Building 710 (Formerly 330 Link)
Pre-Construction Sampling
Summary Report

at

iPark 84
Former IBM East Fishkill Facility

May 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

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Professional Engineer Certification

I certify that I am a professional engineer licensed to practice in New York State in accordance with New York State Education Law, Article 145, Section 7200 et seq. I have completed accredited university courses and degrees in engineering and have sufficient training and experience in remediation, groundwater hydrology, and related fields that enable me to make sound professional judgments with regards to engineering design.

I further certify that this submittal, *Building 710 (Formerly 330 Link) Pre-Construction Sampling Summary Report*, dated May 29, 2020, was prepared under my direction.

Nora M. Brew

5/29/2020

Nora M. Brew, P.E.
Walden Environmental Engineering, PLLC

Date

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1 INTRODUCTION

Walden Environmental Engineering, PLLC (Walden) has prepared this report to summarize the results of the May 2020 pre-construction sub-slab soil, soil vapor, and air sampling investigation conducted at Building 710 (Formerly 330 Link) at the Former IBM East Fishkill facility (the "Site"). The Site is currently managed under the New York State Department of Environmental Conservation (NYSDEC) State Superfund Program (Site #314054) and United States Environmental Protection Agency (USEPA) Hazardous Waste Site Program (ID# NYD000707901).

Building 710 (330 Link) is owned by iPark East Fishkill, LLC (iPark); iPark is leasing space within Building 710 at the iPark 84 site to La Milpa De Rosa (La Milpa), a food manufacturer, for industrial use. La Milpa requires the installation of new floor drainage lines to supplement the existing floor drainage structures and trenches within the space.

The pre-construction sampling investigation was conducted to evaluate contaminant levels in the soil beneath the building slab, to address the potential for vapor intrusion from contaminated soil vapor and potential impacts on indoor air quality within Building 710 (330 Link), and to characterize exposure risks. The investigation was completed in accordance with the NYSDEC-approved *Building 710 (Formerly 330 Link) La Milpa De Rosa Space Retrofit Activities Work Plan* (Work Plan; Walden); a copy of the Work Plan and NYSDEC's conditional approval letter dated May 13, 2020 are included in **Appendix A**. The field work at Building 710 (330 Link) included the installation of temporary soil vapor points, collection of sub-slab soil and vapor, indoor air, and outdoor air samples.

A brief site description and the objectives of the pre-construction investigation are presented below. Section 2 describes the investigation field work conducted at the Building 330 Link. Section 3 summarizes the investigation sampling results. Section 4 presents conclusions and recommendations based on the investigation results.

1.1 Site Description and History

The location of Building 710 (330 Link) at the Site is illustrated on **Figure 1**.

La Milpa de Rosa (La Milpa), the proposed industrial food manufacturing tenant, is anticipated to occupy approximately 14,900 ft^2 within Building 710 (330 Link) in the eastern portion of the first floor on the iPark 84 campus. See **Figures 2 and 3** for details on the proposed layout of the La Milpa space. The remainder of the first-floor areas in

Building 710 (330 Link) are unoccupied. The only tenant in the second floor of Building 710 (330 Link) consists of a cafeteria operated by Global Foundries.

iPark plans to modify Building 710 (330 Link) to ready the space for La Milpa. The proposed construction work involves approximately 80 to 90 linear feet (lf) of trenching to install floor drains and piping associated with various sinks. The areas where construction involves disturbance to the slab are shown in red on **Figure 2**. The trenches will be approximately one (1) foot deep and one (1) foot wide, while the grease trap and pump will be installed approximately three (3) feet below the slab. All intrusive work was and will be performed in accordance with the special requirements CAMP (Attachment D of the Work Plan) as discussed below.

2 PRE-CONSTRUCTION INVESTIGATION FIELD WORK

The pre-construction investigation was conducted at Building 710 (330 Link) between May 14 and 15, 2020, as described below. Photographs documenting the investigation are provided as **Appendix B**.

2.1 Interior Inspection, Location Selection and Clearance

Walden performed a pre-sampling interior inspection on May 14th to identify potential vapor intrusion pathways and to evaluate the proposed sub-slab and indoor air sampling locations. The Building was inspected to evaluate the physical layout and to identify conditions or materials stored and/or used that could affect or interfere with the sampling or interpretation of the sampling results. Consideration was given to factors such as access for installation and sampling purposes, foundation/floor slab installation and conditions, and utility layout/breaches. The heating/ventilation/mechanical systems were not fully operational at the time of the sampling. No chemicals were observed being used or stored in the Building that would impact air sampling results. Refer to the photographs presented in **Appendix B** for the site conditions during sampling.

Ground penetrating radar (GPR) surveys were performed on May 12th by Delta Geophysics to clear each of the selected sub-slab sampling locations to them of any underground utilities or structures prior to breaching the concrete slab.

2.2 Sampling Locations

The pre-construction investigation samples were collected from the general locations shown in the NYSDEC-approved Work Plan, based on discussions with NYSDEC and NYSDOH. The actual sampling locations were determined on May 14h following the Building 710 (330 Link) inspection and cleared based on the private utility mark-out and physical access considerations. Refer to **Figure 2** for the sub-slab soil sampling locations and **Figure 3** for the sub-slab soil vapor and indoor air sampling locations.

Temporary sub-slab vapor sampling points were placed in locations with minimal potential for ambient air infiltration from floor penetrations such as cracks, floor drains, utility perforations, sumps, etc. Sub-slab vapor sampling points were located away from drains, sumps, etc. to the extent possible.

Sub-slab soil samples were collected at five distinct locations on May 14th (see **Figure 2**). All samples were collected at an interval of 1-2' below the slab, except for SS-5 which was collected at 3-4' feet below the slab.

On May 15th, sub-slab vapor and indoor air samples were collected concurrently from seven (7) locations within Building 710 (330 Link) (see **Figure 3**), as follows:

- Northern portion of La Milpa space (near proposed trenching area)
  - Sub-slab location SSV-01 and its corresponding indoor air sample, IA-01
  - Sub-slab location SSV-02 and its corresponding indoor air sample, IA-02
  - Sub-slab location SSV-03 and its corresponding indoor air sample, IA-03
- Central portion of La Milpa space
  - Sub-slab location SSV-04 and its corresponding indoor air sample, IA-04
  - Sub-slab location SSV-05 and its corresponding indoor air sample, IA-05
  - Sub-slab location SSV-07 and its corresponding indoor air sample, IA-07
- Southern portion of La Milpa space (adjacent to loading dock)
  - Sub-slab location SSV-06 and its corresponding indoor air sample, IA-06

In addition, an outdoor air sample (AA-1) was collected at an upwind location to the west of the La Milpa space to determine representative background conditions at the Site.

2.3 CAMP Monitoring

The Community Air Monitoring Program (CAMP) (Attachment D of the Work Plan) was implemented during sampling work involving intrusive activities, which included sub-slab soil sampling and the installation of the temporary sub-slab soil vapor points. Because these activities were performed inside the building, the CAMP included special requirements for monitoring to ensure that tenants occupying other spaces in Building 710 (330 Link) were not exposed from VOC and particulates released during the La Milpa sampling work, which shall be discussed below.

The entire La Milpa space is located in Heating Ventilation and Air Conditioning Zone 60, which also serves other portions of the building adjacent to the La Milpa space. The HVAC system was not fully operational during the pre-construction sampling on May 14th and 15th. Background VOC and dust concentrations were measured in the work area and other tenant-occupied spaces in Building 710 (330 Link) (including the second-floor Global Foundries Cafeteria) prior to the pre-construction sampling work. In addition, the location of all exhaust vents in the La Milpa space and their discharge points, as well as potential vapor pathways (openings, conduits, etc.) relative to adjoining rooms were evaluated. There were no unusual background readings.

Two (2) CAMP air monitoring stations were set up as shown on **Figure 3**; CAMP-1 was located outside the north entrance to the La Milpa space and CAMP-2 was located outside the south entrance, near the loading dock area. Each CAMP station had a dedicated Mini Rae 3000 Photo-ionization detector (PID) and TSI Dusttrak 8530 (Dust meter) which logged TWA data at 15-minute intervals prior to, during, and after the completion of the pre-construction work on May 14th. The air monitoring sheets and the PID/Dust meter data are included as **Appendix C**. The CAMP results showed no impacts (dust or elevated VOCs) during the intrusive sampling activities on May 14th.

2.4 Sub-slab Sampling Points Installation

Temporary sub-slab soil vapor sampling points were installed on May 14th in accordance with the Work Plan. At each location, a small diameter hole (approximately one inch) was drilled through the concrete floor slab and into sub-slab material approximately two (2) inches below the bottom of the floor slab. Concrete and soil cuttings were removed from the hole. Inert ¼-inch polyethylene tubing was installed no further than two (2) inches into the sub-slab material. The hole surrounding the tubing was sealed with coarse sand and hydraulic cement in accordance with the NYSDOH *Soil Vapor Intrusion Guidance, Section 2.7.2, Paragraph B.*

2.5 Sample Collection

2.5.1 Soil Sampling

Sub-slab soil samples were collected from five (5) locations (distinct from the soil vapor and indoor air sampling locations) as described in the Work Plan and shown on **Figure 2**. One (1) soil sample was collected from each of these locations on May 14th.

An approximately (1) inch diameter concrete drill was utilized to drill through the slab into the soil in the location of the sub-slab soil sampling locations. A macrocore was then hammered into the sub-slab soil to collect soil from the desired intervals described above. The slab thickness was 6" at all sample locations. Soil descriptions, photoionization detector (PID) measurements and observations were logged in a project dedicated field book by Walden field staff. Excess soils removed from each core location were placed back in the borehole before moving on to the next location. Groundwater was not encountered during the soil sampling.

Soil samples were labeled with the Site name, Walden job number, sample location and identification, date, time, sampler's initials, and the parameter(s) for analysis. The samples were transported to the laboratory in such a manner as to avoid container damage during transportation and to minimize the possibility of cross-contamination. The samples were delivered via courier under the appropriate Chain-of-Custody protocol.

2.5.2 Indoor Air and Sub-slab Soil Vapor Sampling

Sub-slab vapor, indoor air and outdoor air samples were collected over an 8-hour period in laboratory provided and individually certified clean 6-liter Summa® canisters with individually certified regulators, as described in the Work Plan. The samples were collected between roughly 8:00 AM and 5:00 PM on May 15th, 2020.

Summa® canisters were placed adjacent to each of the seven (7) temporary sub-slab soil vapor sampling points (SSIA-01, SSIA-02, SSIA-03, SSIA-04, SSIA-05, SSIA-06, and SSIA-07) and connected to the polyethylene tubing. Seven (7) Summa® canisters were placed adjacent to the temporary sub-slab sampling points for indoor air sampling (IA-01, IA-02, IA-03, IA-04, IA-05, IA-06, and IA-07). The outdoor air sample (AA-1) Summa® canister was placed in an upwind location west of Building 710 (330 Link) to collect background data. Refer to **Figure 3** for the sampling locations. The indoor air samples were collected at a height of approximately two-and-a-half (2.5) feet above the floor to better represent breathing zones, per NYSDOH Guidance. Similarly, the outdoor air sample was collected at a height of approximately three (3) feet above the ground.

Prior to and immediately after sampling at each point, a pressure gauge was used to check each Summa® canister for vacuum, and the vacuum pressure was recorded. A regulator was used to keep flow rates during purging and sampling during the 8-hour sampling period below 0.2 liters per minute, as specified by the NYSDOH SVI guidance.

After the sampling was completed, the Summa® canisters were labeled with the Site name, the Walden job number, sample location and identification, date, time, sampler's initials, and the parameter(s) for analysis. The samples were delivered to the laboratory via courier under the appropriate Chain-of-Custody protocol.

2.6 Sample Analysis and Reporting

The Summa® canisters and soil samples were submitted to Phoenix Environmental Laboratories, Inc. of Manchester, CT, a NYSDOH ELAP certified laboratory, for analysis. The sub-slab soil samples were analyzed for VOCs via EPA Method 8260, semi-volatile organic compounds (SVOCs) via EPA Method 8270 and metals via EPA Method 6010C. The soil vapor and air samples were analyzed for VOCs via modified USEPA Method TO-15 as specified in the June 2009 *RFI Work Plan* to achieve lower reporting limits via selective ion monitoring for TCE, vinyl chloride and carbon tetrachloride.

Expedited laboratory analysis was requested on behalf of iPark in order to move forward with modifications to the La Milpa space as soon as possible.

3 EVALUATION OF SAMPLING RESULTS

Walden reviewed the pre-construction investigation results and compared them to standards and guidance established by NYSDEC and NYSDOH. The May 2020 pre-construction analytical data are summarized in **Tables 1 through 5** as follows:

- **Table 1** summarizes the sub-slab vapor and air sample collection details
- **Table 2** summarizes the sub-slab vapor and air sampling results
- **Tables 3, 4 and 5** summarize the sub-slab soil sample VOC, SVOC and metals results, respectively

Copies of the laboratory analytical reports are attached as **Appendix D**.

3.1 Sub-slab Vapor and Indoor Air Sampling Results

The sub-slab soil vapor and 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**. The State of New York does not have any standards, criteria or guidance values for concentrations of volatile chemicals in subsurface vapors, so the sub-slab vapor concentrations cannot be compared to any regulatory threshold values. However, the sub-slab vapor concentrations factor into the decision matrices contained in the SVI guidance.

For analytes that do not have AGVs and are not considered in the NYSDOH SVI decision matrices, the NYSDOH SVI guidance Appendix C (*Volatile Organic Chemicals in Air – Summary of Background Databases*) was referenced for typical indoor and outdoor background concentrations of these compounds published in USEPA's 2001 Building Assessment and Survey Evaluation (BASE) database. The 90th percentile BASE concentrations for indoor and outdoor air samples are included in **Table 2** for comparison.

- The VOC concentrations reported for the indoor air samples collected in the La Milpa space (IA-01, IA-02, IA-03, IA-04, IA-05, IA-06, and IA-07) 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 pre-construction sampling results confirmed acceptable indoor air quality in the La Milpa space.

- The sub-slab vapor results at some of the sampling locations indicate that subsurface materials beneath the La Milpa space in Building 710 (330 Link) contain vapor phase concentrations of several VOCs, including TCE, PCE, acetone and Freon® compounds [Freon-11 (trichlorofluoromethane), Freon-113 (trichlorotrifluoroethane) and Freon-12 (dichlorodifluoromethane)] which are higher than the concentrations detected in the corresponding indoor air samples.

    - The sub-slab vapor PCE and TCE concentrations detected at one location (SS-06) exceeded the NYSDOH decision matrix threshold values recommending mitigation. However, TCE was not detected in the indoor air sample at this location, and the indoor air PCE concentration was less than the corresponding BASE indoor and outdoor air background concentrations.
        - The sub-slab vapor PCE and TCE concentrations detected during the pre-construction sampling are three to four orders of magnitude less than the corresponding OSHA Permissible Exposure Levels (PELs, 8-hour time weighted average) (170,000 ug/m3 PCE and 270,000 ug/m3 TCE).

    - Freon® compounds are associated with historic site operations and were reportedly used as a refrigerant and solvent in IBM processes. Freon® was detected in sub-slab vapors beneath Building 710 (330 Link) during sampling conducted on behalf of IBM in 2016.
        - The concentrations of the Freon® compounds reported in the indoor air samples collected concurrent with the sub-slab soil vapor samples collected in the La Milpa space were consistent with the BASE indoor and outdoor background concentrations and ambient air quality recorded during the sampling.
        - The sub-slab vapor Freon® concentrations detected during the pre-construction sampling are three orders of magnitude less than the corresponding OSHA PELs (5,600,000 ug/m3 Freon-11, 7,600,000 ug/m3 Freon-113 and 4,950,000 ug/m3 Freon-12).

- The sub-slab soil sampling results discussed below did not indicate an apparent source of the vapor phase VOC concentrations reported in the sub-slab vapor samples.

3.2 Sub-slab Soil Sampling Results

The laboratory analytical data for the sub-slab soil samples collected beneath the La Milpa industrial use space were compared to the NYCRR Part 375-6.8(b) Soil Cleanup Objectives (SCOs) for various categories ranging from unrestricted to residential and commercial use, as shown in **Tables 3 through 5**.

- No VOCs or SVOCs were detected in any of the soil samples.
- All of the metals concentrations were less than the unrestricted use SCOs, except for the manganese concentration in sample SSV-1, which was slightly above the unrestricted use SCO but less than the residential use SCO.

4 CONCLUSIONS & RECOMMENDATIONS

4.1 Conclusions

The VOC concentrations in all of the pre-construction indoor air samples collected in Building 710 (330 Link) were consistent with USEPA-published indoor air background concentrations and ambient air quality recorded during the sampling. Thus, the sampling confirmed that indoor air quality in the La Milpa space is acceptable.

Although the sub-slab soil vapor sampling results indicated elevated vapor concentrations beneath Building 710 (330 Link) for certain VOCs when compared to the reported indoor air concentrations, the sub-slab levels are three to four orders of magnitude less than the corresponding OSHA Permissible Exposure Levels.

Given the planned industrial use, acceptable indoor air quality confirmed by the pre-construction sampling, and the low toxicity of the VOC concentrations detected in sub-slab vapor samples (via inhalation exposure, as compared to the respective OSHA PELs), there is no significant potential for soil vapor intrusion impacts in the La Milpa space.

The sub-slab soil sample results indicate that the soils beneath the building meet the NYCRR Part 375-6.8(b) unrestricted use SCOs, except for the concentration of one metal at location SS-1, where the concentration was slightly above the unrestricted use SCO but less than the residential use SCO. The laboratory analytical results for these soil samples confirm that soil removed during the trenching and floor drain installation work in the La Milpa space is suitable for use in backfilling the trenches or for transfer to Lot 3 where it will be stockpiled for future re-use on-site. No additional soil samples will be collected for laboratory analysis unless evidence of impacted soil is observed during the intrusive construction work (based on CAMP and HASP air monitoring and visual/olfactory evidence), in which case Walden will inform NYSDEC and NYSDOH.

The CAMP results showed no impacts (dust or elevated VOCs) during the intrusive sampling activities on May 14th.

4.2 Recommendations

The following actions are recommended for the Building 710 (330 Link) La Milpa space based on the May 2020 pre-construction investigation results:

- Once construction in the La Milpa space is completed for the industrial use, the floors are sealed and the HVAC system is operating under normal facility conditions, perform indoor air sampling prior to tenant occupancy to confirm that indoor air quality is acceptable. The indoor air sampling locations shall be presented to NYSDEC and NYSDOH for approval prior to this pre-occupancy testing.
- Soil removed during the trenching and floor drain installation work in the La Milpa space shall be used in backfilling the trenches or for transfer to Lot 3 where it will be stockpiled for future re-use on-site.

TABLES

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

TABLE 1
SUMMARY OF INDOOR AIR SAMPLE INFORMATION
BUILDING 710 (330 Link) La Milpa De Rosa Space
May 15, 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-01	Ground	Indoor Air	28613	6995	2.5	8:37	-29	0.0	1635	-3	75	Inside entrance from lobby	None observed
SSIA-01	Ground	Sub Slab Soil	12860	7425	2.5	8:40	-30	0.0	1703	-4	75	Inside entrance from lobby	None observed
IA-02	Ground	Indoor Air	23341	7020	2.5	8:47	-30	0.0	1705	-4	75	Sinks area	None observed
SSIA-02	Ground	Sub Slab Soil	230	4490	2.5	8:45	-30	0.0	1707	-4	75	Sinks area	None observed
IA-03	Ground	Indoor Air	12854	5614	2.5	8:24	-30	0.0	1637	-3	75	Conveyor Area	None observed
SSIA-03	Ground	Sub Slab Soil	13640	5041	2.5	8:28	-30	0.0	1635	-3	75	Conveyor Area	None observed
IA-04	Ground	Indoor Air	28578	7015	2.5	8:09	-28	0.0	1544	-3	75	Production Area	None observed
SSIA-04	Ground	Sub Slab Soil	19835	7016	2.5	8:12	-30	0.0	1632	-2	75	Production Area	None observed
IA-05	Ground	Indoor Air	492	6990	2.5	8:05	-29	0.0	1625	-3	75	Production Area	None observed
SSIA-05	Ground	Sub Slab Soil	4974	7040	2.5	8:03	-29	0.0	1627	-3	75	Production Area	None observed
IA-06	Ground	Indoor Air	455	5043	2.5	7:55	-30	0.0	1530	-3	75	Near Walk-In Box	None observed
SSIA-06	Ground	Sub Slab Soil	11289	6976	2.5	7:56	-26	0.0	1506	-1	75	Near Walk-In Box	None observed
IA-07	Ground	Indoor Air	19969	3258	2.5	8:22	-30	0.0	1642	-4	75	Office	None observed
SSIA-07	Ground	Sub Slab Soil	19930	5394	2.5	8:19	-30	0.0	1640	-3	75	Office	None observed
AA-01	Picnic Table West End	Ambient Air	23352	3409	3	8:58	-30	0.0	1649	-5	80	Picnic Table Outside Entrance	None observed

iPARK 84 CAMPUS
BUILDING 339
2070 NY ROUTE 52
HOPEWELL JUNCTION, NY

TABLE 2
SUMMARY OF SUB-SLAB, INDOOR AND OUTDOOR AIR SAMPLING RESULTS
May 15, 2020

					Northern Portion (Proposed Trench Area)											
Analyte	**CAS #**	**NYSDOH Air Guideline Value**	**USEPA BASE Indoor Air 90th Percentile Concentration**	**USEPA BASE Outdoor Air 90th Percentile Concentration**	**Sub-slab Vapor Concentration**		**Indoor Air Concentration**		**Sub-slab Vapor Concentration**		**Indoor Air Concentration**		**Sub-slab Vapor Concentration**		**Indoor Air Concentration**	
					SSV-01	**Q**	**IA-01**	**Q**	**SSV-02**	**Q**	**IA-02**	**Q**	**SSV-03**	**Q**	**IA-03**	**Q**
Acetone	67-64-1		98.9	43.7	**12.1**		**16.4**		**32**		**14.1**		**231**		**17.9**	
1,1,1-Trichloroethane	71-55-6		20.6	2.6	< 1.09	U	< 1.09	U	**2.43**		< 1.09	U	< 1.09	U	< 1.09	U
1,1-Dichloroethene	75-35-4		< 1.4	< 1.4	< 0.40	U	< 0.40	U	< 0.40	U	< 0.40	U	< 0.40	U	< 0.40	U
1,2,4-Trichlorobenzene	120-82-1		< 6.8	< 6.4	< 1.85	U	< 1.85	U	< 1.85	U	< 1.85	U	< 1.85	U	< 1.85	U
1,2-Dichlorobenzene	95-50-1		< 1.2	< 1.2	< 0.90	U	< 0.90	U	< 0.90	U	< 0.90	U	< 0.90	U	< 0.90	U
1,3-Dichlorobenzene	541-73-1		< 2.4	< 2.2	< 0.90	U	< 0.90	U	< 0.90	U	< 0.90	U	< 0.90	U	< 0.90	U
1,4-Dichlorobenzene	106-46-7		5.5	1.2	< 0.90	U	< 0.90	U	< 0.90	U	< 0.90	U	< 0.90	U	< 0.90	U
Benzene	71-43-2		9.4	6.6	**0.35**		**0.42**		**0.68**		**0.45**		**1.01**		**0.39**	
Carbon Tetrachloride	56-23-5		< 1.3	0.7	**0.16**		**0.41**		**4.45**		**0.4**		**0.4**		**0.43**	
Chlorobenzene	108-90-7		< 0.9	< 0.8	< 0.92	U	< 0.92	U	< 0.92	U	< 0.92	U	< 0.92	U	< 0.92	U
Cis-1,2-Dichloroethene	156-59-2		< 1.9	< 1.8	< 0.79	U	< 0.79	U	< 0.79	U	< 0.79	U	< 0.79	U	< 0.79	U
Dichlorodifluoromethane	75-71-8		16.5	8.1	**59.8**		**1.78**		**117**		**1.71**		**2.09**		**1.71**	
Ethylbenzene	100-41-4		5.7	3.5	**0.73**		< 0.65	U	**2.83**		< 0.65	U	**0.98**		**2.37**	
m,p-Xylene	179601-23-1		22.2	12.8	**3.77**		< 0.65	U	**14.9**		**0.66**		**2.69**		**9.94**	
Methylene Chloride	75-09-2	60	10	6.1	< 1.39	U	< 1.39	U	< 1.39	U	< 1.39	U	< 1.39	U	**3.39**	
o-Xylene	95-47-6		7.9	4.6	**1.34**		< 0.65	U	**4.56**		< 0.65	U	**1.45**		**2.46**	
Tetrachloroethene	127-18-4	30	15.9	6.5	**75.9**		**1.67**		**12.9**		**1.66**		**13.8**		**1.36**	
Toluene	108-88-3		43	33.7	< 0.75	U	**0.93**		**1.07**		**0.92**		**5.95**		**0.93**	
Trichloroethene	79-01-6	2	4.2	1.3	**0.46**		< 0.20	U	**1.33**		< 0.20	U	**1.48**		< 0.20	U
Trichlorofluoromethane	75-69-4		18.1	4.3	**3.5**		**2.05**		**60100**		**1.95**		**3.97**		**2.24**	
Trichlorotrifluoroethane	76-13-1		3.5	1.6	**74.2**		< 1.15	U	**715**		**2.11**		**47.3**		< 1.15	U
Vinyl Chloride	75-01-4		< 1.9	< 1.8	< 0.05	U	< 0.05	U	< 0.05	U	< 0.05	U	< 0.05	U	< 0.05	U

Notes:
Concentrations are provided in micrograms per cubic meter ($\mu g/m^3$).
Q - Qualifier
Highlighted analytes are included in the NYSDOH Decision Matrices.
Bold concentrations indicate results detected above method detection limits (MDLs).
U - The compound was anlayzed for but not detected at or above the MDL. The number immediately preceding the "U" represents the pratical quantitation reporting level corrected for percent solids, weight and/or volume calculations, and dilution factors.

iPARK 84 CAMPUS
BUILDING 339
2070 NY ROUTE 52
HOPEWELL JUNCTION, NY

TABLE 2
SUMMARY OF SUB-SLAB, INDOOR AND OUTDOOR AIR SAMPLING RESULTS
May 15, 2020

					Central Portion									
Analyte	**CAS #**	**NYSDOH Air Guideline Value**	**USEPA BASE Indoor Air 90th Percentile Concentration**	**USEPA BASE Outdoor Air 90th Percentile Concentration**	**Sub-slab Vapor Concentration**		**Indoor Air Concentration**		**Sub-slab Vapor Concentration**		**Indoor Air Concentration**		**Sub-slab Vapor Concentration**		**Indoor Air Concentration**	
					SSV-04	**Q**	**IA-04**	**Q**	**SSV-05**	**Q**	**IA-05**	**Q**	**SSV-07**	**Q**	**IA-07**	**Q**
Acetone	67-64-1		98.9	43.7	**49.1**		**16.5**		**132**		**17.4**		**11.3**		**16.2**	
1,1,1-Trichloroethane	71-55-6		20.6	2.6	< 1.09	U	< 1.09	U	< 1.09	U	< 1.09	U	< 1.09	U	< 1.09	U
1,1-Dichloroethene	75-35-4		< 1.4	< 1.4	< 0.40	U	< 0.40	U	< 0.40	U	< 0.40	U	< 0.40	U	< 0.40	U
1,2,4-Trichlorobenzene	120-82-1		< 6.8	< 6.4	< 1.85	U	< 1.85	U	< 1.85	U	< 1.85	U	< 1.85	U	< 1.85	U
1,2-Dichlorobenzene	95-50-1		< 1.2	< 1.2	< 0.90	U	< 0.90	U	< 0.90	U	< 0.90	U	< 0.90	U	< 0.90	U
1,3-Dichlorobenzene	541-73-1		< 2.4	< 2.2	< 0.90	U	< 0.90	U	< 0.90	U	< 0.90	U	< 0.90	U	< 0.90	U
1,4-Dichlorobenzene	106-46-7		5.5	1.2	< 0.90	U	< 0.90	U	< 0.90	U	< 0.90	U	< 0.90	U	< 0.90	U
Benzene	71-43-2		9.4	6.6	**0.85**		**0.45**		**0.62**		**0.45**		**0.57**		**0.43**	
Carbon Tetrachloride	56-23-5		< 1.3	0.7	**0.38**		**0.42**		**0.31**		**0.4**		**0.21**		**0.41**	
Chlorobenzene	108-90-7		< 0.9	< 0.8	< 0.92	U	< 0.92	U	< 0.92	U	< 0.92	U	< 0.92	U	< 0.92	U
Cis-1,2-Dichloroethene	156-59-2		< 1.9	< 1.8	< 0.79	U	< 0.79	U	< 0.79	U	< 0.79	U	< 0.79	U	< 0.79	U
Dichlorodifluoromethane	75-71-8		16.5	8.1	**23**		**1.81**		**9.64**		**1.85**		**14.8**		**1.82**	
Ethylbenzene	100-41-4		5.7	3.5	< 0.65	U	< 0.65	U	< 0.65	U	< 0.65	U	< 0.65	U	< 0.65	U
m,p-Xylene	179601-23-1		22.2	12.8	**1.68**		**0.89**		**1.68**		**2.2**		**1.77**		**0.67**	
Methylene Chloride	75-09-2	60	10	6.1	< 1.39	U	< 1.39	U	< 1.39	U	< 1.39	U	< 1.39	U	< 1.39	U
o-Xylene	95-47-6		7.9	4.6	**0.73**		< 0.65	U	**0.95**		< 0.65	U	**0.71**		< 0.65	U
Tetrachloroethene	127-18-4	30	15.9	6.5	**21.6**		**1.82**		**19.8**		**1.71**		**6.08**		**1.67**	
Toluene	108-88-3		43	33.7	< 0.75	U	**1.4**		< 0.75	U	**1.26**		< 0.75	U	**1.5**	
Trichloroethene	79-01-6	2	4.2	1.3	**2.41**		< 0.20	U	**0.23**		< 0.20	U	**2.49**		< 0.20	U
Trichlorofluoromethane	75-69-4		18.1	4.3	**170**		**2.02**		**70.2**		**1.94**		**5.95**		**2**	
Trichlorotrifluoroethane	76-13-1		3.5	1.6	**35800**		**1.19**		**18200**		**1.17**		**48000**		**1.25**	
Vinyl Chloride	75-01-4		< 1.9	< 1.8	< 0.05	U	< 0.05	U	< 0.05	U	< 0.05	U	< 0.05	U	< 0.05	U

