Buildings 310 (220) and 320A (210) Warehouse Storage Space Indoor Air Quality Testing Summary Report

at

iPark 84
Former IBM East Fishkill Facility

August 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

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

August 26, 2020
iPARK0118.28

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
Buildings 310 (220) and 320A (210)
OGS Warehouse Space 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 24, 2020 within the warehouse space in Buildings 310 (220) and 320A (210) at the iPark East Fishkill (iPark) facility to be occupied by the New York State Office of General Services (OGS). The New York State Governor's Office directed iPark to provide storage space at the facility for OGS use in storing PPE under COVID Executive Order 202. In response, iPark is providing 305,000 square feet of space in Building 310 (220) and 58,000 square feet of space in Building 320A (210) for warehouse use only. Refer to **Figure 1** for the site location map.

Walden, at the request of iPark, performed the August 24th IAQ testing in accordance with the procedures detailed in the *RCRA Facility Investigation (RFI) VOC Source Assessment Work Plan* (RFI Work Plan) dated June 15, 2009, prepared by Sanborn, Head Engineering, PC and other State-approved sampling plans prepared by Walden for recent IAQ testing in other tenant spaces at iPark. Note that the only deviation from the NYSDEC-approved methods was the use of some batch certified Summa® canisters (rather than individually certified canisters and regulators as called for by the State-approved plans).

The purpose of the indoor air sampling is to verify that indoor air quality is acceptable for the OGS warehouse use. Background information on the warehouse space in Buildings 310 (220) and 320A (210) is presented below, followed by a discussion of the IAQ sampling and results.

Background Information

Building 310

Building 310 (220) has continuously been used for storage/warehouse space since iPark took ownership at the facility; therefore, the OGS warehouse use of this space is consistent with the existing use. No interior improvements or demising walls were required to ready the space for the State. Floors were sealed and open floor drains were filled. In addition, iPark has set up multiple fans for air movement in the warehouse space to draw air into the building. No personnel will occupy the warehouse; the space will be used for storage only and personnel will only be in the warehouse space for receiving and delivery purposes. The items stored in the Building 310 (220) warehouse space will be safely packaged (boxed and wrapped in plastic) to ensure the quality of the stored items, including PPE. Therefore, no impacts to public health or safety would be associated with the storage of packaged goods in these spaces.

Phased Move-In

Figure 2 shows the warehouse space to be used by OGS and the plan to occupy the space in three (3) phases. The first 92,000 sf to be occupied are located in the western portion of the building (Phase #1 area), to be followed by 86,000 sf north of the Model Shop (Phase #2 area), and then 126,000 sf in the northeastern portion of the building (Phase #3 area).

- Phase 1 - IBM has conducted a number of sub-slab vapor and indoor air quality evaluations in Building 310 (220). Pilot testing conducted by IBM/Sanborn Head in the northwest portion of the building (in the area of the Phase #1 warehouse space) in late 2019 indicated the presence of tight fill beneath the slab.
- Phases 2 & 3 - A sub-slab depressurization (SSD) system has been operating in the central portion of this building since 2012 and an additional SSD system was recently installed in the Model Shop area. Based on information presented in the most recent Sanborn Head report (*Subslab Depressurization Pilot Testing Summary Report Northwest Area of Building 310* dated March 2020), these SSD systems effectively depressurize the slab in the warehouse area to be occupied during Phase #2, and portions of the slab beneath the Phase #3 space. Please note that

the former open floor drains located in the Phase #3 space were sealed approximately one month ago.

Building 320A (210)

The warehouse space in this building was contemplated for a planned manufacturing tenant, as detailed in the 60-day notification submitted to NYSDEC on November 26, 2019. iPark vacated this space in anticipation of readying the space for the tenant, who later backed out. A revised 60-day notification describing the OGS warehouse use has been submitted to NYSDEC under separate cover.

OGS plans to occupy the Building 320A (210) warehouse space after its phased move-in to the Building 310 (220) warehouse space is completed. Similar to Building 310 (220), no interior improvements or demising walls are required and no personnel will occupy the warehouse space. In addition, no impacts to public health or safety would be associated with the storage of packaged goods in these spaces.

Summary of HVAC Conditions and Building Inventory

The OGS spaces in Buildings 310 (220) and 320A (210) are served by the existing building HVAC systems. iPark and OGS are evaluating potential HVAC upgrades to provide temperature and/or humidification control in the warehouse spaces. The HVAC system was operating during the IAQ sampling and multiple fans were being used to draw air into the warehouse spaces and promote air circulation.

With the exception of incidental cleaning and sanitizing agents, chemicals are not stored within the OGS warehouse space. During the August 24th sampling, several crews were working on lighting and fire sprinkler modifications in certain areas of Building 310 (220). A copy of the Indoor Air Quality Questionnaire and Building Inventory completed during the IAQ sampling event is presented in **Appendix A**.

Summary of IAQ Testing

iPark requested that Walden perform the IAQ sampling with a quick turnaround to verify acceptable indoor air quality in the warehouse space. IAQ testing was conducted in accordance with the procedures outlined in the NYSDEC-approved RFI Work Plan and other IAQ testing plans. While Walden had several 6-liter, individually certified clean, stainless-steel Summa® canisters and flow controllers on hand, the laboratory did not have sufficient time to prepare additional individually certified Summa® canisters/regulators in time for the August 24th sampling, so batch certified Summa® canisters were also used.

The sampling locations are shown on **Figure 2** and relevant information is presented in the table on the next page. Nine (9) IAQ samples (IA-1 through IA-9) were collected in Building 310 (220), distributed throughout the areas to be occupied during Phases #1, #2 and #3. Three (3) IAQ samples (IA-10 through IA-12) were collected in Building 320A (210). One (1) outdoor air sample (AA-01) was collected near the northeast corner of Building 320A (210), out of the path of delivery truck traffic, to assess background conditions and potential impacts on the IAQ results. Three (3) of the samples were collected using 6-liter, individually certified clean, stainless-steel Summa® canisters with flow controllers (also individually certified clean) calibrated by the laboratory to obtain 8-hour time-averaged samples. The other ten (10) Summa® canisters were batch certified by the lab. The indoor air samples were collected from a height of approximately three (3) feet above the floor. No duplicate or field blank samples were collected. PID readings were collected at each sample location immediately before sample collection began to evaluate whether VOCs were present in the OGS warehouse space and had the potential to impact the IAQ results. The PID screening measurements listed in the table below indicated no apparent air quality impacts.

Sample ID	Building	Move-In Phase	Summa® Canister/Regulator Individually Certified?	PID Reading (ppm)
IA-1	310 (220)	Phase 1	Batch certified	0.0
IA-2	310 (220)	Phase 1	Batch certified	0.0
IA-3	310 (220)	Phase 3	Batch certified	0.0
IA-4	310 (220)	Phase 3	Batch certified	0.0
IA-5	310 (220)	Phase 3	Batch certified	0.0
IA-6	310 (220)	Phase 2	Batch certified	0.0
IA-7	310 (220)	Phase 2	Yes	0.0
IA-8	310 (220)	Phase 2	Batch certified	0.0
IA-9	310 (220)	Phase 3	Yes	0.0
IA-10	320A (210)	Phase 4	Batch certified	0.0
IA-11	320A (210)	Phase 4	Batch certified	0.0
IA-12	320A (210)	Phase 4	No	0.0
AA-01	NA	NA	Yes	0.7

All samples were transferred to Phoenix Labs of Manchester, CT, a NYSDOH ELAP certified laboratory (NYSDOH ELAP #11301) under chain of custody for 24-hour turnaround analysis of volatile organic compound (VOC) analytes via modified Method TO-15 (full list) to achieve

lower reporting limits via selective ion monitoring for TCE, vinyl chloride and carbon tetrachloride. A summary of field sampling information is provided in **Table 1**. The IAQ laboratory analytical data are provided in **Table 2**. Photos taken during the sampling are provided in **Appendix B**. The full laboratory analytical report is provided in **Appendix C**. A Data Usability Summary Report (DUSR) will be prepared and submitted under separate cover.

Results and Discussion

The August 24th OGS warehouse space air results presented in **Table 2** were evaluated using the *NYSDOH: Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (dated October 2006 with updates issued by NYSDOH) as a guide. The SVI guidance lists the air guideline values (AGVs) for indoor and outdoor air which that NYSDOH has established for methylene chloride, trichloroethylene (TCE) and tetrachloroethylene (PCE), as indicated in **Table 2**. For analytes that do not have AGVs and are not considered in the NYSDOH SVI decision matrices, the reported air concentrations 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 IAQ data collected in the OGS warehouse spaces 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.

The VOC concentrations reported for the indoor air samples collected in the warehouse spaces were consistent with the BASE indoor air background concentrations and the ambient air quality recorded during the sampling at AA-1. None of the indoor air concentrations exceeded the respective AGVs or the SVI guidance decision matrix indoor air threshold concentrations recommending mitigation. Therefore, the August 24th IAQ sampling results confirmed acceptable indoor air quality in the OGS warehouse space in Buildings 310 (220) and 320A (210). The laboratory data for the samples collected using individually certified and batch certified Summa® canisters were consistent, therefore all of the results are considered accurate.

Please note that Sanborn Head conducted indoor air sampling in Building 310 (220) on August 14th as part of the IBM's evaluation of the SSDS systems for the central portion of the building and the Model Shop; these results are expected around the end of August and will supplement the IAQ data presented in this summary. The indoor air sampling screening data reported in Sanborn Head's March 2020 *Subslab Depressurization Pilot Testing Summary Report Northwest Area of Building 310* for non-targeted samples (not biased to solvent drains/floor drains that have since been sealed) did not indicate any exceedances of the AGVs for PCE or TCE. The August 24th IAQ sampling results are consistent with the Sanborn Head findings.

All of the VOC concentrations detected in the IAQ samples collected in the warehouse spaces to be occupied by OGS 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. Based on the results from the IAQ testing presented herein, please confirm that the warehouse spaces within Building 310 (220) and 320A (210) is suitable for OGS storage. Multiple fans will be used for air movement in the OGS warehouse areas, drawing air into the spaces.

