2.99	1.39	4.41	1.39	< 1.39	1.39	< 1.39	1.39	32.6	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	1.38	0.65	3.39	0.65	3.93	0.65	7.81	0.65	3.19	0.65	< 0.65	0.65	3.82	0.65
Tetrachloroethene	127-18-4	5.9	15.9	25.4	55.6	ug/m3	3.46	0.68	2.58	0.68	1.34	0.68	1.79	0.68	2.54	0.68	< 0.68	0.68	< 0.68	0.68
Toluene	108-88-3	25.9	43.0	70.8	348.9	ug/m3	< 0.75	0.75	0.91	0.75	0.82	0.75	< 0.75	0.75	2.71	0.75	< 0.75	0.75	3.74	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	0.56	0.20	< 0.20	0.20	< 0.20	0.20
Trichlorofluoromethane	75-69-4	6.7	18.1	54.0	860.6	ug/m3	2.61	0.84	2.35	0.84	2.18	0.84	1.91	0.84	3.19	0.84	2.34	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
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

Site Photographs

Photograph #1

Sample Location IA-1, located in Men's Restroom

Photograph #2

Sample Location IA-2, located in Women's Restroom

Photograph #3

Sample Location IA-3/Duplicate, located in Lunch Room

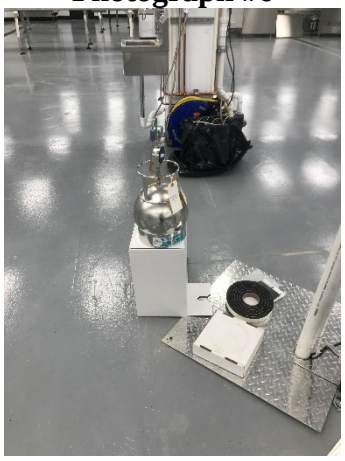
Photograph #4

Sample Location IA-4, located in Open Area

Photograph #5

Sample Location IA-5, located in Production Room

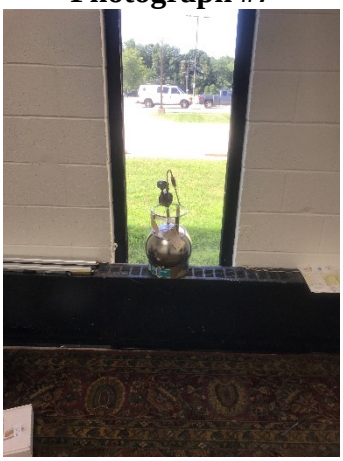
Photograph #6



Sample Location IA-6, located in Packaging Room

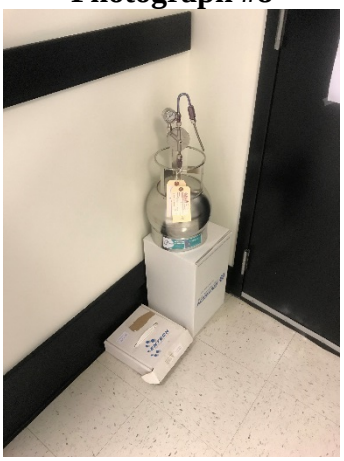
Site Photographs (continued)

Photograph #7



Sample Location IA-7, located in Locker Room

Photograph #8

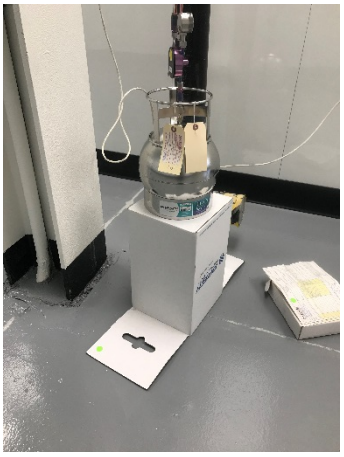


Sample Location IA-8, located in Entrance

Photograph #9

Sample Location IA-9, located in Loading/Distribution Room

Photograph #10

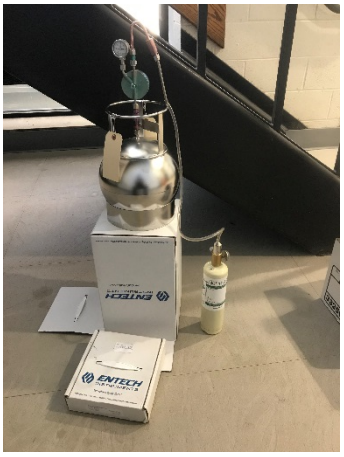


Sample Location IA-10, located in Hallway

Photograph #11

Sample Location IA-11, located in Corporate Office

Photograph #12



Sample Location FIELD BLANK

PHOENIX
Environmental Laboratories, Inc.

Tuesday, September 03, 2019

Attn: Greta White
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Project ID: **PARK0118.33**
SDG ID: **GCD93124**
Sample ID#s: **CD93124 - CD93137**

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301

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

NY # 11301

SDG Comments

September 03, 2019

SDG I.D.: GCD93124

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.

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

NY # 11301

Sample Id Cross Reference

September 03, 2019

SDG I.D.: GCD93124

Project ID: PARK0118.33

Client Id	Lab Id	Matrix
IA-3	CD93124	AIR
IA-1	CD93125	AIR
IA-11	CD93126	AIR
IA-2	CD93127	AIR
IA-6	CD93128	AIR
IA-4	CD93129	AIR
AMBIENT AIR	CD93130	AIR
FIELD BLANK	CD93131	AIR
IA-5	CD93132	AIR
IA-9	CD93133	AIR
IA-7	CD93134	AIR
IA-8	CD93135	AIR
DUPLICATE	CD93136	AIR
IA-10	CD93137	AIR

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

September 03, 2019

FOR: Attn: Greta White
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	LG	08/26/19	17:54
Location Code:	WALDENE	Received by:	SW	08/27/19	15:16
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	471				

Laboratory Data

SDG ID: GCD93124
Phoenix ID: CD93124

Project ID: PARK0118.33
Client ID: IA-3

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	*0.200*	0.200	ND	*1.09*	1.09	08/29/19	KCA	1
1,1-Dichloroethene	ND	*0.100*	0.100	ND	*0.40*	0.40	08/29/19	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	08/29/19	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/29/19	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/29/19	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/29/19	KCA	1
Acetone	16.9	*1.00*	1.00	40.1	*2.37*	2.37	08/29/19	KCA	1
Benzene	0.114	*0.050*	0.050	0.36	*0.16*	0.16	08/29/19	KCA	1
Carbon Tetrachloride	0.080	*0.020*	0.020	0.50	*0.13*	0.13	08/29/19	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	08/29/19	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	0.200	ND	*0.79*	0.79	08/29/19	KCA	1
Dichlorodifluoromethane	0.467	*0.200*	0.200	2.31	*0.99*	0.99	08/29/19	KCA	1
Ethylbenzene	0.764	*0.150*	0.150	3.32	*0.65*	0.65	08/29/19	KCA	1
m,p-Xylene	3.42	*0.150*	0.150	14.8	*0.65*	0.65	08/29/19	KCA	1
Methylene Chloride	7.96	*0.400*	0.400	27.6	*1.39*	1.39	08/29/19	KCA	1
o-Xylene	2.72	*0.150*	0.150	11.8	*0.65*	0.65	08/29/19	KCA	1
Tetrachloroethene	0.397	*0.100*	0.100	2.69	*0.68*	0.68	08/29/19	KCA	1
Toluene	0.459	*0.200*	0.200	1.73	*0.75*	0.75	08/29/19	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	08/29/19	KCA	1
Trichlorofluoromethane	0.405	*0.150*	0.150	2.27	*0.84*	0.84	08/29/19	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	08/29/19	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	08/29/19	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	96	*%*	%	96	*%*	%	08/29/19	KCA	1
% IS-1,4-Difluorobenzene	105	*%*	%	105	*%*	%	08/29/19	KCA	1
% IS-Bromochloromethane	95	*%*	%	95	*%*	%	08/29/19	KCA	1