Notes:
Concentrations are provided in micrograms per cubic meter ($\mu g/m^3$).
Q - Qualifier
Highlighted analytes are included in the NYSDOH Decision Matrices.
Bold concentrations indicate results detected above method detection limits (MDLs).
U - The compound was anlayzed for but not detected at or above the MDL. The number immediately preceding the
corrected for percent solids, weight and/or volume calculations, and dilution factors.

iPARK 84 CAMPUS
BUILDING 339
2070 NY ROUTE 52
HOPEWELL JUNCTION, NY

TABLE 2
SUMMARY OF SUB-SLAB, INDOOR AND OUTDOOR AIR SAMPLING RESULTS
May 15, 2020

					Southern Portion				Outdoor Air	
Analyte	**CAS #**	**NYSDOH Air Guideline Value**	**USEPA BASE Indoor Air 90th Percentile Concentration**	**USEPA BASE Outdoor Air 90th Percentile Concentration**	**Sub-slab Vapor Concentration**		**Indoor Air Concentration**		**Upwind Analysis**	
					SS-06	**Q**	**IA-06**	**Q**	**AA-01**	**Q**
Acetone	67-64-1		98.9	43.7	**14.1**		**16.7**		**5.86**	
1,1,1-Trichloroethane	71-55-6		20.6	2.6	< 1.09	U	< 1.09	U	< 1.09	U
1,1-Dichloroethene	75-35-4		< 1.4	< 1.4	< 0.40	U	< 0.40	U	< 0.40	U
1,2,4-Trichlorobenzene	120-82-1		< 6.8	< 6.4	< 1.85	U	< 1.85	U	< 1.85	U
1,2-Dichlorobenzene	95-50-1		< 1.2	< 1.2	< 0.90	U	< 0.90	U	< 0.90	U
1,3-Dichlorobenzene	541-73-1		< 2.4	< 2.2	< 0.90	U	< 0.90	U	< 0.90	U
1,4-Dichlorobenzene	106-46-7		5.5	1.2	< 0.90	U	< 0.90	U	< 0.90	U
Benzene	71-43-2		9.4	6.6	**0.48**		**0.44**		**0.39**	
Carbon Tetrachloride	56-23-5		< 1.3	0.7	**0.31**		**0.41**		**0.41**	
Chlorobenzene	108-90-7		< 0.9	< 0.8	< 0.92	U	< 0.92	U	< 0.92	U
Cis-1,2-Dichloroethene	156-59-2		< 1.9	< 1.8	**43.6**		< 0.79	U	< 0.79	U
Dichlorodifluoromethane	75-71-8		16.5	8.1	**3.06**		**1.87**		**1.74**	
Ethylbenzene	100-41-4		5.7	3.5	< 0.65	U	< 0.65	U	< 0.65	U
m,p-Xylene	179601-23-1		22.2	12.8	**1.42**		**0.67**		< 0.65	U
Methylene Chloride	75-09-2	60	10	6.1	< 1.39	U	< 1.39	U	< 1.39	U
o-Xylene	95-47-6		7.9	4.6	< 0.65	U	< 0.65	U	< 0.65	U
Tetrachloroethene	127-18-4	30	15.9	6.5	**1400**		**1.75**		< 0.68	U
Toluene	108-88-3		43	33.7	< 0.75	U	**1.37**		**0.84**	
Trichloroethene	79-01-6	2	4.2	1.3	**115**		< 0.20	U	< 0.20	U
Trichlorofluoromethane	75-69-4		18.1	4.3	**2.51**		**2.14**		**1.29**	
Trichlorotrifluoroethane	76-13-1		3.5	1.6	**303**		< 1.15	U	**1.16**	
Vinyl Chloride	75-01-4		< 1.9	< 1.8	< 0.05	U	< 0.05	U	< 0.05	U

Notes:
Concentrations are provided in micrograms per cubic meter ($\mu g/m^3$).
Q - Qualifier
Highlighted analytes are included in the NYSDOH Decision Matrices.
Bold concentrations indicate results detected above method detection limits (MDLs).
U - The compound was anlayzed for but not detected at or above the MDL. The number immediately preceding the corrected for percent solids, weight and/or volume calculations, and dilution factors.

iPARK 84 CAMPUS
BUILDING 339
2070 NY ROUTE 52
HOPEWELL JUNCTION, NY

TABLE 3
SUMMARY OF SOIL SAMPLING RESULTS - VOCs ONLY

				Collection Date	5/14/2020		5/14/2020		5/14/2020		5/14/2020		5/14/2020	
				Sample ID	SS-1 (1'-2')		SS-2 (1'-2')		SS-3 (1'-2')		SS-4 (1'-2')		SS-5 (3'-4')	
				Matrix	Soil		Soil		Soil		Soil		Soil	
		NYCRR Part 375 SCOs												
	CAS	**Commercial Use Soil Cleanup Objective**	**Residential Use Soil Cleanup Objective**	**Unrestricted Use Soil Cleanup Objective**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Volatiles By SW8260C														
1,1,1,2-Tetrachloroethane	630-20-6				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
1,1,1-Trichloroethane	71-55-6	500,000	100,000	680	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
1,1,2,2-Tetrachloroethane	79-34-5				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
1,1,2-Trichloroethane	79-00-5				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
1,1-Dichloroethane	75-34-3	240,000	19,000	270	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
1,1-Dichloroethene	75-35-4	500,000	100,000	330	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
1,1-Dichloropropene	563-58-6				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
1,2,3-Trichlorobenzene	87-61-6				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
1,2,3-Trichloropropane	96-18-4				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
1,2,4-Trichlorobenzene	120-82-1				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
1,2,4-Trimethylbenzene	95-63-6	190,000	47,000	3,600	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
1,2-Dibromo-3-chloropropane	96-12-8				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
1,2-Dibromoethane	106-93-4				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
1,2-Dichlorobenzene	95-50-1	500,000	100,000	1,100	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
1,2-Dichloroethane	107-06-2	30,000	2,300	20	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
1,2-Dichloropropane	78-87-5				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
1,3,5-Trimethylbenzene	108-67-8	190,000	47,000	8,400	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
1,3-Dichlorobenzene	541-73-1	280,000	17,000	2,400	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
1,3-Dichloropropane	142-28-9				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
1,4-Dichlorobenzene	106-46-7	130,000	9,800	1,800	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
2,2-Dichloropropane	594-20-7				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
2-Chlorotoluene	95-49-8				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
2-Hexanone	591-78-6				< 29	U	< 17	U	< 23	U	< 28	U	< 33	U
2-Isopropyltoluene	527-84-4				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
4-Chlorotoluene	106-43-4				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
4-Methyl-2-pentanone	108-10-1				< 29	U	< 17	U	< 23	U	< 28	U	< 33	U
Acetone	67-64-1	500,000	100,000	50	< 29	S	< 17	JS	< 23	JS	< 28	U	< 33	U
Acrylonitrile	107-13-1				< 12	U	< 6.7	U	< 9.4	U	< 11	U	< 13	U
Benzene	71-43-2	44,000	2,900	60	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
Bromobenzene	108-86-1				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
Bromochloromethane	74-97-5				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
Bromodichloromethane	75-27-4				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
Bromoform	75-25-2				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
Bromomethane	74-83-9				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
Carbon Disulfide	75-15-0				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
Carbon tetrachloride	56-23-5	22,000	1,400	760	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
Chlorobenzene	108-90-7	500,000	100,000	1,100	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U

iPARK 84 CAMPUS
BUILDING 339
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HOPEWELL JUNCTION, NY

TABLE 3
SUMMARY OF SOIL SAMPLING RESULTS - VOCs ONLY

				Collection Date	5/14/2020		5/14/2020		5/14/2020		5/14/2020		5/14/2020	
				Sample ID	SS-1 (1'-2')		SS-2 (1'-2')		SS-3 (1'-2')		SS-4 (1'-2')		SS-5 (3'-4')	
				Matrix	Soil		Soil		Soil		Soil		Soil	
		NYCRR Part 375 SCOs												
	CAS	**Commercial Use Soil Cleanup Objective**	**Residential Use Soil Cleanup Objective**	**Unrestricted Use Soil Cleanup Objective**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Chloroethane	75-00-3				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
Chloroform	67-66-3	350,000	10,000	370	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
Chloromethane	74-87-3				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
cis-1,2-Dichloroethene	156-59-2	500,000	59,000	250	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
cis-1,3-Dichloropropene	10061-01-5				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
Dibromochloromethane	124-48-1				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
Dibromomethane	74-95-3				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
Dichlorodifluoromethane	75-71-8				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
Ethylbenzene	100-41-4	390,000	30,000	1,000	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
Hexachlorobutadiene	87-68-3				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
Isopropylbenzene	98-82-8				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
m&p-Xylene	179601-23-1				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	J
Methyl Ethyl Ketone	78-93-3	500,000	100,000	120	< 29	U	< 17	U	< 23	U	< 28	U	< 33	U
Methyl t-butyl ether (MTBE)	1634-04-4	500,000	62,000	930	< 12	U	< 6.7	U	< 9.4	U	< 11	U	< 13	U
Methylene chloride	75-09-2	500,000	51,000	50	< 12	U	< 6.7	U	< 9.4	U	< 11	U	< 13	U
Naphthalene	91-20-3	500,000	100,000	12,000	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
n-Butylbenzene	104-51-8	500,000	100,000	12,000	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
n-Propylbenzene	103-65-1	500,000	100,000	3,900	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
o-Xylene	95-47-6				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
p-Isopropyltoluene	99-87-6				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
sec-Butylbenzene	135-98-8	500,000	100,000	11,000	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
Styrene	100-42-5				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
tert-Butylbenzene	98-06-6	500,000	100,000	5,900	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
Tetrachloroethene	127-18-4	150,000	5,500	1,300	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	J
Tetrahydrofuran (THF)	109-99-9				< 12	U	< 6.7	U	< 9.4	U	< 11	U	< 13	U
Toluene	108-88-3	500,000	100,000	700	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
trans-1,2-Dichloroethene	156-60-5	500,000	100,000	190	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
trans-1,3-Dichloropropene	10061-02-6				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
trans-1,4-dichloro-2-butene	110-57-6				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
Trichloroethene	79-01-6	200,000	10,000	470	< 12	U	< 6.7	U	< 9.4	U	< 11	U	< 13	U
Trichlorofluoromethane	75-69-4				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
Trichlorotrifluoroethane	76-13-1				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
Vinyl chloride	75-01-4	13,000	210	20	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U

Notes:
Concentrations are provided in micrograms per kilogram (µg/Kg).
U - The compound was anlayzed for but not detected at or above the Method Detection Limit (MDL). The number immediately preceding the "U" represents the Practical Quantitation Level (PQL) corrected for percent solids, weight and/or volume calculations, and dilution factors.
Bold results indicate those detected above MDLs.
Highlighted results indicate those detected above Unrestricted Use Soil Cleanup Objectives.
J - The value is estimated. This flag is used (a) on form 1 when the compound is reported above the MDL, but below the PQL, and (b) on the Tentatively Identified Compounds (TIC) form for all compounds identified.
S - This compound is a solvent that is used in the laboratory. Laboratory contamination is suspected if concentration is less than five times the reporting level.

iPARK 84 CAMPUS
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TABLE 4
SUMMARY OF SOIL SAMPLING RESULTS - SVOCs ONLY

					Collection Date	5/14/2020		5/14/2020		5/14/2020		5/14/2020		5/14/2020	
					Sample ID	SS-1 (1'-2')		SS-2 (1'-2')		SS-3 (1'-2')		SS-4 (1'-2')		SS-5 (3'-4')	
					Matrix	Soil		Soil		Soil		Soil		Soil	
		NYCRR Part 375 SCOs													
	CAS	**Commercial Use Soil Cleanup Objective**	**Residential Use Soil Cleanup Objective**	**Unrestricted Use Soil Cleanup Objective**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Semivolatiles By SW8270D															
1,2,4,5-Tetrachlorobenzene	95-94-3				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
1,2,4-Trichlorobenzene	120-82-1				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
1,2-Dichlorobenzene	95-50-1	500,000	100,000	1,100	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
1,2-Diphenylhydrazine	122-66-7				< 340	U	< 350	U	< 340	U	< 340	U	< 350	U
1,3-Dichlorobenzene	541-73-1	280,000	17,000	2,400	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
1,4-Dichlorobenzene	106-46-7	130,000	9,800	1,800	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
2,4,5-Trichlorophenol	95-95-4				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
2,4,6-Trichlorophenol	88-06-2				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
2,4-Dichlorophenol	120-83-2				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
2,4-Dimethylphenol	105-67-9				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
2,4-Dinitrophenol	51-28-5				< 340	U	< 350	U	< 340	U	< 340	U	< 350	U
2,4-Dinitrotoluene	121-14-2				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
2,6-Dinitrotoluene	606-20-2				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
2-Chloronaphthalene	91-58-7				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
2-Chlorophenol	95-57-8				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
2-Methylnaphthalene	91-57-6				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
2-Methylphenol (o-cresol)	95-48-7	500,000	100,000	330	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
2-Nitroaniline	88-74-4				< 340	U	< 350	U	< 340	U	< 340	U	< 350	U
2-Nitrophenol	88-75-5				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
3&4-Methylphenol (m&p-cresol)	n/a				< 340	U	< 350	U	< 340	U	< 340	U	< 350	U
3,3'-Dichlorobenzidine	91-94-1				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
3-Nitroaniline	99-09-2				< 340	U	< 350	U	< 340	U	< 340	U	< 350	U
4,6-Dinitro-2-methylphenol	534-52-1				< 340	U	< 350	U	< 340	U	< 340	U	< 350	U
4-Bromophenyl phenyl ether	101-55-3				< 340	U	< 350	U	< 340	U	< 340	U	< 350	U
4-Chloro-3-methylphenol	59-50-7				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
4-Chloroaniline	106-47-8				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
4-Chlorophenyl phenyl ether	7005-72-3				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
4-Nitroaniline	100-01-6				< 540	U	< 560	U	< 550	U	< 550	U	< 560	U
4-Nitrophenol	100-02-7				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Acenaphthene	83-32-9	500,000	100,000	20,000	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Acenaphthylene	208-96-8	500,000	100,000	100,000	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Acetophenone	98-86-2				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Aniline	62-53-3				< 340	U	< 350	U	< 340	U	< 340	U	< 350	U
Anthracene	120-12-7	500,000	100,000	100,000	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Benz(a)anthracene	56-55-3	5,600	1,000	1,000	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Benzidine	92-87-5				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Benzo(a)pyrene	50-32-8	1,000	1,000	1,000	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U

iPARK 84 CAMPUS
BUILDING 339
2070 NY ROUTE 52
HOPEWELL JUNCTION, NY

TABLE 4
SUMMARY OF SOIL SAMPLING RESULTS - SVOCs ONLY

					Collection Date		5/14/2020		5/14/2020		5/14/2020		5/14/2020		5/14/2020	
					Sample ID		SS-1 (1'-2')		SS-2 (1'-2')		SS-3 (1'-2')		SS-4 (1'-2')		SS-5 (3'-4')	
					Matrix		Soil		Soil		Soil		Soil		Soil	
		NYCRR Part 375 SCOs														
	CAS	**Commercial Use Soil Cleanup Objective**	**Residential Use Soil Cleanup Objective**	**Unrestricted Use Soil Cleanup Objective**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Benzo(b)fluoranthene	205-99-2	5,600	1,000	1,000	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Benzo(ghi)perylene	191-24-2	500,000	100,000	100,000	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Benzo(k)fluoranthene	207-08-9	56,000	1,000	800	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Benzoic acid	65-85-0				< 680	U	< 700	U	< 680	U	< 690	U	< 700	U		
Benzyl butyl phthalate	85-68-7				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Bis(2-chloroethoxy)methane	111-91-1				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Bis(2-chloroethyl)ether	111-44-4				< 340	U	< 350	U	< 340	U	< 340	U	< 350	U		
Bis(2-chloroisopropyl)ether	39638-32-9				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Bis(2-ethylhexyl)phthalate	117-81-7				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Carbazole	86-74-8				< 340	U	< 350	U	< 340	U	< 340	U	< 350	U		
Chrysene	218-01-9	56,000	1,000	1,000	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Dibenz(a,h)anthracene	53-70-3	560	330	330	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Dibenzofuran	132-64-9	350,000	14,000	7,000	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Diethyl phthalate	84-66-2				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Dimethylphthalate	131-11-3				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Di-n-butylphthalate	84-74-2				< 340	U	< 350	U	< 340	U	< 340	U	< 350	U		
Di-n-octylphthalate	117-84-0				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Fluoranthene	206-44-0	500,000	100,000	100,000	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Fluorene	86-73-7	500,000	100,000	30,000	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Hexachlorobenzene	118-74-1	6,000	330	330	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Hexachlorobutadiene	87-68-3				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Hexachlorocyclopentadiene	77-47-4				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Hexachloroethane	67-72-1				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Indeno(1,2,3-cd)pyrene	193-39-5	5,600	500	500	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Isophorone	78-59-1				< 11000	U	< 1000	U	< 3700	U	< 21000	U	< 1500	U		
Naphthalene	91-20-3	500,000	100,000	12,000	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Nitrobenzene	98-95-3				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
N-Nitrosodimethylamine	62-75-9				< 340	U	< 350	U	< 340	U	< 340	U	< 350	U		
N-Nitrosodi-n-propylamine	621-64-7				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
N-Nitrosodiphenylamine	86-30-6				< 340	U	< 350	U	< 340	U	< 340	U	< 350	U		
Pentachloronitrobenzene	82-68-8				< 340	U	< 350	U	< 340	U	< 340	U	< 350	U		
Pentachlorophenol	87-86-5	6,700	2,400	800	< 340	U	< 350	U	< 340	U	< 340	U	< 350	U		
Phenanthrene	85-01-8	500,000	100,000	100,000	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Phenol	108-95-2	500,000	100,000	330	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Pyrene	129-00-0	500,000	100,000	100,000	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Pyridine	110-86-1				< 340	U	< 350	U	< 340	U	< 340	U	< 350	U		

Notes:
Concentrations are provided in micrograms per kilogram (µg/kg).
U - The compound was anlayzed for but not detected at or above the Method Detection Limit (MDL). The number immediately preceding the "U" represents the Practical Quantitation Level (PQL) corrected for percent solids, weight and/or volume calculations, and dilution factors.

iPARK 84 CAMPUS
BUILDING 339
2070 NY ROUTE 52
HOPEWELL JUNCTION, NY

TABLE 5
SUMMARY OF SOIL SAMPLING RESULTS - METALS ONLY

				Collection Date	5/14/2020		5/14/2020		5/14/2020		5/14/2020		5/14/2020	
				Sample ID	SS-1 (1'-2')		SS-2 (1'-2')		SS-3 (1'-2')		SS-4 (1'-2')		SS-5 (3'-4')	
				Matrix	Soil		Soil		Soil		Soil		Soil	
		NYCRR Part 375 SCOs												
	CAS	**Commercial Use Soil Cleanup Objective**	**Residential Use Soil Cleanup Objective**	**Unrestricted Use Soil Cleanup Objective**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Metals, Total														
Aluminum	7429-90-5				**16,000**		**12,900**		**13,700**		**11,000**		**11,600**	
Antimony	7440-36-0				< 3.1	U	< 3.4	U	< 3.5	U	< 3.4	U	< 3.8	U
Arsenic	7440-38-2	16	16	13	**4.28**		**4.59**		**4.2**		**4.05**		**3.94**	
Barium	7440-39-3	400	350	350	**55**		**39.8**		**48.9**		**72.4**		**45.2**	
Beryllium	7440-41-7	590	14	7.2	**< 0.25**		**< 0.27**		**< 0.28**	**J**	**< 0.27**		**< 0.30**	
Cadmium	7440-43-9	9.3	2.5	2.5	**2.12**		**1.91**		**1.96**		**1.63**		**1.72**	
Calcium	7440-70-2				**22,600**		**17,500**		**15,700**		**61,500**		**37,400**	
Chromium	7440-47-3			30	**14.4**		**14.7**		**15.1**		**19.6**		**15.2**	
Cobalt	7440-48-4				**11.5**		**10.7**		**11.2**		**9.5**		**8.82**	
Copper	7440-50-8	270	270	50	**34.5**		**34.2**		**38.9**		**29.4**		**31.2**	
Iron	7439-89-6				**35,100**		**28,800**		**30,300**		**24,000**		**25,600**	
Lead	7439-92-1	1,000	400	63	**17**		**15.8**		**18**		**35.2**		**11.9**	
Magnesium	7439-95-4				**11,500**		**12,800**		**8,660**		**17,900**		**16,300**	
Manganese	7439-96-5	10,000	2,000	1,600	**1,720**		**1,050**		**1,180**		**645**		**999**	
Mercury	7439-97-6	2.8	0.81	0.18	< 0.03	U	< 0.03	U	< 0.03	U	< 0.03	U	< 0.03	U
Nickel	7440-02-0	310	140	30	**27.1**		**23.7**		**24.2**		**20**		**21.6**	
Potassium	9/7/7440				**1,250**		**1,330**		**1,510**		**2,460**		**1,530**	
Selenium	7782-49-2	1,500	36	3.9	< 1.3	U	< 1.3	U	< 1.4	U	< 1.4	U	< 1.5	U
Silver	7440-22-4	1,500	36	2	< 0.31	U	< 0.34	U	< 0.35	U	< 0.34	U	< 0.38	U
Sodium	7440-23-5				**165**		**118**		**143**		**343**		**180**	
Thallium	7440-28-0				< 2.8	U	< 3.0	U	< 3.1	U	< 3.0	U	< 3.4	U
Vanadium	7440-62-2				**15.8**		**14.3**		**14.5**		**17**		**14**	
Zinc	7440-66-6	10,000	2,200	109	**75.3**		**66.9**		**69.8**		**53.4**		**61.5**	

Notes:
Concentrations are provided in milligrams per kilogram (mg/kg).
U - The compound was anlayzed for but not detected at or above the Method Detection Limit (MDL). The number immediately preceding the "U" represents the Practical Quantitation Level (PQL) corrected for percent solids, weight and/or volume calculations, and dilution factors.
Bold results indicate those detected above MDLs.
Highlighted results indicate those detected above Unrestricted Use Soil Cleanup Objectives.

FIGURES

N

SITE PLAN

N.T.S.

Walden Environmental Engineering

WALDEN ENVIRONMENTAL ENGINEERING, PLLC
IPARK 84 CAMPUS, 200 NORTH DRIVE, SUITE #108
HOPEWELL JUNCTION, NEW YORK 12533
P: (845) 253-8025; (516) 624-7200
F: (516) 624-3219
WWW.WALDENENVIRONMENTALENGINEERING.COM

REVISION		
No.	DATE	COMMENTS

FOR:
BUILDING 710 (FORMER 330 LINK)
iPark 84 Campus
2070 State Route 52
Hopewell Junction, NY 12533

DRAWING TITLE:
SITE PLAN
BUILDING 710- FOOD MANUFACTURING OPERATION

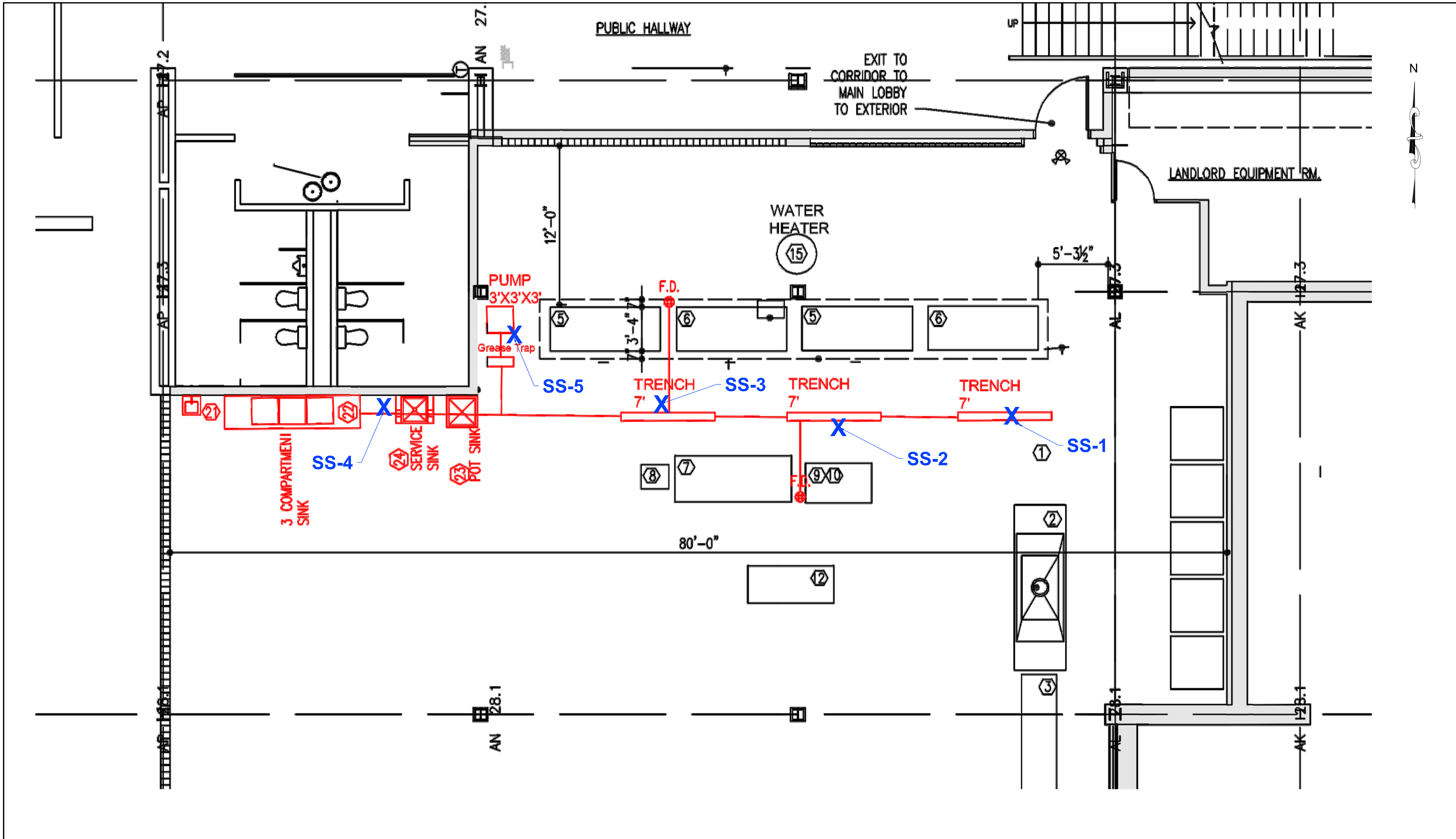
FIGURE NO: 1

ISSUED

REVISION NO: 0

DESIGNED BY: NMB | DRAWN BY: EJK | JOB NO: IPARK0118.41 | DATE: 5/22/20 | 11x17 | SHEET NO: 1 OF 2

APPROVED BY: JMH | SCALE: AS NOTED | CAD FILE NAME: Z:\iPark\0118\iPark0118.41 Bldg 710 former 330 Link\Pre-Construction Report\Updated Figures.dwg