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.
VP/Senior Project Manager

Attachments:
Figure 1 – Site Location Map
Figure 2 – Sampling Locations in OGS Warehouse

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

Appendix A – Indoor Air Quality Questionnaire and Building Inventory
Appendix B – Photographic Log of Sampling Locations
Appendix C – Laboratory Analytical Report

cc: J. Kenney, NYSDOH
J. Cotter, iPark
C. Monheit, iPark

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0 350 700 1400 2100 FEET

SCALE: 1" = 700'-0"

SITE PLAN

SCALE: 1" = 700'-0"

Walden Environmental Engineering

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REVISION		
No.	DATE	COMMENTS

FOR:
BUILDING 310 (220) AND 320A (210)
iPark 84 Campus
2070 State Route 52
Hopewell Junction, NY 12533

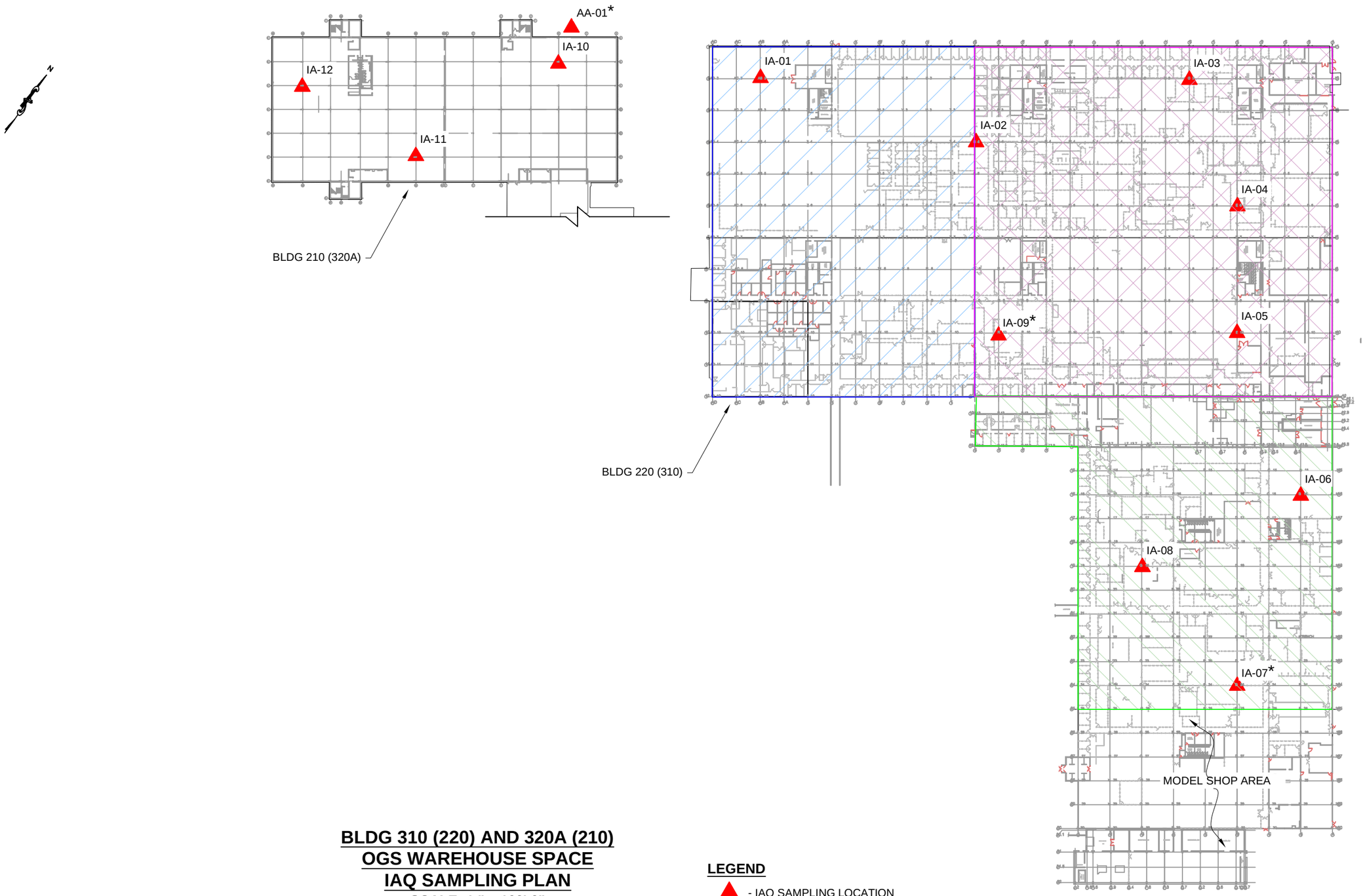
DRAWING TITLE:
IAQ SAMPLING PLAN
BUILDING 310 (220) AND 320A (210) - OGS WAREHOUSE SPACE
IAQ SAMPLING PLAN

FIGURE NO: 1

ISSUED

REVISION NO: 0

DESIGNED BY: NMB / KAW	DRAWN BY: EJK	JOB NO: IPARK118	DATE: 8/26/20	11x17
APPROVED BY: NMB	SCALE: AS NOTED	CAD FILE NAME: Z:\iPark\118\Building 310\OGS Warehouse IAQ Sampling\ACAD\Building 310 OGS Warehouse IAQ Sampling Plan .dwg		



ORDER OF OCCUPANCY:

- FIRST AREA TO BE OCCUPIED
- SECOND AREA TO BE OCCUPIED
- THIRD AREA TO BE OCCUPIED

BLDG 310 (220) AND 320A (210)
OGS WAREHOUSE SPACE
IAQ SAMPLING PLAN

SCALE: 1 " = 100'-0"

0 50 100 200 300

SCALE: 1"=100'

LEGEND

- ▲ - IAQ SAMPLING LOCATION
- IA-XX - IAQ SAMPLING NUMBER
- * - INDIVIDUALLY CERTIFIED SUMMA CANISTERS

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REVISION		
No.	DATE	COMMENTS

FOR: BUILDING 310 (220) AND 320A (210)
iPark 84 Campus
2070 State Route 52
Hopewell Junction, NY 12533

DRAWING TITLE: IAQ SAMPLING PLAN
BUILDING 310 (220) AND 320A (210) - OGS WAREHOUSE SPACE
IAQ SAMPLING PLAN

FIGURE NO: 2

ISSUED

REVISION NO: 0

DESIGNED BY: NMB / KAW | DRAWN BY: EJK | JOB NO: IPARK118 | DATE: 8/26/20 | 11x17

APPROVED BY: NMB | SCALE: AS NOTED

CAD FILE NAME: Z:\iPark\0118\Building 310\OGS Warehouse IAQ Sampling\ACAD\Building 310 OGS Warehouse IAQ Sampling Plan .dwg

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

TABLE 1
SUMMARY OF INDOOR AIR SAMPLE INFORMATION
BUILDING 310 (220) /320A (210) OGS WAREHOUSE SPACE
August 24, 2020

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	23340	5594	2.5	7:09	-29	0.0	13:48	-8.5	75	Column AB2 Bldg 220	None observed
IA-2	Ground	Indoor Air	23330	2924	2.5	7:12	-30	0.0	13:51	-7	75	Column S4 Bldg 220	None observed
IA-3	Ground	Indoor Air	9536	3506	2.5	7:18	-30	0.0	14:16	-9	75	Column G2 Bldg 220	None observed
IA-4	Ground	Indoor Air	481	5614	2.5	7:20	-29	0.0	14:06	-8	75	Column E6 Bldg 220	None observed
IA-5	Ground	Indoor Air	217	862	2.5	7:23	-30	0.0	14:19	-8.5	75	Column E10 Bldg 220	None observed
IA-6	Ground	Indoor Air	28582	5592	2.5	7:26	-30	0.0	13:56	-8.5	75	Column B16 Bldg 220	None observed
IA-7	Ground	Indoor Air	23348	3504	2.5	7:32	-30	0.0	14:32	-9	80	Column D24 Bldg 220	None observed
IA-8	Ground	Indoor Air	28558	3264	2.5	7:36	-29	0.0	14:29	-8.5	80	Column G19 Bldg 220	None observed
IA-9	Ground	Indoor Air	13652	5398	2.5	7:42	-30	0.0	14:26	-8.5	80	Column P10 Bldg 220	None observed
IA-10	Ground	Indoor Air	483	4966	2.5	7:53	-30	0.0	14:36	-8.5	75	Column U3 Bldg 320A	None observed
IA-11	Ground	Indoor Air	28605	7043	2.5	7:56	-30	0.0	14:42	-9	75	Column AB7 Bldg 320A	None observed
IA-12	Ground	Indoor Air	28593	5659	2.5	7:59	-30	0.0	14:39	-9	75	Column AG4 Bldg 320A	None observed
Ambient Air	Ground	Ambient Air	12855	5521	3	8:09	-29	0.7	14:49	-7	92 (AM), 95 (PM)	NE Front of Building 320A	None observed