Ver 1

Project ID: PARK0118.33
Client ID: IA-3

Phoenix I.D.: CD93124

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	107	%	%	107	%	%	08/29/19	KCA	1

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
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:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
September 03, 2019
Reviewed and Released by: Rashmi Makol, Project Manager

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

September 03, 2019

FOR: Attn: Greta White
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	LG	08/26/19	17:51
Location Code:	WALDENE	Received by:	SW	08/27/19	15:16
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	21365				

Laboratory Data

SDG ID: GCD93124
Phoenix ID: CD93125

Project ID: PARK0118.33
Client ID: IA-1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	*0.200*	0.200	ND	*1.09*	1.09	08/29/19	KCA	1
1,1-Dichloroethene	ND	*0.100*	0.100	ND	*0.40*	0.40	08/29/19	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	08/29/19	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/29/19	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/29/19	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/29/19	KCA	1
Acetone	9.61	*1.00*	1.00	22.8	*2.37*	2.37	08/29/19	KCA	1
Benzene	0.087	*0.050*	0.050	0.28	*0.16*	0.16	08/29/19	KCA	1
Carbon Tetrachloride	0.154	*0.020*	0.020	0.97	*0.13*	0.13	08/29/19	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	08/29/19	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	0.200	ND	*0.79*	0.79	08/29/19	KCA	1
Dichlorodifluoromethane	0.501	*0.200*	0.200	2.48	*0.99*	0.99	08/29/19	KCA	1
Ethylbenzene	0.162	*0.150*	0.150	0.70	*0.65*	0.65	08/29/19	KCA	1
m,p-Xylene	0.667	*0.150*	0.150	2.89	*0.65*	0.65	08/29/19	KCA	1
Methylene Chloride	0.816	*0.400*	0.400	2.83	*1.39*	1.39	08/29/19	KCA	1
o-Xylene	0.468	*0.150*	0.150	2.03	*0.65*	0.65	08/29/19	KCA	1
Tetrachloroethene	0.351	*0.100*	0.100	2.38	*0.68*	0.68	08/29/19	KCA	1
Toluene	ND	*0.200*	0.200	ND	*0.75*	0.75	08/29/19	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	08/29/19	KCA	1
Trichlorofluoromethane	0.420	*0.150*	0.150	2.36	*0.84*	0.84	08/29/19	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	08/29/19	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	08/29/19	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	97	*%*	%	97	*%*	%	08/29/19	KCA	1
% IS-1,4-Difluorobenzene	108	*%*	%	108	*%*	%	08/29/19	KCA	1
% IS-Bromochloromethane	100	*%*	%	100	*%*	%	08/29/19	KCA	1

Project ID: PARK0118.33
Client ID: IA-1

Phoenix I.D.: CD93125

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	109	%	%	109	%	%	08/29/19	KCA	1

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
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
September 03, 2019
Reviewed and Released by: Rashmi Makol, Project Manager

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

September 03, 2019

FOR: Attn: Greta White
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	LG	08/26/19	18:06
Location Code:	WALDENE	Received by:	SW	08/27/19	15:16
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	28608				

Laboratory Data

SDG ID: GCD93124
Phoenix ID: CD93126

Project ID: PARK0118.33
Client ID: IA-11

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	*0.200*	0.200	ND	*1.09*	1.09	08/29/19	KCA	1
1,1-Dichloroethene	ND	*0.100*	0.100	ND	*0.40*	0.40	08/29/19	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	08/29/19	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/29/19	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/29/19	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/29/19	KCA	1
Acetone	11.2	*1.00*	1.00	26.6	*2.37*	2.37	08/29/19	KCA	1
Benzene	0.117	*0.050*	0.050	0.37	*0.16*	0.16	08/29/19	KCA	1
Carbon Tetrachloride	0.088	*0.020*	0.020	0.55	*0.13*	0.13	08/29/19	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	08/29/19	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	0.200	ND	*0.79*	0.79	08/29/19	KCA	1
Dichlorodifluoromethane	0.469	*0.200*	0.200	2.32	*0.99*	0.99	08/29/19	KCA	1
Ethylbenzene	0.280	*0.150*	0.150	1.22	*0.65*	0.65	08/29/19	KCA	1
m,p-Xylene	1.09	*0.150*	0.150	4.73	*0.65*	0.65	08/29/19	KCA	1
Methylene Chloride	9.39	*0.400*	0.400	32.6	*1.39*	1.39	08/29/19	KCA	1
o-Xylene	0.735	*0.150*	0.150	3.19	*0.65*	0.65	08/29/19	KCA	1
Tetrachloroethene	0.374	*0.100*	0.100	2.54	*0.68*	0.68	08/29/19	KCA	1
Toluene	0.720	*0.200*	0.200	2.71	*0.75*	0.75	08/29/19	KCA	1
Trichloroethene	0.105	*0.037*	0.037	0.56	*0.20*	0.20	08/29/19	KCA	1
Trichlorofluoromethane	0.569	*0.150*	0.150	3.19	*0.84*	0.84	08/29/19	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	08/29/19	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	08/29/19	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	95	*%*	%	95	*%*	%	08/29/19	KCA	1
% IS-1,4-Difluorobenzene	104	*%*	%	104	*%*	%	08/29/19	KCA	1
% IS-Bromochloromethane	96	*%*	%	96	*%*	%	08/29/19	KCA	1

Ver 1

Project ID: PARK0118.33
Client ID: IA-11

Phoenix I.D.: CD93126

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	109	%	%	109	%	%	08/29/19	KCA	1

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
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
September 03, 2019
Reviewed and Released by: Rashmi Makol, Project Manager

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

September 03, 2019

FOR: Attn: Greta White
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	LG	08/26/19	17:48
Location Code:	WALDENE	Received by:	SW	08/27/19	15:16
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	19931				