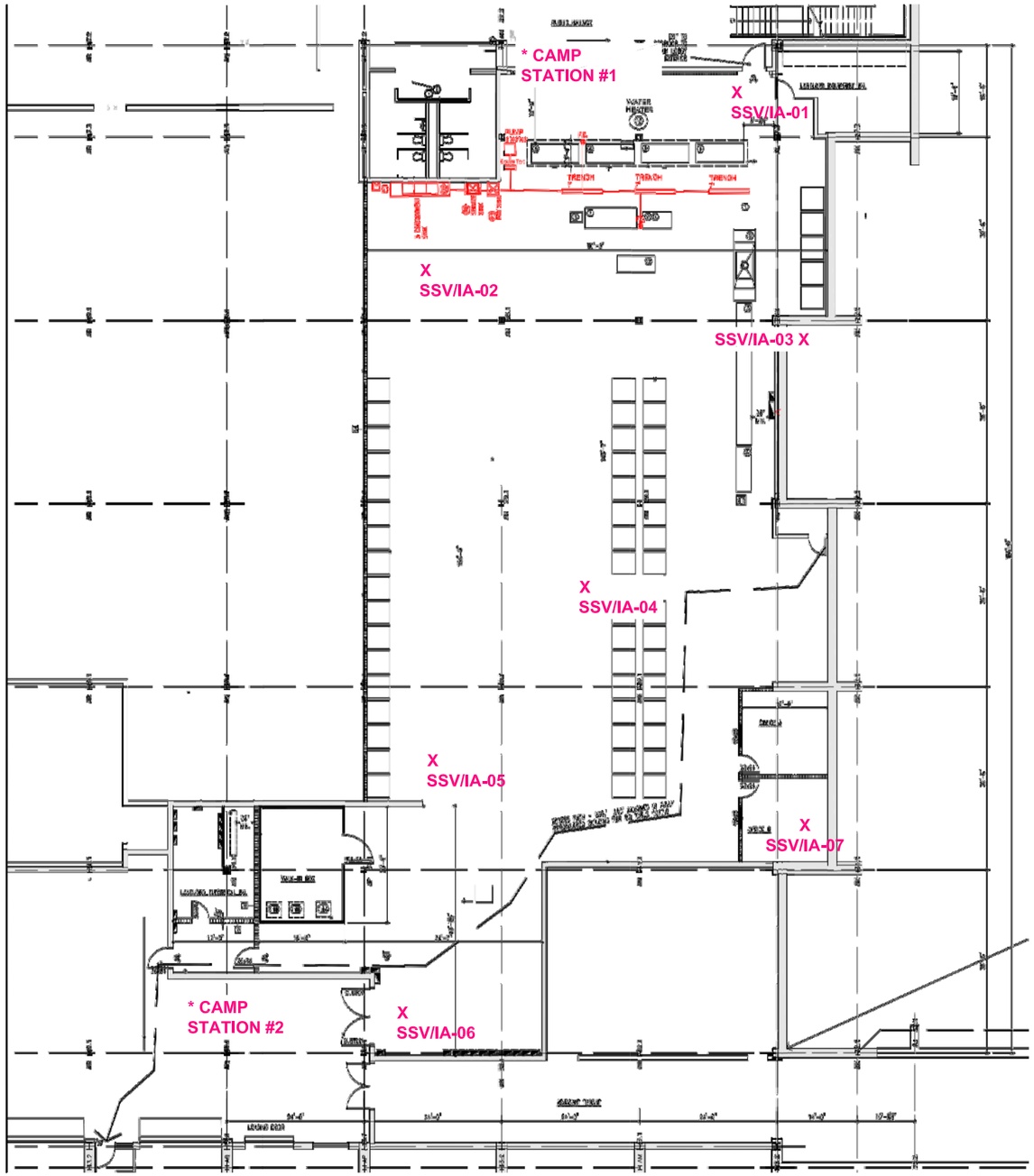
X - ACTUAL SUB-SLAB SOIL SAMPLING LOCATION

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

DRAWING TITLE:

FIGURE 2
LAMILPA SPACE LAYOUT
SOIL SAMPLING LOCATION

JOB NO: iPark118.41 | DATE: 5/22/20 | 11x17 | SHEET NO: 1 OF 2



N

X IA - ACTUAL SUB-SLAB AND IA SAMPLING LOCATION

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

DRAWING TITLE:

FIGURE 3
LAMILPA SPACE LAYOUT
IA SAMPLING LOCATION

JOB NO: iPark118.41	DATE: 5/22/20	11x17	SHEET NO: 2 OF 2

CAD FILE NAME: Z:\iPark\118\iPark0118.41 Bldg 710 former 330 LinkPre-Construction Report\Updated Figures.dwg

APPENDICES

APPENDIX A
Building 710 (Formerly 330 Link) La Milpa De Rosa Space Retrofit Activities Work Plan and NYSDEC Conditional Approval Letter (May 13, 2020)

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

May 13, 2020

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

Re: Building 330 Link (B710) La Milpa De Rosa Space
Retro-Fit Activities Work Plan
Former IBM East Fishkill Facility, East Fishkill, New York
NYSDEC Site No. 314054, EPA ID NYD000707901

Dear Mr. Cotter:

The Department of Environmental Conservation (Department) has reviewed the Retro-Fit Activities Work Plan submitted by Walden Environmental Engineering, PLLC on behalf of National Resources on April 10, 2020. The retrofit for La Milpa De Rosa space is located within the Building 330 Annex (Building 710). The retrofit will require the installation of new floor drainage lines and trenches. This work plan lays out the sampling required for the subsurface soils, and includes an Intrusive Activities Work Plan and Community Air Monitoring Plan. This work plan also includes indoor air quality testing in the space prior to tenant occupancy. However, without current sub-slab soil vapor data from beneath this building, the Departments are unable to conclude that the proposed indoor air sample locations will be representative of current air conditions within the building. Therefore, the Departments request that sub-slab vapor and indoor air samples be collected concurrently once the retrofit is complete.

This workplan is conditionally approved with the inclusion of the sub-slab vapor sampling. Please notify the Departments when work begins. If you have any questions, please feel free to contact me at (518) 402-9821.

Sincerely,

Jessica La Clair

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

ec: M. Buckley, iPark
C. Monheit, National Resources
N. Brew, Walden
J. Heaney, Walden
D. Chartrand, IBM
E. Lutz, GF

G. Marone, GF
S. Edwards, NYSDEC - DER
J. Armitage, NYSDEC - DER
B. Conlon, NYSDEC - OGC
J. Kenney, NYSDOH
M. Schuck, NYSDOH

Building 710 (Formerly 330 Link)
La Milpa De Rosa Space
Retrofit Activities Work Plan

at

iPark 84
Former IBM East Fishkill Facility

April 2020 (Revised May 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

May 14, 2020
iPARK0118.41

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 710 (Formerly 330 Link)
La Milpa De Rosa Space
Retro-Fit Activities Work Plan

Dear Ms. LaClair:

Walden Environmental Engineering, PLLC (Walden) is submitting this Retro-Fit Activities Work Plan on behalf of iPark East Fishkill, LLC (iPark/Owner), the owner of Building 710 (formerly Building 330 Link) at the iPark 84 Former IBM East Fishkill Facility located in Hopewell Junction, New York. iPark is leasing space within Building 710 at the iPark 84 site to La Milpa De Rosa (La Milpa), a food manufacturer. La Milpa requires the installation of new floor drainage lines to supplement the existing floor drainage structures and trenches within the space. This retrofitting activity involves the removal of sections of the concrete building slab, and disturbance of subsurface soil beneath the slab in order to install the trenches. This Work Plan outlines the steps that will be taken by iPark to ensure compliance with the Interim Site Management Plan (ISMP) and Intrusive Activities Work Plan (IAWP) while the intrusive activities associated with this indoor construction project take place. ***Note that this Work Plan has been updated to include pre-construction soil vapor intrusion (SVI) sampling of sub-slab vapor and indoor air based on NYSDEC's May 13, 2020 conditional approval letter (see Attachment A). Revisions to the Work Plan are indicated in bold italics; Figures 2 and 3 have also been updated.***

On November 26, 2019, Walden, on behalf of iPark, submitted the 60-day advance change of use notification to NYSDEC and NYSDOH is attached for the proposed food manufacturing

operation in Building 710. NYSDEC responded to the 60-day notification on December 20th, indicating that any disturbance of the slab requires sub-slab sampling and a special requirements CAMP. Copies of the 60-day notification and NYSDEC response are presented in Attachment ***B***.

This Work Plan includes the following information:

- A detailed description of the project including the location and extent of the work, applicable plans, estimated volumes of soil to be excavated, and any potential impacts to existing engineering controls;
- A summary of environmental conditions within the work area including the nature and concentration levels of contaminants of concern;
- Plans for pre-construction sampling and waste characterization sampling;
- A statement that the work will be performed in compliance with the IAWP, which is included as Appendix C of the ISMP;
- The Health and Safety Plan (HASP) and special requirements Community Air Monitoring Plan (CAMP) to be implemented during the intrusive activities;
- Handling and disposal details for potential waste streams; and
- Plans to perform indoor air sampling after the interior modifications within the La Milpa space are completed, to clear the space for occupancy by the tenant.

Project Description

La Milpa is anticipated to occupy approximately 14,900 ft^2 within Building 710 in the eastern portion of the first floor on the iPark 84 campus. See Figure 1 for the location map and Figure 2 for details on the proposed layout of the La Milpa space, which will be used for food manufacturing. The remainder of the first-floor areas in Building 710 are unoccupied. The only tenant in the second floor of Building 710 consists of a cafeteria operated by Global Foundries.

In order to retrofit the space for La Milpa's needs, approximately 80 to 90 linear feet (lf) of trenching will be performed to install floor drains and piping associated with various sinks. In addition, a grease trap and pump will be installed beneath the slab. The areas where construction involves disturbance to the slab are shown in red on Figure 2. The trenches will be approximately one (1) foot deep and one (1) foot wide, while the grease trap and pump will be installed approximately three (3) feet below the slab. All intrusive work will be performed in

accordance with the attached HASP (Attachment ***C***) and special requirements CAMP (Attachment ***D***) as discussed below.

Pre-Construction Soil Sampling

Prior to cutting the slab and conducting trenching activities, ***a Ground Penetrating Radar (GPR) survey will be conducted within the space to clear all sampling locations. Following the GPR,*** soil samples will be collected from beneath the slab. The sampling will be performed to evaluate contaminant levels in the soil and to characterize exposure risks. One (1) sample set shall be collected at the five (5) locations shown on Figure 2 (SS-1 through SS-5). A concrete core drill (with an integral wet system) will be used to drill through the slab using water for dust control. Immediately after the concrete core is removed at each location, a small diameter hand auger will be used to collect a soil sample from one (1) to two (2) feet below the bottom of the slab at locations SS-1 through SS-4, and from three (3) to four (4) feet below the bottom of the slab at location SS-5 (in the area of the proposed pump and grease trap). The top layer of soil directly beneath will not be sampled in order to avoid the potential for inaccurate results associated with soil wetting due to the coring equipment and release of VOCs due to soil disturbance in the 0'-1' interval. Real-time air monitoring shall be performed during the drilling and sampling activities in accordance with the HASP and CAMP.

The soil samples will be submitted to an ELAP-certified laboratory for VOCs via EPA Method 8260, Semi Volatile Organic Compounds (SVOCs) via EPA Method 8270, and Metals via EPA Method 6010C. The soil analytical results will be compared to the NYCRR Part 375-6.8(b) Soil Cleanup Objectives (SCOs). If the soil meets the Industrial Use SCOs, excess soils from the floor trenching and drainage installation work described below will be used as backfill or transferred to Lot 3 where it will be stockpiled for future re-use on-site upon approval from NYSDEC and NYSDOH. Any soils that do not meet the SCOs for industrial use will be properly disposed of off-site.

Pre-Construction Sub-Slab Soil Vapor and Indoor Air Sampling

Seven (7) temporary sub-slab soil vapor sampling points will be installed throughout the space. Temporary points will be installed using inert ¼" polyethylene tubing and sealed with coarse sand and hydraulic cement in accordance with the NYSDOH Soil Vapor Intrusion Guidance Section 2.7.2, Paragraph B. Seven (7) sub slab soil vapor samples, seven (7) indoor air samples, and one (1) outdoor ambient air samples will be collected within and outside of the La Milpa space during the sampling event. The sub-slab and indoor air samples will be dispersed throughout the space. The estimated sampling locations are provided on Figure 3. The outdoor ambient air sampling location will be upwind of the LaMilpa space, as determined based on wind direction at the time of sampling. Prior to the sampling, a comprehensive inspection of Building 710 (330 Link) will be conducted as part of the pre-construction sampling. Any sumps, drains, piping or other features will be recorded.

The sub-slab vapor samples and indoor air samples will be collected over an 8-hour sampling period. The June 15, 2009 RCRA Facility Investigation (RFI) VOC Source Assessment Work Plan (RFI Work Plan, prepared on behalf of IBM) which was previously approved by NYSDEC calls for both the 6-Liter Summa® canisters and regulators used to collect sub-slab vapor, indoor air and outdoor ambient air samples to be individually certified clean by the laboratory. Walden shall use individually certified Summa® canisters with individually certified regulators provided by the laboratory.

The sub-slab soil vapor, indoor air and outdoor background air samples will be analyzed for VOC analytes via modified Method TO-15 as specified in the June 2009 RFI Work Plan to achieve lower reporting limits via selective ion monitoring for TCE, vinyl chloride and carbon tetrachloride.

Floor Trenching and Drainage Installation

While cutting the building slab, power tools with integral dust management features shall be utilized. Approximately five (5) cubic yards of soil will be generated as a result of this installation. All soil will be appropriately handled and disposed of. During this work, the contractor will implement actions to protect workers and adjacent tenant spaces from contaminant releases in accordance with the HASP and special requirements CAMP, which are further discussed below. All exposed trenches will be covered with plastic sheeting to the extent possible, as site work allows. All trenches will be covered overnight with plastic. Excess soil generated by all excavation work shall be either stockpiled on top of plastic and covered with weighted tarps, or placed into drums and covered.

Any concrete demolition material proposed for reuse on-Site will be sampled for asbestos and the results will be reported to the NYSDEC for acceptance. Concrete crushing or processing on-Site will not be performed without prior NYSDEC approval.

Concrete and demolition material will be reused on site, as allowable, or disposed of appropriately off-site. If a soil sample is found to contain hazardous material, NYSDEC shall be notified and the soil shall be disposed of at an appropriate facility in accordance with federal, state, and local laws.

Health and Safety Plan

iPark and its subcontractors shall adhere to the HASP that is provided in Attachment ***C*** for all intrusive work that will be conducted under this Work Plan. Health and Safety air monitoring will take place during work to monitor workers' exposure. Only on-Site personnel who have received 40-hour OSHA Hazardous Waste Operations and Emergency Response (HAZWOPER) training and annual 8-hour refresher training (and have proof of certified HAZWOPER training) will be allowed in the exclusion zone and contaminant reduction zone per the HASP. The air

monitoring described below will provide data to monitor worker exposure and support measures to ensure worker safety in accordance with the HASP.

Special Requirements CAMP Air Monitoring

The Community Air Monitoring Program (CAMP) provided in Attachment ***D*** shall be implemented during sampling and construction work involving intrusive activities. Because the construction will be performed inside the building, the CAMP includes special requirements for monitoring to ensure that tenants occupying other spaces in Building 710 are not exposed from VOC and particulates released during the La Milpa work.

Prior to the beginning of any planned construction work within the La Milpa space, background VOC and dust concentrations will be measured in the work area and other tenant-occupied spaces in Building 710 (including the second-floor Global Foundries Cafeteria). In addition, the location of all exhaust vents in the La Milpa space and their discharge points, as well as potential vapor pathways (openings, conduits, etc.) relative to adjoining rooms, will be evaluated and background concentrations will be measured in spaces that share the same ventilation/exhaust system as La Milpa. Exhaust intake vents within the workspace may be sealed if appropriate. Any unusual background readings will be discussed with NYSDEC and NYSDOH prior to commencement of the work. The CAMP air monitoring stations will be established based on the findings of the pre-construction evaluation and the ventilation system layout.

Air monitoring for VOCs and particulates shall take place during intrusive work activities that take place within the building. The VOC and particulate concentrations shall be collected prior to the start of work each day to obtain a baseline condition of the space for that workday.

VOC concentrations will be monitored using Mini Rae 3000 Photo-ionization detectors (PID) (or equivalent) and Dusttraks (or equivalent) will be used to monitor particulate concentrations. The PIDs and Dusttraks will be calibrated daily in accordance with the instrument manufacturers' instructions; all calibrations will be recorded in Walden's field book. Two (2) air monitoring stations will be set up at the locations determined during the pre-construction evaluation as detailed above. Each air monitoring station will have a PID and a dust meter connected to a data logger to continuously record the breathing zone VOC and dust concentrations during the work day, from before the work starts until after the last workers leave the area each day.

Walden will record the VOC and dust concentrations at each monitoring station every fifteen minutes (at a minimum) during the work day to ensure that appropriate actions are implemented when needed based on the action levels presented below. In addition, Walden will use a third PID during the work to monitor breathing zone VOC concentrations in the immediate vicinity of the work activities to ensure the workers are protected in accordance with the HASP. Similarly, a multi-gas meter will be used to continually measure the concentrations of hydrogen sulfide,

oxygen, lower explosive limit, carbon monoxide and chlorine in the indoor air within the work area.

The air monitoring action levels as stated in the CAMP, including the special requirements are as follows:

- If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds five (5) parts per million (ppm) above background for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below five (5) ppm over background, work activities can resume with continued monitoring. □

- If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of five (5) ppm over background but less than twenty-five (25) ppm, work activities must be halted. The source of vapors must be identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can only resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than twenty (20) feet, is below five (5) ppm over background for the 15-minute average.

- If the organic vapor level is above twenty-five (25) ppm at the perimeter of the work area, activities must be shutdown. Work methods and controls will be re-evaluated.

- If total VOC concentrations opposite the walls of occupied tenant spaces or next to intake vents exceed 1 ppm, monitoring will be performed within the occupied spaces. Depending upon the nature of contamination, chemical-specific colorimetric tubes of sufficient sensitivity may be utilized to compare the exposure point concentrations with appropriate pre-determined response levels (response actions will be pre-determined).

- If total particulate concentrations opposite the walls of occupied structures or next to intake vents exceed 150 mcg/m^3, work activities shall be suspended until controls are implemented and are successful in reducing the total particulate concentration to 150 mcg/m^3 or less at the monitoring point. If VOC readings exceed 5 parts per million (ppm) in these same locations, work activities shall be suspended. Any exceedances will be documented, and the NYSDEC and NYSDOH will be notified by the end of the same day.

If the action levels for VOCs or dust are exceeded, exhaust fans or other engineering controls may be used on an as-needed basis to create negative air pressure within the work area during the intrusive construction activities. Dust and particulate control measures, such as water misting, may also be implemented to prevent generation of dust and particulate matter during the work activities as needed. Vapor/dust barriers, temporary negative-pressure enclosures, or special ventilation devices will be considered in order to prevent exposures related to the work activities. If necessary, the work may be scheduled to take place when potentially exposed populations are at a minimum, such as during weekends or evening hours.

If the VOC or dust concentrations exceed the action criteria at the end of a work day, Walden's oversight staff will remain on-Site to oversee the engineering controls and continue air monitoring until the elevated concentrations dissipate to concentrations below the action levels. VOC and dust concentrations will be documented just before Walden leaves the work area each day. Fans may be left running overnight to ventilate the space as needed.

If Walden's air monitoring staff observes elevated VOC concentrations which occur as a direct result of the on-Site contractor's work (such as the use of certain plumbing compounds), the work will be paused and Walden will review the Safety Data Sheets (SDS) for the commercial products as applicable to determine the chemical components and the respective OSHA permissible exposure levels (PELs, 8-hour time weighted averages), consistent with 29 CFR 1910.1000. If it is confirmed that the VOC concentrations do not exceed the applicable PELs, the on-site personnel may continue to work while engineering controls are utilized to increase ventilation in the work area and reduce VOC concentrations. In this case, the VOC concentrations will be closely monitored outside the work area to confirm that the elevated VOC concentrations are localized/limited to the immediate work zone and do not migrate from the work space to occupied areas of Building 710.

CAMP air monitoring will cease when construction permanently covers the sub-slab soils such that they are no longer exposed. CAMP air monitoring reports will be submitted to the State on a weekly basis during the intrusive construction work.

Indoor Air Quality Testing Prior to Tenant Occupancy

Following the completion of the La Milpa space interior renovation activities, Walden will perform Indoor Air Quality (IAQ) testing in the space prior to tenant occupancy. The testing will be performed in order to assess whether the building modifications have impacted the potential for soil vapor intrusion and associated IAQ impacts, and to confirm that indoor air quality is acceptable in the La Milpa space. The IAQ sampling will be conducted in accordance with the procedures detailed in the June 15, 2009 RCRA Facility Investigation (RFI) VOC Source Assessment Work Plan (RFI Work Plan, prepared on behalf of IBM) which was previously approved by NYSDEC. During the IAQ sampling, iPark will ensure that the La Milpa HVAC

system is operating under the same conditions anticipated during normal operations once the tenant takes occupancy.

The proposed IAQ sampling locations within the La Milpa space are shown on Figure 3 and listed below. The actual sampling locations will be determined in the field. Any significant changes from the locations shown on Figure 3 will be discussed with NYSDEC and NYSDOH to gain the State's concurrence before sample collection begins. The entire La Milpa space is located in Heating Ventilation and Air Conditioning Zone 60.

Sample ID	Sampling Area	HVAC Zone	Anticipated Duration of Occupancy
IA-01	Inside Entrance from Lobby	60	Sporadic
IA-02	Sinks Area	60	Sporadic
IA-03	Conveyor Area	60	Frequent
IA-04	Production Area	60	Frequent
IA-05	Production Area	60	Sporadic
IA-06	Near Walk-in Box	60	Sporadic
IA-07	Office	60	Frequent

In addition to the samples referenced above, one duplicate sample (IA-Duplicate) will be collected at one of the sample locations which will be determined in the field. One outdoor ambient air sample (AA-01) will be collected at one of the HVAC unit intakes to assess background conditions and identify any background impacts to IAQ.

Note that NYSDEC's May 13, 2020 conditional approval letter requests that sub-slab vapor and indoor air samples be collected concurrently once the retrofit is complete.

All samples will be submitted to Phoenix Labs of Manchester, CT, a NYSDOH ELAP certified laboratory (NYSDOH ELAP #11301) for analysis of VOC analytes via modified Method TO-15 as specified in the June 2009 *RFI Work Plan* to achieve lower reporting limits via selective ion monitoring for TCE, vinyl chloride and carbon tetrachloride. The IAQ data will be evaluated, validated and presented in a summary report that will be submitted to NYSDEC and NYSDOH for review. Data generated during the La Milpa IAQ sampling activities will be stored and managed in a Microsoft® (MS) Access™ database and shared with IBM.

Upon reviewing the IAQ sampling summary report, NYSDEC and NYSDOH will determine whether the La Milpa tenant can take occupancy and begin operating. Note that iPark will provide the results of the IAQ sampling to the La Milpa tenant within 45 days of receiving the validated data.

Reporting

Following the completion of the construction project, a letter summary report shall be prepared and supplied to NYSDEC. The letter report shall include an overview of the activities that took place; a description of the air monitoring activities, results, exceedances (if any) and engineering controls utilized to control VOC and dust concentrations during the work; photo documentation of the work activities; a description of the soil sampling performed before construction began and the results of the sampling; and the final use/disposal of the soil.

If you have any questions or require any additional information, please call (516) 624-7200.

Very truly yours,
Walden Environmental Engineering, PLLC

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

Erica Johnston
Environmental Scientist

cc: M. Buckley, iPark East Fishkill, LLC
C. Monheit, iPark East Fishkill, LLC

Figure 1 – Site Plan
Figure 2 – Building 710 Trenching/Drainage Work Layout and Proposed Soil Sampling Locations
Figure 3 – La Milpa Space Proposed Sub Slab Soil Vapor and IAQ Sampling Locations

Attachment A – NYSDEC Conditional Work Plan Approval Letter (May 13, 2020)
Attachment ***B*** – 60-Day Notification
Attachment ***C*** – Health and Safety Plan
Attachment ***D*** – Community Air Monitoring Plan (Including Special Requirements)

Z:\Ipark0118\Ipark0118.41 Bldg 710 Former 330 Link\Retro-Fit Work Plan\Ipark Building 710 (330 Link) La Milpa Work Plan April 2020 Updated 5.14.2020.Doc

FIGURE 1
SITE PLAN

N

SITE PLAN
N.T.S.

Walden Environmental Engineering

WALDEN ENVIRONMENTAL ENGINEERING, PLLC
iPARK 84 CAMPUS, 200 NORTH DRIVE, SUITE #108
HOPEWELL JUNCTION, NEW YORK 12533
P: (845) 253-8025; (516) 624-7200
F: (516) 624-3219
WWW.WALDENENVIRONMENTALENGINEERING.COM

REVISION		
No.	DATE	COMMENTS

FOR:
BUILDING 710 (FORMER 330 LINK)
iPark 84 Campus
2070 State Route 52
Hopewell Junction, NY 12533

DRAWING TITLE:
SITE PLAN
BUILDING 710- FOOD MANUFACTURING OPERATION

FIGURE NO: 1

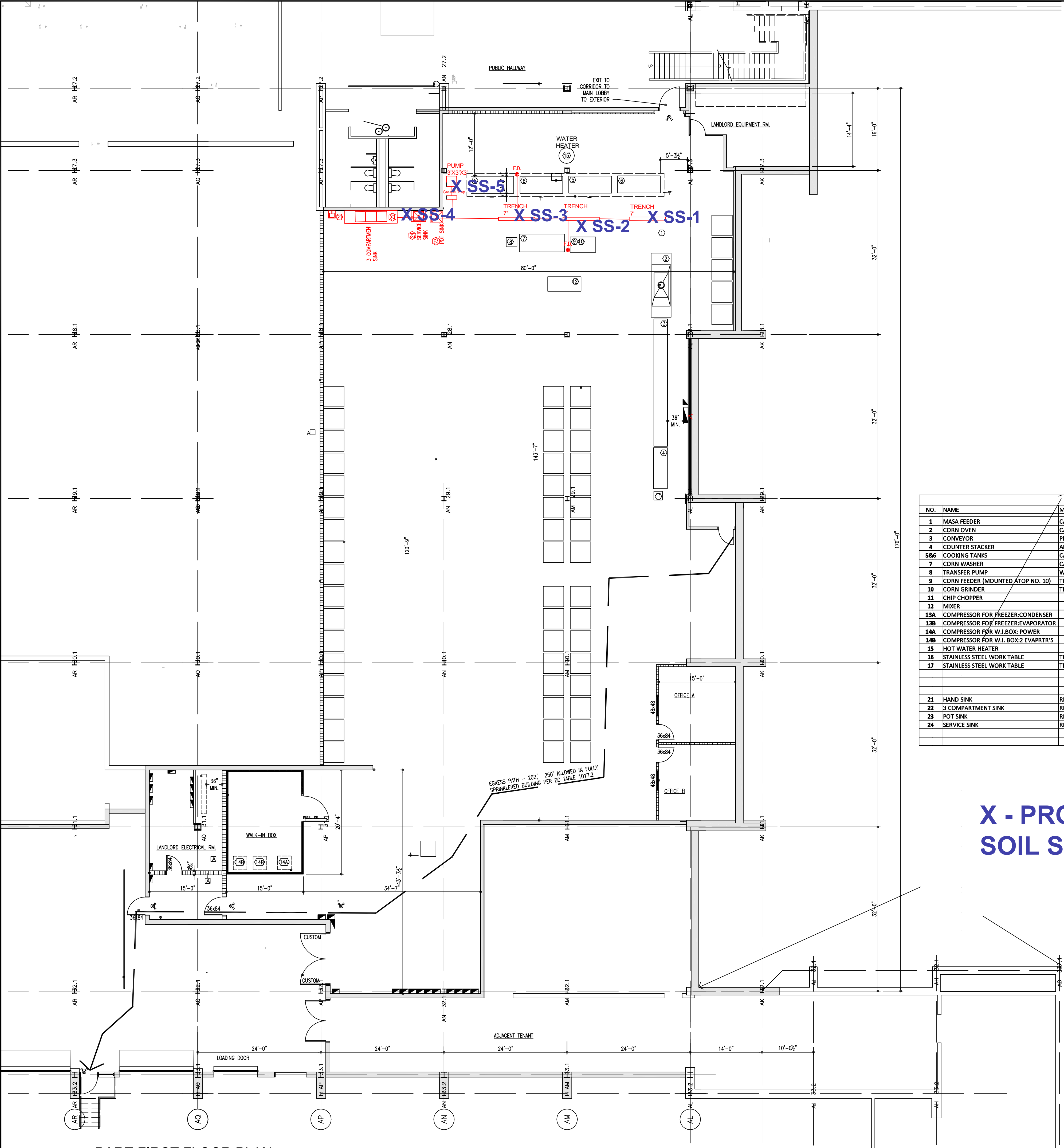
ISSUED

REVISION NO: 0

DESIGNED BY: NMB	DRAWN BY: EJK	JOB NO: IPARK0118.41	DATE: 11/26/19	11x17
APPROVED BY: JMH	SCALE: AS NOTED	CAD FILE NAME: Z:\iPark0118\iPark0118.41 Bldg 710 former 330 Link\ACAD\iPark0118.41 Bldg 710 former 330 Link.dwg		SHEET NO: 1 OF 2

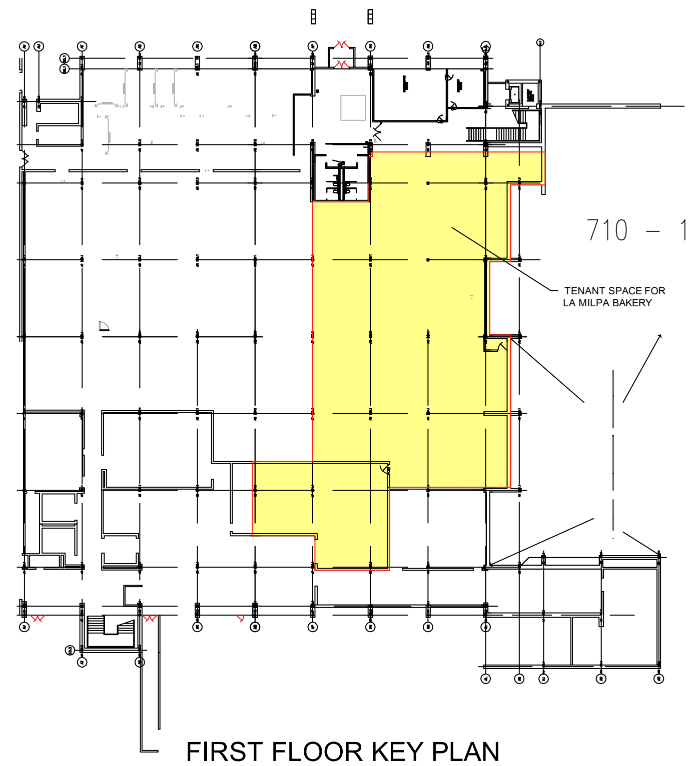
FIGURE 2

BUILDING 710 TRENCHING/DRAINAGE WORK LAYOUT AND PROPOSED SOIL SAMPLING LOCATIONS



PART FIRST FLOOR PLAN

SCALE: 1/8"=1'-0" AREA OF DEMISED PREMISES = 12,000 S.F.