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

TABLE 2
SUMMARY OF AUGUST 24, 2020 IAQ ANALYSIS
BUILDINGS 310 (220) AND 320A (210) - OGS WAREHOUSE SPACE

								Building 220 (Former 310)													
			USEPA BASE Database Tables - Typical Background Concentrations for Indoor Air				Collection Date	8/24/2020		8/24/2020		8/24/2020		8/24/2020		8/24/2020		8/24/2020		8/24/2020	
							Sample ID	IA-1		IA-2		IA-3		IA-4		IA-5		IA-6		IA-7	
							Matrix	Air		Air		Air		Air		Air		Air		Air	
	CAS Registry Number	**NYSDOH Air Guideline Value**	75th Percentile	90th Percentile	95th Percentile	99th Percentile	Location	Bldg 310/220 Column AB2		Bldg 310/220 Column S4		Bldg 310/220 Column G2		Bldg 310/220 Column E6		Bldg 310/220 Column E10		Bldg 310/220 Column B16		Bldg 310/220 Column D24	
							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	< 0.20	0.40	< 0.20	0.40	< 0.20	0.40	< 0.20	0.40	< 0.20	0.40	< 0.20	0.40	< 0.20	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	14.8	2.37	13.6	2.37	16.5	2.37	53.2	2.37	19.5	2.37	21.2	2.37	15.1	2.37
Benzene	71-43-2		5.1	9.4	12.5	25.0	ug/m3	0.62	0.16	0.81	0.16	1.35	0.16	1.32	0.16	1	0.16	0.66	0.16	0.6	0.16
Carbon Tetrachloride	56-23-5		<1.1	<1.3	0.7	0.9	ug/m3	0.47	0.13	0.45	0.13	0.44	0.13	0.5	0.13	0.44	0.13	0.45	0.13	0.43	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	< 0.20	0.79	< 0.20	0.79	< 0.20	0.79	< 0.20	0.79	< 0.20	0.79	< 0.20	0.79	< 0.20	0.79
Dichlorodifluoromethane	75-71-8		10.5	16.5	32.9	81.3	ug/m3	1.5	0.99	1.86	0.99	1.98	0.99	1.85	0.99	1.77	0.99	2	0.99	2.52	0.99
Ethylbenzene	100-41-4		3.4	5.7	7.6	18.5	ug/m3	< 0.65	0.65	< 0.65	0.65	1.87	0.65	1.31	0.65	0.95	0.65	< 0.65	0.65	< 0.65	0.65
m,p-Xylene	179601-23-1		12.2	22.2	28.5	67.6	ug/m3	1.39	0.65	1.59	0.65	4.12	0.65	3.61	0.65	2.83	0.65	1.73	0.65	1.59	0.65
Methylene Chloride	75-09-2	60	5.0	10.0	16.0	1155.6	ug/m3	< 1.39	1.39	< 1.39	1.39	< 1.39	1.39	< 1.39	1.39	< 1.39	1.39	< 1.39	1.39	< 1.39	1.39
o-Xylene	95-47-6		4.4	7.9	11.2	20.1	ug/m3	< 0.65	0.65	0.77	0.65	1.7	0.65	1.49	0.65	1.43	0.65	1.25	0.65	1.03	0.65
Tetrachloroethene	127-18-4	30	5.9	15.9	25.4	55.6	ug/m3	2.45	0.68	3.33	0.68	4.2	0.68	4.13	0.68	3.17	0.68	2.47	0.68	3.33	0.68
Toluene	108-88-3		25.9	43.0	70.8	348.9	ug/m3	2	0.75	2.88	0.75	5.24	0.75	4.22	0.75	3.68	0.75	1.14	0.75	1.1	0.75
Trichloroethene	79-01-6	2	1.2	4.2	6.5	57.0	ug/m3	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	0.23	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
Trichlorofluoromethane	75-69-4		6.7	18.1	54.0	860.6	ug/m3	28.1	0.84	33.7	0.84	64.6	0.84	66.3	0.84	69.1	0.84	57.3	0.84	65.7	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

Notes:

Concentrations are provided in micrograms per cubic meter ($\mu g/m^3$).

Highlighted analytes are included in the NYSDOH Decision Matrices.

Result Detected

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

TABLE 2
SUMMARY OF AUGUST 24, 2020 IAQ ANALYSIS
BUILDINGS 310 (220) AND 320A (210) - OGS WAREHOUSE SPACE

								Building 220 (Former 310)				Building 210 (Former 320A)						Outdoor Air	
			USEPA BASE Database Tables - Typical Background Concentrations for Indoor Air				Collection Date	8/24/2020		8/24/2020		8/24/2020		8/24/2020		8/24/2020		8/24/2020	
							Sample ID	IA-8		IA-9		IA-10		IA-11		IA-12		AA-01	
							Matrix	Air		Air		Air		Air		Air		Air	
	CAS Registry Number	NYSDOH Air Guideline Value	75th Percentile	90th Percentile	95th Percentile	99th Percentile	Location	Bldg 310/220 Column G19		Bldg 310/220 Column P10		Bldg 320A/210 Column U3		Bldg 320A/220 Column AB7		Bldg 320A/210 Column AG4		NE Front of Building 320A/210	
							Units	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
1,1-Dichloroethene	75-35-4		<1.2	<1.4	<1.6	<1.7	ug/m3	< 0.20	0.40	< 0.20	0.40	< 0.20	0.40	< 0.20	0.40	< 0.20	0.40	< 0.20	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
1,2-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
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
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
Acetone	67-64-1		59.8	98.9	120.2	226.6	ug/m3	19.3	2.37	15.2	2.37	11.4	2.37	14.2	2.37	17.1	2.37	5.77	2.37
Benzene	71-43-2		5.1	9.4	12.5	25.0	ug/m3	0.97	0.16	0.91	0.16	< 0.16	0.16	0.5	0.16	< 0.16	0.16	< 0.16	0.16
Carbon Tetrachloride	56-23-5		<1.1	<1.3	0.7	0.9	ug/m3	0.46	0.13	0.42	0.13	0.47	0.13	0.47	0.13	0.47	0.13	0.43	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
Cis-1,2-Dichloroethene	156-59-2		<1.2	<1.9	<2.0	<2.2	ug/m3	< 0.20	0.79	< 0.20	0.79	< 0.20	0.79	< 0.20	0.79	< 0.20	0.79	< 0.20	0.79
Dichlorodifluoromethane	75-71-8		10.5	16.5	32.9	81.3	ug/m3	2.22	0.99	2.01	0.99	1.45	0.99	1.94	0.99	1.74	0.99	1.65	0.99
Ethylbenzene	100-41-4		3.4	5.7	7.6	18.5	ug/m3	< 0.65	0.65	0.89	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65
m,p-Xylene	179601-23-1		12.2	22.2	28.5	67.6	ug/m3	2.64	0.65	2.96	0.65	1.02	0.65	1.21	0.65	0.97	0.65	< 0.65	0.65
Methylene Chloride	75-09-2	60	5.0	10.0	16.0	1155.6	ug/m3	< 1.39	1.39	< 1.39	1.39	< 1.39	1.39	< 1.39	1.39	< 1.39	1.39	< 1.39	1.39
o-Xylene	95-47-6		4.4	7.9	11.2	20.1	ug/m3	1.52	0.65	1.23	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65
Tetrachloroethene	127-18-4	30	5.9	15.9	25.4	55.6	ug/m3	2.58	0.68	3.31	0.68	< 0.68	0.68	< 0.68	0.68	< 0.68	0.68	< 0.68	0.68
Toluene	108-88-3		25.9	43.0	70.8	348.9	ug/m3	1.25	0.75	4.71	0.75	1.16	0.75	1.22	0.75	1.13	0.75	< 0.75	0.75
Trichloroethene	79-01-6	2	1.2	4.2	6.5	57.0	ug/m3	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
Trichlorofluoromethane	75-69-4		6.7	18.1	54.0	860.6	ug/m3	69.6	0.84	63.4	0.84	4.62	0.84	4.12	0.84	3.72	0.84	1.22	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
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

Notes:

Concentrations are provided in micrograms per cubic meter ($\mu g/m^3$).

Highlighted analytes are included in the NYSDOH Decision Matrices.

Result Detected

APPENDIX A
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Kerri Ann Wright Date/Time Prepared 8/24/20 10:54 am

Preparer's Affiliation Walden Environmental Project Scientist Phone No. 845 531 7943

Purpose of Investigation Ipark 118.28 Building 220

1. OCCUPANT:

Interviewed: (Y) / N

Last Name: Montefusco First Name: Shawn

Address: 200 North Drive Hopewell Junction, NY 12533

County: Dutchess

Home Phone: 845 705 4003 Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: (Y) / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	(Commercial/Multi-use)
Industrial	Church	Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other: N/A

If multiple units, how many? N/A

If the property is commercial, type?

Business Type(s) PPE Warehouse

Does it include residences (i.e., multi-use)? Y / (N) If yes, how many? N/A

Other characteristics:

Number of floors 1 Building age 1980s

Is the building insulated? (Y) / N How air tight? Tight / (Average) / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

N/A

Airflow near source

N/A

Outdoor air infiltration

open doors, fans, moderate

Infiltration into air ducts

moderate

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	wood frame	(concrete)	stone	brick
b. Basement type: N/A	full	crawlspace	slab	other _____
c. Basement floor: N/A	concrete	dirt	stone	other _____
d. Basement floor: N/A	uncovered	covered	covered with _____	
e. Concrete floor:	unsealed	(sealed)	sealed with _____	
f. Foundation walls: N/A	poured	block	stone	other _____
g. Foundation walls: N/A	unsealed	sealed	sealed with _____	
h. The basement is: N/A	wet	damp	dry	moldy
i. The basement is: N/A	finished	unfinished	partially finished	
j. Sump present?	Y / (N)			
k. Water in sump?	Y / N / (not applicable)			

Basement/Lowest level depth below grade: N/A (feet) lowest level is on grade

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

N/A

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

(Hot air circulation)	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

(Natural Gas)	Fuel Oil	Kerosene
(Electric)	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: Natural Gas

Boiler/furnace located in:	Basement	Outdoors	Main Floor	Other mechanical room
Air conditioning:	(Central Air)	Window units	Open Windows	None

Are there air distribution ducts present? Y / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

_____

_____

_____

_____

7. OCCUPANCY

Is basement/lowest level occupied? (Full-time) Occasionally Seldom Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	N/A
1st Floor	Warehouse space
2nd Floor	N/A
3rd Floor	N/A
4th Floor	N/A

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / (N)

b. Does the garage have a separate heating unit? Y / N / (NA)

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / (NA) Please specify_____

d. Has the building ever had a fire? Y / (N) When?_____

e. Is a kerosene or unvented gas space heater present? Y / (N) Where? _____

f. Is there a workshop or hobby/craft area? Y / (N) Where & Type? _____

g. Is there smoking in the building? Y / (N) How frequently? _____

h. Have cleaning products been used recently? (Y) / N When & Type? hand sanitizer

i. Have cosmetic products been used recently? Y / (N) When & Type? _____

RW

j. Has painting/staining been done in the last 6 months? (Y) / N Where & When? _____

k. Is there new carpet, drapes or other textiles? Y / (N) Where & When? _____

l. Have air fresheners been used recently? Y / (N) When & Type? _____

m. Is there a kitchen exhaust fan? Y / (N) If yes, where vented? _____

n. Is there a bathroom exhaust fan? Y / (N) If yes, where vented? _____

o. Is there a clothes dryer? Y / (N) If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / (N) When & Type? _____

Are there odors in the building? Y / (N)
If yes, please describe: _____

Do any of the building occupants use solvents at work? Y / N
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? N/A