Laboratory Data

SDG ID: GCD93124
Phoenix ID: CD93127

Project ID: PARK0118.33
Client ID: IA-2

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	*0.200*	0.200	ND	*1.09*	1.09	08/29/19	KCA	1
1,1-Dichloroethene	ND	*0.100*	0.100	ND	*0.40*	0.40	08/29/19	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	08/29/19	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/29/19	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/29/19	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/29/19	KCA	1
Acetone	8.25	*1.00*	1.00	19.6	*2.37*	2.37	08/29/19	KCA	1
Benzene	0.106	*0.050*	0.050	0.34	*0.16*	0.16	08/29/19	KCA	1
Carbon Tetrachloride	0.093	*0.020*	0.020	0.58	*0.13*	0.13	08/29/19	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	08/29/19	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	0.200	ND	*0.79*	0.79	08/29/19	KCA	1
Dichlorodifluoromethane	0.514	*0.200*	0.200	2.54	*0.99*	0.99	08/29/19	KCA	1
Ethylbenzene	0.304	*0.150*	0.150	1.32	*0.65*	0.65	08/29/19	KCA	1
m,p-Xylene	1.35	*0.150*	0.150	5.86	*0.65*	0.65	08/29/19	KCA	1
Methylene Chloride	1.37	*0.400*	0.400	4.76	*1.39*	1.39	08/29/19	KCA	1
o-Xylene	1.02	*0.150*	0.150	4.43	*0.65*	0.65	08/29/19	KCA	1
Tetrachloroethene	1.08	*0.100*	0.100	7.32	*0.68*	0.68	08/29/19	KCA	1
Toluene	ND	*0.200*	0.200	ND	*0.75*	0.75	08/29/19	KCA	1
Trichloroethene	0.084	*0.037*	0.037	0.45	*0.20*	0.20	08/29/19	KCA	1
Trichlorofluoromethane	0.444	*0.150*	0.150	2.49	*0.84*	0.84	08/29/19	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	08/29/19	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	08/29/19	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	96	*%*	%	96	*%*	%	08/29/19	KCA	1
% IS-1,4-Difluorobenzene	104	*%*	%	104	*%*	%	08/29/19	KCA	1
% IS-Bromochloromethane	97	*%*	%	97	*%*	%	08/29/19	KCA	1

Ver 1

Project ID: PARK0118.33
Client ID: IA-2

Phoenix I.D.: CD93127

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	107	%	%	107	%	%	08/29/19	KCA	1

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
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
September 03, 2019
Reviewed and Released by: Rashmi Makol, Project Manager

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

September 03, 2019

FOR: Attn: Greta White
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	LG	08/26/19	18:17
Location Code:	WALDENE	Received by:	SW	08/27/19	15:16
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	21357				

Laboratory Data

SDG ID: GCD93124
Phoenix ID: CD93128

Project ID: PARK0118.33
Client ID: IA-6

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	*0.200*	0.200	ND	*1.09*	1.09	08/29/19	KCA	1
1,1-Dichloroethene	ND	*0.100*	0.100	ND	*0.40*	0.40	08/29/19	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	08/29/19	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/29/19	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/29/19	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/29/19	KCA	1
Acetone	10.2	*1.00*	1.00	24.2	*2.37*	2.37	08/29/19	KCA	1
Benzene	0.117	*0.050*	0.050	0.37	*0.16*	0.16	08/29/19	KCA	1
Carbon Tetrachloride	0.079	*0.020*	0.020	0.50	*0.13*	0.13	08/29/19	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	08/29/19	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	0.200	ND	*0.79*	0.79	08/29/19	KCA	1
Dichlorodifluoromethane	0.212	*0.200*	0.200	1.05	*0.99*	0.99	08/29/19	KCA	1
Ethylbenzene	0.763	*0.150*	0.150	3.31	*0.65*	0.65	08/29/19	KCA	1
m,p-Xylene	3.49	*0.150*	0.150	15.1	*0.65*	0.65	08/29/19	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	08/29/19	KCA	1
o-Xylene	2.90	*0.150*	0.150	12.6	*0.65*	0.65	08/29/19	KCA	1
Tetrachloroethene	0.437	*0.100*	0.100	2.96	*0.68*	0.68	08/29/19	KCA	1
Toluene	0.237	*0.200*	0.200	0.89	*0.75*	0.75	08/29/19	KCA	1
Trichloroethene	0.042	*0.037*	0.037	0.23	*0.20*	0.20	08/29/19	KCA	1
Trichlorofluoromethane	0.403	*0.150*	0.150	2.26	*0.84*	0.84	08/29/19	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	08/29/19	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	08/29/19	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	92	*%*	%	92	*%*	%	08/29/19	KCA	1
% IS-1,4-Difluorobenzene	105	*%*	%	105	*%*	%	08/29/19	KCA	1
% IS-Bromochloromethane	95	*%*	%	95	*%*	%	08/29/19	KCA	1

Ver 1

Project ID: PARK0118.33
Client ID: IA-6

Phoenix I.D.: CD93128

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	110	%	%	110	%	%	08/29/19	KCA	1

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
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.

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Phyllis Shiller, Laboratory Director
September 03, 2019
Reviewed and Released by: Rashmi Makol, Project Manager

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

September 03, 2019

FOR: Attn: Greta White
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	LG	08/26/19	17:58
Location Code:	WALDENE	Received by:	SW	08/27/19	15:16
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	12859				

Laboratory Data

SDG ID: GCD93124
Phoenix ID: CD93129

Project ID: PARK0118.33
Client ID: IA-4

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	*0.200*	0.200	ND	*1.09*	1.09	08/29/19	KCA	1
1,1-Dichloroethene	ND	*0.100*	0.100	ND	*0.40*	0.40	08/29/19	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	08/29/19	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/29/19	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/29/19	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/29/19	KCA	1
Acetone	7.52	*1.00*	1.00	17.9	*2.37*	2.37	08/29/19	KCA	1
Benzene	0.115	*0.050*	0.050	0.37	*0.16*	0.16	08/29/19	KCA	1
Carbon Tetrachloride	0.082	*0.020*	0.020	0.52	*0.13*	0.13	08/29/19	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	08/29/19	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	0.200	ND	*0.79*	0.79	08/29/19	KCA	1
Dichlorodifluoromethane	0.465	*0.200*	0.200	2.30	*0.99*	0.99	08/29/19	KCA	1
Ethylbenzene	0.951	*0.150*	0.150	4.13	*0.65*	0.65	08/29/19	KCA	1
m,p-Xylene	4.35	*0.150*	0.150	18.9	*0.65*	0.65	08/29/19	KCA	1
Methylene Chloride	0.700	*0.400*	0.400	2.43	*1.39*	1.39	08/29/19	KCA	1
o-Xylene	3.43	*0.150*	0.150	14.9	*0.65*	0.65	08/29/19	KCA	1
Tetrachloroethene	0.421	*0.100*	0.100	2.85	*0.68*	0.68	08/29/19	KCA	1
Toluene	0.217	*0.200*	0.200	0.82	*0.75*	0.75	08/29/19	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	08/29/19	KCA	1
Trichlorofluoromethane	0.403	*0.150*	0.150	2.26	*0.84*	0.84	08/29/19	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	08/29/19	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	08/29/19	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	91	*%*	%	91	*%*	%	08/29/19	KCA	1
% IS-1,4-Difluorobenzene	105	*%*	%	105	*%*	%	08/29/19	KCA	1
% IS-Bromochloromethane	94	*%*	%	94	*%*	%	08/29/19	KCA	1

Ver 1

Project ID: PARK0118.33
Client ID: IA-4

Phoenix I.D.: CD93129

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	109	%	%	109	%	%	08/29/19	KCA	1

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
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
September 03, 2019
Reviewed and Released by: Rashmi Makol, Project Manager

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

September 03, 2019

FOR: Attn: Greta White
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	LG	08/26/19	17:36
Location Code:	WALDENE	Received by:	SW	08/27/19	15:16
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	221				