FIRST FLOOR KEY PLAN

SCALE: 1/32"=1'-0"

EQUIPMENT SCHEDULE

NO.	NAME	MANUF	MODEL NO.	LENGTH	DEPTH	HEIGHT	AMPS	KW	VOLTS	PHASE	CYCLE	CW	HW	IND. WASTE	GAS	MBTUH	REMARKS
1	MASA FEEDER	CASA HERRA	MFE	55	30	66	6.8	0.4	220	3	60						
2	CORN OVEN	CASA HERRA	DCO/20/17	150	47	64	11.0	0.4	220	3	60				1.5	750	
3	CONVEYOR	PRO ENGINEER	CCIS7180	298	32	72	6.3	0.3	230	3	60						
4	COUNTER STACKER	ARR TECH	22-20C	96	30 1/2	52	11.0	4.0	240	3	60						
5&6	COOKING TANKS	CASA HERRA	1000 LBS	100	40	39	15.0	0.5	120	1	60	0.75		2	1.5	500	
7	CORN WASHER	CASA HERRA	CUE	106	42	102.5	15.0	0.5	220	1	60	0.75		2			
8	TRANSFER PUMP	WAUKESHA	TFC-GWD #60-081	25	22	32	32.0	1.5	230	1	60						
9	CORN FEEDER (MOUNTED ATOP NO. 10)	TBD	TBD	-	-	-	11.0	4.0	240	3	60						
10	CORN GRINDER	TBD	22-20C	60	36	72	125.0	32.0	220	3	60						
11	CHIP CHOPPER			20	20	65											
12	MIXER			78	34	68	12		220	3							
13A	COMPRESSOR FOR FREEZER:CONDENSER			32	32	72			208-230	1	60						MCA 17.71
13B	COMPRESSOR FOR FREEZER:EVAPORATOR						VARIES		208-230	1	60						FAN AMP 1; DEFROST AMPS: 9.8
14A	COMPRESSOR FOR W.I.BOX: POWER						9.3		208-230	1	60						RLA: 9.3
14B	COMPRESSOR FOR W.I. BOX:2 EVAPRTR'S						1.8 EA.		115	1	60						2 EVAPORATORS - FAN AMP 1.8
15	HOT WATER HEATER																
16	STAINLESS STEEL WORK TABLE	TBD															
17	STAINLESS STEEL WORK TABLE	TBD															
21	HAND SINK	REUSE										X	X				
22	3 COMPARTMENT SINK	REUSE										X	X	X			
23	POT SINK	REUSE										X	X	X			
24	SERVICE SINK	REUSE										X	X				

X - PROPOSED SUB-SLAB SOIL SAMPLING LOCATION

SPACE FOR APPROVAL STAMPS

DATE	REVISION	BY

DATE	DISTRIBUTION	BY

TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE ENERGY CONSERVATION CODE OF NEW YORK STATE.

FIRST FLOOR PLAN AND EQUIPMENT SCHEDULE

PROPOSED INTERIOR ALTERATIONS
LA MILPA BAKERY
2070 RTE. 52 BUILDING 710
HOPEWELL JUNCTION, NEW YORK
BLOCK: ---- LOT: ---- ZONE: ----

D'AMORE DESIGN STUDIO
ARCHITECTS & PLANNERS A I A
136 Stevens Ave. Mount Vernon NY 10550 Tele 914-667-5321 info@damoredesign.com

DRAWING NO. A-101

NO.1 OF-

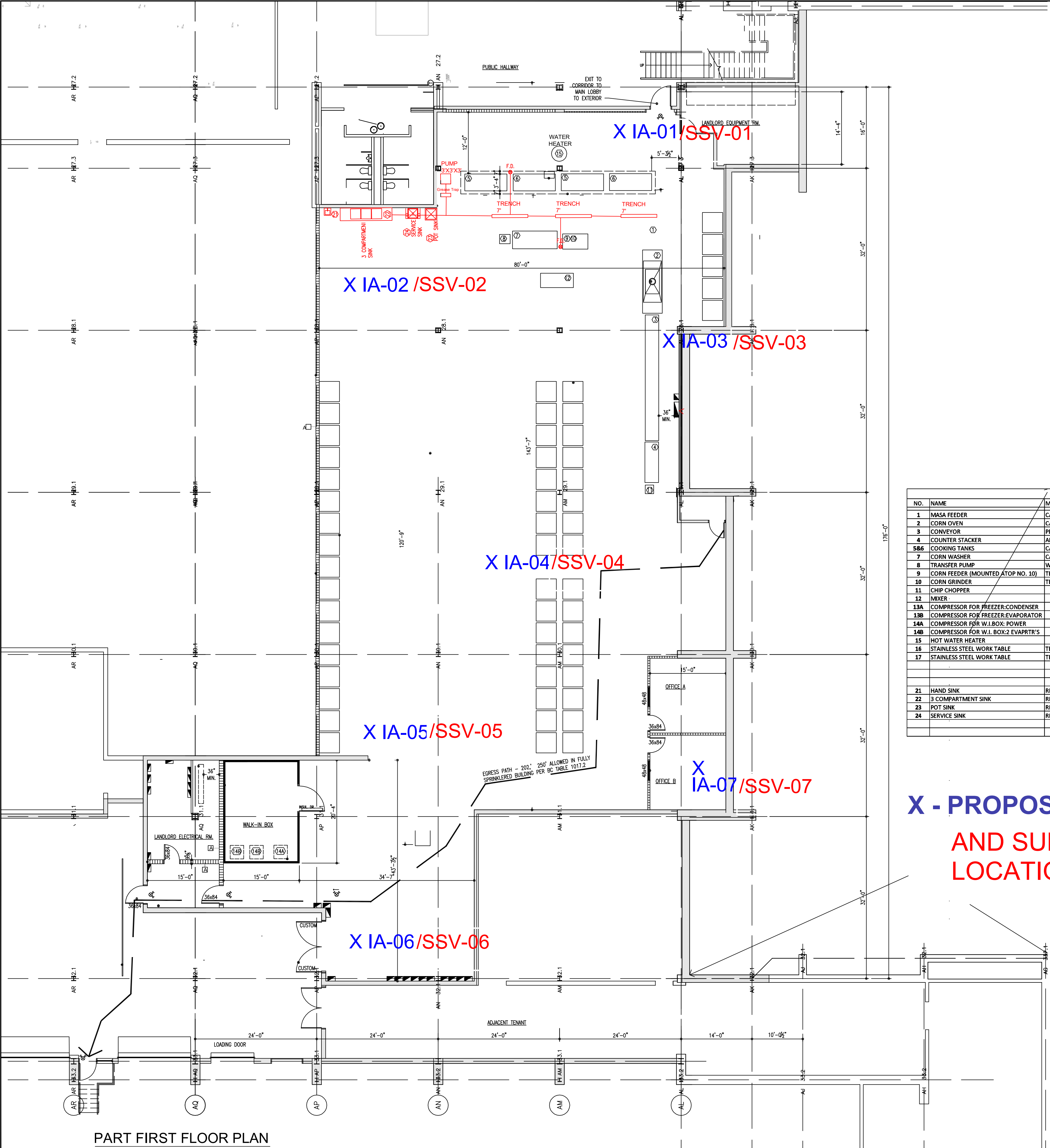
SCALE: AS NOTED
JOB NO. 2023
DATE: 01.20
DRAWN BY:-

3/21/2020 9:33:32 AM
H:\Office Drawings\2020\2023 - Steinburg Bakery Hopewell Jct\La Milpa Bakery\Sheets\2023-A-101 FLOOR PLAN.dwg

PAPER SIZE: 30x42

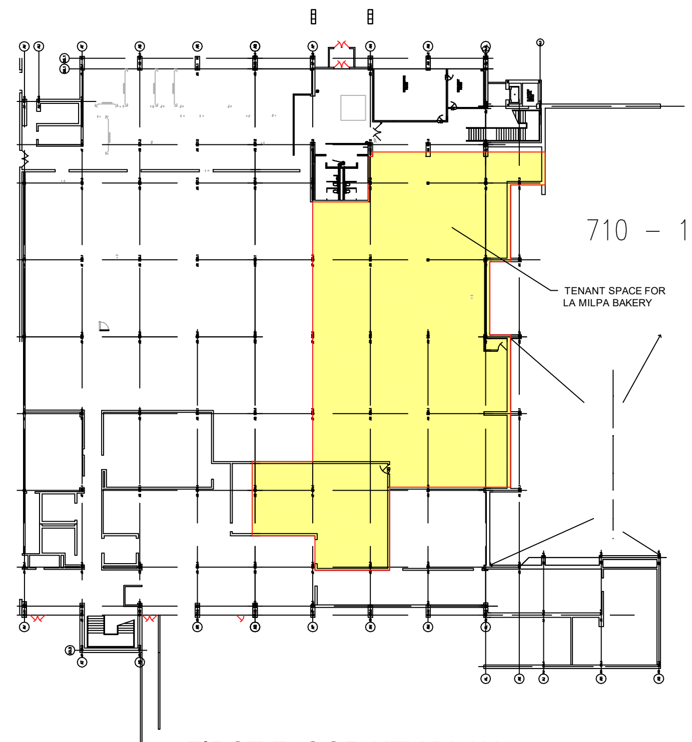
FIGURE 3

LA MILPA PROPOSED SUB SLAB SOIL VAPOR AND INDOOR AIR SAMPLING LOCATIONS



PART FIRST FLOOR PLAN

SCALE: 1/8"=1'-0"   AREA OF DEMISED PREMISES = 12,000 S.F.



FIRST FLOOR KEY PLAN

SCALE: 1/32"=1'-0"

EQUIPMENT SCHEDULE

NO.	NAME	MANUF	MODEL NO.	LENGTH	DEPTH	HEIGHT	AMPS	KW	VOLTS	PHASE	CYCLE	CW	HW	IND. WASTE	GAS	MBTUH	REMARKS
1	MASA FEEDER	CASA HERRA	MFE	55	30	66	6.8	0.4	220	3	60						
2	CORN OVEN	CASA HERRA	DCO/20/17	150	47	64	11.0	0.4	220	3	60				1.5	750	
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11	CHIP CHOPPER			20	20	65											
12	MIXER			78	34	68	12		220	3							
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15	HOT WATER HEATER																
16	STAINLESS STEEL WORK TABLE	TBD															
17	STAINLESS STEEL WORK TABLE	TBD															
21	HAND SINK	REUSE										X	X				
22	3 COMPARTMENT SINK	REUSE										X	X	X			
23	POT SINK	REUSE										X	X	X			
24	SERVICE SINK	REUSE										X	X				

X - PROPOSED IAQ SAMPLING LOCATION

AND SUB SLAB SOIL VAPOR SAMPLING LOCATION

SPACE FOR APPROVAL STAMPS

DATE	REVISION	BY

DATE	DISTRIBUTION	BY

FIRST FLOOR PLAN AND EQUIPMENT SCHEDULE

LA MILPA BAKERY
2070 RTE. 52 BUILDING 710

D'AMORE DESIGN STUDIO
ARCHITECTS & PLANNERS A I A

DRAWING NO. A-101

SCALE: AS NOTED
JOB NO. 2023
DATE: 01.20

ATTACHMENT A
NYSDEC COMMENT 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

May 13, 2020

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

Re: Building 330 Link (B710) La Milpa De Rosa Space
Retro-Fit Activities Work Plan
Former IBM East Fishkill Facility, East Fishkill, New York
NYSDEC Site No. 314054, EPA ID NYD000707901

Dear Mr. Cotter:

The Department of Environmental Conservation (Department) has reviewed the Retro-Fit Activities Work Plan submitted by Walden Environmental Engineering, PLLC on behalf of National Resources on April 10, 2020. The retrofit for La Milpa De Rosa space is located within the Building 330 Annex (Building 710). The retrofit will require the installation of new floor drainage lines and trenches. This work plan lays out the sampling required for the subsurface soils, and includes an Intrusive Activities Work Plan and Community Air Monitoring Plan. This work plan also includes indoor air quality testing in the space prior to tenant occupancy. However, without current sub-slab soil vapor data from beneath this building, the Departments are unable to conclude that the proposed indoor air sample locations will be representative of current air conditions within the building. Therefore, the Departments request that sub-slab vapor and indoor air samples be collected concurrently once the retrofit is complete.

This workplan is conditionally approved with the inclusion of the sub-slab vapor sampling. Please notify the Departments when work begins. If you have any questions, please feel free to contact me at (518) 402-9821.

Sincerely,

Jessica La Clair

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

ec: M. Buckley, iPark
C. Monheit, National Resources
N. Brew, Walden
J. Heaney, Walden
D. Chartrand, IBM
E. Lutz, GF

G. Marone, GF
S. Edwards, NYSDEC - DER
J. Armitage, NYSDEC - DER
B. Conlon, NYSDEC - OGC
J. Kenney, NYSDOH
M. Schuck, NYSDOH

ATTACHMENT B
60-DAY NOTIFICATION FOR BUILDING 710 (FORMER 330 LINK)
AND NYSDEC RESPONSE

Attachment to 60-Day Notification for Building 710 (formerly Building 330 Link)

Proposed Change of Use

Former IBM East Fishkill Facility – DEC Site ID No. 314054

Proposed Date for Change of Use Date

The proposed change of use date indicated on the form is iPark East Fishkill LLC's (iPark) tentative target date, recognizing that State approval is required before the work activities can begin. Upon approval from the State, iPark plans to proceed with the modifications to Building 710 (former Building 330 Link) while satisfying all NYSDEC requirements that must be fulfilled prior to tenant occupancy for a food manufacturing operation.

Description of Proposed Change of Use

iPark proposes to lease the first floor of Building 710 (former Building 330 Link) at the iPark 84 site (Former IBM East Fishkill Facility) to a food manufacturing operation. Building 710 (former Building 330 Link) was formerly used by IBM for data operations and offices; the space is currently vacant. The locations of Building 710 and the planned food manufacturing area are called out on the attached site figures.

iPark does not plan to disturb the existing floor slab in the proposed Building 710 food manufacturing space as part of the fit up. The floors will be sealed and the HVAC systems serving the food manufacturing space will be modified. Additional details on the proposed modifications will be provided as the plans are developed.

Discussion of How the Proposed Change of Use Will Not Affect the Remedial Program at the Former IBM East Fishkill Facility

IBM and iPark have performed indoor air quality testing in various portions of Buildings 700 (former Building 330D) and 775 (former Building 330C), spaces located on either side of Building 710 (former Building 330 Link) as part of the RFI Work Plan (IBM testing) and pre-occupancy testing (iPark for the Country Produce and Crepini spaces). IBM installed and currently operates Sub-Slab Depressurization Systems (SSDS) in Buildings 700 and 755 in order to mitigate sub-slab vapors containing elevated concentrations of VOCs from beneath the Crepini space (in 80K Area), Country Produce space, and adjoining areas.

iPark will coordinate with IBM to perform sampling to evaluate and characterize environmental and health risks associated with Building 710. If the fit out of the food manufacturing space involves any trenching or disturbance of soils beneath the floor slab (not anticipated at this time) sampling would be conducted prior to any interior trenching and drainage work and a special requirements CAMP would be

implemented during any indoor intrusive activities. If intrusive activities are required, a work plan would be submitted to the State for review and approval.

Once the interior modifications are completed, indoor air sampling will be performed. The indoor air quality testing results will be evaluated to verify that indoor air quality is acceptable before the tenant takes occupancy and to determine the need for mitigation. Appropriate mitigation measures will be designed and installed if necessary.

N

SITE PLAN
N.T.S.

Walden Environmental Engineering

WALDEN ENVIRONMENTAL ENGINEERING, PLLC
iPARK 84 CAMPUS, 200 NORTH DRIVE, SUITE #108
HOPEWELL JUNCTION, NEW YORK 12533
P: (845) 253-8025; (516) 624-7200
F: (516) 624-3219
WWW.WALDENENVIRONMENTALENGINEERING.COM

REVISION		
No.	DATE	COMMENTS

FOR:
BUILDING 710 (FORMER 330 LINK)
iPark 84 Campus
2070 State Route 52
Hopewell Junction, NY 12533

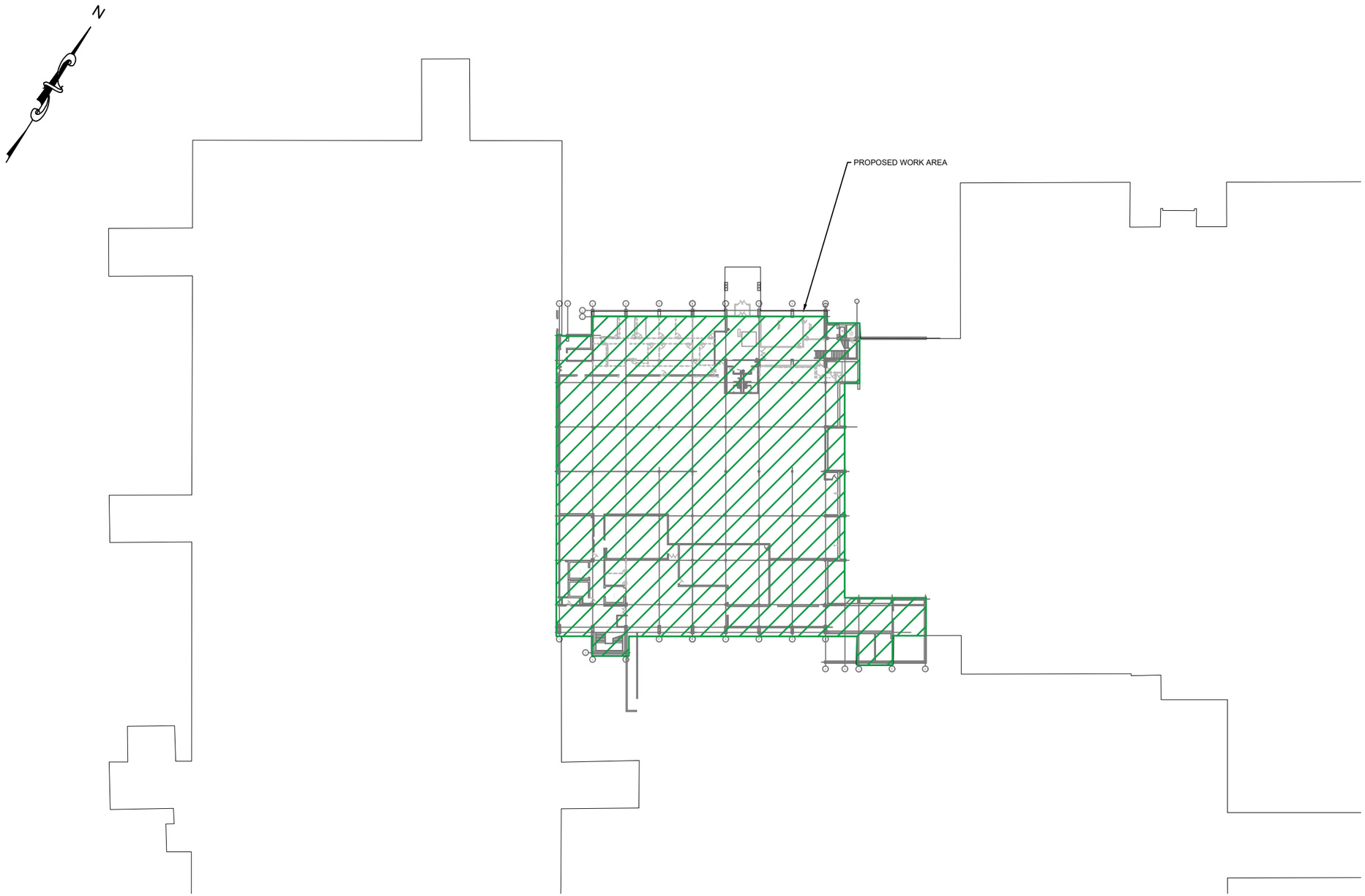
DRAWING TITLE:
SITE PLAN
BUILDING 710- FOOD MANUFACTURING OPERATION

FIGURE NO: 1

ISSUED

REVISION NO: 0

DESIGNED BY: NMB	DRAWN BY: EJK	JOB NO: IPARK0118.41	DATE: 11/26/19	11x17
APPROVED BY: JMH	SCALE: AS NOTED	CAD FILE NAME: Z:\iPark0118\iPark0118.41 Bldg 710 former 330 Link\ACAD\iPark0118.41 Bldg 710 former 330 Link.dwg		SHEET NO: 1 OF 2



LEGEND

- FOOD MANUFACTURING OPERATION

BLDG 710 (FORMERLY 330 LINK) FOOD MANUFACTURING OPERATION

SCALE: 1" = 80'-0"

0 40 80 160 240

SCALE: 1"=80'

Walden Environmental Engineering

WALDEN ENVIRONMENTAL ENGINEERING, PLLC
iPARK 84 CAMPUS, 200 NORTH DRIVE, SUITE #108
HOPEWELL JUNCTION, NEW YORK 12533
P: (845) 253-8025; (516) 624-7200
F: (516) 624-3219
WWW.WALDENENVIRONMENTALENGINEERING.COM

REVISION		
No.	DATE	COMMENTS

FOR:
BUILDING 710 (FORMER 330 LINK)
iPark 84 Campus
2070 State Route 52
Hopewell Junction, NY 12533

DESIGNED BY: NMB | DRAWN BY: EJK
APPROVED BY: JMH | SCALE: AS NOTED

DRAWING TITLE:
WORK AREA
BUILDING 710- FOOD MANUFACTURING OPERATION

JOB NO: IPARK0118.41 | DATE: 11/26/19 | 11x17 | SHEET NO: 2 OF 2

CAD FILE NAME: Z:\iPark0118\iPark0118.41 Bldg 710 former 330 Link\ACAD\iPark0118.41 Bldg 710 former 330 Link.dwg

FIGURE NO: 2

ISSUED

REVISION NO: 0

nbrew@Walden-Associates.com

From: LaClair, Jess A (DEC) <jess.laclair@dec.ny.gov>
Sent: Friday, December 20, 2019 11:00 AM
To: Nora Brew; jcotter@nationalresources.com
Cc: Mike Buckley; Carl Monheit; Dean Chartrand; Gary Marone; Erica M Johnston; Kenney, Julia M (HEALTH); Edwards, Susan L (DEC); Schuck, Maureen E (HEALTH); Conlon, Benjamin (DEC)
Subject: RE: iPark 84 - 60 Day Advance Notification - Building 710 (Formerly 330 Link) Food Manufacturing Operation

Nora and Joe

The Departments have received and reviewed the 60 day notice for change of use for a portion of Building **330 Link**. NR will be modifying the HVAC system and sealing the floors. It appears that the conceptual path forward lays out the additional indoor air sampling that will be required before the space can be occupied. Once the data is received the Departments will review and determine if indoor air quality is acceptable for occupancy. As noted in the notice, NR is aware that any disturbance of the slab requires additional sub-slab sampling and a special requirements CAMP. The Departments would review and provide comments/approvals for the sampling plans**. Please also be aware that the indoor air sampling is for tenant occupancy for an industrial use and not specific to food manufacturing.**

If you have any questions, please feel free to contact me.

Jess

From: Nora Brew <nbrew@walden-associates.com>
Sent: Tuesday, November 26, 2019 4:24 PM
To: LaClair, Jess A (DEC) <jess.laclair@dec.ny.gov>; Kenney, Julia M (HEALTH) <julia.kenney@health.ny.gov>
Cc: Mike Buckley <mbuckley@nationalresources.com>; Carl Monheit <cmonheit@nationalresources.com>; Dean Chartrand <chartd@us.ibm.com>; Gary Marone <gary.marone@globalfoundries.com>; Erica M Johnston <ejohnston@walden-associates.com>
Subject: Re: iPark 84 - 60 Day Advance Notification - Building 710 (Formerly 330 Link) Food Manufacturing Operation

Jess,

The 60-day advance change of use notification is attached for a proposed food manufacturing operation in Building 710 (Formerly 330 Link). Please call me if you have any questions.

Nora

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

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ATTACHMENT C
HEALTH AND SAFETY PLAN
(available on request)

ATTACHMENT D

COMMUNITY AIR MONITORING PLAN (INCLUDING SPECIAL REQUIREMENTS)

iPARK 84
(FORMER IBM EAST FISHKILL FACILITY)

BUILDING 710 (FORMERLY 330 LINK) LA MILPA DE ROSA SPACE INTERIOR MODIFICATIONS
COMMUNITY AIR MONITORING PLAN (CAMP) WITH SPECIAL REQUIREMENTS

The following Community Air Monitoring Plan (CAMP) is based on NYSDEC's DER-10 Technical Guidance for Site Investigation and Remediation (May 2010) Appendix 1A: New York State Department of Health Generic Community Air Monitoring Plan, with modifications as appropriate for the scope of work to be performed at the iPark 84 Former IBM East Fishkill facility. Special requirements are included in this CAMP as the work will conducted indoors and tenants occupy other parts of the building.

Overview

A Community Air Monitoring Plan (CAMP) requires real-time monitoring for volatile organic compounds (VOCs) and particulates (i.e., dust) at the downwind perimeter of each designated work area when certain activities are in progress at contaminated sites. The CAMP is not intended for use in establishing action levels for worker respiratory protection. Rather, its intent is to provide a measure of protection for the downwind community (i.e., off-site receptors including residences and businesses and on-site workers not directly involved with the subject work activities) from potential airborne contaminant releases as a direct result of investigative and remedial work activities. The action levels specified herein require increased monitoring, corrective actions to abate emissions, and/or work shutdown. Additionally, the CAMP helps to confirm that work activities did not spread contamination off-site through the air.

The generic CAMP presented below will be sufficient to cover many, if not most, sites. Specific requirements should be reviewed for each situation in consultation with NYSDOH to ensure proper applicability. In some cases, a separate site-specific CAMP or supplement may be required. Depending upon the nature of contamination, chemical-specific monitoring with appropriately sensitive methods may be required. Depending upon the proximity of potentially exposed individuals, more stringent monitoring or response levels than those presented herein may be required. Special requirements will be necessary for work within 20 feet of potentially exposed individuals or structures and for indoor work with co-located residences or facilities. These requirements should be determined in consultation with NYSDOH.