If yes, are their clothes washed at work? Y / (N)

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly) (No)
Yes, use dry-cleaning infrequently (monthly or less) Unknown
Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y / N Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: (Public Water) Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: Public Sewer Septic Tank Leach Field Dry Well (Other: GF WWTP)

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: N/A

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: MiniRae 3000

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y / N
1st floor	Hand sanitizer	1gal	U.	unknown	0.0	Y
	fire extinguisher		UO	unknown	0.0	Y

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Indoor Air Quality Questionnaire and Building Inventory
Product Inventory Photographs - August 24, 2020
Former IBM East Fishkill Facility
Building 310 (220) and 320A (210), OGS Warehouse Space

Photo #1: Carbon Dioxide Fire Extinguisher near location IA-07 in Building 310 (220)

Photo #2: In entrance way to Building 310 (220)

APPENDIX B
PHOTOGRAPHIC LOG OF SAMPLING LOCATIONS

Site Photographs
Building 310 (220) and 320A (210), OGS Warehouse Space IAQ Sampling

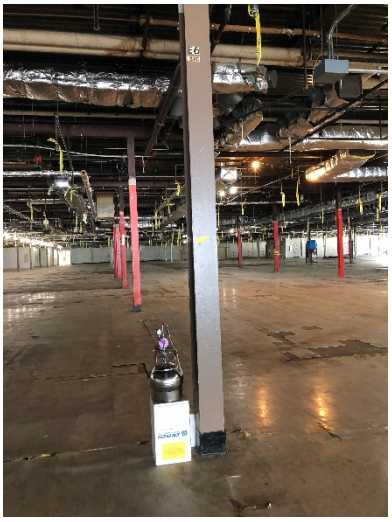
Photograph #1

Sample Location IA-1,
Column AB2 Bldg. 310 (220)

Photograph #2

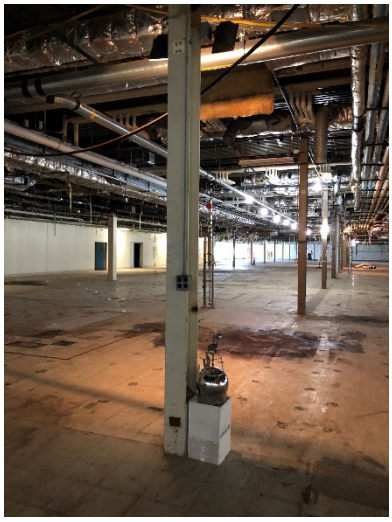
Sample Location IA-2,
Column S4 Bldg. 310 (220)

Photograph #3



Sample Location IA-4,
Column E6 Bldg. 310 (220)

Photograph #4

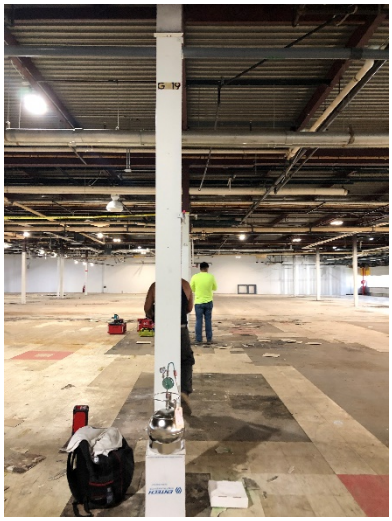


Sample Location IA-5
Column E10 Bldg. 310 (220)

Photograph #5

Sample Location IA-6,
Column B16 Bldg. 310 (220)

Photograph #6



Sample Location IA-8,
Column G19 Bldg. 310 (220)

Photograph #7

Sample Location IA-12,
Column AG4 Bldg. 320A (210)

Photograph #8

Sample Location AA-1,
NE front of Building 320A (210)

APPENDIX C

LABORATORY ANALYTICAL REPORT

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 26, 2020

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:	KW	08/24/20	14:06
Location Code:	WALDENE-IPARK	Received by:	LB	08/25/20	16:26
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	IPARK0118.28				
Canister Id:	481				

Laboratory Data

SDG ID: GCG61553
Phoenix ID: CG61553

Project ID: IPARK0118.28 WAREHOUSE
Client ID: IA-4 (COLUMN E6)

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	08/25/20	KCA	1
1,1-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/25/20	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	08/25/20	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/25/20	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/25/20	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/25/20	KCA	1
Acetone	22.4	*1.00*	1.00	53.2	*2.37*	2.37	08/25/20	KCA	1
Benzene	0.413	*0.050*	0.050	1.32	*0.16*	0.16	08/25/20	KCA	1
Carbon Tetrachloride	0.080	*0.020*	0.020	0.50	*0.13*	0.13	08/25/20	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	08/25/20	KCA	1
Cis-1,2-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/25/20	KCA	1
Dichlorodifluoromethane	0.374	*0.200*	0.200	1.85	*0.99*	0.99	08/25/20	KCA	1
Ethylbenzene	0.302	*0.150*	0.150	1.31	*0.65*	0.65	08/25/20	KCA	1
m,p-Xylene	0.833	*0.150*	0.150	3.61	*0.65*	0.65	08/25/20	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	08/25/20	KCA	1
o-Xylene	0.343	*0.150*	0.150	1.49	*0.65*	0.65	08/25/20	KCA	1
Tetrachloroethene	0.610	*0.100*	0.100	4.13	*0.68*	0.68	08/25/20	KCA	1
Toluene	1.12	*0.200*	0.200	4.22	*0.75*	0.75	08/25/20	KCA	1
Trichloroethene	0.042	*0.037*	0.037	0.23	*0.20*	0.20	08/25/20	KCA	1
Trichlorofluoromethane	11.8	*0.150*	0.150	66.3	*0.84*	0.84	08/25/20	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	08/25/20	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	08/25/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	101	*%*	%	101	*%*	%	08/25/20	KCA	1
% IS-1,4-Difluorobenzene	72	*%*	%	72	*%*	%	08/25/20	KCA	1
% IS-Bromochloromethane	75	*%*	%	75	*%*	%	08/25/20	KCA	1

Project ID: IPARK0118.28 WAREHOUSE
Client ID: IA-4 (COLUMN E6)

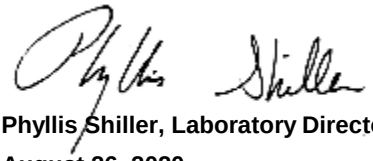
Phoenix I.D.: CG61553

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	
% IS-Chlorobenzene-d5	76	%	%	76	%	%	08/25/20	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
August 26, 2020
Official Report Release To Follow

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 26, 2020

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:	KW	08/24/20	13:48
Location Code:	WALDENE-IPARK	Received by:	LB	08/25/20	16:26
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	IPARK0118.28				
Canister Id:	23340				

Laboratory Data

SDG ID: GCG61553
Phoenix ID: CG61554

Project ID: IPARK0118.28 WAREHOUSE
Client ID: IA-1 (NW AREA 310)

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	08/25/20	KCA	1
1,1-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/25/20	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	08/25/20	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/25/20	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/25/20	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/25/20	KCA	1
Acetone	6.22	*1.00*	1.00	14.8	*2.37*	2.37	08/25/20	KCA	1
Benzene	0.194	*0.050*	0.050	0.62	*0.16*	0.16	08/25/20	KCA	1
Carbon Tetrachloride	0.074	*0.020*	0.020	0.47	*0.13*	0.13	08/25/20	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	08/25/20	KCA	1
Cis-1,2-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/25/20	KCA	1
Dichlorodifluoromethane	0.304	*0.200*	0.200	1.50	*0.99*	0.99	08/25/20	KCA	1
Ethylbenzene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/25/20	KCA	1
m,p-Xylene	0.321	*0.150*	0.150	1.39	*0.65*	0.65	08/25/20	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	08/25/20	KCA	1
o-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/25/20	KCA	1
Tetrachloroethene	0.361	*0.100*	0.100	2.45	*0.68*	0.68	08/25/20	KCA	1
Toluene	0.532	*0.200*	0.200	2.00	*0.75*	0.75	08/25/20	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	08/25/20	KCA	1
Trichlorofluoromethane	5.01	*0.150*	0.150	28.1	*0.84*	0.84	08/25/20	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	08/25/20	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	08/25/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	101	*%*	%	101	*%*	%	08/25/20	KCA	1
% IS-1,4-Difluorobenzene	73	*%*	%	73	*%*	%	08/25/20	KCA	1
% IS-Bromochloromethane	75	*%*	%	75	*%*	%	08/25/20	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	
% IS-Chlorobenzene-d5	76	%	%	76	%	%	08/25/20	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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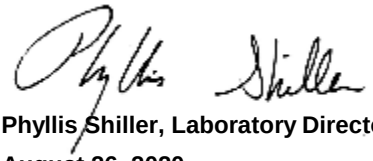

Phyllis Shiller, Laboratory Director
August 26, 2020
Official Report Release To Follow

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 26, 2020

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:	KW	08/24/20	14:29
Location Code:	WALDENE-IPARK	Received by:	LB	08/25/20	16:26
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	IPARK0118.28				
Canister Id:	28558				

Laboratory Data

SDG ID: GCG61553
Phoenix ID: CG61555

Project ID: IPARK0118.28 WAREHOUSE
Client ID: IA-8 (COLUMN G19)

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	08/25/20	KCA	1
1,1-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/25/20	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	08/25/20	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/25/20	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/25/20	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/25/20	KCA	1
Acetone	8.11	*1.00*	1.00	19.3	*2.37*	2.37	08/25/20	KCA	1
Benzene	0.305	*0.050*	0.050	0.97	*0.16*	0.16	08/25/20	KCA	1
Carbon Tetrachloride	0.073	*0.020*	0.020	0.46	*0.13*	0.13	08/25/20	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	08/25/20	KCA	1
Cis-1,2-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/25/20	KCA	1
Dichlorodifluoromethane	0.449	*0.200*	0.200	2.22	*0.99*	0.99	08/25/20	KCA	1
Ethylbenzene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/25/20	KCA	1
m,p-Xylene	0.609	*0.150*	0.150	2.64	*0.65*	0.65	08/25/20	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	08/25/20	KCA	1
o-Xylene	0.350	*0.150*	0.150	1.52	*0.65*	0.65	08/25/20	KCA	1
Tetrachloroethene	0.381	*0.100*	0.100	2.58	*0.68*	0.68	08/25/20	KCA	1
Toluene	0.332	*0.200*	0.200	1.25	*0.75*	0.75	08/25/20	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	08/25/20	KCA	1
Trichlorofluoromethane	12.4	*0.150*	0.150	69.6	*0.84*	0.84	08/25/20	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	08/25/20	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	08/25/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	100	*%*	%	100	*%*	%	08/25/20	KCA	1
% IS-1,4-Difluorobenzene	73	*%*	%	73	*%*	%	08/25/20	KCA	1
% IS-Bromochloromethane	75	*%*	%	75	*%*	%	08/25/20	KCA	1