Laboratory Data

SDG ID: GCD93124
Phoenix ID: CD93130

Project ID: PARK0118.33
Client ID: AMBIENT AIR

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	*0.200*	0.200	ND	*1.09*	1.09	08/29/19	KCA	1
1,1-Dichloroethene	ND	*0.100*	0.100	ND	*0.40*	0.40	08/29/19	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	08/29/19	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/29/19	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/29/19	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/29/19	KCA	1
Acetone	1.92	*1.00*	1.00	4.56	*2.37*	2.37	08/29/19	KCA	1
Benzene	0.057	*0.050*	0.050	0.18	*0.16*	0.16	08/29/19	KCA	1
Carbon Tetrachloride	0.078	*0.020*	0.020	0.49	*0.13*	0.13	08/29/19	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	08/29/19	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	0.200	ND	*0.79*	0.79	08/29/19	KCA	1
Dichlorodifluoromethane	0.595	*0.200*	0.200	2.94	*0.99*	0.99	08/29/19	KCA	1
Ethylbenzene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/29/19	KCA	1
m,p-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/29/19	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	08/29/19	KCA	1
o-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/29/19	KCA	1
Tetrachloroethene	ND	*0.100*	0.100	ND	*0.68*	0.68	08/29/19	KCA	1
Toluene	ND	*0.200*	0.200	ND	*0.75*	0.75	08/29/19	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	08/29/19	KCA	1
Trichlorofluoromethane	0.417	*0.150*	0.150	2.34	*0.84*	0.84	08/29/19	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	08/29/19	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	08/29/19	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	99	*%*	%	99	*%*	%	08/29/19	KCA	1
% IS-1,4-Difluorobenzene	113	*%*	%	113	*%*	%	08/29/19	KCA	1
% IS-Bromochloromethane	112	*%*	%	112	*%*	%	08/29/19	KCA	1

Ver 1

Project ID: PARK0118.33
Client ID: AMBIENT AIR

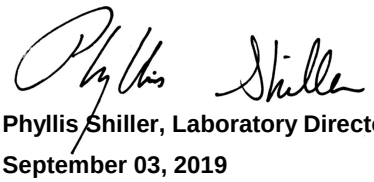
Phoenix I.D.: CD93130

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	109	%	%	109	%	%	08/29/19	KCA	1

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
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:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

September 03, 2019

Reviewed and Released by: Rashmi Makol, Project Manager

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

September 03, 2019

FOR: Attn: Greta White
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	LG	08/26/19	12:25
Location Code:	WALDENE	Received by:	SW	08/27/19	15:16
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	23327				

Laboratory Data

SDG ID: GCD93124
Phoenix ID: CD93131

Project ID: PARK0118.33
Client ID: FIELD BLANK

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	*0.200*	0.200	ND	*1.09*	1.09	08/30/19	KCA	1
1,1-Dichloroethene	ND	*0.100*	0.100	ND	*0.40*	0.40	08/30/19	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	08/30/19	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/30/19	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/30/19	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/30/19	KCA	1
Acetone	2.50	*1.00*	1.00	5.93	*2.37*	2.37	08/30/19	KCA	1
Benzene	0.127	*0.050*	0.050	0.41	*0.16*	0.16	08/30/19	KCA	1
Carbon Tetrachloride	ND	*0.020*	0.020	ND	*0.13*	0.13	08/30/19	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	08/30/19	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	0.200	ND	*0.79*	0.79	08/30/19	KCA	1
Dichlorodifluoromethane	ND	*0.200*	0.200	ND	*0.99*	0.99	08/30/19	KCA	1
Ethylbenzene	0.544	*0.150*	0.150	2.36	*0.65*	0.65	08/30/19	KCA	1
m,p-Xylene	1.91	*0.150*	0.150	8.29	*0.65*	0.65	08/30/19	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	08/30/19	KCA	1
o-Xylene	0.881	*0.150*	0.150	3.82	*0.65*	0.65	08/30/19	KCA	1
Tetrachloroethene	ND	*0.100*	0.100	ND	*0.68*	0.68	08/30/19	KCA	1
Toluene	0.994	*0.200*	0.200	3.74	*0.75*	0.75	08/30/19	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	08/30/19	KCA	1
Trichlorofluoromethane	ND	*0.150*	0.150	ND	*0.84*	0.84	08/30/19	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	08/30/19	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	08/30/19	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	94	*%*	%	94	*%*	%	08/30/19	KCA	1
% IS-1,4-Difluorobenzene	110	*%*	%	110	*%*	%	08/30/19	KCA	1
% IS-Bromochloromethane	112	*%*	%	112	*%*	%	08/30/19	KCA	1

Ver 1

Project ID: PARK0118.33
Client ID: FIELD BLANK

Phoenix I.D.: CD93131

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	108	%	%	108	%	%	08/30/19	KCA	1

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
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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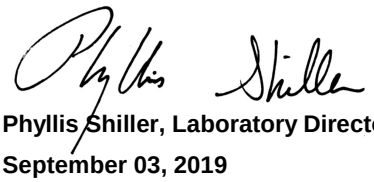

Phyllis Shiller, Laboratory Director

September 03, 2019

Reviewed and Released by: Rashmi Makol, Project Manager

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

September 03, 2019

FOR: Attn: Greta White
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	LG	08/26/19	18:14
Location Code:	WALDENE	Received by:	SW	08/27/19	15:16
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	19916				

Laboratory Data

SDG ID: GCD93124
Phoenix ID: CD93132

Project ID: PARK0118.33
Client ID: IA-5

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	*0.200*	0.200	ND	*1.09*	1.09	08/30/19	KCA	1
1,1-Dichloroethene	ND	*0.100*	0.100	ND	*0.40*	0.40	08/30/19	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	08/30/19	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/30/19	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/30/19	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/30/19	KCA	1
Acetone	9.86	*1.00*	1.00	23.4	*2.37*	2.37	08/30/19	KCA	1
Benzene	0.120	*0.050*	0.050	0.38	*0.16*	0.16	08/30/19	KCA	1
Carbon Tetrachloride	0.079	*0.020*	0.020	0.50	*0.13*	0.13	08/30/19	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	08/30/19	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	0.200	ND	*0.79*	0.79	08/30/19	KCA	1
Dichlorodifluoromethane	0.270	*0.200*	0.200	1.33	*0.99*	0.99	08/30/19	KCA	1
Ethylbenzene	0.477	*0.150*	0.150	2.07	*0.65*	0.65	08/30/19	KCA	1
m,p-Xylene	2.18	*0.150*	0.150	9.46	*0.65*	0.65	08/30/19	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	08/30/19	KCA	1
o-Xylene	1.64	*0.150*	0.150	7.12	*0.65*	0.65	08/30/19	KCA	1
Tetrachloroethene	0.554	*0.100*	0.100	3.76	*0.68*	0.68	08/30/19	KCA	1
Toluene	ND	*0.200*	0.200	ND	*0.75*	0.75	08/30/19	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	08/30/19	KCA	1
Trichlorofluoromethane	0.436	*0.150*	0.150	2.45	*0.84*	0.84	08/30/19	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	08/30/19	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	08/30/19	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	98	*%*	%	98	*%*	%	08/30/19	KCA	1
% IS-1,4-Difluorobenzene	99	*%*	%	99	*%*	%	08/30/19	KCA	1
% IS-Bromochloromethane	92	*%*	%	92	*%*	%	08/30/19	KCA	1

Project ID: PARK0118.33
Client ID: IA-5

Phoenix I.D.: CD93132

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	102	%	%	102	%	%	08/30/19	KCA	1