Reliance on the CAMP should not preclude simple, common-sense measures to keep VOCs, dust, and odors at a minimum around the work areas.

Qualified Environmental Monitor Responsibilities

The qualified environmental monitor (QEM) shall be Walden Environmental Engineering, PLLC, whose designated employees will be responsible for implementing the CAMP and performing the on-site air

monitoring specified below. The QEM has the authority to stop work and shall be responsible for the air monitoring and daily calibration and maintenance of the equipment in accordance with the manufacturer's specifications. All instrumentation and equipment shall be maintained at all times in proper operating condition. Copies of manufacturers' monitoring equipment specifications shall be maintained on-site at all times during the work and shall be attached to the on-site copy of the CAMP.

The QEM or designated representative shall document in the dedicated CAMP project log book each calibration event, any equipment and instrument malfunctions, unusual conditions, air monitoring station locations, any exceedances of action levels and countermeasures implemented. Dates and times must be well documented.

Ambient air monitoring shall be conducted upwind and downwind of the work area at the property perimeters for fugitive dust emissions and organic vapors during periods of excavation, other ground intrusive activities, placement of excavated materials in storage piles, and loading of transporting vehicles. If readings above established threshold levels are detected, the Contractor shall institute measures to control dust and/or organic vapors at no additional cost to the Owner. The measures utilized shall be subject to the approval of the Owner and Owner's designated representatives.

Any exceedance of a CAMP threshold or action level shall be recorded on the weekly reports which shall be submitted to NYSDEC and NYSDOH. The weekly reports shall include the instrument readings at the monitoring stations, location of the monitoring station where any exceedance was recorded, readings at upwind locations, duration of any elevated readings (i.e., number of 15-minute time-weighted exceedances), activities being performed at the time of any exceedances, and descriptions of countermeasures implemented to control the exceedance and prevent future occurrences.

The Contractor shall respond to exceedances of the CAMP action levels immediately.

Odor or dust complaints from any owner of an adjacent or nearby property shall be managed by the Contractor in a manner equivalent to an exceedance of an action level in the CAMP.

Community Air Monitoring Plan

Depending upon the nature of known or potential contaminants at each site, real-time air monitoring for volatile organic compounds (VOCs) and/or particulate levels at the perimeter of the exclusion zone or work area will be necessary. Most sites will involve VOC and particulate monitoring; sites known to be contaminated with heavy metals alone may only require particulate monitoring. If radiological contamination is a concern, additional monitoring requirements may be necessary per consultation with appropriate NYSDEC/NYSDOH staff.

Continuous monitoring will be required for all ground intrusive activities and during the demolition of contaminated or potentially contaminated structures. Ground intrusive activities include, but are not

limited to, soil/waste excavation and handling, test pitting or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be required during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. "Periodic" monitoring during sample collection might reasonably consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. In some instances, depending upon the proximity of potentially exposed individuals, continuous monitoring may be required during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) shall be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis or as otherwise specified. Upwind concentrations should be measured at the start of each workday and periodically thereafter to establish background conditions. The monitoring work should be performed using equipment such as a MiniRAE 2000 PID Portable VOC Monitor or other appropriate instrument to measure the types of contaminants known or suspected to be present. The equipment should be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment should be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

- If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring. □

- If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted. The source of vapors must be identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can only resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average. □

- If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown. Work methods and controls will be re-evaluated.

All 15-minute readings must be recorded and be available for State (DEC and DOH) personnel to review. Instantaneous readings, if any, used for decision purposes should also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate (dust) concentrations should be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring should be performed using real-time monitoring equipment (such as a portable particulate monitor EPAM 5000 or equal) capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment must be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

All readings must be recorded and be available for State (DEC and DOH) personnel to review.

Particulate concentrations shall be monitored at the upwind perimeter of an active work zone for background concentrations at the beginning and the end of the work day and at the downwind perimeter of an active work zone on a continuous basis during all ground intrusive activities. At any time, the Contractor will carry out dust and particulate control measures, such as water misting to prevent generation of dust and particulate matter during the work activities.

If the elevated levels of particulate matter are detected during the monitoring, corrective action is determined by the following levels:

- If the downwind PM-10 at a site perimeter location is 100 micrograms per cubic meter ($\mu g/m^3$) greater than background (upwind perimeter) for the 15-minute period of if airborne dust is observed leaving the perimeter of the work area, then dust suppression techniques must be employed. Work may continue with dust suppression techniques if the downwind PM-10 particulate level does not exceed 150 $\mu g/m^3$ above the upwind level and if no visible dust is migrating from the work area.

- If, after implementing dust suppression techniques, downwind PM-10 particulate levels are greater than 150 $\mu g/m^3$ above the upwind level, work must be stopped and re-evaluation of work activities initiated. Work can resume if dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 $\mu g/m^3$ of the upwind level and in preventing visible dust migration.

Additional CAMP Special Requirements

When work areas are within occupied structures, the continuous monitoring locations for VOCs and particulates must reflect the nearest potentially exposed individuals and the location of ventilation system intakes for nearby structures. The use of engineering controls such as vapor/dust barriers, temporary

negative-pressure enclosures, or special ventilation devices should be considered to prevent exposures related to the work activities and to control dust and odors. Consideration should be given to implementing the planned activities when potentially exposed populations are at a minimum, such as during weekends or evening hours in non-residential settings.

- If total VOC concentrations opposite the walls of occupied structures or next to intake vents exceed 1 ppm, monitoring should occur within the occupied structure(s). Depending upon the nature of contamination, chemical-specific colorimetric tubes of sufficient sensitivity may be necessary for comparing the exposure point concentrations with appropriate pre-determined response levels (response actions should also be predetermined). Background readings in the occupied spaces must be taken prior to commencement of the planned work. Any unusual background readings should be discussed with NYSDOH prior to commencement of the work.

- If total particulate concentrations opposite the walls of occupied structures or next to intake vents exceed 150 mcg/m3, work activities should be suspended until controls are implemented and are successful in reducing the total particulate concentration to 150 mcg/m3 or less at the monitoring point.

Additionally, the location of all exhaust vents in the room and their discharge points, as well as potential vapor pathways (openings, conduits, etc.) relative to adjoining rooms, should be understood and the monitoring locations established accordingly. In these situations, it is strongly recommended that exhaust fans or other engineering controls be used to create negative air pressure within the work area during remedial activities.

Summary

As noted above, air monitoring activities for the iPark 84 work described in the *Building 710 La Milpa De Rosa Space Retro-Fit Activities Work Plan* (Walden, April 2020) will be appropriate for the intrusive activities to be conducted in the Building 710 La Milpa space. Therefore, the CAMP and associated special requirements will encompass VOC and particulate monitoring during the indoor work beneath the concrete floor slab. CAMP reports will be submitted to NYSDEC and NYSDOH on a weekly basis during the Building 710 La Milpa space intrusive activities work.

APPENDIX B
Photolog

Photograph 1

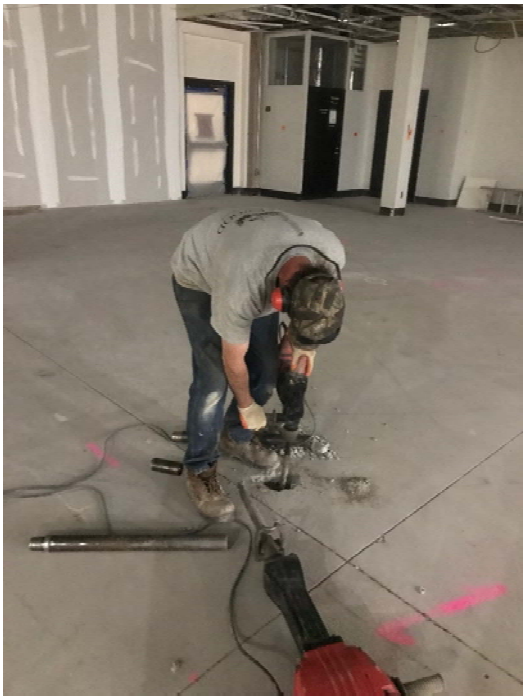
CAMP Station #1

Photograph 2

CAMP Station #2

Photograph 3

Drilling through concrete floor slab prior to collecting sub-slab soil for sample analysis.



Photograph 4

Drilling through concrete floor slab in order to install temporary sub-slab soil vapor points.

Photograph 5

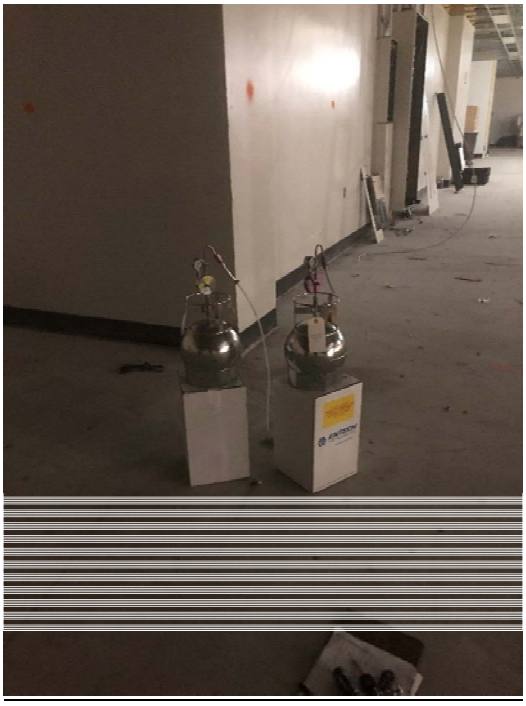
View of SSV-1/IA-1

Photograph 6

View of SSV-2/IA-2

Photograph 7

View of SSV-3/IA-3

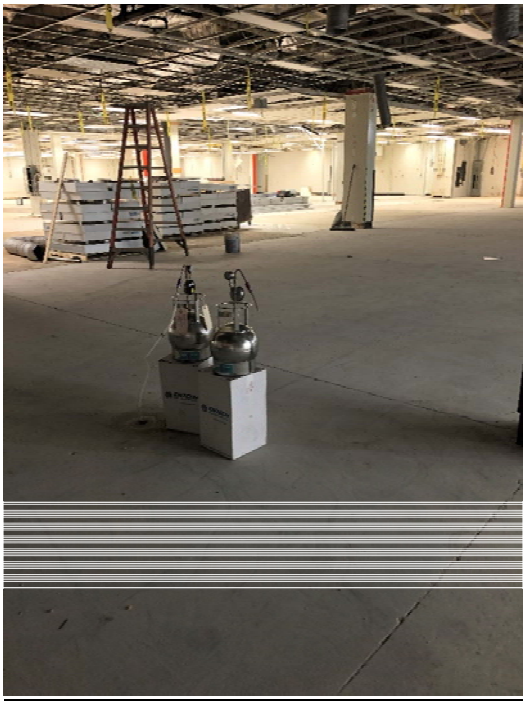


Photograph 8

View of SSV-4/IA-4

Photograph 9

View of SSV-5/IA-5



Photograph 10

View of SSV-6/IA-6

Photograph 11

View of SSV-7/IA-7

Photograph 12

View of AA-1

APPENDIX C
CAMP Data

WALDEN ENVIRONMENTAL ENGINEERING, PLLC
16 SPRING STREET
OYSTER BAY, NEW YORK 11771
P: (516) 624-7200 F: (516) 624-3219
WWW.WALDENENVIRONMENTALENGINEERING.COM

AIR MONITORING DAILY REPORT

PROJECT: IPARK0118.41	DATE: 5/14/20	DAY OF WEEK: Thursday
AGENCY: IPark / NYSDEC	WEATHER: Sunny, 50s	TEMPERARTURE: 50°
CONTRACTOR: Park + Lakewood	CONTACT: Danny	WIND: n/a, indoor work
SITE ADDRESS: Building 710 Lamilpa	AIR MONITOR'S NAME: SIGNATURE: LOU	

ALL INSTRUMENTS CALIBRATED TODAY. SEE FIELD BOOK

CAMP Sta. #1 DESCRIPTION OF WORK IN DETAIL

TIME/LOCATION		EQUIPMENT & READING		NOTES
0830		CAMP 1 → 0 mg/m³, 0.0 ppm		Background Readings
		" 2 → 0.016 mg/m³, 0.1 ppm		"
0845	1	0.0 mg/m³	0.0 ppm	Work area is being set up.
	2	0.024 mg/m³	0.0 ppm	Note: All Dust readings from
0900	1	15 ug/m³	0.0 ppm	0900 forward will be
	2	20 ug/m³	0.0 ppm	in ug/m³ + PID readings
0915	1	1	0.0	shall be expressed in ppm.
	2	19	0.0	
0930	1	0	0.0	
	2	14	0.1	
0945	1	4	0.0	Dust meter at camp station
	2	13	0.1	1 is showing negative conc.
1000	1	4	0.0	Re-zero + restart sand
	2	17	0.1	dust meter at 0940.
1015	1	4	0.0	Unit appears to be functioning
	2	34	0.1	properly.
1030	1	3	0.0	
	2	38	0.1	Contractor continues to drill
1045	1	~~0.1~~ 24	0.1	8 points for soil sampling
	2	~~0.1~~ 100	0.0	
1100	1	~~0.1~~ 1	0.0	drilling SS-5 cause spike in camp 2
	2	~~0.1~~ 14	0.1	
11:15	1	1	0.0	
	2	15	0.1	
1130	1	4	0.0	
	2	16	0.1	
1145	1	3	0.0	
	2	20	0.1	
1200	1	1	0.0	
	2	24	0.1	

WALDEN ENVIRONMENTAL ENGINEERING, PLLC
16 SPRING STREET
OYSTER BAY, NEW YORK 11771
P: (516) 624-7200 F: (516) 624-3219
WWW.WALDENENVIRONMENTALENGINEERING.COM

AIR MONITORING DAILY REPORT

PROJECT: IPARK0118.41	DATE: 5/14/2020	DAY OF WEEK: Thurs
AGENCY: Pacn / NYSDEC	WEATHER: Sunny	TEMPERARTURE: 63°F
CONTRACTOR: Lakewood	CONTACT: Danny	WIND: n/a indoor work
SITE ADDRESS: Bldg 710 La Mirada	AIR MONITOR'S NAME: Louis Goldstein SIGNATURE:	

DESCRIPTION OF WORK IN DETAIL

TIME/LOCATION	EQUIPMENT & READING (dust, ug/m3)	(PID ppm)	NOTES
1215 1	0	0.0	6
2	26	0.1	
1230 1	0	0.0	
2	34	0.1	
1245 1	0	0	
2	42	0.1	
1300 1	59	0.1	
2	0 (L3)	0 (L10)	
1315 1	0	0	
2	40	0.1	
1345 ~~1330~~ (L10) 1	(L10) ~~0~~ 3	0.0	Break from
2	147	0.1	
			Slight spike due to drilling adjacent to CMP Station. Added water to suppress dust.
1400 1	(L10) ~~0~~ 3	0.0	
2	56	0.1	
1415 1	4	0.0	
2	62	0.1	
1430 1	4	0.0	
2	39	0.1	
1445 1	3	0.0	
2	14	0.1	
1515 1	0	0.0	
2	14	0.1	Work concluded at 3:15pm end of day reading

Test 001

Instrument		Data Properties	
Model	DustTrak II	Start Date	05/14/2020
Instrument S/N	8530162204	Start Time	08:36:12
		Stop Date	05/14/2020
		Stop Time	09:36:12
		Total Time	0:01:00:00
		Logging Interval	900 seconds

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	05/14/2020	08:51:12	0.000
2	05/14/2020	09:06:12	0.001
3	05/14/2020	09:21:12	0.000
4	05/14/2020	09:36:12	-0.002

Test 002

Instrument		Data Properties	
Model	DustTrak II	Start Date	05/14/2020
Instrument S/N	8530162204	Start Time	09:39:39
		Stop Date	05/14/2020
		Stop Time	15:09:39
		Total Time	0:05:30:00
		Logging Interval	900 seconds

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	05/14/2020	09:54:39	0.005
2	05/14/2020	10:09:39	0.004
3	05/14/2020	10:24:39	0.004
4	05/14/2020	10:39:39	0.002
5	05/14/2020	10:54:39	0.001
6	05/14/2020	11:09:39	0.001
7	05/14/2020	11:24:39	0.001
8	05/14/2020	11:39:39	0.005
9	05/14/2020	11:54:39	0.003
10	05/14/2020	12:09:39	0.001
11	05/14/2020	12:24:39	0.000
12	05/14/2020	12:39:39	0.000
13	05/14/2020	12:54:39	0.001
14	05/14/2020	13:09:39	0.001
15	05/14/2020	13:24:39	0.000
16	05/14/2020	13:39:39	0.000
17	05/14/2020	13:54:39	0.001
18	05/14/2020	14:09:39	0.004
19	05/14/2020	14:24:39	0.004
20	05/14/2020	14:39:39	0.002
21	05/14/2020	14:54:39	0.001
22	05/14/2020	15:09:39	0.000

Test 001

Instrument		Data Properties	
Model	DustTrak II	Start Date	05/14/2020
Instrument S/N	8530162503	Start Time	08:26:05
		Stop Date	05/14/2020
		Stop Time	15:11:05
		Total Time	0:06:45:00
		Logging Interval	900 seconds

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	05/14/2020	08:41:05	0.022
2	05/14/2020	08:56:05	0.019
3	05/14/2020	09:11:05	0.018
4	05/14/2020	09:26:05	0.018
5	05/14/2020	09:41:05	0.017
6	05/14/2020	09:56:05	0.017
7	05/14/2020	10:11:05	0.030
8	05/14/2020	10:26:05	0.041
9	05/14/2020	10:41:05	0.026
10	05/14/2020	10:56:05	0.016
11	05/14/2020	11:11:05	0.020
12	05/14/2020	11:26:05	0.021
13	05/14/2020	11:41:05	0.035
14	05/14/2020	11:56:05	0.026
15	05/14/2020	12:11:05	0.025
16	05/14/2020	12:26:05	0.035
17	05/14/2020	12:41:05	0.046
18	05/14/2020	12:56:05	0.054
19	05/14/2020	13:11:05	0.044
20	05/14/2020	13:26:05	0.042
21	05/14/2020	13:41:05	0.064
22	05/14/2020	13:56:05	0.071
23	05/14/2020	14:11:05	0.061
24	05/14/2020	14:26:05	0.051
25	05/14/2020	14:41:05	0.014
26	05/14/2020	14:56:05	0.010
27	05/14/2020	15:11:05	0.013

```
============================================================
20/05/14 07:52
************************************************************
Summary
------------------------------------------------------------
Unit Name       MiniRAE 3000(PGM-7320)
Unit SN 592-912885
Unit Firmware Ver       V2.20A
------------------------------------------------------------
Running Mode    Hygiene Mode
Datalog Mode    Auto
Diagnostic Mode No
Stop Reason     Power Down
------------------------------------------------------------
Site ID 12345678
User ID 12345678
------------------------------------------------------------
Begin   5/14/2020 07:52:08
End     5/14/2020 14:39:05
Sample Period(s)        900
Number of Records       27
------------------------------------------------------------
Sensor  PID(ppm)
Sensor SN       S023030540V1
Measure Type    Avg; Real
Span    100.0
Span 2  1000.0
Low Alarm       50.0
High Alarm      100.0
Over Alarm      15000.0
STEL Alarm      25.0
TWA Alarm       10.0
Measurement Gas Isobutylene
Calibration Time        5/14/2020 07:24
Peak    0.0
Min     0.0
Average 0.0

************************************************************
Datalog
                PID(ppm)        PID(ppm)
Index   Date/Time       (Avg)   (Real)
001     5/14/2020 08:07:08      0.0     0.0
002     5/14/2020 08:22:08      0.0     0.0
003     5/14/2020 08:37:08      0.0     0.0
004     5/14/2020 08:52:08      0.0     0.0
005     5/14/2020 09:07:08      0.0     0.0
006     5/14/2020 09:22:08      0.0     0.0
007     5/14/2020 09:37:08      0.0     0.0
008     5/14/2020 09:52:08      0.0     0.0
```

009	5/14/2020	10:07:08	0.0	0.0
010	5/14/2020	10:22:08	0.0	0.0
011	5/14/2020	10:37:08	0.0	0.0
012	5/14/2020	10:52:08	0.0	0.0
013	5/14/2020	11:07:08	0.0	0.0
014	5/14/2020	11:22:08	0.0	0.0
015	5/14/2020	11:37:08	0.0	0.0
016	5/14/2020	11:52:08	0.0	0.0
017	5/14/2020	12:07:08	0.0	0.0
018	5/14/2020	12:22:08	0.0	0.0
019	5/14/2020	12:37:08	0.0	0.0
020	5/14/2020	12:52:08	0.0	0.0
021	5/14/2020	13:07:08	0.0	0.0
022	5/14/2020	13:22:08	0.0	0.0
023	5/14/2020	13:37:08	0.0	0.0
024	5/14/2020	13:52:08	0.0	0.0
025	5/14/2020	14:07:08	0.0	0.0
026	5/14/2020	14:22:08	0.0	0.0
027	5/14/2020	14:37:08	0.0	0.0
Peak			0.0	0.0
Min			0.0	0.0
Average			0.0	0.0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	5/14/2020 08:07:08	0.0	0.0
002	5/14/2020 08:22:08	0.0	0.0
003	5/14/2020 08:37:08	0.0	0.0
004	5/14/2020 08:52:08	0.0	0.0
005	5/14/2020 09:07:08	0.0	0.0
006	5/14/2020 09:22:08	0.0	0.0
007	5/14/2020 09:37:08	0.0	0.0
008	5/14/2020 09:52:08	0.0	0.0
009	5/14/2020 10:07:08	0.0	0.0
010	5/14/2020 10:22:08	0.0	0.0
011	5/14/2020 10:37:08	0.0	0.0
012	5/14/2020 10:52:08	0.0	0.0
013	5/14/2020 11:07:08	0.0	0.0
014	5/14/2020 11:22:08	0.0	0.0
015	5/14/2020 11:37:08	0.0	0.0
016	5/14/2020 11:52:08	0.0	0.0
017	5/14/2020 12:07:08	0.0	0.0
018	5/14/2020 12:22:08	0.0	0.0
019	5/14/2020 12:37:08	0.0	0.0
020	5/14/2020 12:52:08	0.0	0.0
021	5/14/2020 13:07:08	0.0	0.0
022	5/14/2020 13:22:08	0.0	0.0
023	5/14/2020 13:37:08	0.0	0.0

024	5/14/2020 13:52:08	0.0	0.0
025	5/14/2020 14:07:08	0.0	0.0
026	5/14/2020 14:22:08	0.0	0.0
027	5/14/2020 14:37:08	0.0	0.0

```
============================================================
20/05/14 08:22
************************************************************
Summary
------------------------------------------------------------
Unit Name       MiniRAE 3000(PGM-7320)
Unit SN 592-916594
Unit Firmware Ver       V1.20B
------------------------------------------------------------
Running Mode    Hygiene Mode
Measure Type    Avg; Real
Datalog Mode    Continuous
Datalog Type    Auto
Diagnostic Mode No
Stop Reason     Power Down
------------------------------------------------------------
Site ID 12345678
User ID 12345678
------------------------------------------------------------
Begin   5/14/2020 08:22:11
End     5/14/2020 15:30:49
Sample Period(s)        900
Number of Records       28
------------------------------------------------------------
Sensor  VOC(ppm)
Span    100.000
Span 2  N/A
Low Alarm       50.000
High Alarm      100.000
Over Alarm      15000.000
STEL Alarm      25.000
TWA Alarm       10.000
Measurement Gas Isobutylene
Calibration Time        5/14/2020 08:13
Peak    0.106
Min     0.036
Average 0.076

************************************************************
Datalog
                VOC(ppm)        VOC(ppm)
Index   Date/Time       (Avg)   (Real)
001     5/14/2020 08:37:11      0.064   0.076
002     5/14/2020 08:52:11      0.047   0.036
003     5/14/2020 09:07:11      0.038   0.037
004     5/14/2020 09:22:11      0.040   0.052
005     5/14/2020 09:37:11      0.049   0.055
006     5/14/2020 09:52:11      0.051   0.065
007     5/14/2020 10:07:11      0.058   0.061
008     5/14/2020 10:22:11      0.064   0.076
```

009	5/14/2020 10:37:11	0.074	0.074
010	5/14/2020 10:52:11	0.070	0.068
011	5/14/2020 11:07:11	0.069	0.066
012	5/14/2020 11:22:11	0.068	0.062
013	5/14/2020 11:37:11	0.068	0.070
014	5/14/2020 11:52:11	0.069	0.072
015	5/14/2020 12:07:11	0.073	0.068
016	5/14/2020 12:22:11	0.076	0.080
017	5/14/2020 12:37:11	0.079	0.071
018	5/14/2020 12:52:11	0.080	0.082
019	5/14/2020 13:07:11	0.088	0.089
020	5/14/2020 13:22:11	0.089	0.091
021	5/14/2020 13:37:11	0.089	0.089
022	5/14/2020 13:52:11	0.093	0.096
023	5/14/2020 14:07:11	0.095	0.096
024	5/14/2020 14:22:11	0.096	0.099
025	5/14/2020 14:37:11	0.098	0.105
026	5/14/2020 14:52:11	0.094	0.097
027	5/14/2020 15:07:11	0.092	0.093
028	5/14/2020 15:22:11	0.098	0.106
Peak		0.098	0.106
Min		0.038	0.036
Average		0.074	0.076

****

TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	5/14/2020 08:37:11	0.002	0.076
002	5/14/2020 08:52:11	0.003	0.112
003	5/14/2020 09:07:11	0.005	0.073
004	5/14/2020 09:22:11	0.006	0.089
005	5/14/2020 09:37:11	0.008	0.107
006	5/14/2020 09:52:11	0.010	0.120
007	5/14/2020 10:07:11	0.012	0.126
008	5/14/2020 10:22:11	0.014	0.137
009	5/14/2020 10:37:11	0.017	0.150
010	5/14/2020 10:52:11	0.019	0.142
011	5/14/2020 11:07:11	0.021	0.134
012	5/14/2020 11:22:11	0.023	0.128
013	5/14/2020 11:37:11	0.025	0.132
014	5/14/2020 11:52:11	0.027	0.142
015	5/14/2020 12:07:11	0.029	0.140
016	5/14/2020 12:22:11	0.032	0.148
017	5/14/2020 12:37:11	0.034	0.151
018	5/14/2020 12:52:11	0.037	0.153
019	5/14/2020 13:07:11	0.039	0.171
020	5/14/2020 13:22:11	0.042	0.180
021	5/14/2020 13:37:11	0.045	0.180
022	5/14/2020 13:52:11	0.048	0.185

023	5/14/2020 14:07:11	0.051	0.192
024	5/14/2020 14:22:11	0.054	0.195
025	5/14/2020 14:37:11	0.057	0.204
026	5/14/2020 14:52:11	0.060	0.202
027	5/14/2020 15:07:11	0.063	0.190
028	5/14/2020 15:22:11	0.067	0.199

APPENDIX D
Laboratory Analytical Reports

PHOENIX
Environmental Laboratories, Inc.