Project ID: IPARK0118.28 WAREHOUSE
Client ID: IA-8 (COLUMN G19)

Phoenix I.D.: CG61555

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	
% IS-Chlorobenzene-d5	77	%	%	77	%	%	08/25/20	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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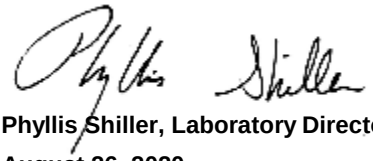

Phyllis Shiller, Laboratory Director
August 26, 2020
Official Report Release To Follow

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 26, 2020

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:	KW	08/24/20	14:42
Location Code:	WALDENE-IPARK	Received by:	LB	08/25/20	16:26
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	IPARK0118.28				
Canister Id:	28605				

Laboratory Data

SDG ID: GCG61553
Phoenix ID: CG61556

Project ID: IPARK0118.28 WAREHOUSE
Client ID: IA-11 (COLUMN AB7-320A)

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	08/25/20	KCA	1
1,1-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/25/20	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	08/25/20	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/25/20	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/25/20	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/25/20	KCA	1
Acetone	6.00	*1.00*	1.00	14.2	*2.37*	2.37	08/25/20	KCA	1
Benzene	0.157	*0.050*	0.050	0.50	*0.16*	0.16	08/25/20	KCA	1
Carbon Tetrachloride	0.074	*0.020*	0.020	0.47	*0.13*	0.13	08/25/20	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	08/25/20	KCA	1
Cis-1,2-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/25/20	KCA	1
Dichlorodifluoromethane	0.393	*0.200*	0.200	1.94	*0.99*	0.99	08/25/20	KCA	1
Ethylbenzene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/25/20	KCA	1
m,p-Xylene	0.279	*0.150*	0.150	1.21	*0.65*	0.65	08/25/20	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	08/25/20	KCA	1
o-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/25/20	KCA	1
Tetrachloroethene	ND	*0.100*	0.100	ND	*0.68*	0.68	08/25/20	KCA	1
Toluene	0.325	*0.200*	0.200	1.22	*0.75*	0.75	08/25/20	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	08/25/20	KCA	1
Trichlorofluoromethane	0.734	*0.150*	0.150	4.12	*0.84*	0.84	08/25/20	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	08/25/20	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	08/25/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	101	*%*	%	101	*%*	%	08/25/20	KCA	1
% IS-1,4-Difluorobenzene	73	*%*	%	73	*%*	%	08/25/20	KCA	1
% IS-Bromochloromethane	75	*%*	%	75	*%*	%	08/25/20	KCA	1

Project ID: IPARK0118.28 WAREHOUSE
Client ID: IA-11 (COLUMN AB7-320A)

Phoenix I.D.: CG61556

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	
% IS-Chlorobenzene-d5	75	%	%	75	%	%	08/25/20	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
August 26, 2020
Official Report Release To Follow

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 26, 2020

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:	KW	08/24/20	14:36
Location Code:	WALDENE-IPARK	Received by:	LB	08/25/20	16:26
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	IPARK0118.28				
Canister Id:	483				

Laboratory Data

SDG ID: GCG61553
Phoenix ID: CG61557

Project ID: IPARK0118.28 WAREHOUSE
Client ID: IA-10 (COLUMN US3-320A)

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	08/26/20	KCA	1
1,1-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/26/20	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	08/26/20	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/26/20	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/26/20	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/26/20	KCA	1
Acetone	4.80	*1.00*	1.00	11.4	*2.37*	2.37	08/26/20	KCA	1
Benzene	ND	*0.050*	0.050	ND	*0.16*	0.16	08/26/20	KCA	1
Carbon Tetrachloride	0.075	*0.020*	0.020	0.47	*0.13*	0.13	08/26/20	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	08/26/20	KCA	1
Cis-1,2-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/26/20	KCA	1
Dichlorodifluoromethane	0.294	*0.200*	0.200	1.45	*0.99*	0.99	08/26/20	KCA	1
Ethylbenzene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/26/20	KCA	1
m,p-Xylene	0.235	*0.150*	0.150	1.02	*0.65*	0.65	08/26/20	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	08/26/20	KCA	1
o-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/26/20	KCA	1
Tetrachloroethene	ND	*0.100*	0.100	ND	*0.68*	0.68	08/26/20	KCA	1
Toluene	0.307	*0.200*	0.200	1.16	*0.75*	0.75	08/26/20	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	08/26/20	KCA	1
Trichlorofluoromethane	0.823	*0.150*	0.150	4.62	*0.84*	0.84	08/26/20	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	08/26/20	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	08/26/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	101	*%*	%	101	*%*	%	08/26/20	KCA	1
% IS-1,4-Difluorobenzene	73	*%*	%	73	*%*	%	08/26/20	KCA	1
% IS-Bromochloromethane	75	*%*	%	75	*%*	%	08/26/20	KCA	1

Project ID: IPARK0118.28 WAREHOUSE
Client ID: IA-10 (COLUMN US3-320A)

Phoenix I.D.: CG61557

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	
% IS-Chlorobenzene-d5	77	%	%	77	%	%	08/26/20	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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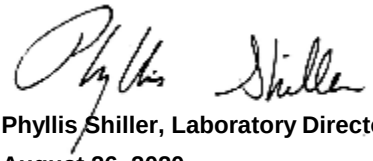

Phyllis Shiller, Laboratory Director
August 26, 2020
Official Report Release To Follow

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 26, 2020

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:	KW	08/24/20	14:19
Location Code:	WALDENE-IPARK	Received by:	LB	08/25/20	16:26
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	IPARK0118.28				
Canister Id:	217				

Laboratory Data

SDG ID: GCG61553
Phoenix ID: CG61558

Project ID: IPARK0118.28 WAREHOUSE
Client ID: IA-5 (COLUMN E10)

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	08/26/20	KCA	1
1,1-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/26/20	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	08/26/20	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/26/20	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/26/20	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/26/20	KCA	1
Acetone	8.22	*1.00*	1.00	19.5	*2.37*	2.37	08/26/20	KCA	1
Benzene	0.313	*0.050*	0.050	1.00	*0.16*	0.16	08/26/20	KCA	1
Carbon Tetrachloride	0.070	*0.020*	0.020	0.44	*0.13*	0.13	08/26/20	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	08/26/20	KCA	1
Cis-1,2-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/26/20	KCA	1
Dichlorodifluoromethane	0.358	*0.200*	0.200	1.77	*0.99*	0.99	08/26/20	KCA	1
Ethylbenzene	0.220	*0.150*	0.150	0.95	*0.65*	0.65	08/26/20	KCA	1
m,p-Xylene	0.651	*0.150*	0.150	2.83	*0.65*	0.65	08/26/20	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	08/26/20	KCA	1
o-Xylene	0.329	*0.150*	0.150	1.43	*0.65*	0.65	08/26/20	KCA	1
Tetrachloroethene	0.467	*0.100*	0.100	3.17	*0.68*	0.68	08/26/20	KCA	1
Toluene	0.977	*0.200*	0.200	3.68	*0.75*	0.75	08/26/20	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	08/26/20	KCA	1
Trichlorofluoromethane	12.3	*0.150*	0.150	69.1	*0.84*	0.84	08/26/20	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	08/26/20	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	08/26/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	104	*%*	%	104	*%*	%	08/26/20	KCA	1
% IS-1,4-Difluorobenzene	74	*%*	%	74	*%*	%	08/26/20	KCA	1
% IS-Bromochloromethane	76	*%*	%	76	*%*	%	08/26/20	KCA	1

Project ID: IPARK0118.28 WAREHOUSE
Client ID: IA-5 (COLUMN E10)

Phoenix I.D.: CG61558

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	
% IS-Chlorobenzene-d5	76	%	%	76	%	%	08/26/20	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
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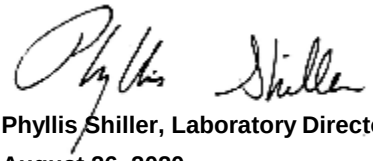

Phyllis Shiller, Laboratory Director
August 26, 2020
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 26, 2020

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:	KW	08/24/20	14:39
Location Code:	WALDENE-IPARK	Received by:	LB	08/25/20	16:26
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	IPARK0118.28				
Canister Id:	28593				

Laboratory Data

SDG ID: GCG61553
Phoenix ID: CG61559

Project ID: IPARK0118.28 WAREHOUSE
Client ID: IA-12 (COLUMN AG4-320A)

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	08/26/20	KCA	1
1,1-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/26/20	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	08/26/20	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/26/20	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/26/20	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/26/20	KCA	1
Acetone	7.21	*1.00*	1.00	17.1	*2.37*	2.37	08/26/20	KCA	1
Benzene	ND	*0.050*	0.050	ND	*0.16*	0.16	08/26/20	KCA	1
Carbon Tetrachloride	0.075	*0.020*	0.020	0.47	*0.13*	0.13	08/26/20	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	08/26/20	KCA	1
Cis-1,2-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/26/20	KCA	1
Dichlorodifluoromethane	0.352	*0.200*	0.200	1.74	*0.99*	0.99	08/26/20	KCA	1
Ethylbenzene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/26/20	KCA	1
m,p-Xylene	0.223	*0.150*	0.150	0.97	*0.65*	0.65	08/26/20	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	08/26/20	KCA	1
o-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/26/20	KCA	1
Tetrachloroethene	ND	*0.100*	0.100	ND	*0.68*	0.68	08/26/20	KCA	1
Toluene	0.301	*0.200*	0.200	1.13	*0.75*	0.75	08/26/20	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	08/26/20	KCA	1
Trichlorofluoromethane	0.663	*0.150*	0.150	3.72	*0.84*	0.84	08/26/20	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	08/26/20	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	08/26/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	100	*%*	%	100	*%*	%	08/26/20	KCA	1
% IS-1,4-Difluorobenzene	72	*%*	%	72	*%*	%	08/26/20	KCA	1
% IS-Bromochloromethane	74	*%*	%	74	*%*	%	08/26/20	KCA	1