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
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:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
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Phyllis Shiller, Laboratory Director
September 03, 2019
Reviewed and Released by: Rashmi Makol, Project Manager

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

September 03, 2019

FOR: Attn: Greta White
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	LG	08/26/19	18:04
Location Code:	WALDENE	Received by:	SW	08/27/19	15:16
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	28567				

Laboratory Data

SDG ID: GCD93124
Phoenix ID: CD93133

Project ID: PARK0118.33
Client ID: IA-9

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	*0.200*	0.200	ND	*1.09*	1.09	08/30/19	KCA	1
1,1-Dichloroethene	ND	*0.100*	0.100	ND	*0.40*	0.40	08/30/19	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	08/30/19	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/30/19	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/30/19	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/30/19	KCA	1
Acetone	5.62	*1.00*	1.00	13.3	*2.37*	2.37	08/30/19	KCA	1
Benzene	0.106	*0.050*	0.050	0.34	*0.16*	0.16	08/30/19	KCA	1
Carbon Tetrachloride	0.080	*0.020*	0.020	0.50	*0.13*	0.13	08/30/19	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	08/30/19	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	0.200	ND	*0.79*	0.79	08/30/19	KCA	1
Dichlorodifluoromethane	0.407	*0.200*	0.200	2.01	*0.99*	0.99	08/30/19	KCA	1
Ethylbenzene	0.306	*0.150*	0.150	1.33	*0.65*	0.65	08/30/19	KCA	1
m,p-Xylene	1.29	*0.150*	0.150	5.60	*0.65*	0.65	08/30/19	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	08/30/19	KCA	1
o-Xylene	0.905	*0.150*	0.150	3.93	*0.65*	0.65	08/30/19	KCA	1
Tetrachloroethene	0.197	*0.100*	0.100	1.34	*0.68*	0.68	08/30/19	KCA	1
Toluene	0.219	*0.200*	0.200	0.82	*0.75*	0.75	08/30/19	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	08/30/19	KCA	1
Trichlorofluoromethane	0.388	*0.150*	0.150	2.18	*0.84*	0.84	08/30/19	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	08/30/19	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	08/30/19	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	96	*%*	%	96	*%*	%	08/30/19	KCA	1
% IS-1,4-Difluorobenzene	107	*%*	%	107	*%*	%	08/30/19	KCA	1
% IS-Bromochloromethane	100	*%*	%	100	*%*	%	08/30/19	KCA	1

Ver 1

Project ID: PARK0118.33
Client ID: IA-9

Phoenix I.D.: CD93133

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	108	%	%	108	%	%	08/30/19	KCA	1

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
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:

The canister was received under no vacuum, therefore sample results may not be representative.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

September 03, 2019

Reviewed and Released by: Rashmi Makol, Project Manager

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

September 03, 2019

FOR: Attn: Greta White
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	LG	08/26/19	18:09
Location Code:	WALDENE	Received by:	SW	08/27/19	15:16
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	11288				

Laboratory Data

SDG ID: GCD93124
Phoenix ID: CD93134

Project ID: PARK0118.33
Client ID: IA-7

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	*0.200*	0.200	ND	*1.09*	1.09	08/30/19	KCA	1
1,1-Dichloroethene	ND	*0.100*	0.100	ND	*0.40*	0.40	08/30/19	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	08/30/19	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/30/19	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/30/19	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/30/19	KCA	1
Acetone	6.53	*1.00*	1.00	15.5	*2.37*	2.37	08/30/19	KCA	1
Benzene	0.161	*0.050*	0.050	0.51	*0.16*	0.16	08/30/19	KCA	1
Carbon Tetrachloride	0.080	*0.020*	0.020	0.50	*0.13*	0.13	08/30/19	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	08/30/19	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	0.200	ND	*0.79*	0.79	08/30/19	KCA	1
Dichlorodifluoromethane	0.387	*0.200*	0.200	1.91	*0.99*	0.99	08/30/19	KCA	1
Ethylbenzene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/30/19	KCA	1
m,p-Xylene	0.485	*0.150*	0.150	2.10	*0.65*	0.65	08/30/19	KCA	1
Methylene Chloride	0.861	*0.400*	0.400	2.99	*1.39*	1.39	08/30/19	KCA	1
o-Xylene	0.317	*0.150*	0.150	1.38	*0.65*	0.65	08/30/19	KCA	1
Tetrachloroethene	0.511	*0.100*	0.100	3.46	*0.68*	0.68	08/30/19	KCA	1
Toluene	ND	*0.200*	0.200	ND	*0.75*	0.75	08/30/19	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	08/30/19	KCA	1
Trichlorofluoromethane	0.465	*0.150*	0.150	2.61	*0.84*	0.84	08/30/19	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	08/30/19	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	08/30/19	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	99	*%*	%	99	*%*	%	08/30/19	KCA	1
% IS-1,4-Difluorobenzene	105	*%*	%	105	*%*	%	08/30/19	KCA	1
% IS-Bromochloromethane	99	*%*	%	99	*%*	%	08/30/19	KCA	1

Ver 1

Project ID: PARK0118.33
Client ID: IA-7

Phoenix I.D.: CD93134

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	107	%	%	107	%	%	08/30/19	KCA	1

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
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
September 03, 2019
Reviewed and Released by: Rashmi Makol, Project Manager

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

September 03, 2019

FOR: Attn: Greta White
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	LG	08/26/19	18:41
Location Code:	WALDENE	Received by:	SW	08/27/19	15:16
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	13645				

Laboratory Data

SDG ID: GCD93124
Phoenix ID: CD93135

Project ID: PARK0118.33
Client ID: IA-8

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	*0.200*	0.200	ND	*1.09*	1.09	08/30/19	KCA	1
1,1-Dichloroethene	ND	*0.100*	0.100	ND	*0.40*	0.40	08/30/19	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	08/30/19	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/30/19	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/30/19	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/30/19	KCA	1
Acetone	7.13	*1.00*	1.00	16.9	*2.37*	2.37	08/30/19	KCA	1
Benzene	0.108	*0.050*	0.050	0.34	*0.16*	0.16	08/30/19	KCA	1
Carbon Tetrachloride	0.087	*0.020*	0.020	0.55	*0.13*	0.13	08/30/19	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	08/30/19	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	0.200	ND	*0.79*	0.79	08/30/19	KCA	1
Dichlorodifluoromethane	0.253	*0.200*	0.200	1.25	*0.99*	0.99	08/30/19	KCA	1
Ethylbenzene	0.257	*0.150*	0.150	1.12	*0.65*	0.65	08/30/19	KCA	1
m,p-Xylene	1.12	*0.150*	0.150	4.86	*0.65*	0.65	08/30/19	KCA	1
Methylene Chloride	1.27	*0.400*	0.400	4.41	*1.39*	1.39	08/30/19	KCA	1
o-Xylene	0.781	*0.150*	0.150	3.39	*0.65*	0.65	08/30/19	KCA	1
Tetrachloroethene	0.381	*0.100*	0.100	2.58	*0.68*	0.68	08/30/19	KCA	1
Toluene	0.242	*0.200*	0.200	0.91	*0.75*	0.75	08/30/19	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	08/30/19	KCA	1
Trichlorofluoromethane	0.419	*0.150*	0.150	2.35	*0.84*	0.84	08/30/19	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	08/30/19	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	08/30/19	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	96	*%*	%	96	*%*	%	08/30/19	KCA	1
% IS-1,4-Difluorobenzene	104	*%*	%	104	*%*	%	08/30/19	KCA	1
% IS-Bromochloromethane	96	*%*	%	96	*%*	%	08/30/19	KCA	1