Thursday, May 21, 2020

Attn: Kerri Wright
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Project ID: **IPARK 0118.41 LAMILPA**
SDG ID: **GCF96989**
Sample ID#s: **CF96989 - CF97003**

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG Comments

May 21, 2020

SDG I.D.: GCF96989

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Sample Id Cross Reference

May 21, 2020

SDG I.D.: GCF96989

Project ID: IPARK 0118.41 LAMILPA

Client Id	Lab Id	Matrix
IA-02	CF96989	AIR
SSIA-02	CF96990	AIR
IA-03	CF96991	AIR
SSIA-01	CF96992	AIR
SSIA-05	CF96993	AIR
SSIA-07	CF96994	AIR
SSIA-03	CF96995	AIR
SSIA-04	CF96996	AIR
IA-05	CF96997	AIR
IA-07	CF96998	AIR
IA-04	CF96999	AIR
IA-06	CF97000	AIR
AA-01	CF97001	AIR
IA-01	CF97002	AIR
SSIA-06	CF97003	AIR

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

May 21, 2020

FOR: Attn: Kerri Wright
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	KAW	05/15/20	17:05
Location Code:	WALDENE-IPARK	Received by:	LB	05/18/20	16:05
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	23341				

Laboratory Data

SDG ID: GCF96989
Phoenix ID: CF96989

Project ID: IPARK 0118.41 LAMILPA
Client ID: IA-02

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	05/19/20	KCA	1
1,1-Dichloroethene	ND	*0.100*	0.100	ND	*0.40*	0.40	05/19/20	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	05/19/20	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
Acetone	5.95	*1.00*	1.00	14.1	*2.37*	2.37	05/19/20	KCA	1
Benzene	0.141	*0.050*	0.050	0.45	*0.16*	0.16	05/19/20	KCA	1
Carbon Tetrachloride	0.064	*0.020*	0.020	0.40	*0.13*	0.13	05/19/20	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	05/19/20	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	0.200	ND	*0.79*	0.79	05/19/20	KCA	1
Dichlorodifluoromethane	0.347	*0.200*	0.200	1.71	*0.99*	0.99	05/19/20	KCA	1
Ethylbenzene	ND	*0.150*	0.150	ND	*0.65*	0.65	05/19/20	KCA	1
m,p-Xylene	0.153	*0.150*	0.150	0.66	*0.65*	0.65	05/19/20	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	05/19/20	KCA	1
o-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	05/19/20	KCA	1
Tetrachloroethene	0.245	*0.100*	0.100	1.66	*0.68*	0.68	05/19/20	KCA	1
Toluene	0.245	*0.200*	0.200	0.92	*0.75*	0.75	05/19/20	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	05/19/20	KCA	1
Trichlorofluoromethane	0.347	*0.150*	0.150	1.95	*0.84*	0.84	05/19/20	KCA	1
Trichlorotrifluoroethane	0.276	*0.150*	0.150	2.11	*1.15*	1.15	05/19/20	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	05/19/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	99	*%*	%	99	*%*	%	05/19/20	KCA	1
% IS-1,4-Difluorobenzene	111	*%*	%	111	*%*	%	05/19/20	KCA	1
% IS-Bromochloromethane	108	*%*	%	108	*%*	%	05/19/20	KCA	1

Ver 1

Project ID: IPARK 0118.41 LAMILPA
Client ID: IA-02

Phoenix I.D.: CF96989

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	110	%	%	110	%	%	05/19/20	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
May 21, 2020
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

May 21, 2020

FOR: Attn: Kerri Wright
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	KAW	05/15/20	17:07
Location Code:	WALDENE-IPARK	Received by:	LB	05/18/20	16:05
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	230				

Laboratory Data

SDG ID: GCF96989
Phoenix ID: CF96990

Project ID: IPARK 0118.41 LAMILPA
Client ID: SSIA-02

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	0.446	*0.200*	0.200	2.43	*1.09*	1.09	05/19/20	KCA	1
1,1-Dichloroethene	ND	*0.100*	0.100	ND	*0.40*	0.40	05/19/20	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	05/19/20	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
Acetone	13.5	*1.00*	1.00	32.0	*2.37*	2.37	05/19/20	KCA	1
Benzene	0.213	*0.050*	0.050	0.68	*0.16*	0.16	05/19/20	KCA	1
Carbon Tetrachloride	0.708	*0.020*	0.020	4.45	*0.13*	0.13	05/19/20	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	05/19/20	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	0.200	ND	*0.79*	0.79	05/19/20	KCA	1
Dichlorodifluoromethane	23.6	*0.200*	0.200	117	*0.99*	0.99	05/19/20	KCA	1
Ethylbenzene	0.653	*0.150*	0.150	2.83	*0.65*	0.65	05/19/20	KCA	1
m,p-Xylene	3.43	*0.150*	0.150	14.9	*0.65*	0.65	05/19/20	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	05/19/20	KCA	1
o-Xylene	1.05	*0.150*	0.150	4.56	*0.65*	0.65	05/19/20	KCA	1
Tetrachloroethene	1.90	*0.100*	0.100	12.9	*0.68*	0.68	05/19/20	KCA	1
Toluene	0.285	*0.200*	0.200	1.07	*0.75*	0.75	05/19/20	KCA	1
Trichloroethene	0.247	*0.037*	0.037	1.33	*0.20*	0.20	05/19/20	KCA	1
Trichlorofluoromethane	10700	*67.5*	67.5	60100	*379*	379	05/20/20	KCA	450
Trichlorotrifluoroethane	93.4	*11.3*	11.3	715	*86.5*	86.5	05/19/20	KCA	75
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	05/19/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	99	*%*	%	99	*%*	%	05/19/20	KCA	1
% IS-1,4-Difluorobenzene	93	*%*	%	93	*%*	%	05/19/20	KCA	1
% IS-Bromochloromethane	88	*%*	%	88	*%*	%	05/19/20	KCA	1

Ver 1

Project ID: IPARK 0118.41 LAMILPA
Client ID: SSIA-02

Phoenix I.D.: CF96990

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	99	%	%	99	%	%	05/19/20	KCA	1
% Bromofluorobenzene (75x)	100	%	%	100	%	%	05/19/20	KCA	75
% IS-1,4-Difluorobenzene (75x)	107	%	%	107	%	%	05/19/20	KCA	75
% IS-Bromochloromethane (75x)	101	%	%	101	%	%	05/19/20	KCA	75
% IS-Chlorobenzene-d5 (75x)	108	%	%	108	%	%	05/19/20	KCA	75
% Bromofluorobenzene (225x)	98	%	%	98	%	%	05/20/20	KCA	225
% IS-1,4-Difluorobenzene (225x)	95	%	%	95	%	%	05/20/20	KCA	225
% IS-Bromochloromethane (225x)	91	%	%	91	%	%	05/20/20	KCA	225
% IS-Chlorobenzene-d5 (225x)	97	%	%	97	%	%	05/20/20	KCA	225
% Bromofluorobenzene (450x)	97	%	%	97	%	%	05/20/20	KCA	450
% IS-1,4-Difluorobenzene (450x)	85	%	%	85	%	%	05/20/20	KCA	450
% IS-Bromochloromethane (450x)	82	%	%	82	%	%	05/20/20	KCA	450
% IS-Chlorobenzene-d5 (450x)	88	%	%	88	%	%	05/20/20	KCA	450

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

May 21, 2020

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

May 21, 2020

FOR: Attn: Kerri Wright
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	KAW	05/15/20	16:37
Location Code:	WALDENE-IPARK	Received by:	LB	05/18/20	16:05
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	12854				

Laboratory Data

SDG ID: GCF96989
Phoenix ID: CF96991

Project ID: IPARK 0118.41 LAMILPA
Client ID: IA-03

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	05/19/20	KCA	1
1,1-Dichloroethene	ND	*0.100*	0.100	ND	*0.40*	0.40	05/19/20	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	05/19/20	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
Acetone	7.52	*1.00*	1.00	17.9	*2.37*	2.37	05/19/20	KCA	1
Benzene	0.123	*0.050*	0.050	0.39	*0.16*	0.16	05/19/20	KCA	1
Carbon Tetrachloride	0.068	*0.020*	0.020	0.43	*0.13*	0.13	05/19/20	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	05/19/20	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	0.200	ND	*0.79*	0.79	05/19/20	KCA	1
Dichlorodifluoromethane	0.345	*0.200*	0.200	1.71	*0.99*	0.99	05/19/20	KCA	1
Ethylbenzene	0.546	*0.150*	0.150	2.37	*0.65*	0.65	05/19/20	KCA	1
m,p-Xylene	2.29	*0.150*	0.150	9.9	*0.65*	0.65	05/19/20	KCA	1
Methylene Chloride	0.977	*0.400*	0.400	3.39	*1.39*	1.39	05/19/20	KCA	1
o-Xylene	0.568	*0.150*	0.150	2.46	*0.65*	0.65	05/19/20	KCA	1
Tetrachloroethene	0.201	*0.100*	0.100	1.36	*0.68*	0.68	05/19/20	KCA	1
Toluene	0.247	*0.200*	0.200	0.93	*0.75*	0.75	05/19/20	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	05/19/20	KCA	1
Trichlorofluoromethane	0.399	*0.150*	0.150	2.24	*0.84*	0.84	05/19/20	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	05/19/20	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	05/19/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	98	*%*	%	98	*%*	%	05/19/20	KCA	1
% IS-1,4-Difluorobenzene	101	*%*	%	101	*%*	%	05/19/20	KCA	1
% IS-Bromochloromethane	97	*%*	%	97	*%*	%	05/19/20	KCA	1

Ver 1

Project ID: IPARK 0118.41 LAMILPA
Client ID: IA-03

Phoenix I.D.: CF96991

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	101	%	%	101	%	%	05/19/20	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
May 21, 2020
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

May 21, 2020

FOR: Attn: Kerri Wright
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	KAW	05/15/20	17:03
Location Code:	WALDENE-IPARK	Received by:	LB	05/18/20	16:05
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	12860				

Laboratory Data

SDG ID: GCF96989
Phoenix ID: CF96992

Project ID: IPARK 0118.41 LAMILPA
Client ID: SSIA-01

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	05/19/20	KCA	1
1,1-Dichloroethene	ND	*0.100*	0.100	ND	*0.40*	0.40	05/19/20	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	05/19/20	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
Acetone	5.10	*1.00*	1.00	12.1	*2.37*	2.37	05/19/20	KCA	1
Benzene	0.111	*0.050*	0.050	0.35	*0.16*	0.16	05/19/20	KCA	1
Carbon Tetrachloride	0.025	*0.020*	0.020	0.16	*0.13*	0.13	05/19/20	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	05/19/20	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	0.200	ND	*0.79*	0.79	05/19/20	KCA	1
Dichlorodifluoromethane	12.1	*0.200*	0.200	59.8	*0.99*	0.99	05/19/20	KCA	1
Ethylbenzene	0.168	*0.150*	0.150	0.73	*0.65*	0.65	05/19/20	KCA	1
m,p-Xylene	0.868	*0.150*	0.150	3.77	*0.65*	0.65	05/19/20	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	05/19/20	KCA	1
o-Xylene	0.309	*0.150*	0.150	1.34	*0.65*	0.65	05/19/20	KCA	1
Tetrachloroethene	11.2	*0.100*	0.100	75.9	*0.68*	0.68	05/19/20	KCA	1
Toluene	ND	*0.200*	0.200	ND	*0.75*	0.75	05/19/20	KCA	1
Trichloroethene	0.086	*0.037*	0.037	0.46	*0.20*	0.20	05/19/20	KCA	1
Trichlorofluoromethane	0.624	*0.150*	0.150	3.50	*0.84*	0.84	05/19/20	KCA	1
Trichlorotrifluoroethane	9.69	*0.150*	0.150	74.2	*1.15*	1.15	05/19/20	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	05/19/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	101	*%*	%	101	*%*	%	05/19/20	KCA	1
% IS-1,4-Difluorobenzene	98	*%*	%	98	*%*	%	05/19/20	KCA	1
% IS-Bromochloromethane	95	*%*	%	95	*%*	%	05/19/20	KCA	1

Ver 1

Project ID: IPARK 0118.41 LAMILPA
Client ID: SSIA-01

Phoenix I.D.: CF96992

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	101	%	%	101	%	%	05/19/20	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
May 21, 2020
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

May 21, 2020

FOR: Attn: Kerri Wright
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	KAW	05/15/20	16:27
Location Code:	WALDENE-IPARK	Received by:	LB	05/18/20	16:05
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	474				

Laboratory Data

SDG ID: GCF96989
Phoenix ID: CF96993

Project ID: IPARK 0118.41 LAMILPA
Client ID: SSIA-05

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	05/19/20	KCA	1
1,1-Dichloroethene	ND	*0.100*	0.100	ND	*0.40*	0.40	05/19/20	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	05/19/20	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
Acetone	55.4	*52.5*	75.0	132	*125*	178	05/19/20	KCA	75
Benzene	0.193	*0.050*	0.050	0.62	*0.16*	0.16	05/19/20	KCA	1
Carbon Tetrachloride	0.050	*0.020*	0.020	0.31	*0.13*	0.13	05/19/20	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	05/19/20	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	0.200	ND	*0.79*	0.79	05/19/20	KCA	1
Dichlorodifluoromethane	1.95	*0.200*	0.200	9.6	*0.99*	0.99	05/19/20	KCA	1
Ethylbenzene	ND	*0.150*	0.150	ND	*0.65*	0.65	05/19/20	KCA	1
m,p-Xylene	0.388	*0.150*	0.150	1.68	*0.65*	0.65	05/19/20	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	05/19/20	KCA	1
o-Xylene	0.219	*0.150*	0.150	0.95	*0.65*	0.65	05/19/20	KCA	1
Tetrachloroethene	2.92	*0.100*	0.100	19.8	*0.68*	0.68	05/19/20	KCA	1
Toluene	ND	*0.200*	0.200	ND	*0.75*	0.75	05/19/20	KCA	1
Trichloroethene	0.043	*0.037*	0.037	0.23	*0.20*	0.20	05/19/20	KCA	1
Trichlorofluoromethane	12.5	*0.150*	0.150	70.2	*0.84*	0.84	05/19/20	KCA	1
Trichlorotrifluoroethane	2370	*11.3*	11.3	18200	*86.5*	86.5	05/19/20	KCA	75
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	05/19/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	101	*%*	%	101	*%*	%	05/19/20	KCA	1
% IS-1,4-Difluorobenzene	104	*%*	%	104	*%*	%	05/19/20	KCA	1
% IS-Bromochloromethane	98	*%*	%	98	*%*	%	05/19/20	KCA	1

Ver 1

Project ID: IPARK 0118.41 LAMILPA
Client ID: SSIA-05

Phoenix I.D.: CF96993

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	106	%	%	106	%	%	05/19/20	KCA	1
% Bromofluorobenzene (75x)	101	%	%	101	%	%	05/19/20	KCA	75
% IS-1,4-Difluorobenzene (75x)	102	%	%	102	%	%	05/19/20	KCA	75
% IS-Bromochloromethane (75x)	98	%	%	98	%	%	05/19/20	KCA	75
% IS-Chlorobenzene-d5 (75x)	100	%	%	100	%	%	05/19/20	KCA	75

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
May 21, 2020
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

May 21, 2020

FOR: Attn: Kerri Wright
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	KAW	05/15/20	16:40
Location Code:	WALDENE-IPARK	Received by:	LB	05/18/20	16:05
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	19930				

Laboratory Data

SDG ID: GCF96989
Phoenix ID: CF96994

Project ID: IPARK 0118.41 LAMILPA
Client ID: SSIA-07

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	05/19/20	KCA	1
1,1-Dichloroethene	ND	*0.100*	0.100	ND	*0.40*	0.40	05/19/20	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	05/19/20	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
Acetone	4.74	*1.00*	1.00	11.3	*2.37*	2.37	05/19/20	KCA	1
Benzene	0.178	*0.050*	0.050	0.57	*0.16*	0.16	05/19/20	KCA	1
Carbon Tetrachloride	0.033	*0.020*	0.020	0.21	*0.13*	0.13	05/19/20	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	05/19/20	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	0.200	ND	*0.79*	0.79	05/19/20	KCA	1
Dichlorodifluoromethane	3.00	*0.200*	0.200	14.8	*0.99*	0.99	05/19/20	KCA	1
Ethylbenzene	ND	*0.150*	0.150	ND	*0.65*	0.65	05/19/20	KCA	1
m,p-Xylene	0.409	*0.150*	0.150	1.77	*0.65*	0.65	05/19/20	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	05/19/20	KCA	1
o-Xylene	0.163	*0.150*	0.150	0.71	*0.65*	0.65	05/19/20	KCA	1
Tetrachloroethene	0.897	*0.100*	0.100	6.08	*0.68*	0.68	05/19/20	KCA	1
Toluene	ND	*0.200*	0.200	ND	*0.75*	0.75	05/19/20	KCA	1
Trichloroethene	0.464	*0.037*	0.037	2.49	*0.20*	0.20	05/19/20	KCA	1
Trichlorofluoromethane	1.06	*0.150*	0.150	5.95	*0.84*	0.84	05/19/20	KCA	1
Trichlorotrifluoroethane	6270	*43.8*	43.8	48000	*335*	335	05/20/20	KCA	292
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	05/19/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	101	*%*	%	101	*%*	%	05/19/20	KCA	1
% IS-1,4-Difluorobenzene	107	*%*	%	107	*%*	%	05/19/20	KCA	1
% IS-Bromochloromethane	100	*%*	%	100	*%*	%	05/19/20	KCA	1

Ver 1

Project ID: IPARK 0118.41 LAMILPA
Client ID: SSIA-07

Phoenix I.D.: CF96994

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	108	%	%	108	%	%	05/19/20	KCA	1
% Bromofluorobenzene (116.8x)	98	%	%	98	%	%	05/19/20	KCA	116.8
% IS-1,4-Difluorobenzene (116.8x)	100	%	%	100	%	%	05/19/20	KCA	116.8
% IS-Bromochloromethane (116.8x)	96	%	%	96	%	%	05/19/20	KCA	116.8
% IS-Chlorobenzene-d5 (116.8x)	101	%	%	101	%	%	05/19/20	KCA	116.8
% Bromofluorobenzene (292x)	100	%	%	100	%	%	05/20/20	KCA	292
% IS-1,4-Difluorobenzene (292x)	94	%	%	94	%	%	05/20/20	KCA	292
% IS-Bromochloromethane (292x)	93	%	%	93	%	%	05/20/20	KCA	292
% IS-Chlorobenzene-d5 (292x)	94	%	%	94	%	%	05/20/20	KCA	292

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
May 21, 2020
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

May 21, 2020

FOR: Attn: Kerri Wright
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	KAW	05/15/20	16:35
Location Code:	WALDENE-IPARK	Received by:	LB	05/18/20	16:05
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	13640				

Laboratory Data

SDG ID: GCF96989
Phoenix ID: CF96995

Project ID: IPARK 0118.41 LAMILPA
Client ID: SSIA-03

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	05/19/20	KCA	1
1,1-Dichloroethene	ND	*0.100*	0.100	ND	*0.40*	0.40	05/19/20	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	05/19/20	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
Acetone	97.4	*70.5*	70.5	231	*167*	167	05/19/20	KCA	70.5
Benzene	0.316	*0.050*	0.050	1.01	*0.16*	0.16	05/19/20	KCA	1
Carbon Tetrachloride	0.064	*0.020*	0.020	0.40	*0.13*	0.13	05/19/20	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	05/19/20	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	0.200	ND	*0.79*	0.79	05/19/20	KCA	1
Dichlorodifluoromethane	0.423	*0.200*	0.200	2.09	*0.99*	0.99	05/19/20	KCA	1
Ethylbenzene	0.225	*0.150*	0.150	0.98	*0.65*	0.65	05/19/20	KCA	1
m,p-Xylene	0.621	*0.150*	0.150	2.69	*0.65*	0.65	05/19/20	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	05/19/20	KCA	1
o-Xylene	0.334	*0.150*	0.150	1.45	*0.65*	0.65	05/19/20	KCA	1
Tetrachloroethene	2.04	*0.100*	0.100	13.8	*0.68*	0.68	05/19/20	KCA	1
Toluene	1.58	*0.200*	0.200	5.95	*0.75*	0.75	05/19/20	KCA	1
Trichloroethene	0.276	*0.037*	0.037	1.48	*0.20*	0.20	05/19/20	KCA	1
Trichlorofluoromethane	0.707	*0.150*	0.150	3.97	*0.84*	0.84	05/19/20	KCA	1
Trichlorotrifluoroethane	6.17	*0.150*	0.150	47.3	*1.15*	1.15	05/19/20	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	05/19/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	100	*%*	%	100	*%*	%	05/19/20	KCA	1
% IS-1,4-Difluorobenzene	106	*%*	%	106	*%*	%	05/19/20	KCA	1
% IS-Bromochloromethane	103	*%*	%	103	*%*	%	05/19/20	KCA	1

Ver 1

Project ID: IPARK 0118.41 LAMILPA
Client ID: SSIA-03

Phoenix I.D.: CF96995

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	110	%	%	110	%	%	05/19/20	KCA	1
% Bromofluorobenzene (70.5x)	97	%	%	97	%	%	05/19/20	KCA	70.5
% IS-1,4-Difluorobenzene (70.5x)	101	%	%	101	%	%	05/19/20	KCA	70.5
% IS-Bromochloromethane (70.5x)	99	%	%	99	%	%	05/19/20	KCA	70.5
% IS-Chlorobenzene-d5 (70.5x)	103	%	%	103	%	%	05/19/20	KCA	70.5

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
May 21, 2020
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

May 21, 2020

FOR: Attn: Kerri Wright
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	KAW	05/15/20	16:32
Location Code:	WALDENE-IPARK	Received by:	LB	05/18/20	16:05
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	19835				

Laboratory Data

SDG ID: GCF96989
Phoenix ID: CF96996

Project ID: IPARK 0118.41 LAMILPA
Client ID: SSIA-04

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	05/19/20	KCA	1
1,1-Dichloroethene	ND	*0.100*	0.100	ND	*0.40*	0.40	05/19/20	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	05/19/20	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
Acetone	20.7	*1.00*	1.00	49.1	*2.37*	2.37	05/19/20	KCA	1
Benzene	0.266	*0.050*	0.050	0.85	*0.16*	0.16	05/19/20	KCA	1
Carbon Tetrachloride	0.061	*0.020*	0.020	0.38	*0.13*	0.13	05/19/20	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	05/19/20	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	0.200	ND	*0.79*	0.79	05/19/20	KCA	1
Dichlorodifluoromethane	4.65	*0.200*	0.200	23.0	*0.99*	0.99	05/19/20	KCA	1
Ethylbenzene	ND	*0.150*	0.150	ND	*0.65*	0.65	05/19/20	KCA	1
m,p-Xylene	0.388	*0.150*	0.150	1.68	*0.65*	0.65	05/19/20	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	05/19/20	KCA	1
o-Xylene	0.168	*0.150*	0.150	0.73	*0.65*	0.65	05/19/20	KCA	1
Tetrachloroethene	3.18	*0.100*	0.100	21.6	*0.68*	0.68	05/19/20	KCA	1
Toluene	ND	*0.200*	0.200	ND	*0.75*	0.75	05/19/20	KCA	1
Trichloroethene	0.448	*0.037*	0.037	2.41	*0.20*	0.20	05/19/20	KCA	1
Trichlorofluoromethane	30.3	*0.150*	0.150	170	*0.84*	0.84	05/19/20	KCA	1
Trichlorotrifluoroethane	4670	*50.6*	50.6	35800	*388*	388	05/20/20	KCA	337.5
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	05/19/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	99	*%*	%	99	*%*	%	05/19/20	KCA	1
% IS-1,4-Difluorobenzene	111	*%*	%	111	*%*	%	05/19/20	KCA	1
% IS-Bromochloromethane	104	*%*	%	104	*%*	%	05/19/20	KCA	1

Ver 1

Project ID: IPARK 0118.41 LAMILPA
Client ID: SSIA-04

Phoenix I.D.: CF96996

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	112	%	%	112	%	%	05/19/20	KCA	1
% Bromofluorobenzene (67.5x)	98	%	%	98	%	%	05/19/20	KCA	67.5
% IS-1,4-Difluorobenzene (67.5x)	96	%	%	96	%	%	05/19/20	KCA	67.5
% IS-Bromochloromethane (67.5x)	91	%	%	91	%	%	05/19/20	KCA	67.5
% IS-Chlorobenzene-d5 (67.5x)	97	%	%	97	%	%	05/19/20	KCA	67.5
% Bromofluorobenzene (337.5x)	97	%	%	97	%	%	05/20/20	KCA	337.5
% IS-1,4-Difluorobenzene (337.5x)	91	%	%	91	%	%	05/20/20	KCA	337.5
% IS-Bromochloromethane (337.5x)	90	%	%	90	%	%	05/20/20	KCA	337.5
% IS-Chlorobenzene-d5 (337.5x)	93	%	%	93	%	%	05/20/20	KCA	337.5

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
May 21, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

May 21, 2020

FOR: Attn: Kerri Wright
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	KAW	05/15/20	16:25
Location Code:	WALDENE-IPARK	Received by:	LB	05/18/20	16:05
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	492				

Laboratory Data

SDG ID: GCF96989
Phoenix ID: CF96997

Project ID: IPARK 0118.41 LAMILPA
Client ID: IA-05

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	05/19/20	KCA	1
1,1-Dichloroethene	ND	*0.100*	0.100	ND	*0.40*	0.40	05/19/20	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	05/19/20	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
Acetone	7.35	*1.00*	1.00	17.4	*2.37*	2.37	05/19/20	KCA	1
Benzene	0.142	*0.050*	0.050	0.45	*0.16*	0.16	05/19/20	KCA	1
Carbon Tetrachloride	0.064	*0.020*	0.020	0.40	*0.13*	0.13	05/19/20	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	05/19/20	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	0.200	ND	*0.79*	0.79	05/19/20	KCA	1
Dichlorodifluoromethane	0.375	*0.200*	0.200	1.85	*0.99*	0.99	05/19/20	KCA	1
Ethylbenzene	ND	*0.150*	0.150	ND	*0.65*	0.65	05/19/20	KCA	1
m,p-Xylene	0.506	*0.150*	0.150	2.20	*0.65*	0.65	05/19/20	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	05/19/20	KCA	1
o-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	05/19/20	KCA	1
Tetrachloroethene	0.253	*0.100*	0.100	1.71	*0.68*	0.68	05/19/20	KCA	1
Toluene	0.334	*0.200*	0.200	1.26	*0.75*	0.75	05/19/20	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	05/19/20	KCA	1
Trichlorofluoromethane	0.345	*0.150*	0.150	1.94	*0.84*	0.84	05/19/20	KCA	1
Trichlorotrifluoroethane	0.153	*0.150*	0.150	1.17	*1.15*	1.15	05/19/20	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	05/19/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	98	*%*	%	98	*%*	%	05/19/20	KCA	1
% IS-1,4-Difluorobenzene	115	*%*	%	115	*%*	%	05/19/20	KCA	1
% IS-Bromochloromethane	111	*%*	%	111	*%*	%	05/19/20	KCA	1

Ver 1

Project ID: IPARK 0118.41 LAMILPA
Client ID: IA-05

Phoenix I.D.: CF96997

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	114	%	%	114	%	%	05/19/20	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

May 21, 2020

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

May 21, 2020

FOR: Attn: Kerri Wright
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	KAW	05/15/20	16:42
Location Code:	WALDENE-IPARK	Received by:	LB	05/18/20	16:05
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	19969				

Laboratory Data

SDG ID: GCF96989
Phoenix ID: CF96998

Project ID: IPARK 0118.41 LAMILPA
Client ID: IA-07

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	05/19/20	KCA	1
1,1-Dichloroethene	ND	*0.100*	0.100	ND	*0.40*	0.40	05/19/20	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	05/19/20	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
Acetone	6.81	*1.00*	1.00	16.2	*2.37*	2.37	05/19/20	KCA	1
Benzene	0.134	*0.050*	0.050	0.43	*0.16*	0.16	05/19/20	KCA	1
Carbon Tetrachloride	0.065	*0.020*	0.020	0.41	*0.13*	0.13	05/19/20	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	05/19/20	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	0.200	ND	*0.79*	0.79	05/19/20	KCA	1
Dichlorodifluoromethane	0.369	*0.200*	0.200	1.82	*0.99*	0.99	05/19/20	KCA	1
Ethylbenzene	ND	*0.150*	0.150	ND	*0.65*	0.65	05/19/20	KCA	1
m,p-Xylene	0.154	*0.150*	0.150	0.67	*0.65*	0.65	05/19/20	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	05/19/20	KCA	1
o-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	05/19/20	KCA	1
Tetrachloroethene	0.247	*0.100*	0.100	1.67	*0.68*	0.68	05/19/20	KCA	1
Toluene	0.398	*0.200*	0.200	1.50	*0.75*	0.75	05/19/20	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	05/19/20	KCA	1
Trichlorofluoromethane	0.357	*0.150*	0.150	2.00	*0.84*	0.84	05/19/20	KCA	1
Trichlorotrifluoroethane	0.163	*0.150*	0.150	1.25	*1.15*	1.15	05/19/20	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	05/19/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	101	*%*	%	101	*%*	%	05/19/20	KCA	1
% IS-1,4-Difluorobenzene	112	*%*	%	112	*%*	%	05/19/20	KCA	1
% IS-Bromochloromethane	110	*%*	%	110	*%*	%	05/19/20	KCA	1

Ver 1

Project ID: IPARK 0118.41 LAMILPA
Client ID: IA-07

Phoenix I.D.: CF96998

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	111	%	%	111	%	%	05/19/20	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.