Project ID: IPARK0118.28 WAREHOUSE
Client ID: IA-12 (COLUMN AG4-320A)

Phoenix I.D.: CG61559

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	
% IS-Chlorobenzene-d5	76	%	%	76	%	%	08/26/20	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
August 26, 2020
Official Report Release To Follow

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 26, 2020

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:	KW	08/24/20	13:51
Location Code:	WALDENE-IPARK	Received by:	LB	08/25/20	16:26
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	IPARK0118.28				
Canister Id:	23330				

Laboratory Data

SDG ID: GCG61553
Phoenix ID: CG61560

Project ID: IPARK0118.28 WAREHOUSE
Client ID: IA-2 (NW COLUMN Z4)

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	08/26/20	KCA	1
1,1-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/26/20	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	08/26/20	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/26/20	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/26/20	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/26/20	KCA	1
Acetone	5.73	*1.00*	1.00	13.6	*2.37*	2.37	08/26/20	KCA	1
Benzene	0.253	*0.050*	0.050	0.81	*0.16*	0.16	08/26/20	KCA	1
Carbon Tetrachloride	0.071	*0.020*	0.020	0.45	*0.13*	0.13	08/26/20	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	08/26/20	KCA	1
Cis-1,2-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/26/20	KCA	1
Dichlorodifluoromethane	0.376	*0.200*	0.200	1.86	*0.99*	0.99	08/26/20	KCA	1
Ethylbenzene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/26/20	KCA	1
m,p-Xylene	0.366	*0.150*	0.150	1.59	*0.65*	0.65	08/26/20	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	08/26/20	KCA	1
o-Xylene	0.177	*0.150*	0.150	0.77	*0.65*	0.65	08/26/20	KCA	1
Tetrachloroethene	0.491	*0.100*	0.100	3.33	*0.68*	0.68	08/26/20	KCA	1
Toluene	0.765	*0.200*	0.200	2.88	*0.75*	0.75	08/26/20	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	08/26/20	KCA	1
Trichlorofluoromethane	6.00	*0.150*	0.150	33.7	*0.84*	0.84	08/26/20	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	08/26/20	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	08/26/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	101	*%*	%	101	*%*	%	08/26/20	KCA	1
% IS-1,4-Difluorobenzene	74	*%*	%	74	*%*	%	08/26/20	KCA	1
% IS-Bromochloromethane	75	*%*	%	75	*%*	%	08/26/20	KCA	1

Project ID: IPARK0118.28 WAREHOUSE
Client ID: IA-2 (NW COLUMN Z4)

Phoenix I.D.: CG61560

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	
% IS-Chlorobenzene-d5	77	%	%	77	%	%	08/26/20	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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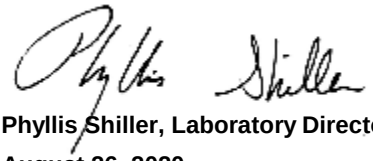

Phyllis Shiller, Laboratory Director
August 26, 2020
Official Report Release To Follow

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 26, 2020

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:	KW	08/24/20	14:16
Location Code:	WALDENE-IPARK	Received by:	LB	08/25/20	16:26
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	IPARK0118.28				
Canister Id:	9536				

Laboratory Data

SDG ID: GCG61553
Phoenix ID: CG61561

Project ID: IPARK0118.28 WAREHOUSE
Client ID: IA-3 (COLUMN G2)

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	08/26/20	KCA	1
1,1-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/26/20	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	08/26/20	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/26/20	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/26/20	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/26/20	KCA	1
Acetone	6.96	*1.00*	1.00	16.5	*2.37*	2.37	08/26/20	KCA	1
Benzene	0.422	*0.050*	0.050	1.35	*0.16*	0.16	08/26/20	KCA	1
Carbon Tetrachloride	0.070	*0.020*	0.020	0.44	*0.13*	0.13	08/26/20	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	08/26/20	KCA	1
Cis-1,2-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/26/20	KCA	1
Dichlorodifluoromethane	0.401	*0.200*	0.200	1.98	*0.99*	0.99	08/26/20	KCA	1
Ethylbenzene	0.431	*0.150*	0.150	1.87	*0.65*	0.65	08/26/20	KCA	1
m,p-Xylene	0.949	*0.150*	0.150	4.12	*0.65*	0.65	08/26/20	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	08/26/20	KCA	1
o-Xylene	0.391	*0.150*	0.150	1.70	*0.65*	0.65	08/26/20	KCA	1
Tetrachloroethene	0.620	*0.100*	0.100	4.20	*0.68*	0.68	08/26/20	KCA	1
Toluene	1.39	*0.200*	0.200	5.24	*0.75*	0.75	08/26/20	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	08/26/20	KCA	1
Trichlorofluoromethane	11.5	*0.150*	0.150	64.6	*0.84*	0.84	08/26/20	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	08/26/20	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	08/26/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	100	*%*	%	100	*%*	%	08/26/20	KCA	1
% IS-1,4-Difluorobenzene	107	*%*	%	107	*%*	%	08/26/20	KCA	1
% IS-Bromochloromethane	108	*%*	%	108	*%*	%	08/26/20	KCA	1

Project ID: IPARK0118.28 WAREHOUSE
Client ID: IA-3 (COLUMN G2)

Phoenix I.D.: CG61561

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	
% IS-Chlorobenzene-d5	104	%	%	104	%	%	08/26/20	KCA	1

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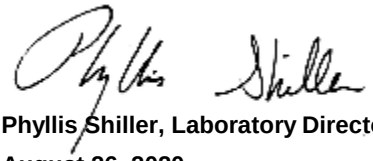

Phyllis Shiller, Laboratory Director
August 26, 2020
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PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 26, 2020

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:	KW	08/24/20	13:56
Location Code:	WALDENE-IPARK	Received by:	LB	08/25/20	16:26
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	IPARK0118.28				
Canister Id:	28582				

Laboratory Data

SDG ID: GCG61553
Phoenix ID: CG61562

Project ID: IPARK0118.28 WAREHOUSE
Client ID: IA-6 (COLUMN B16)

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	08/26/20	KCA	1
1,1-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/26/20	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	08/26/20	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/26/20	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/26/20	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/26/20	KCA	1
Acetone	8.95	*1.00*	1.00	21.2	*2.37*	2.37	08/26/20	KCA	1
Benzene	0.208	*0.050*	0.050	0.66	*0.16*	0.16	08/26/20	KCA	1
Carbon Tetrachloride	0.071	*0.020*	0.020	0.45	*0.13*	0.13	08/26/20	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	08/26/20	KCA	1
Cis-1,2-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/26/20	KCA	1
Dichlorodifluoromethane	0.405	*0.200*	0.200	2.00	*0.99*	0.99	08/26/20	KCA	1
Ethylbenzene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/26/20	KCA	1
m,p-Xylene	0.398	*0.150*	0.150	1.73	*0.65*	0.65	08/26/20	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	08/26/20	KCA	1
o-Xylene	0.289	*0.150*	0.150	1.25	*0.65*	0.65	08/26/20	KCA	1
Tetrachloroethene	0.364	*0.100*	0.100	2.47	*0.68*	0.68	08/26/20	KCA	1
Toluene	0.302	*0.200*	0.200	1.14	*0.75*	0.75	08/26/20	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	08/26/20	KCA	1
Trichlorofluoromethane	10.2	*0.150*	0.150	57.3	*0.84*	0.84	08/26/20	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	08/26/20	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	08/26/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	99	*%*	%	99	*%*	%	08/26/20	KCA	1
% IS-1,4-Difluorobenzene	113	*%*	%	113	*%*	%	08/26/20	KCA	1
% IS-Bromochloromethane	112	*%*	%	112	*%*	%	08/26/20	KCA	1

Project ID: IPARK0118.28 WAREHOUSE
Client ID: IA-6 (COLUMN B16)

Phoenix I.D.: CG61562

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	
% IS-Chlorobenzene-d5	111	%	%	111	%	%	08/26/20	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
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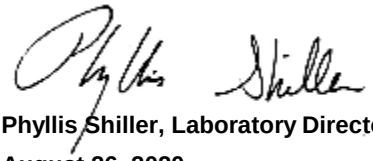

Phyllis Shiller, Laboratory Director
August 26, 2020
Official Report Release To Follow