Ver 1

Project ID: PARK0118.33
Client ID: IA-8

Phoenix I.D.: CD93135

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	109	%	%	109	%	%	08/30/19	KCA	1

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
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

September 03, 2019

Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 03, 2019

FOR: Attn: Greta White
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	LG	08/26/19	18:19
Location Code:	WALDENE	Received by:	SW	08/27/19	15:16
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	486				

Laboratory Data

SDG ID: GCD93124
Phoenix ID: CD93136

Project ID: PARK0118.33
Client ID: DUPLICATE

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	*0.200*	0.200	ND	*1.09*	1.09	08/30/19	KCA	1
1,1-Dichloroethene	ND	*0.100*	0.100	ND	*0.40*	0.40	08/30/19	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	08/30/19	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/30/19	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/30/19	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/30/19	KCA	1
Acetone	14.4	*1.00*	1.00	34.2	*2.37*	2.37	08/30/19	KCA	1
Benzene	0.105	*0.050*	0.050	0.34	*0.16*	0.16	08/30/19	KCA	1
Carbon Tetrachloride	0.085	*0.020*	0.020	0.53	*0.13*	0.13	08/30/19	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	08/30/19	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	0.200	ND	*0.79*	0.79	08/30/19	KCA	1
Dichlorodifluoromethane	0.484	*0.200*	0.200	2.39	*0.99*	0.99	08/30/19	KCA	1
Ethylbenzene	0.719	*0.150*	0.150	3.12	*0.65*	0.65	08/30/19	KCA	1
m,p-Xylene	3.28	*0.150*	0.150	14.2	*0.65*	0.65	08/30/19	KCA	1
Methylene Chloride	8.02	*0.400*	0.400	27.8	*1.39*	1.39	08/30/19	KCA	1
o-Xylene	2.46	*0.150*	0.150	10.7	*0.65*	0.65	08/30/19	KCA	1
Tetrachloroethene	0.389	*0.100*	0.100	2.64	*0.68*	0.68	08/30/19	KCA	1
Toluene	0.398	*0.200*	0.200	1.50	*0.75*	0.75	08/30/19	KCA	1
Trichloroethene	0.060	*0.037*	0.037	0.32	*0.20*	0.20	08/30/19	KCA	1
Trichlorofluoromethane	0.422	*0.150*	0.150	2.37	*0.84*	0.84	08/30/19	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	08/30/19	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	08/30/19	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	93	*%*	%	93	*%*	%	08/30/19	KCA	1
% IS-1,4-Difluorobenzene	101	*%*	%	101	*%*	%	08/30/19	KCA	1
% IS-Bromochloromethane	92	*%*	%	92	*%*	%	08/30/19	KCA	1

Ver 1

Project ID: PARK0118.33
Client ID: DUPLICATE

Phoenix I.D.: CD93136

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	105	%	%	105	%	%	08/30/19	KCA	1

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
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
September 03, 2019
Reviewed and Released by: Rashmi Makol, Project Manager

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

September 03, 2019

FOR: Attn: Greta White
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	LG	08/26/19	18:23
Location Code:	WALDENE	Received by:	SW	08/27/19	15:16
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	28555				

Laboratory Data

SDG ID: GCD93124
Phoenix ID: CD93137

Project ID: PARK0118.33
Client ID: IA-10

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	*0.200*	0.200	ND	*1.09*	1.09	08/30/19	KCA	1
1,1-Dichloroethene	ND	*0.100*	0.100	ND	*0.40*	0.40	08/30/19	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	08/30/19	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/30/19	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/30/19	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/30/19	KCA	1
Acetone	7.61	*1.00*	1.00	18.1	*2.37*	2.37	08/30/19	KCA	1
Benzene	0.120	*0.050*	0.050	0.38	*0.16*	0.16	08/30/19	KCA	1
Carbon Tetrachloride	0.080	*0.020*	0.020	0.50	*0.13*	0.13	08/30/19	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	08/30/19	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	0.200	ND	*0.79*	0.79	08/30/19	KCA	1
Dichlorodifluoromethane	0.341	*0.200*	0.200	1.69	*0.99*	0.99	08/30/19	KCA	1
Ethylbenzene	0.517	*0.150*	0.150	2.24	*0.65*	0.65	08/30/19	KCA	1
m,p-Xylene	2.42	*0.150*	0.150	10.5	*0.65*	0.65	08/30/19	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	08/30/19	KCA	1
o-Xylene	1.80	*0.150*	0.150	7.81	*0.65*	0.65	08/30/19	KCA	1
Tetrachloroethene	0.264	*0.100*	0.100	1.79	*0.68*	0.68	08/30/19	KCA	1
Toluene	ND	*0.200*	0.200	ND	*0.75*	0.75	08/30/19	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	08/30/19	KCA	1
Trichlorofluoromethane	0.340	*0.150*	0.150	1.91	*0.84*	0.84	08/30/19	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	08/30/19	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	08/30/19	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	94	*%*	%	94	*%*	%	08/30/19	KCA	1
% IS-1,4-Difluorobenzene	104	*%*	%	104	*%*	%	08/30/19	KCA	1
% IS-Bromochloromethane	96	*%*	%	96	*%*	%	08/30/19	KCA	1

Ver 1

Project ID: PARK0118.33
Client ID: IA-10

Phoenix I.D.: CD93137

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	108	%	%	108	%	%	08/30/19	KCA	1

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September 03, 2019
Reviewed and Released by: Rashmi Makol, Project Manager

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

Canister Sampling Information

September 03, 2019

FOR: Attn: Greta White
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Location Code: WALDENE

SDG I.D.: GCD93124

Project ID: PARK0118.33

						Laboratory					Field			
Client Id	Lab Id	Canister Id	Canister Type	Reg. Id	Chk Out Date	Out Hg	In Hg	Out Flow	In Flow	Flow RPD	Start Hg	End Hg	Sampling Start Date	Sampling End Date
IA-3	CD93124	471	6.0L	5393	08/01/19	-30	-3	10.8	10.8	0.0	-30	-3.5	08/26/19 9:48	08/26/19 17:54
IA-1	CD93125	21365	6.0L	4988	08/01/19	-30	-4	10.8	11.1	2.7	-30	-5.5	08/26/19 9:50	08/26/19 17:51
IA-11	CD93126	28608	6.0L	7044	08/01/19	-30	-2	10.8	11	1.8	-30	-4	08/26/19 9:58	08/26/19 18:06
IA-2	CD93127	19931	6.0L	7019	08/01/19	-30	-4	10.8	10.9	0.9	-30	-4	08/26/19 9:43	08/26/19 17:48
IA-6	CD93128	21357	6.0L	3413	08/01/19	-30	-5	10.8	10.8	0.0	-30	-6	08/26/19 10:17	08/26/19 18:17
IA-4	CD93129	12859	6.0L	4963	08/01/19	-30	-4	10.8	11.4	5.4	-29.5	-5	08/26/19 9:53	08/26/19 17:58
AMBIENT AIR	CD93130	221	6.0L	4982	08/01/19	-30	-6	10.8	10.7	0.9	-30	-6.5	08/26/19 9:36	08/26/19 17:36
FIELD BLANK	CD93131	23327	6.0L	3500	08/01/19	-30	-5	10.8	10.7	0.9	-28.5	-4.5	08/26/19 10:26	08/26/19 12:25
IA-5	CD93132	19916	6.0L	4492	08/01/19	-30	-4	10.8	10.9	0.9	-29	-5.5	08/26/19 10:05	08/26/19 18:14
IA-9	CD93133	28567	6.0L	3504	08/01/19	-30	0	10.8	10.8	0.0	-30	-3	08/26/19 9:57	08/26/19 18:04
IA-7	CD93134	11288	6.0L	5615	08/01/19	-30	-2	10.8	11.2	3.6	-30	-3	08/26/19 10:02	08/26/19 18:09
IA-8	CD93135	13645	6.0L	5673	08/01/19	-30	-5	10.8	10.9	0.9	-30	-5	08/26/19 10:41	08/26/19 18:41
DUPLICATE	CD93136	486	6.0L	4954	08/01/19	-30	-5	10.8	11	1.8	-30	-6.5	08/26/19 10:15	08/26/19 18:19
IA-10	CD93137	28555	6.0L	3512	08/01/19	-30	-3	10.8	11.2	3.6	-30	-4	08/26/19 10:12	08/26/19 18:23