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Phyllis Shiller, Laboratory Director

May 21, 2020

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

May 21, 2020

FOR: Attn: Kerri Wright
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	KAW	05/15/20	15:44
Location Code:	WALDENE-IPARK	Received by:	LB	05/18/20	16:05
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	28578				

Laboratory Data

SDG ID: GCF96989
Phoenix ID: CF96999

Project ID: IPARK 0118.41 LAMILPA
Client ID: IA-04

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	05/19/20	KCA	1
1,1-Dichloroethene	ND	*0.100*	0.100	ND	*0.40*	0.40	05/19/20	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	05/19/20	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
Acetone	6.96	*1.00*	1.00	16.5	*2.37*	2.37	05/19/20	KCA	1
Benzene	0.142	*0.050*	0.050	0.45	*0.16*	0.16	05/19/20	KCA	1
Carbon Tetrachloride	0.067	*0.020*	0.020	0.42	*0.13*	0.13	05/19/20	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	05/19/20	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	0.200	ND	*0.79*	0.79	05/19/20	KCA	1
Dichlorodifluoromethane	0.367	*0.200*	0.200	1.81	*0.99*	0.99	05/19/20	KCA	1
Ethylbenzene	ND	*0.150*	0.150	ND	*0.65*	0.65	05/19/20	KCA	1
m,p-Xylene	0.205	*0.150*	0.150	0.89	*0.65*	0.65	05/19/20	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	05/19/20	KCA	1
o-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	05/19/20	KCA	1
Tetrachloroethene	0.268	*0.100*	0.100	1.82	*0.68*	0.68	05/19/20	KCA	1
Toluene	0.372	*0.200*	0.200	1.40	*0.75*	0.75	05/19/20	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	05/19/20	KCA	1
Trichlorofluoromethane	0.359	*0.150*	0.150	2.02	*0.84*	0.84	05/19/20	KCA	1
Trichlorotrifluoroethane	0.156	*0.150*	0.150	1.19	*1.15*	1.15	05/19/20	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	05/19/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	99	*%*	%	99	*%*	%	05/19/20	KCA	1
% IS-1,4-Difluorobenzene	105	*%*	%	105	*%*	%	05/19/20	KCA	1
% IS-Bromochloromethane	102	*%*	%	102	*%*	%	05/19/20	KCA	1

Ver 1

Project ID: IPARK 0118.41 LAMILPA
Client ID: IA-04

Phoenix I.D.: CF96999

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	105	%	%	105	%	%	05/19/20	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.

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Phyllis Shiller, Laboratory Director
May 21, 2020
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

May 21, 2020

FOR: Attn: Kerri Wright
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	KAW	05/15/20	15:30
Location Code:	WALDENE-IPARK	Received by:	LB	05/18/20	16:05
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	455				

Laboratory Data

SDG ID: GCF96989
Phoenix ID: CF97000

Project ID: IPARK 0118.41 LAMILPA
Client ID: IA-06

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	05/19/20	KCA	1
1,1-Dichloroethene	ND	*0.100*	0.100	ND	*0.40*	0.40	05/19/20	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	05/19/20	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
Acetone	7.03	*1.00*	1.00	16.7	*2.37*	2.37	05/19/20	KCA	1
Benzene	0.139	*0.050*	0.050	0.44	*0.16*	0.16	05/19/20	KCA	1
Carbon Tetrachloride	0.065	*0.020*	0.020	0.41	*0.13*	0.13	05/19/20	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	05/19/20	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	0.200	ND	*0.79*	0.79	05/19/20	KCA	1
Dichlorodifluoromethane	0.378	*0.200*	0.200	1.87	*0.99*	0.99	05/19/20	KCA	1
Ethylbenzene	ND	*0.150*	0.150	ND	*0.65*	0.65	05/19/20	KCA	1
m,p-Xylene	0.154	*0.150*	0.150	0.67	*0.65*	0.65	05/19/20	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	05/19/20	KCA	1
o-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	05/19/20	KCA	1
Tetrachloroethene	0.258	*0.100*	0.100	1.75	*0.68*	0.68	05/19/20	KCA	1
Toluene	0.363	*0.200*	0.200	1.37	*0.75*	0.75	05/19/20	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	05/19/20	KCA	1
Trichlorofluoromethane	0.381	*0.150*	0.150	2.14	*0.84*	0.84	05/19/20	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	05/19/20	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	05/19/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	100	*%*	%	100	*%*	%	05/19/20	KCA	1
% IS-1,4-Difluorobenzene	106	*%*	%	106	*%*	%	05/19/20	KCA	1
% IS-Bromochloromethane	103	*%*	%	103	*%*	%	05/19/20	KCA	1

Ver 1

Project ID: IPARK 0118.41 LAMILPA
Client ID: IA-06

Phoenix I.D.: CF97000

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	107	%	%	107	%	%	05/19/20	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.
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Phyllis Shiller, Laboratory Director
May 21, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 21, 2020

FOR: Attn: Kerri Wright
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	KAW	05/15/20	16:49
Location Code:	WALDENE-IPARK	Received by:	LB	05/18/20	16:05
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	23352				

Laboratory Data

SDG ID: GCF96989
Phoenix ID: CF97001

Project ID: IPARK 0118.41 LAMILPA
Client ID: AA-01

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	05/19/20	KCA	1
1,1-Dichloroethene	ND	*0.100*	0.100	ND	*0.40*	0.40	05/19/20	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	05/19/20	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
Acetone	2.47	*1.00*	1.00	5.86	*2.37*	2.37	05/19/20	KCA	1
Benzene	0.122	*0.050*	0.050	0.39	*0.16*	0.16	05/19/20	KCA	1
Carbon Tetrachloride	0.066	*0.020*	0.020	0.41	*0.13*	0.13	05/19/20	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	05/19/20	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	0.200	ND	*0.79*	0.79	05/19/20	KCA	1
Dichlorodifluoromethane	0.352	*0.200*	0.200	1.74	*0.99*	0.99	05/19/20	KCA	1
Ethylbenzene	ND	*0.150*	0.150	ND	*0.65*	0.65	05/19/20	KCA	1
m,p-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	05/19/20	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	05/19/20	KCA	1
o-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	05/19/20	KCA	1
Tetrachloroethene	ND	*0.100*	0.100	ND	*0.68*	0.68	05/19/20	KCA	1
Toluene	0.224	*0.200*	0.200	0.84	*0.75*	0.75	05/19/20	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	05/19/20	KCA	1
Trichlorofluoromethane	0.229	*0.150*	0.150	1.29	*0.84*	0.84	05/19/20	KCA	1
Trichlorotrifluoroethane	0.151	*0.150*	0.150	1.16	*1.15*	1.15	05/19/20	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	05/19/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	98	*%*	%	98	*%*	%	05/19/20	KCA	1
% IS-1,4-Difluorobenzene	106	*%*	%	106	*%*	%	05/19/20	KCA	1
% IS-Bromochloromethane	103	*%*	%	103	*%*	%	05/19/20	KCA	1

Ver 1

Project ID: IPARK 0118.41 LAMILPA
Client ID: AA-01

Phoenix I.D.: CF97001

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	106	%	%	106	%	%	05/19/20	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
May 21, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 21, 2020

FOR: Attn: Kerri Wright
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	KAW	05/15/20	16:35
Location Code:	WALDENE-IPARK	Received by:	LB	05/18/20	16:05
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	28613				

Laboratory Data

SDG ID: GCF96989
Phoenix ID: CF97002

Project ID: IPARK 0118.41 LAMILPA
Client ID: IA-01

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	05/19/20	KCA	1
1,1-Dichloroethene	ND	*0.100*	0.100	ND	*0.40*	0.40	05/19/20	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	05/19/20	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
Acetone	6.91	*1.00*	1.00	16.4	*2.37*	2.37	05/19/20	KCA	1
Benzene	0.132	*0.050*	0.050	0.42	*0.16*	0.16	05/19/20	KCA	1
Carbon Tetrachloride	0.066	*0.020*	0.020	0.41	*0.13*	0.13	05/19/20	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	05/19/20	KCA	1
Cis-1,2-Dichloroethene	ND	*0.200*	0.200	ND	*0.79*	0.79	05/19/20	KCA	1
Dichlorodifluoromethane	0.360	*0.200*	0.200	1.78	*0.99*	0.99	05/19/20	KCA	1
Ethylbenzene	ND	*0.150*	0.150	ND	*0.65*	0.65	05/19/20	KCA	1
m,p-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	05/19/20	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	05/19/20	KCA	1
o-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	05/19/20	KCA	1
Tetrachloroethene	0.247	*0.100*	0.100	1.67	*0.68*	0.68	05/19/20	KCA	1
Toluene	0.248	*0.200*	0.200	0.93	*0.75*	0.75	05/19/20	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	05/19/20	KCA	1
Trichlorofluoromethane	0.365	*0.150*	0.150	2.05	*0.84*	0.84	05/19/20	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	05/19/20	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	05/19/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	100	*%*	%	100	*%*	%	05/19/20	KCA	1
% IS-1,4-Difluorobenzene	104	*%*	%	104	*%*	%	05/19/20	KCA	1
% IS-Bromochloromethane	103	*%*	%	103	*%*	%	05/19/20	KCA	1

Ver 1

Project ID: IPARK 0118.41 LAMILPA
Client ID: IA-01

Phoenix I.D.: CF97002

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	105	%	%	105	%	%	05/19/20	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.

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Phyllis Shiller, Laboratory Director
May 21, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 21, 2020

FOR: Attn: Kerri Wright
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	KAW	05/15/20	15:06
Location Code:	WALDENE-IPARK	Received by:	LB	05/18/20	16:05
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	11289				

Laboratory Data

SDG ID: GCF96989
Phoenix ID: CF97003

Project ID: IPARK 0118.41 LAMILPA
Client ID: SSIA-06

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	05/19/20	KCA	1
1,1-Dichloroethene	ND	*0.100*	0.100	ND	*0.40*	0.40	05/19/20	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	05/19/20	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	05/19/20	KCA	1
Acetone	5.93	*1.00*	1.00	14.1	*2.37*	2.37	05/19/20	KCA	1
Benzene	0.150	*0.050*	0.050	0.48	*0.16*	0.16	05/19/20	KCA	1
Carbon Tetrachloride	0.050	*0.020*	0.020	0.31	*0.13*	0.13	05/19/20	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	05/19/20	KCA	1
Cis-1,2-Dichloroethene	11.0	*0.200*	0.200	43.6	*0.79*	0.79	05/19/20	KCA	1
Dichlorodifluoromethane	0.620	*0.200*	0.200	3.06	*0.99*	0.99	05/19/20	KCA	1
Ethylbenzene	ND	*0.150*	0.150	ND	*0.65*	0.65	05/19/20	KCA	1
m,p-Xylene	0.327	*0.150*	0.150	1.42	*0.65*	0.65	05/19/20	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	05/19/20	KCA	1
o-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	05/19/20	KCA	1
Tetrachloroethene	206	*1.00*	1.00	1400	*6.78*	6.78	05/20/20	KCA	10
Toluene	ND	*0.200*	0.200	ND	*0.75*	0.75	05/19/20	KCA	1
Trichloroethene	21.5	*0.037*	0.037	115	*0.20*	0.20	05/19/20	KCA	1
Trichlorofluoromethane	0.447	*0.150*	0.150	2.51	*0.84*	0.84	05/19/20	KCA	1
Trichlorotrifluoroethane	39.5	*0.150*	0.150	303	*1.15*	1.15	05/19/20	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	05/19/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	102	*%*	%	102	*%*	%	05/19/20	KCA	1
% IS-1,4-Difluorobenzene	100	*%*	%	100	*%*	%	05/19/20	KCA	1
% IS-Bromochloromethane	97	*%*	%	97	*%*	%	05/19/20	KCA	1

Ver 1

Project ID: IPARK 0118.41 LAMILPA
Client ID: SSIA-06

Phoenix I.D.: CF97003

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	104	%	%	104	%	%	05/19/20	KCA	1
% Bromofluorobenzene (10x)	100	%	%	100	%	%	05/20/20	KCA	10
% IS-1,4-Difluorobenzene (10x)	95	%	%	95	%	%	05/20/20	KCA	10
% IS-Bromochloromethane (10x)	93	%	%	93	%	%	05/20/20	KCA	10
% IS-Chlorobenzene-d5 (10x)	93	%	%	93	%	%	05/20/20	KCA	10

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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
May 21, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Canister Sampling Information

May 21, 2020

FOR: Attn: Kerri Wright
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Location Code: WALDENE-IPARK

SDG I.D.: GCF96989

Project ID: IPARK 0118.41 LAMILPA

						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-02	CF96989	23341	6.0L	7020	05/12/20	-30	-4	10.8	10.8	0.0	-30	-4	05/15/20 8:47	05/15/20 17:05
SSIA-02	CF96990	230	6.0L	4490	05/12/20	-30	-4	10.8	11.3	4.5	-30	-4	05/15/20 8:45	05/15/20 17:07
IA-03	CF96991	12854	6.0L	5600	05/12/20	-30	-4	10.8	10.9	0.9	-31	-3	05/15/20 8:24	05/15/20 16:37
SSIA-01	CF96992	12860	6.0L	7425	05/12/20	-30	-4	10.8	11.1	2.7	-30	-4	05/15/20 8:40	05/15/20 17:03
SSIA-05	CF96993	474	6.0L	7040	05/12/20	-30	-4	10.8	10.8	0.0	-29	-3	05/15/20 8:03	05/15/20 16:27
SSIA-07	CF96994	19930	6.0L	5041	05/12/20	-30	-3	10.8	10.8	0.0	-31	-3	05/15/20 8:19	05/15/20 16:40
SSIA-03	CF96995	13640	6.0L	5041	05/12/20	-30	-3	10.8	11.7	8.0	-30	-3	05/15/20 8:28	05/15/20 16:35
SSIA-04	CF96996	19835	6.0L	7016	05/12/20	-30	-3	10.8	11.3	4.5	-31	-2	05/15/20 8:12	05/15/20 16:32
IA-05	CF96997	492	6.0L	6990	05/12/20	-30	-3	10.8	10.8	0.0	-29	-3	05/15/20 8:05	05/15/20 16:25
IA-07	CF96998	19969	6.0L	3258	05/12/20	-30	-3	10.8	11.1	2.7	-31	-4	05/15/20 8:22	05/15/20 16:42
IA-04	CF96999	28578	6.0L	7015	05/12/20	-30	-5	10.8	11.2	3.6	-28	-3	05/15/20 8:09	05/15/20 15:44
IA-06	CF97000	455	6.0L	5043	05/12/20	-30	-3	10.8	11	1.8	-30	-3	05/15/20 7:55	05/15/20 15:30
AA-01	CF97001	23352	6.0L	3409	05/12/20	-30	-6	10.8	11.1	2.7	-30	-5	05/15/20 8:58	05/15/20 16:49
IA-01	CF97002	28613	6.0L	6995	05/12/20	-30	-5	10.8	10.9	0.9	-29	-3	05/15/20 8:37	05/15/20 16:35

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

NY # 11301

Canister Sampling Information

May 21, 2020

FOR: Attn: Kerri Wright
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Location Code: WALDENE-IPARK

SDG I.D.: GCF96989

Project ID: IPARK 0118.41 LAMILPA

						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
SSIA-06	CF97003	11289	6.0L	6976	05/12/20	-30	-1	10.8	11	1.8	-26	-1	05/15/20 8:00	05/15/20 15:06

Thursday, May 21, 2020

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCF96989 - 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

Received 5/13/20

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

[redacted]

P.O. # Page 1 of 2

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

Report to: Kerri Wright	**Project Name:** Park 0118.41 LaMilpa	**Data Format:** (Circle) Equis Excel Other:	
Customer: Walden Env.	**Invoice to:** Carl Monhait Park East Fishkill	**Requested Deliverable:** RCP ASP CAT B	
Address: 3070 Rte 52 Hopewell Junction NY 12533	485 West Putnam Ave Greenwich CT 06830	MCP NJ Deliverables	
	Sampled by: KAW	**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	
96989	IA-02	23341	6.0	-30	-4	7020	10.8	8:47	17:05	5/15	-30	-4	X		G	X	
96990	SSIA-02	230			-4	4490		8:45	17:07	5/15	-30	-4	X		G	X	
		28571				5600											
96991	IA-03	12854			-4	5614		8:24	16:37	5/15	-31	-3	X		G	X	
96992	SSIA-01	12860			-4	7425		8:40	17:03	5/15	-30	-4	X		G	X	
96993	SSIA-05	474			-4	7040		8:03	16:27	5/15	-29	-3	X		G	X	
96994	SSIA-07	19930			-3	5394		8:19	16:40	5/15	-31	-3	X		G	X	
96995	SSIA-03	13640			-3	5041		8:28	16:35	5/15	-30	-3	X		G	X	
96996	SSIA-04	19835			-3	7016		8:12	16:32	5/15	-31	-2	X		G	X	
96997	IA-05	492			-3	6990		8:05	16:25	5/15	-29	-3	X		G	X	

Relinquished by:	Accepted by:	Date:	Time:
Kerri Ann Wright	[redacted]	5/18/20	13:40
[redacted]	[redacted]	5/18/20	16:05

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

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 TAC RES SVVC I/C SVVC RES GWV I/C GWV CES	**Indoor Air:** Residential Ind/Commercial **Soil Gas:** Residential Ind/Commercial	**Indoor Air:** Residential Ind/Commercial **Soil Gas:** Residential Ind/Commercial	Vapor Intrusion	**Indoor Air** Residential Non-resicential	**Indoor Air** Residential Industrial **Sub-slab** Residential Industrial

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:

(10)(6.0)
(SH)
IND-CERT

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

Received 5/13/20

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: Kerri Wright	Project Name: iPark 0118.41 Lamilpa	Data Format: (Circle) Equis Excel Other:	
Customer: Walden Env. Eng	Invoice to: Carl Monheit iPark East Fishkill	Requested Deliverable: RCP ASP CAT B	
Address: 2070 Rt 52 Hopewell Junction NY 12533	485 West Putnam Ave Greenwich CT 06830	MCP NJ Deliverables	
	Sampled by: KAW	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	
96998	IA-07	19969	6.0	-30	-3	3258	10.8	8:22	16:42	5/15	-31	-4	X		G	X	
96999	IA-04	28578			-5	7015		8:09	15:44	5/15	-28	-3	X		G	X	
97000	IA-06	455			-3	5013		7:55	15:30	5/15	-30	-3	X		G	X	
		495				7023											
97001	AA-01	23352			-4	3409		8:58	16:49	5/15	-30	-5	X		G	X	
		12855				6984											
		28581				3263											
97002	IA-01	28613			-5	6995		8:37	16:35	5/15/20	-29	-3	X		G	X	
97003	SSIA-06	11289			-1	6976		8:00	15:06	5/15	-26	~~-5~~ -1 KW	X		G	X	
		28597				5389											

Relinquished by:	Accepted by:	Date:	Time:
Kelly Ann Wright		5/18/20	13:45
		5/18/20	16:05

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

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:**	**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

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:
(10)(60)
(8H)
IND-CERT

Wednesday, May 20, 2020

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

Project ID: **I PARK 0118.41**
SDG ID: **GCF96460**
Sample ID#s: **CF96460 - CF96464**

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.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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

May 20, 2020

SDG I.D.: GCF96460

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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

May 20, 2020

SDG I.D.: GCF96460

Project ID: I PARK 0118.41

Client Id	Lab Id	Matrix
SS-1 (1-2`)	CF96460	SOIL
SS-2 (1-2`)	CF96461	SOIL
SS-3 (1-2`)	CF96462	SOIL
SS-4 (1-2`)	CF96463	SOIL
SS-5 (3-4`)	CF96464	SOIL

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

May 20, 2020

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	05/14/20	13:00
Location Code:	WALDENE-IPARK	Received by:	LB	05/15/20	16:16
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	I PARK 0118.41				

Laboratory Data

SDG ID: GCF96460
Phoenix ID: CF96460

Project ID: I PARK 0118.41
Client ID: SS-1 (1-2`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Aluminum	16000	47	mg/Kg	10	05/16/20	EK	SW6010D
Antimony	< 3.1	3.1	mg/Kg	1	05/16/20	EK	SW6010D
Arsenic	4.28	0.63	mg/Kg	1	05/16/20	EK	SW6010D
Barium	55.0	0.31	mg/Kg	1	05/16/20	EK	SW6010D
Beryllium	< 0.25	0.25	mg/Kg	1	05/16/20	EK	SW6010D
Calcium	22600	47	mg/Kg	10	05/16/20	EK	SW6010D
Cadmium	2.12	0.31	mg/Kg	1	05/16/20	EK	SW6010D
Chromium	14.4	0.31	mg/Kg	1	05/16/20	EK	SW6010D
Cobalt	11.5	0.31	mg/Kg	1	05/16/20	EK	SW6010D
Copper	34.5	0.6	mg/kg	1	05/16/20	EK	SW6010D
Iron	35100	47	mg/Kg	10	05/16/20	EK	SW6010D
Lead	17.0	0.31	mg/Kg	1	05/16/20	EK	SW6010D
Magnesium	11500	47	mg/Kg	10	05/16/20	EK	SW6010D
Manganese	1720	31	mg/Kg	100	05/18/20	EK	SW6010D
Mercury	< 0.03	0.03	mg/Kg	2	05/18/20	RS	SW7471B
Nickel	27.1	0.31	mg/Kg	1	05/16/20	EK	SW6010D
Potassium	1250	4.7	mg/Kg	1	05/16/20	EK	SW6010D
Selenium	< 1.3	1.3	mg/Kg	1	05/16/20	EK	SW6010D
Silver	< 0.31	0.31	mg/Kg	1	05/16/20	EK	SW6010D
Sodium	165	4.7	mg/Kg	1	05/16/20	EK	SW6010D
Thallium	< 2.8	2.8	mg/Kg	1	05/16/20	EK	SW6010D
Vanadium	15.8	0.31	mg/Kg	1	05/16/20	EK	SW6010D
Zinc	75.3	0.6	mg/Kg	1	05/16/20	EK	SW6010D
Percent Solid	96		%		05/15/20	HB	SW846-%Solid
Soil Extraction for SVOA	Completed				05/15/20	RR/EE	SW3545A
Mercury Digestion	Completed				05/18/20	A/VT/RA/V	SW7471B
Total Metals Digest	Completed				05/15/20	S/AG	SW3050B

Ver 1

Project ID: I PARK 0118.41
Client ID: SS-1 (1-2`)

Phoenix I.D.: CF96460

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
1,1,1-Trichloroethane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
1,1,2-Trichloroethane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
1,1-Dichloroethane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
1,1-Dichloroethene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
1,1-Dichloropropene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2,3-Trichloropropane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2-Dibromoethane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2-Dichlorobenzene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2-Dichloroethane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2-Dichloropropane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
1,3-Dichlorobenzene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
1,3-Dichloropropane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
1,4-Dichlorobenzene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
2,2-Dichloropropane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
2-Chlorotoluene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
2-Hexanone	ND	29	ug/Kg	1	05/16/20	JLI	SW8260C	
2-Isopropyltoluene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	1
4-Chlorotoluene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
4-Methyl-2-pentanone	ND	29	ug/Kg	1	05/16/20	JLI	SW8260C	
Acetone	ND	29	ug/Kg	1	05/16/20	JLI	SW8260C	
Acrylonitrile	ND	12	ug/Kg	1	05/16/20	JLI	SW8260C	
Benzene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
Bromobenzene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
Bromochloromethane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
Bromodichloromethane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
Bromoform	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
Bromomethane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
Carbon Disulfide	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
Carbon tetrachloride	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
Chlorobenzene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
Chloroethane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
Chloroform	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
Chloromethane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
Dibromochloromethane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
Dibromomethane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
Dichlorodifluoromethane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
Ethylbenzene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
Hexachlorobutadiene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
Isopropylbenzene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
m&p-Xylene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
Methyl Ethyl Ketone	ND	29	ug/Kg	1	05/16/20	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	1	05/16/20	JLI	SW8260C	
Methylene chloride	ND	12	ug/Kg	1	05/16/20	JLI	SW8260C	
Naphthalene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
n-Butylbenzene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
n-Propylbenzene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
o-Xylene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
p-Isopropyltoluene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
sec-Butylbenzene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
Styrene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
tert-Butylbenzene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
Tetrachloroethene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	12	ug/Kg	1	05/16/20	JLI	SW8260C	
Toluene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
Total Xylenes	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	1	05/16/20	JLI	SW8260C	
Trichloroethene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
Trichlorofluoromethane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
Trichlorotrifluoroethane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
Vinyl chloride	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99		%	1	05/16/20	JLI	70 - 130 %	
% Bromofluorobenzene	87		%	1	05/16/20	JLI	70 - 130 %	
% Dibromofluoromethane	63		%	1	05/16/20	JLI	70 - 130 %	3
% Toluene-d8	96		%	1	05/16/20	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
1,2,4-Trichlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
1,2-Dichlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
1,2-Diphenylhydrazine	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D	
1,3-Dichlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
1,4-Dichlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
2,4,5-Trichlorophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
2,4,6-Trichlorophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
2,4-Dichlorophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
2,4-Dimethylphenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
2,4-Dinitrophenol	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D	
2,4-Dinitrotoluene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
2,6-Dinitrotoluene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
2-Chloronaphthalene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
2-Chlorophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
2-Methylnaphthalene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
2-Methylphenol (o-cresol)	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
2-Nitroaniline	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D	
2-Nitrophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D	

Project ID: I PARK 0118.41
Client ID: SS-1 (1-2`)

Phoenix I.D.: CF96460

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
3,3'-Dichlorobenzidine	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
3-Nitroaniline	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
4-Bromophenyl phenyl ether	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
4-Chloro-3-methylphenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
4-Chloroaniline	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
4-Nitroaniline	ND	540	ug/Kg	1	05/16/20	KCA	SW8270D
4-Nitrophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Acenaphthene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Acenaphthylene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Acetophenone	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Aniline	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
Anthracene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benz(a)anthracene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzidine	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzo(a)pyrene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzo(b)fluoranthene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzo(ghi)perylene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzo(k)fluoranthene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzoic acid	ND	680	ug/Kg	1	05/16/20	KCA	SW8270D
Benzyl butyl phthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Bis(2-chloroethyl)ether	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
Bis(2-chloroisopropyl)ether	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Carbazole	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
Chrysene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Dibenz(a,h)anthracene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Dibenzofuran	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Diethyl phthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Dimethylphthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Di-n-butylphthalate	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
Di-n-octylphthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Fluoranthene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Fluorene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Hexachlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Hexachlorobutadiene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Hexachlorocyclopentadiene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Hexachloroethane	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Isophorone	ND	11000	ug/Kg	1	05/16/20	KCA	SW8270D
Naphthalene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Nitrobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
N-Nitrosodimethylamine	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
N-Nitrosodiphenylamine	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
Pentachloronitrobenzene	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
Pentachlorophenol	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D

Project ID: I PARK 0118.41
Client ID: SS-1 (1-2`)

Phoenix I.D.: CF96460

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Phenanthrene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
Phenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
Pyrene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
Pyridine	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	35		%	1	05/16/20	KCA	30 - 130 %	
% 2-Fluorobiphenyl	75		%	1	05/16/20	KCA	30 - 130 %	
% 2-Fluorophenol	25		%	1	05/16/20	KCA	30 - 130 %	3
% Nitrobenzene-d5	76		%	1	05/16/20	KCA	30 - 130 %	
% Phenol-d5	68		%	1	05/16/20	KCA	30 - 130 %	
% Terphenyl-d14	98		%	1	05/16/20	KCA	30 - 130 %	
Field Extraction	Completed				05/14/20		SW5035A	1

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.