Sample Criteria Exceedances Report

GCG61553 - WALDENE-IPARK

Criteria: NY: AIRIA

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CG61553	$AIR_WALDEN	Tetrachloroethene	NY / Air Guideline Values / Indor Air	0.610	0.100	0.443	0.443	ppbv
CG61553	$AIR_WALDEN	Trichloroethene	NY / Air Guideline Values / Indor Air	0.042	0.037	0.037	0.037	ppbv
CG61553	$AIR_WALDEN	Carbon Tetrachloride	NY / Air Guideline Values / Indor Air	0.080	0.020	0.032	0.032	ppbv
CG61553	$AIR_WALDEN	Carbon Tetrachloride	NY / Air Guideline Values / Indor Air	0.50	0.13	0.2	0.2	ug/m3
CG61553	$AIR_WALDEN	Tetrachloroethene	NY / Air Guideline Values / Indor Air	4.13	0.68	3	3	ug/m3
CG61553	$AIR_WALDEN	Trichloroethene	NY / Air Guideline Values / Indor Air	0.23	0.20	0.2	0.2	ug/m3
CG61554	$AIR_WALDEN	Carbon Tetrachloride	NY / Air Guideline Values / Indor Air	0.074	0.020	0.032	0.032	ppbv
CG61554	$AIR_WALDEN	Carbon Tetrachloride	NY / Air Guideline Values / Indor Air	0.47	0.13	0.2	0.2	ug/m3
CG61555	$AIR_WALDEN	Carbon Tetrachloride	NY / Air Guideline Values / Indor Air	0.073	0.020	0.032	0.032	ppbv
CG61555	$AIR_WALDEN	Carbon Tetrachloride	NY / Air Guideline Values / Indor Air	0.46	0.13	0.2	0.2	ug/m3
CG61556	$AIR_WALDEN	Carbon Tetrachloride	NY / Air Guideline Values / Indor Air	0.074	0.020	0.032	0.032	ppbv
CG61556	$AIR_WALDEN	Carbon Tetrachloride	NY / Air Guideline Values / Indor Air	0.47	0.13	0.2	0.2	ug/m3
CG61557	$AIR_WALDEN	Carbon Tetrachloride	NY / Air Guideline Values / Indor Air	0.075	0.020	0.032	0.032	ppbv
CG61557	$AIR_WALDEN	Carbon Tetrachloride	NY / Air Guideline Values / Indor Air	0.47	0.13	0.2	0.2	ug/m3
CG61558	$AIR_WALDEN	Tetrachloroethene	NY / Air Guideline Values / Indor Air	0.467	0.100	0.443	0.443	ppbv
CG61558	$AIR_WALDEN	Carbon Tetrachloride	NY / Air Guideline Values / Indor Air	0.070	0.020	0.032	0.032	ppbv
CG61558	$AIR_WALDEN	Carbon Tetrachloride	NY / Air Guideline Values / Indor Air	0.44	0.13	0.2	0.2	ug/m3
CG61558	$AIR_WALDEN	Tetrachloroethene	NY / Air Guideline Values / Indor Air	3.17	0.68	3	3	ug/m3
CG61559	$AIR_WALDEN	Carbon Tetrachloride	NY / Air Guideline Values / Indor Air	0.075	0.020	0.032	0.032	ppbv
CG61559	$AIR_WALDEN	Carbon Tetrachloride	NY / Air Guideline Values / Indor Air	0.47	0.13	0.2	0.2	ug/m3
CG61560	$AIR_WALDEN	Carbon Tetrachloride	NY / Air Guideline Values / Indor Air	0.071	0.020	0.032	0.032	ppbv
CG61560	$AIR_WALDEN	Tetrachloroethene	NY / Air Guideline Values / Indor Air	0.491	0.100	0.443	0.443	ppbv
CG61560	$AIR_WALDEN	Carbon Tetrachloride	NY / Air Guideline Values / Indor Air	0.45	0.13	0.2	0.2	ug/m3
CG61560	$AIR_WALDEN	Tetrachloroethene	NY / Air Guideline Values / Indor Air	3.33	0.68	3	3	ug/m3
CG61561	$AIR_WALDEN	Carbon Tetrachloride	NY / Air Guideline Values / Indor Air	0.070	0.020	0.032	0.032	ppbv
CG61561	$AIR_WALDEN	Tetrachloroethene	NY / Air Guideline Values / Indor Air	0.620	0.100	0.443	0.443	ppbv
CG61561	$AIR_WALDEN	Carbon Tetrachloride	NY / Air Guideline Values / Indor Air	0.44	0.13	0.2	0.2	ug/m3
CG61561	$AIR_WALDEN	Tetrachloroethene	NY / Air Guideline Values / Indor Air	4.20	0.68	3	3	ug/m3
CG61562	$AIR_WALDEN	Carbon Tetrachloride	NY / Air Guideline Values / Indor Air	0.071	0.020	0.032	0.032	ppbv
CG61562	$AIR_WALDEN	Carbon Tetrachloride	NY / Air Guideline Values / Indor Air	0.45	0.13	0.2	0.2	ug/m3

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. # 1Park0118.28 Page 1 of 2

Data Delivery: WCP
☐ Fax #:
☒ Email: nbrew@walden-associates.com
☒ Phone #: 516 624 7200

Report to: Kerri Wright
Customer: Walden Environmental Eng.
Address: 116 Spring St
Oyster Bay NY 11771

Project Name: 1Park0118.28 Warehouse
Invoice to: Carl Monreit - 1Park
Sampled by: Kerri Wright Ken Wright

Data Format: (Circle) Equis (Excel) Other: PDF
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	
61553	IA - 4 (Column E6)	481	6.0	-30	-8	5614	10.8	7:20	14:06	8/24/20	-29	-8	X		G	X	
61554	IA - 1 (NW area 310)	23340			-8	5594		7:09	13:48	8/24/20	-29	-8.5	X		G	X	
		23341				3964											
61555	IA - 89KW (Column G19)	28558			-8	3264		7:36	14:29 29 KW	8/24/20	-29	-8.5	X		G	X	
61556	IA - 11 (Column AB7-320A)	28605			-7	7043		7:50	14:42	8/24/20	-30	-9	X		G	X	
61557	IA - 10 (Column U3-320A)	483			-7	4966		7:53	14:36	8/24/20	-30	-8.5	X		G	X	
		23328				2932											
61558	IA - 5 (Column E10)	217			-8	0862		7:23	14:19	8/24/20	-30	-8.5	X		G	X	
61559	IA - 12 (Column AG4-320A)	28593			-9	5659		7:59	14:39	8/24/20	-30	-9	X		G	X	
61560	IA - 2 (NW Column Z4)	23339			-7	2924		7:12	13:51	8/24/20	-30	-7	X		G	X	

Relinquished by:	Accepted by:	Date:	Time:
Ken Wright		8-25-20	11:30
		8/25	1626

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: New York

Turnaround Time: 1 Day (X) 2 Day ☐ 3 Day ☐ 4 Day ☐ 5 Day ☐

Requested Criteria: (Please Circle)
CT: TAC I/C, TAC RES, SVVC I/C, SVVC RES, GWV I/C, GWV CES
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" See Bobbi (2)(6-3)(8+12)
Modified TO-15 analyses per Greg Project QAPP

WCIP

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

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

P.O. # iPark0118.28 Page 2 of 2

Data Delivery:
☐ Fax #:
☑ Email: NBrew@walden-associates.com
☑ Phone #: 516 624 7200

Report to: Kerri Wright
Customer: Walden Environmental Eng.
Address: 16 Spring St
Oyster Bay, NY 11771

Project Name: iPark 0118.28
Invoice to: Cari Monheit - iPark
Sampled by: Kerri Wright Kerri Wright

Data Format: (Circle) Equis (Excel) Other: PDF
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		
61561	IA-3 (column G2)	9536	6.0	-30	-8	3506	10.8	7:18	14:16	8/24/20	-30	-9	X		G	X		
61562	IA-6 (column B16)	28582	6.0	-30	-8	5592	10.8	7:20	13:56	8/24/20	-30	-8.5	X		G	X		

Relinquished by:	Accepted by:	Date:	Time:
Kerri Wright Kerri Wright		8-25-20	11:30
		8/25	1626

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: New York

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

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:
TO-15 "special code list" See Book (2)(6.0) (8HR)
Modified TO-15 analyses /Greg
per project QAPP

Requested Criteria: (Please Circle)

CT:	MA:	NJ:	NY:	PA:	VT:
TAC I/C	**Indoor Air:**	**Indoor Air:**	Vapor Intrusion	**Indoor Air**	**Indoor Air**
TAC RES	Residential	Residential		Residential	Residential
SVVC I/C	Ind/Commercial	Ind/Commercial		Non-residential	Industrial
SVVC RES	**Soil Gas:**	**Soil Gas:**			**Sub-slab**
GWV I/C	Residential	Residential			Residential
GWV CES	Ind/Commercial	Ind/Commercial			Industrial

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

August 26, 2020

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:	KW	08/24/20	14:26
Location Code:	WALDENE-IPARK	Received by:	LB	08/25/20	16:26
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	IPARK0118.28				
Canister Id:	13652				

Laboratory Data

SDG ID: GCG61563
Phoenix ID: CG61563

Project ID: IPARK0118.28
Client ID: IA-9 (COLUMN P10)

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	08/26/20	KCA	1
1,1-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/26/20	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	08/26/20	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/26/20	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/26/20	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/26/20	KCA	1
Acetone	6.40	*1.00*	1.00	15.2	*2.37*	2.37	08/26/20	KCA	1
Benzene	0.286	*0.050*	0.050	0.91	*0.16*	0.16	08/26/20	KCA	1
Carbon Tetrachloride	0.067	*0.020*	0.020	0.42	*0.13*	0.13	08/26/20	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	08/26/20	KCA	1
Cis-1,2-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/26/20	KCA	1
Dichlorodifluoromethane	0.407	*0.200*	0.200	2.01	*0.99*	0.99	08/26/20	KCA	1
Ethylbenzene	0.206	*0.150*	0.150	0.89	*0.65*	0.65	08/26/20	KCA	1
m,p-Xylene	0.681	*0.150*	0.150	2.96	*0.65*	0.65	08/26/20	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	08/26/20	KCA	1
o-Xylene	0.283	*0.150*	0.150	1.23	*0.65*	0.65	08/26/20	KCA	1
Tetrachloroethene	0.489	*0.100*	0.100	3.31	*0.68*	0.68	08/26/20	KCA	1
Toluene	1.25	*0.200*	0.200	4.71	*0.75*	0.75	08/26/20	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	08/26/20	KCA	1
Trichlorofluoromethane	11.3	*0.150*	0.150	63.4	*0.84*	0.84	08/26/20	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	08/26/20	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	08/26/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	99	*%*	%	99	*%*	%	08/26/20	KCA	1
% IS-1,4-Difluorobenzene	112	*%*	%	112	*%*	%	08/26/20	KCA	1
% IS-Bromochloromethane	113	*%*	%	113	*%*	%	08/26/20	KCA	1

Project ID: IPARK0118.28 Phoenix I.D.: CG61563

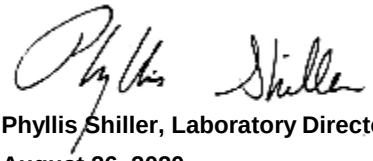
Client ID: IA-9 (COLUMN P10)

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	
% IS-Chlorobenzene-d5	111	%	%	111	%	%	08/26/20	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
August 26, 2020
Official Report Release To Follow

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

NY # 11301

Analysis Report

August 26, 2020

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:	KW	08/24/20	14:02
Location Code:	WALDENE-IPARK	Received by:	LB	08/25/20	16:26
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	IPARK0118.28				
Canister Id:	23348				