Tuesday, September 03, 2019

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCD93124 - WALDENE

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

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823

CHAIN OF CUSTODY RECORD
AIR ANALYSES
800-827-5426
email: greg@phoenixlabs.com

P.O. # _____ Page 1 of 2

Data Delivery:
☐ Fax #: _____
☒ Email: NBREW@WALDEN-ASSOCIATES.com
☒ Phone #: 516 624 7200

Report to: Greta White	Invoice to: Nora Brew, PE	Project Name: iPARK0118.33
Customer: Walden Assoc	Walden HQ: 16 Spring Street	Requested Deliverable: RCP ☐ ASP CAT B ☒
Address: 200 North Drive (iPARK)	Oyster Bay, NY 11771	MCP ☐ NJ Deliverables ☐
Hopewell Junction, NY	Sampled by: Louis Goldstein	State where samples collected: NY

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
		THIS SECTION FOR LAB USE ONLY											MATRIX			ANALYSES	
	~~UNUSED~~	23344	6.0	30		5395	108										
93124	IA-3	471			-3	5393		0948	1754	8/26/19	-30	-3.5	X		G		X
93125	IA-1	21365			-4	4988		0950	1751	8/26/19	-30	-5.5	X		G		X
93126	IA-11	28608			-2	7044		0958	1806	8/26/19	-30	-4	X		G		X
93127	IA-2	19931			-4	7019		0943	1748	8/26/19	-30	-4	X		G		X
93128	IA-6	21357			-5	3413		1017	1817	8/26/19	-30	-6	X		G		X
93129	IA-4	12859			-4	4963		0953	1758	8/26/19	-29.5	-5	X		G		X
93130	AMBIENT AIR	221			-6	4982		0936	1736	8/26/19	-30	-6.5	X		G		X
93131	FIELD BLANK	23327	↓	↓	-5	3500	↓	1026	1225	8/26/19	-28.5	-4.5	X		G		X
93132	IA-5	19916	↓	↓	-4	4992	↓	1005	1814	8/26/19	-29	-5.5	X		G		X

Relinquished by:	Accepted by:	Date:	Time:
		8.27.19	12:07
	Kaylin Rinaldi	82719	1516

Data Format: Excel ☒ Equis ☐ Other ☒ (pdf)

Turnaround Time:
☒ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ Standard

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:
TO15 "special code/list" needed.
See Bobbi or Greg.
Modified TO-15 analysis
per project QAPP provided.
10 6L 8hr
Ind cert. Cans
Ind cert. Regs

Requested Criteria

Quote Number: _____

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: _____

PHOENIX
Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 - Fax 860.645.0823

CHAIN OF CUSTODY RECORD
AIR ANALYSES

800-827-5426
email: greg@phoenixlabs.com

P.O. # | Page 2 of 2

Data Delivery:
☐ Fax #:
☒ Email: NBREW@WALDEN-ASSOCIATES.com
☒ Phone #: 516 624 7200

Report to: Greta White	Invoice to: Noca Brew, PE	Project Name: IPARK0118.33
Customer: Walden Assoc	Walden HQ: 16 Spring Street	Requested Deliverable: RCP ☐ ASP CAT B ☒
Address: 200 North Dove (iPARK)	Oyster Bay, NY 11771	MCP ☐ NJ Deliverables ☐
Hopewell Junction, NY	Sampled by: Louis Goldstein	State where samples collected: NY

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
	THIS SECTION FOR LAB USE ONLY												MATRIX			ANALYSES	
93133	IA-9	28567	6.0	-30	-2	3504	10.8	0957	1804	8/26/19	-30	-3	X		G		X
93134	IA-7	11288	↓	↓	-2	5615	↓	1002	1809	8/26/19	-30	-3	X		G		X
93135	IA-8	13645	↓	↓	-5	5673	↓	1041	1841	8/26/19	-30	-5	X		G		X
93136	DUPLICATE	486	↓	↓	-5	4954	↓	1015	1819	8/26/19	-30	-6.5	X		G		X
93137	IA-10	28555	↓	↓	-3	3512	↓	1012	1823	8/26/19	-30	-4	X		G		X

Relinquished by:	Accepted by:	Date:	Time:
		8.27.19	12:08
		82719	1516

Data Format:
Excel ☒ Equis ☐ Other ☒ (pdf)

Turnaround Time:
☒ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ Standard

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:
TO15 "special code list" needed.
See Bobbi or Greg.
Modified TO-15 analysis
per project QAPP Provided.
56L 8hrs
Ind. certificate
Ind. cert. Regs

Requested Criteria

Quote Number:

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:

Building 330D Crepini
Indoor Air Quality Sampling
Data Usability Summary Report

at

iPark 84
Former IBM East Fishkill Facility

November 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

Data Usability Summary Report

Indoor Air Quality Investigation
iPark 84, Former IBM East Fishkill Facility
Building 700 (formerly Building 330D) – Crepini

This Data Usability Summary Report (DUSR) has been prepared to validate the results of air sampling conducted in Building 700 (formerly Building 330D) at the above-referenced facility. This sampling was conducted on August 26, 2019 in support of a pre-occupancy evaluation. Walden performed the sampling in accordance with the indoor air quality testing plan (dated August 12, 2019) and the conditional approval letter (dated August 23, 2019) received from the New York State Department of Environmental Conservation (NYSDEC) following NYSDEC and New York State Department of Health (NYSDOH) review of the Work Plan. A summary of the Crepini air sampling results was submitted to NYSDEC and NYSDOH in a report dated September 16, 2019. NYSDEC approved occupancy of the Crepini space in a letter dated September 27, 2019.

This DUSR has been prepared in accordance with NYSDEC Draft DER-10 Appendix 2B – Guidance for Data Deliverables and the Development of Data Usability Summary Reports. The DUSR provides a thorough evaluation of analytical data without using the services of an independent third-party data validator. The primary objective of the DUSR is to determine whether or not the data presented meets project specific criteria for data quality and use.

The analytical data was evaluated by Mr. Lawrence Zeman (Walden), whose experience and qualifications to prepare the DUSR for this project are presented in the attached resume (see Attachment A). The air samples collected for laboratory analysis were submitted to Phoenix Environmental Laboratories, Inc. (Phoenix) of Manchester, NH, a NYSDOH Environmental Laboratory Approval Program (ELAP) certified laboratory (NY Lab Registration #11301), and analyzed for volatile organic compounds (VOCs) via U.S. Environmental Protection Agency (USEPA) Modified Method TO-15 with the analytical detection limits set forth in the NYSDEC approved indoor air quality testing plan approved on August 23, 2019. The DUSR process consisted of evaluating the analytical data package produced by Phoenix and answering the following questions.

1. **Were there any deviations in the sampling protocol which deviated from established sampling procedures?**

   The air samples were collected in laboratory provided individually certified, 6-liter Summa® canisters equipped with individually certified flow regulators. The regulators were calibrated by the laboratory for a sampling period of 8 hours; this sampling duration was chosen in

accordance with NYSDOH guidance for indoor air sampling of a commercial workspace with a single shift, to reflect the typical exposure scenario. The regulators served to maintain flow rates below the required maximum rate of 0.2 liters (200 milliliters) per minute during the sampling period to minimize outdoor air infiltration.

2. **Is the data package complete as defined under the requirements for the NYSDEC ASP Category B or USEPA CLP deliverables?**

   The sampling and analytical program outlined in *Building 700 Indoor Air Quality Testing Plan* was designed to conform to the NYSDEC ASP Category B and USEPA CLP deliverables criteria. Both field sampling and laboratory analytical activities were performed with built-in QA/QC programs. Duplicate samples were collected at a minimum of one (1) sample per ten (10) samples collected. The analytical laboratory (Phoenix) included method blanks and batch QA/QC samples as part of their standard QA/QC program. Additionally, the samples were handled in compliance with the holding time allowances.

3. **Have all holding times been met?**

   Times of sample receipt, extraction, and analysis have been evaluated to determine whether the holding time specifications have been met. All of the samples were analyzed within the specified holding times.

4. **Do all QC data (blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls, and sample data) fall within the protocol-required limits and specifications?**

   All of the primary sample and QC data were reviewed. Duplicate sample analysis demonstrated a reasonable level of accuracy in the analytical results, and all of the QA/QC data met the protocol-required criteria with the exception as noted below.

   - 1,2,4 Trichlorobenzene did not meet the maximum percent deviation criteria for the continuing calibration sample.

   In summary, although one continuing calibration sample analyte did not meet the acceptance criteria, all other QA/QC acceptance criteria was meet and the reliability of the laboratory results should not be affected.

5. **Have all the data been generated using established and agreed upon analytical protocols?**

Laboratory analytical protocols have been developed by the USEPA and are published in USEPA Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air: Method TO-15 (Second Edition, January 1999). The review of the laboratory deliverables indicated that the analytical data for this project was generated following these standard protocols.

6. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

An evaluation of the raw data confirmed the accuracy of the results provided in the data summary sheets and the quality control verification forms included in the analytical data package prepared by the laboratory.

7. Have the correct data qualifiers been used?

The laboratory provided a list of qualifiers used in their data reporting. QC failures such as potential sample contamination by laboratory solvents or estimation of sample result values due to analyte concentrations detected above calibration ranges were checked back to the reported data to determine whether the qualifiers were properly used. The evaluation indicated that the laboratory flagged the data using the correct data qualifiers when necessary. The data qualifiers comply with the NYSDEC Analytical Services Protocol (ASP) 95 revised guidelines.

8. Have the minimum reporting limits been met?

The minimum reporting limits specified in the NYSDEC approved "*Indoor Air Quality Testing Plan"* are as follows:

ANALYTE LIST	MINIMUM REPORTING LIMIT (ug/m^3)
1,1,1-Trichloroethane	1.1
1,1-Dichloroethene	0.8
1,2,4-Trichlorobenzene	7.4
1,2-Dichlorobenzene	1.2
1,3-Dichlorobenzene	1.2
1,4-Dichlorobenzene	1.2
Acetone	2.4
Benzene	0.64
Carbon Tetrachloride	0.2
Chlorobenzene	0.92
Cis-1,2-Dichloroethene	0.8
Dichlorodifluoromethane	1.0

Ethylbenzene	0.86
m,p-Xylene	0.86
Methylene Chloride	1.4
o-Xylene	0.86
Tetrachloroethene	1.4
Toluene	0.77
Trichloroethene	0.22
Trichlorofluoromethane	1.1
Trichlorotrifluoroethane	1.5
Vinyl Chloride	0.06

All reportable VOCs meet the minimum required reporting limits for all samples collected at Building 700 on August 26, 2019.

Summary

In summary, the analytical data package review conducted when preparing this DUSR found no data deficiencies, analytical protocol deviations, or quality control problems that impact the quality of the data. No significant QC exceedances were identified and it was determined that none of the data should be rejected.

Prepared by:

Lawrence Zeman

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Attachment A

Resume of Environmental Professional

Lawrence F. Zeman

Project Scientist II

Lawrence has 20 years of environmental and lab consulting experience, taking on difficult laboratory issues and QA/QC. He is very well versed in areas as diverse as regulatory compliance, test protocol development and implementation, management of instrument repair and maintenance, field inspections and on-site audits, correlation studies of various analyses and engineering/technical reporting.

EDUCATION

B.A. Biology, Minor in Chemistry Queens College

LICENSES/ CERTIFICATIONS

New York State ELAP Laboratory Director

New York State ELAP Laboratory Microbiology Assistant Director

New York Department of Health Laboratory Technologist

OSHA HAZWOPER 40-hour & OSHA 10-hour Certified

SELECTED RELEVANT EXPERIENCE

Various Clients, New York

- Performed sample collection of various sample types at industrial facilities and construction & remediation project sites;
  Conducted soil sample collection, field activities oversight and continuous air monitoring for Community Air Monitoring Program (CAMP) in accordance with DER-10 as follows:
  - Elmhurst Tank Park & Playground, Queens, NY (2009 – 2011);
  - Calvert Vaux Park and Athletic Fields, Brooklyn, NY (2009 – 2011), as an Independent Environmental Monitor (IEM) on-site technician;
  - Harlem Rive Greenway, Bronx, NY (2011 – 2012);
  - Beach Channel H.S. Athletic Fields (2016);
  - P.S. 63M William McKinley School, Manhattan, NY (2016);
  - P.S. 131 Abigail Adams Public School, Queens, NY (2017);
  - Forest Hills High School, Queens, NY (2017)
- Developed and implemented new testing protocols and test procedures;
- Conducted instrumentation repair and scheduled maintenance;
- Conducted correlation studies of various analytic procedures;
- Verified laboratory Quality Assurance and Quality Control procedures and data;
- Responsible for regulatory compliance and quality control;
- Prepared and submitted facilities' annual Zoning Performance Standards Compliance Reports, including noise, vibration, odor and opacity testing for DSNY permit renewal;
- Provided environmental services to ensure compliance for facility's NYS DEC Title V Air Facility Permit. Completed monthly, semi-annual and annual compliance reports;
- Conducted field Inspections and on-site audits;
- Preformed field measurements and recording of Noise and Vibration;
- Prepared Engineering & Technical Reports;
- Prepared New York City Community Right-To-Know Law and SARA reports for Industrial facilities