Laboratory Data

SDG ID: GCG61563
Phoenix ID: CG61564

Project ID: IPARK0118.28
Client ID: IA-07 (COLUMN D24)

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	08/26/20	KCA	1
1,1-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/26/20	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	08/26/20	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/26/20	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/26/20	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/26/20	KCA	1
Acetone	6.37	*1.00*	1.00	15.1	*2.37*	2.37	08/26/20	KCA	1
Benzene	0.188	*0.050*	0.050	0.60	*0.16*	0.16	08/26/20	KCA	1
Carbon Tetrachloride	0.068	*0.020*	0.020	0.43	*0.13*	0.13	08/26/20	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	08/26/20	KCA	1
Cis-1,2-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/26/20	KCA	1
Dichlorodifluoromethane	0.510	*0.200*	0.200	2.52	*0.99*	0.99	08/26/20	KCA	1
Ethylbenzene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/26/20	KCA	1
m,p-Xylene	0.367	*0.150*	0.150	1.59	*0.65*	0.65	08/26/20	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	08/26/20	KCA	1
o-Xylene	0.237	*0.150*	0.150	1.03	*0.65*	0.65	08/26/20	KCA	1
Tetrachloroethene	0.491	*0.100*	0.100	3.33	*0.68*	0.68	08/26/20	KCA	1
Toluene	0.291	*0.200*	0.200	1.10	*0.75*	0.75	08/26/20	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	08/26/20	KCA	1
Trichlorofluoromethane	11.7	*0.150*	0.150	65.7	*0.84*	0.84	08/26/20	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	08/26/20	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	08/26/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	99	*%*	%	99	*%*	%	08/26/20	KCA	1
% IS-1,4-Difluorobenzene	115	*%*	%	115	*%*	%	08/26/20	KCA	1
% IS-Bromochloromethane	113	*%*	%	113	*%*	%	08/26/20	KCA	1

Project ID: IPARK0118.28 Phoenix I.D.: CG61564

Client ID: IA-07 (COLUMN D24)

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	
% IS-Chlorobenzene-d5	111	%	%	111	%	%	08/26/20	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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The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
August 26, 2020
Official Report Release To Follow

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 26, 2020

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:	KW	08/24/20	14:49
Location Code:	WALDENE-IPARK	Received by:	LB	08/25/20	16:26
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	IPARK0118.28				
Canister Id:	12855				

Laboratory Data

SDG ID: GCG61563
Phoenix ID: CG61565

Project ID: IPARK0118.28
Client ID: AA-01 (NE CORNER 320A)

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	08/26/20	KCA	1
1,1-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/26/20	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	08/26/20	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/26/20	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/26/20	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/26/20	KCA	1
Acetone	2.43	*1.00*	1.00	5.77	*2.37*	2.37	08/26/20	KCA	1
Benzene	ND	*0.050*	0.050	ND	*0.16*	0.16	08/26/20	KCA	1
Carbon Tetrachloride	0.068	*0.020*	0.020	0.43	*0.13*	0.13	08/26/20	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	08/26/20	KCA	1
Cis-1,2-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/26/20	KCA	1
Dichlorodifluoromethane	0.334	*0.200*	0.200	1.65	*0.99*	0.99	08/26/20	KCA	1
Ethylbenzene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/26/20	KCA	1
m,p-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/26/20	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	08/26/20	KCA	1
o-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/26/20	KCA	1
Tetrachloroethene	ND	*0.100*	0.100	ND	*0.68*	0.68	08/26/20	KCA	1
Toluene	ND	*0.200*	0.200	ND	*0.75*	0.75	08/26/20	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	08/26/20	KCA	1
Trichlorofluoromethane	0.218	*0.150*	0.150	1.22	*0.84*	0.84	08/26/20	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	08/26/20	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	08/26/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	98	*%*	%	98	*%*	%	08/26/20	KCA	1
% IS-1,4-Difluorobenzene	117	*%*	%	117	*%*	%	08/26/20	KCA	1
% IS-Bromochloromethane	117	*%*	%	117	*%*	%	08/26/20	KCA	1

Project ID: IPARK0118.28 Phoenix I.D.: CG61565

Client ID: AA-01 (NE CORNER 320A)

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	
% IS-Chlorobenzene-d5	114	%	%	114	%	%	08/26/20	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
August 26, 2020
Official Report Release To Follow

Sample Criteria Exceedances Report

GCG61563 - WALDENE-IPARK

Criteria: NY: AIRIA

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CG61563	$AIR_WALDEN	Tetrachloroethene	NY / Air Guideline Values / Indor Air	0.489	0.100	0.443	0.443	ppbv
CG61563	$AIR_WALDEN	Carbon Tetrachloride	NY / Air Guideline Values / Indor Air	0.067	0.020	0.032	0.032	ppbv
CG61563	$AIR_WALDEN	Tetrachloroethene	NY / Air Guideline Values / Indor Air	3.31	0.68	3	3	ug/m3
CG61563	$AIR_WALDEN	Carbon Tetrachloride	NY / Air Guideline Values / Indor Air	0.42	0.13	0.2	0.2	ug/m3
CG61564	$AIR_WALDEN	Tetrachloroethene	NY / Air Guideline Values / Indor Air	0.491	0.100	0.443	0.443	ppbv
CG61564	$AIR_WALDEN	Carbon Tetrachloride	NY / Air Guideline Values / Indor Air	0.068	0.020	0.032	0.032	ppbv
CG61564	$AIR_WALDEN	Tetrachloroethene	NY / Air Guideline Values / Indor Air	3.33	0.68	3	3	ug/m3
CG61564	$AIR_WALDEN	Carbon Tetrachloride	NY / Air Guideline Values / Indor Air	0.43	0.13	0.2	0.2	ug/m3
CG61565	$AIR_WALDEN	Carbon Tetrachloride	NY / Air Guideline Values / Indor Air	0.068	0.020	0.032	0.032	ppbv
CG61565	$AIR_WALDEN	Carbon Tetrachloride	NY / Air Guideline Values / Indor Air	0.43	0.13	0.2	0.2	ug/m3

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

WIP

P.O. # Page of

Data Delivery:
☐ Fax #:
☒ Email: nbrew@walden-associates.com
☐ Phone #: 516 624 7200

Report to: ~~Walden~~ Nora Brew	Project Name: iPark0118.28	Data Format: (Circle) Equis Excel Other: PDF	
Customer: Walden Environmental	Invoice to: Cari Monheit - iPark	Requested Deliverable: RCP ASP CAT B	
Address: 16 Spring Street		MCP NJ Deliverables	
Oyster Bay, NY 11771	Sampled by: Kerri Wright Ken Wright	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		
61563	IA - 01 (column P10)	13652	6.0	-30	-8	5398	10.8	7:42	14:26	8/24/20	-30	-8.5	X		G	X		
61564	IA - 07 (column D24)	23348	↓	↓	-8	3584	↓	7:32	14:02	8/24/20	-30	-9	X		G	X		
61565	AA - 01 (NE corner - 320A)	12855	↓	↓	-8	5521	↓	8:09	14:49	8/24/20	-29	-7	X		G	X		
		13639	↓	↓		5673	↓											
	6L 8HR																	
	IND CANS IND REGS																	

Relinquished by:	Accepted by:	Date:	Time:	
Ken Wright		8-25-20	11:20	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:
		8/25	1626	Signature: Date:

State Where Samples Collected: New York

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:
TO-15 "special code list" See Bobbi/Greg
Modified TO-15 analysis per Project QAPP

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

Requested Criteria: (Please Circle)

CT:	MA:	NJ:	NY:	PA:	VT:
TAC I/C	Indoor Air: Residential Ind/Commercial	Indoor Air: Residential Ind/Commercial	Vapor Intrusion	Indoor Air Residential Non-residential	Indoor Air Residential Industrial
TAC RES					
SVVC I/C					
SVVC RES	Soil Gas: Residential Ind/Commercial	Soil Gas: Residential Ind/Commercial			Sub-slab Residential Industrial
GWV I/C					
GWV CES					

Client Services

From:	Nora Brew <nbrew@walden-associates.com>
Sent:	Tuesday, August 25, 2020 8:40 PM
To:	Client Services
Cc:	kawright@walden-associates.com; Michael Lapman
Subject:	Re: Phoenix Labs - GCG61563, IPARK0118.28 - COC Acknowledgement

Thank you. Please note that the sample ID listed as IA-0 should be IA-9.

> On 08/25/2020 8:18 PM clientservices@phoenixlabs.com wrote:
>
> This is an automated sample acknowledgement.
>
> If you were issued a Phoenix Price Quote # for this SDG and it was not listed on the chain, please email client services with the quote number so we can ensure proper invoicing. If no quote was issued, no further action is required.
>
> Purchase Order#:IPARK0118.28
>
> GCG61563 Criteria:
> AIR(3): NY AIRIA (Air Soil Vapor (IA))
>
> Please email client services only if you require criteria different than what is listed.
>
> Delivery group GCG61563 (IPARK0118.28) has been logged in for the following samples:

Phoenix Id	Client Id
CG61563	IA-0 (COLUMNP10)
CG61564	IA-7 (COLUMN D24)
CG61565	AA-01 (NE CORNER 320A)

> If there are any questions regarding this submittal, please call Phoenix Client Services at extension 200.
>
> Thank you for your business,
>
> Phoenix Environmental Laboratories, Inc.
> 587 East Middle Turnpike
> P.O. Box 370
> Manchester, CT 06374
> Tel. (860) 645-1102
> Fax. (860) 645-0823

www.phoenixlabs.com

Please do not reply to this email.
cc'd:michael@phoenixlabs.com;nbrew@walden-associates.com;greg@phoenixlabs.com;rashmi@phoenixlabs.com

Nora M. Brew, P.E.

Senior Project Manager

Walden Environmental Engineering

16 Spring Street, Oyster Bay, New York 11771 **(HQ)**
Office: (516) 624-7200, Fax: (516) 624-3219

www.WaldenEnvironmentalEngineering.com

Additional Locations

Capital District * Hudson Valley

Providing environmental consulting, civil/environmental engineering, and Geographic Information Systems services since 1995.

Walden continues to grow through referrals from clients and friends like you