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

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample 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
May 20, 2020
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

May 20, 2020

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	05/14/20	12:30
Location Code:	WALDENE-IPARK	Received by:	LB	05/15/20	16:16
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	I PARK 0118.41				

Laboratory Data

SDG ID: GCF96460
Phoenix ID: CF96461

Project ID: I PARK 0118.41
Client ID: SS-2 (1-2`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Aluminum	12900	51	mg/Kg	10	05/16/20	EK	SW6010D
Antimony	< 3.4	3.4	mg/Kg	1	05/16/20	EK	SW6010D
Arsenic	4.59	0.67	mg/Kg	1	05/16/20	EK	SW6010D
Barium	39.8	0.34	mg/Kg	1	05/16/20	EK	SW6010D
Beryllium	< 0.27	0.27	mg/Kg	1	05/16/20	EK	SW6010D
Calcium	17500	51	mg/Kg	10	05/16/20	EK	SW6010D
Cadmium	1.91	0.34	mg/Kg	1	05/16/20	EK	SW6010D
Chromium	14.7	0.34	mg/Kg	1	05/16/20	EK	SW6010D
Cobalt	10.7	0.34	mg/Kg	1	05/16/20	EK	SW6010D
Copper	34.2	0.7	mg/kg	1	05/16/20	EK	SW6010D
Iron	28800	51	mg/Kg	10	05/16/20	EK	SW6010D
Lead	15.8	0.34	mg/Kg	1	05/16/20	EK	SW6010D
Magnesium	12800	51	mg/Kg	10	05/16/20	EK	SW6010D
Manganese	1050	3.4	mg/Kg	10	05/16/20	EK	SW6010D
Mercury	< 0.03	0.03	mg/Kg	2	05/18/20	RS	SW7471B
Nickel	23.7	0.34	mg/Kg	1	05/16/20	EK	SW6010D
Potassium	1330	5.1	mg/Kg	1	05/16/20	EK	SW6010D
Selenium	< 1.3	1.3	mg/Kg	1	05/16/20	EK	SW6010D
Silver	< 0.34	0.34	mg/Kg	1	05/16/20	EK	SW6010D
Sodium	118	5.1	mg/Kg	1	05/16/20	EK	SW6010D
Thallium	< 3.0	3.0	mg/Kg	1	05/16/20	EK	SW6010D
Vanadium	14.3	0.34	mg/Kg	1	05/16/20	EK	SW6010D
Zinc	66.9	0.7	mg/Kg	1	05/16/20	EK	SW6010D
Percent Solid	95		%		05/15/20	HB	SW846-%Solid
Soil Extraction for SVOA	Completed				05/15/20	RR/EE	SW3545A
Mercury Digestion	Completed				05/18/20	A/VT/RA/V	SW7471B
Total Metals Digest	Completed				05/15/20	S/AG	SW3050B

Ver 1

Project ID: I PARK 0118.41
Client ID: SS-2 (1-2`)

Phoenix I.D.: CF96461

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	
1,1,1-Trichloroethane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	
1,1,2-Trichloroethane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	
1,1-Dichloroethane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	
1,1-Dichloroethene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	
1,1-Dichloropropene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2,3-Trichloropropane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2-Dibromoethane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2-Dichlorobenzene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2-Dichloroethane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2-Dichloropropane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	
1,3-Dichlorobenzene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	
1,3-Dichloropropane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	
1,4-Dichlorobenzene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	
2,2-Dichloropropane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	
2-Chlorotoluene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	
2-Hexanone	ND	17	ug/Kg	1	05/16/20	JLI	SW8260C	
2-Isopropyltoluene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	1
4-Chlorotoluene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	
4-Methyl-2-pentanone	ND	17	ug/Kg	1	05/16/20	JLI	SW8260C	
Acetone	ND	17	ug/Kg	1	05/16/20	JLI	SW8260C	
Acrylonitrile	ND	6.7	ug/Kg	1	05/16/20	JLI	SW8260C	
Benzene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	
Bromobenzene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	
Bromochloromethane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	
Bromodichloromethane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	
Bromoform	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	
Bromomethane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	
Carbon Disulfide	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	
Carbon tetrachloride	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	
Chlorobenzene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	
Chloroethane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	
Chloroform	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	
Chloromethane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	
Dibromochloromethane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	
Dibromomethane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	
Dichlorodifluoromethane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	
Ethylbenzene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	
Hexachlorobutadiene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	
Isopropylbenzene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C	

Project ID: I PARK 0118.41
Client ID: SS-2 (1-2`)

Phoenix I.D.: CF96461

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
Methyl Ethyl Ketone	ND	17	ug/Kg	1	05/16/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	6.7	ug/Kg	1	05/16/20	JLI	SW8260C
Methylene chloride	ND	6.7	ug/Kg	1	05/16/20	JLI	SW8260C
Naphthalene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
n-Butylbenzene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
n-Propylbenzene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
o-Xylene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
p-Isopropyltoluene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
sec-Butylbenzene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
Styrene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
tert-Butylbenzene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
Tetrachloroethene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
Tetrahydrofuran (THF)	ND	6.7	ug/Kg	1	05/16/20	JLI	SW8260C
Toluene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
Total Xylenes	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	6.7	ug/Kg	1	05/16/20	JLI	SW8260C
Trichloroethene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
Trichlorofluoromethane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
Trichlorotrifluoroethane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
Vinyl chloride	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	1	05/16/20	JLI	70 - 130 %
% Bromofluorobenzene	87		%	1	05/16/20	JLI	70 - 130 %
% Dibromofluoromethane	91		%	1	05/16/20	JLI	70 - 130 %
% Toluene-d8	96		%	1	05/16/20	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
1,2,4-Trichlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
1,2-Dichlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
1,2-Diphenylhydrazine	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
1,3-Dichlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
1,4-Dichlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,4,5-Trichlorophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,4,6-Trichlorophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,4-Dichlorophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,4-Dimethylphenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,4-Dinitrophenol	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
2,4-Dinitrotoluene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,6-Dinitrotoluene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2-Chloronaphthalene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2-Chlorophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2-Methylnaphthalene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2-Methylphenol (o-cresol)	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2-Nitroaniline	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
2-Nitrophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D

Project ID: I PARK 0118.41
Client ID: SS-2 (1-2`)

Phoenix I.D.: CF96461

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
3,3'-Dichlorobenzidine	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
3-Nitroaniline	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
4-Bromophenyl phenyl ether	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
4-Chloro-3-methylphenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
4-Chloroaniline	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
4-Nitroaniline	ND	560	ug/Kg	1	05/16/20	KCA	SW8270D
4-Nitrophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Acenaphthene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Acenaphthylene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Acetophenone	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Aniline	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
Anthracene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benz(a)anthracene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzidine	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzo(a)pyrene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzo(b)fluoranthene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzo(ghi)perylene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzo(k)fluoranthene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzoic acid	ND	700	ug/Kg	1	05/16/20	KCA	SW8270D
Benzyl butyl phthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Bis(2-chloroethyl)ether	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
Bis(2-chloroisopropyl)ether	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Carbazole	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
Chrysene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Dibenz(a,h)anthracene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Dibenzofuran	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Diethyl phthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Dimethylphthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Di-n-butylphthalate	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
Di-n-octylphthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Fluoranthene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Fluorene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Hexachlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Hexachlorobutadiene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Hexachlorocyclopentadiene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Hexachloroethane	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Isophorone	ND	1000	ug/Kg	1	05/16/20	KCA	SW8270D
Naphthalene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Nitrobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
N-Nitrosodimethylamine	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
N-Nitrosodiphenylamine	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
Pentachloronitrobenzene	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
Pentachlorophenol	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D

Project ID: I PARK 0118.41
Client ID: SS-2 (1-2`)

Phoenix I.D.: CF96461

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Phenanthrene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
Phenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
Pyrene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
Pyridine	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	56		%	1	05/16/20	KCA	30 - 130 %	
% 2-Fluorobiphenyl	66		%	1	05/16/20	KCA	30 - 130 %	
% 2-Fluorophenol	69		%	1	05/16/20	KCA	30 - 130 %	
% Nitrobenzene-d5	69		%	1	05/16/20	KCA	30 - 130 %	
% Phenol-d5	75		%	1	05/16/20	KCA	30 - 130 %	
% Terphenyl-d14	83		%	1	05/16/20	KCA	30 - 130 %	
Field Extraction	Completed				05/14/20		SW5035A	1

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample 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

May 20, 2020

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

May 20, 2020

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	05/14/20	14:50
Location Code:	WALDENE-IPARK	Received by:	LB	05/15/20	16:16
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	I PARK 0118.41				

Laboratory Data

SDG ID: GCF96460
Phoenix ID: CF96462

Project ID: I PARK 0118.41
Client ID: SS-3 (1-2`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Aluminum	13700	52	mg/Kg	10	05/16/20	EK	SW6010D
Antimony	< 3.5	3.5	mg/Kg	1	05/16/20	EK	SW6010D
Arsenic	4.20	0.69	mg/Kg	1	05/16/20	EK	SW6010D
Barium	48.9	0.35	mg/Kg	1	05/16/20	EK	SW6010D
Beryllium	< 0.28	0.28	mg/Kg	1	05/16/20	EK	SW6010D
Calcium	15700	52	mg/Kg	10	05/16/20	EK	SW6010D
Cadmium	1.96	0.35	mg/Kg	1	05/16/20	EK	SW6010D
Chromium	15.1	0.35	mg/Kg	1	05/16/20	EK	SW6010D
Cobalt	11.2	0.35	mg/Kg	1	05/16/20	EK	SW6010D
Copper	38.9	0.7	mg/kg	1	05/16/20	EK	SW6010D
Iron	30300	52	mg/Kg	10	05/16/20	EK	SW6010D
Lead	18.0	0.35	mg/Kg	1	05/16/20	EK	SW6010D
Magnesium	8660	52	mg/Kg	10	05/16/20	EK	SW6010D
Manganese	1180	3.5	mg/Kg	10	05/16/20	EK	SW6010D
Mercury	< 0.03	0.03	mg/Kg	2	05/18/20	RS	SW7471B
Nickel	24.2	0.35	mg/Kg	1	05/16/20	EK	SW6010D
Potassium	1510	5.2	mg/Kg	1	05/16/20	EK	SW6010D
Selenium	< 1.4	1.4	mg/Kg	1	05/16/20	EK	SW6010D
Silver	< 0.35	0.35	mg/Kg	1	05/16/20	EK	SW6010D
Sodium	143	5.2	mg/Kg	1	05/16/20	EK	SW6010D
Thallium	< 3.1	3.1	mg/Kg	1	05/16/20	EK	SW6010D
Vanadium	14.5	0.35	mg/Kg	1	05/16/20	EK	SW6010D
Zinc	69.8	0.7	mg/Kg	1	05/16/20	EK	SW6010D
Percent Solid	96		%		05/15/20	HB	SW846-%Solid
Soil Extraction for SVOA	Completed				05/15/20	RR/EE	SW3545A
Mercury Digestion	Completed				05/18/20	A/VT/RA/\	SW7471B
Total Metals Digest	Completed				05/15/20	S/AG	SW3050B

Ver 1

Project ID: I PARK 0118.41
Client ID: SS-3 (1-2`)

Phoenix I.D.: CF96462

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	
1,1,1-Trichloroethane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	
1,1,2-Trichloroethane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	
1,1-Dichloroethane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	
1,1-Dichloroethene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	
1,1-Dichloropropene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2,3-Trichloropropane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2-Dibromoethane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2-Dichlorobenzene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2-Dichloroethane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2-Dichloropropane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	
1,3-Dichlorobenzene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	
1,3-Dichloropropane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	
1,4-Dichlorobenzene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	
2,2-Dichloropropane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	
2-Chlorotoluene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	
2-Hexanone	ND	23	ug/Kg	1	05/16/20	JLI	SW8260C	
2-Isopropyltoluene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	1
4-Chlorotoluene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	
4-Methyl-2-pentanone	ND	23	ug/Kg	1	05/16/20	JLI	SW8260C	
Acetone	ND	23	ug/Kg	1	05/16/20	JLI	SW8260C	
Acrylonitrile	ND	9.4	ug/Kg	1	05/16/20	JLI	SW8260C	
Benzene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	
Bromobenzene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	
Bromochloromethane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	
Bromodichloromethane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	
Bromoform	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	
Bromomethane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	
Carbon Disulfide	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	
Carbon tetrachloride	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	
Chlorobenzene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	
Chloroethane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	
Chloroform	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	
Chloromethane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	
Dibromochloromethane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	
Dibromomethane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	
Dichlorodifluoromethane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	
Ethylbenzene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	
Hexachlorobutadiene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	
Isopropylbenzene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C	

Project ID: I PARK 0118.41
Client ID: SS-3 (1-2`)

Phoenix I.D.: CF96462

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
Methyl Ethyl Ketone	ND	23	ug/Kg	1	05/16/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	9.4	ug/Kg	1	05/16/20	JLI	SW8260C
Methylene chloride	ND	9.4	ug/Kg	1	05/16/20	JLI	SW8260C
Naphthalene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
n-Butylbenzene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
n-Propylbenzene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
o-Xylene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
p-Isopropyltoluene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
sec-Butylbenzene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
Styrene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
tert-Butylbenzene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
Tetrachloroethene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
Tetrahydrofuran (THF)	ND	9.4	ug/Kg	1	05/16/20	JLI	SW8260C
Toluene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
Total Xylenes	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	9.4	ug/Kg	1	05/16/20	JLI	SW8260C
Trichloroethene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
Trichlorofluoromethane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
Vinyl chloride	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	1	05/16/20	JLI	70 - 130 %
% Bromofluorobenzene	88		%	1	05/16/20	JLI	70 - 130 %
% Dibromofluoromethane	75		%	1	05/16/20	JLI	70 - 130 %
% Toluene-d8	95		%	1	05/16/20	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
1,2,4-Trichlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
1,2-Dichlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
1,2-Diphenylhydrazine	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
1,3-Dichlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
1,4-Dichlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,4,5-Trichlorophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,4,6-Trichlorophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,4-Dichlorophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,4-Dimethylphenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,4-Dinitrophenol	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
2,4-Dinitrotoluene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,6-Dinitrotoluene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2-Chloronaphthalene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2-Chlorophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2-Methylnaphthalene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2-Methylphenol (o-cresol)	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2-Nitroaniline	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
2-Nitrophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D

Project ID: I PARK 0118.41
Client ID: SS-3 (1-2`)

Phoenix I.D.: CF96462

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
3,3'-Dichlorobenzidine	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
3-Nitroaniline	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
4-Bromophenyl phenyl ether	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
4-Chloro-3-methylphenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
4-Chloroaniline	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
4-Nitroaniline	ND	550	ug/Kg	1	05/16/20	KCA	SW8270D
4-Nitrophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Acenaphthene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Acenaphthylene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Acetophenone	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Aniline	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
Anthracene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benz(a)anthracene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzidine	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzo(a)pyrene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzo(b)fluoranthene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzo(ghi)perylene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzo(k)fluoranthene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzoic acid	ND	680	ug/Kg	1	05/16/20	KCA	SW8270D
Benzyl butyl phthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Bis(2-chloroethyl)ether	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
Bis(2-chloroisopropyl)ether	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Carbazole	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
Chrysene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Dibenz(a,h)anthracene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Dibenzofuran	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Diethyl phthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Dimethylphthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Di-n-butylphthalate	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
Di-n-octylphthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Fluoranthene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Fluorene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Hexachlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Hexachlorobutadiene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Hexachlorocyclopentadiene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Hexachloroethane	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Isophorone	ND	3700	ug/Kg	1	05/16/20	KCA	SW8270D
Naphthalene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Nitrobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
N-Nitrosodimethylamine	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
N-Nitrosodiphenylamine	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
Pentachloronitrobenzene	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
Pentachlorophenol	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D

Project ID: I PARK 0118.41
Client ID: SS-3 (1-2`)

Phoenix I.D.: CF96462

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Phenanthrene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
Phenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
Pyrene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
Pyridine	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	46		%	1	05/16/20	KCA	30 - 130 %	
% 2-Fluorobiphenyl	68		%	1	05/16/20	KCA	30 - 130 %	
% 2-Fluorophenol	51		%	1	05/16/20	KCA	30 - 130 %	
% Nitrobenzene-d5	75		%	1	05/16/20	KCA	30 - 130 %	
% Phenol-d5	78		%	1	05/16/20	KCA	30 - 130 %	
% Terphenyl-d14	97		%	1	05/16/20	KCA	30 - 130 %	
Field Extraction	Completed				05/14/20		SW5035A	1

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample 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

May 20, 2020

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

May 20, 2020

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	05/14/20	9:50
Location Code:	WALDENE-IPARK	Received by:	LB	05/15/20	16:16
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	I PARK 0118.41				

Laboratory Data

SDG ID: GCF96460
Phoenix ID: CF96463

Project ID: I PARK 0118.41
Client ID: SS-4 (1-2`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Aluminum	11000	51	mg/Kg	10	05/16/20	EK	SW6010D
Antimony	< 3.4	3.4	mg/Kg	1	05/16/20	EK	SW6010D
Arsenic	4.05	0.68	mg/Kg	1	05/16/20	EK	SW6010D
Barium	72.4	0.34	mg/Kg	1	05/16/20	EK	SW6010D
Beryllium	< 0.27	0.27	mg/Kg	1	05/16/20	EK	SW6010D
Calcium	61500	51	mg/Kg	10	05/16/20	EK	SW6010D
Cadmium	1.63	0.34	mg/Kg	1	05/16/20	EK	SW6010D
Chromium	19.6	0.34	mg/Kg	1	05/16/20	EK	SW6010D
Cobalt	9.50	0.34	mg/Kg	1	05/16/20	EK	SW6010D
Copper	29.4	0.7	mg/kg	1	05/16/20	EK	SW6010D
Iron	24000	51	mg/Kg	10	05/16/20	EK	SW6010D
Lead	35.2	0.34	mg/Kg	1	05/16/20	EK	SW6010D
Magnesium	17900	51	mg/Kg	10	05/16/20	EK	SW6010D
Manganese	645	3.4	mg/Kg	10	05/16/20	EK	SW6010D
Mercury	< 0.03	0.03	mg/Kg	2	05/18/20	RS	SW7471B
Nickel	20.0	0.34	mg/Kg	1	05/16/20	EK	SW6010D
Potassium	2460	5.1	mg/Kg	1	05/16/20	EK	SW6010D
Selenium	< 1.4	1.4	mg/Kg	1	05/16/20	EK	SW6010D
Silver	< 0.34	0.34	mg/Kg	1	05/16/20	EK	SW6010D
Sodium	343	5.1	mg/Kg	1	05/16/20	EK	SW6010D
Thallium	< 3.0	3.0	mg/Kg	1	05/16/20	EK	SW6010D
Vanadium	17.0	0.34	mg/Kg	1	05/16/20	EK	SW6010D
Zinc	53.4	0.7	mg/Kg	1	05/16/20	EK	SW6010D
Percent Solid	96		%		05/15/20	HB	SW846-%Solid
Soil Extraction for SVOA	Completed				05/15/20	RR/EE	SW3545A
Mercury Digestion	Completed				05/18/20	ค/VT/RA/ง	SW7471B
Total Metals Digest	Completed				05/15/20	S/AG	SW3050B

Ver 1

Project ID: I PARK 0118.41
Client ID: SS-4 (1-2`)

Phoenix I.D.: CF96463

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
1,1,1-Trichloroethane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
1,1,2-Trichloroethane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
1,1-Dichloroethane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
1,1-Dichloroethene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
1,1-Dichloropropene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2,3-Trichloropropane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2-Dibromoethane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2-Dichlorobenzene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2-Dichloroethane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2-Dichloropropane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
1,3-Dichlorobenzene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
1,3-Dichloropropane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
1,4-Dichlorobenzene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
2,2-Dichloropropane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
2-Chlorotoluene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
2-Hexanone	ND	28	ug/Kg	1	05/16/20	JLI	SW8260C	
2-Isopropyltoluene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	1
4-Chlorotoluene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
4-Methyl-2-pentanone	ND	28	ug/Kg	1	05/16/20	JLI	SW8260C	
Acetone	ND	28	ug/Kg	1	05/16/20	JLI	SW8260C	
Acrylonitrile	ND	11	ug/Kg	1	05/16/20	JLI	SW8260C	
Benzene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
Bromobenzene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
Bromochloromethane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
Bromodichloromethane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
Bromoform	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
Bromomethane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
Carbon Disulfide	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
Carbon tetrachloride	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
Chlorobenzene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
Chloroethane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
Chloroform	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
Chloromethane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
Dibromochloromethane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
Dibromomethane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
Dichlorodifluoromethane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
Ethylbenzene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
Hexachlorobutadiene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
Isopropylbenzene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	

Project ID: I PARK 0118.41
Client ID: SS-4 (1-2`)

Phoenix I.D.: CF96463

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
m&p-Xylene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
Methyl Ethyl Ketone	ND	28	ug/Kg	1	05/16/20	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	1	05/16/20	JLI	SW8260C	
Methylene chloride	ND	11	ug/Kg	1	05/16/20	JLI	SW8260C	
Naphthalene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
n-Butylbenzene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
n-Propylbenzene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
o-Xylene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
p-Isopropyltoluene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
sec-Butylbenzene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
Styrene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
tert-Butylbenzene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
Tetrachloroethene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	11	ug/Kg	1	05/16/20	JLI	SW8260C	
Toluene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
Total Xylenes	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	1	05/16/20	JLI	SW8260C	
Trichloroethene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
Trichlorofluoromethane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
Trichlorotrifluoroethane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
Vinyl chloride	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100		%	1	05/16/20	JLI	70 - 130 %	
% Bromofluorobenzene	89		%	1	05/16/20	JLI	70 - 130 %	
% Dibromofluoromethane	44		%	1	05/16/20	JLI	70 - 130 %	3
% Toluene-d8	96		%	1	05/16/20	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
1,2,4-Trichlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
1,2-Dichlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
1,2-Diphenylhydrazine	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D	
1,3-Dichlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
1,4-Dichlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
2,4,5-Trichlorophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
2,4,6-Trichlorophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
2,4-Dichlorophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
2,4-Dimethylphenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
2,4-Dinitrophenol	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D	
2,4-Dinitrotoluene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
2,6-Dinitrotoluene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
2-Chloronaphthalene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
2-Chlorophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
2-Methylnaphthalene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
2-Methylphenol (o-cresol)	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
2-Nitroaniline	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D	
2-Nitrophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D	

Project ID: I PARK 0118.41
Client ID: SS-4 (1-2`)

Phoenix I.D.: CF96463

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
3,3'-Dichlorobenzidine	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
3-Nitroaniline	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
4-Bromophenyl phenyl ether	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
4-Chloro-3-methylphenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
4-Chloroaniline	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
4-Nitroaniline	ND	550	ug/Kg	1	05/16/20	KCA	SW8270D
4-Nitrophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Acenaphthene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Acenaphthylene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Acetophenone	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Aniline	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
Anthracene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benz(a)anthracene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzidine	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzo(a)pyrene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzo(b)fluoranthene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzo(ghi)perylene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzo(k)fluoranthene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzoic acid	ND	690	ug/Kg	1	05/16/20	KCA	SW8270D
Benzyl butyl phthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Bis(2-chloroethyl)ether	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
Bis(2-chloroisopropyl)ether	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Carbazole	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
Chrysene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Dibenz(a,h)anthracene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Dibenzofuran	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Diethyl phthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Dimethylphthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Di-n-butylphthalate	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
Di-n-octylphthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Fluoranthene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Fluorene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Hexachlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Hexachlorobutadiene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Hexachlorocyclopentadiene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Hexachloroethane	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Isophorone	ND	21000	ug/Kg	1	05/16/20	KCA	SW8270D
Naphthalene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Nitrobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
N-Nitrosodimethylamine	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
N-Nitrosodiphenylamine	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
Pentachloronitrobenzene	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
Pentachlorophenol	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Phenanthrene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
Phenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
Pyrene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
Pyridine	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	25		%	1	05/16/20	KCA	30 - 130 %	3
% 2-Fluorobiphenyl	72		%	1	05/16/20	KCA	30 - 130 %	
% 2-Fluorophenol	<10		%	1	05/16/20	KCA	30 - 130 %	3
% Nitrobenzene-d5	74		%	1	05/16/20	KCA	30 - 130 %	
% Phenol-d5	38		%	1	05/16/20	KCA	30 - 130 %	
% Terphenyl-d14	96		%	1	05/16/20	KCA	30 - 130 %	
Field Extraction	Completed				05/14/20		SW5035A	1

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.

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

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample 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
May 20, 2020
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

May 20, 2020

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	05/14/20	11:15
Location Code:	WALDENE-IPARK	Received by:	LB	05/15/20	16:16
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	I PARK 0118.41				

Laboratory Data

SDG ID: GCF96460
Phoenix ID: CF96464

Project ID: I PARK 0118.41
Client ID: SS-5 (3-4`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Aluminum	11600	56	mg/Kg	10	05/16/20	EK	SW6010D
Antimony	< 3.8	3.8	mg/Kg	1	05/16/20	EK	SW6010D
Arsenic	3.94	0.75	mg/Kg	1	05/16/20	EK	SW6010D
Barium	45.2	0.38	mg/Kg	1	05/16/20	EK	SW6010D
Beryllium	< 0.30	0.30	mg/Kg	1	05/16/20	EK	SW6010D
Calcium	37400	56	mg/Kg	10	05/16/20	EK	SW6010D
Cadmium	1.72	0.38	mg/Kg	1	05/16/20	EK	SW6010D
Chromium	15.2	0.38	mg/Kg	1	05/16/20	EK	SW6010D
Cobalt	8.82	0.38	mg/Kg	1	05/16/20	EK	SW6010D
Copper	31.2	0.8	mg/kg	1	05/16/20	EK	SW6010D
Iron	25600	56	mg/Kg	10	05/16/20	EK	SW6010D
Lead	11.9	0.38	mg/Kg	1	05/16/20	EK	SW6010D
Magnesium	16300	56	mg/Kg	10	05/16/20	EK	SW6010D
Manganese	999	3.8	mg/Kg	10	05/16/20	EK	SW6010D
Mercury	< 0.03	0.03	mg/Kg	2	05/18/20	RS	SW7471B
Nickel	21.6	0.38	mg/Kg	1	05/16/20	EK	SW6010D
Potassium	1530	5.6	mg/Kg	1	05/16/20	EK	SW6010D
Selenium	< 1.5	1.5	mg/Kg	1	05/16/20	EK	SW6010D
Silver	< 0.38	0.38	mg/Kg	1	05/16/20	EK	SW6010D
Sodium	180	5.6	mg/Kg	1	05/16/20	EK	SW6010D
Thallium	< 3.4	3.4	mg/Kg	1	05/16/20	EK	SW6010D
Vanadium	14.0	0.38	mg/Kg	1	05/16/20	EK	SW6010D
Zinc	61.5	0.8	mg/Kg	1	05/16/20	EK	SW6010D
Percent Solid	95		%		05/15/20	HB	SW846-%Solid
Soil Extraction for SVOA	Completed				05/15/20	RR/EE	SW3545A
Mercury Digestion	Completed				05/18/20	ค/VT/RA/ง	SW7471B
Total Metals Digest	Completed				05/15/20	S/AG	SW3050B

Ver 1

Project ID: I PARK 0118.41
Client ID: SS-5 (3-4`)

Phoenix I.D.: CF96464

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	
1,1,1-Trichloroethane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	
1,1,2-Trichloroethane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	
1,1-Dichloroethane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	
1,1-Dichloroethene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	
1,1-Dichloropropene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2,3-Trichloropropane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2-Dibromoethane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2-Dichlorobenzene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2-Dichloroethane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	
1,2-Dichloropropane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	
1,3-Dichlorobenzene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	
1,3-Dichloropropane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	
1,4-Dichlorobenzene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	
2,2-Dichloropropane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	
2-Chlorotoluene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	
2-Hexanone	ND	33	ug/Kg	1	05/16/20	JLI	SW8260C	
2-Isopropyltoluene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	1
4-Chlorotoluene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	
4-Methyl-2-pentanone	ND	33	ug/Kg	1	05/16/20	JLI	SW8260C	
Acetone	ND	33	ug/Kg	1	05/16/20	JLI	SW8260C	
Acrylonitrile	ND	13	ug/Kg	1	05/16/20	JLI	SW8260C	
Benzene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	
Bromobenzene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	
Bromochloromethane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	
Bromodichloromethane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	
Bromoform	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	
Bromomethane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	
Carbon Disulfide	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	
Carbon tetrachloride	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	
Chlorobenzene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	
Chloroethane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	
Chloroform	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	
Chloromethane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	
Dibromochloromethane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	
Dibromomethane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	
Dichlorodifluoromethane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	
Ethylbenzene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	
Hexachlorobutadiene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	
Isopropylbenzene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C	

Project ID: I PARK 0118.41
Client ID: SS-5 (3-4`)

Phoenix I.D.: CF96464

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
Methyl Ethyl Ketone	ND	33	ug/Kg	1	05/16/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	13	ug/Kg	1	05/16/20	JLI	SW8260C
Methylene chloride	ND	13	ug/Kg	1	05/16/20	JLI	SW8260C
Naphthalene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
n-Butylbenzene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
n-Propylbenzene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
o-Xylene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
p-Isopropyltoluene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
sec-Butylbenzene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
Styrene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
tert-Butylbenzene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
Tetrachloroethene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
Tetrahydrofuran (THF)	ND	13	ug/Kg	1	05/16/20	JLI	SW8260C
Toluene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
Total Xylenes	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	13	ug/Kg	1	05/16/20	JLI	SW8260C
Trichloroethene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
Trichlorofluoromethane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
Trichlorotrifluoroethane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
Vinyl chloride	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	1	05/16/20	JLI	70 - 130 %
% Bromofluorobenzene	88		%	1	05/16/20	JLI	70 - 130 %
% Dibromofluoromethane	75		%	1	05/16/20	JLI	70 - 130 %
% Toluene-d8	95		%	1	05/16/20	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
1,2,4-Trichlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
1,2-Dichlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
1,2-Diphenylhydrazine	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
1,3-Dichlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
1,4-Dichlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,4,5-Trichlorophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,4,6-Trichlorophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,4-Dichlorophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,4-Dimethylphenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,4-Dinitrophenol	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
2,4-Dinitrotoluene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,6-Dinitrotoluene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2-Chloronaphthalene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2-Chlorophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2-Methylnaphthalene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2-Methylphenol (o-cresol)	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2-Nitroaniline	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
2-Nitrophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D

Project ID: I PARK 0118.41
Client ID: SS-5 (3-4`)

Phoenix I.D.: CF96464

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
3,3'-Dichlorobenzidine	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
3-Nitroaniline	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
4-Bromophenyl phenyl ether	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
4-Chloro-3-methylphenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
4-Chloroaniline	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
4-Nitroaniline	ND	560	ug/Kg	1	05/16/20	KCA	SW8270D
4-Nitrophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Acenaphthene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Acenaphthylene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Acetophenone	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Aniline	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
Anthracene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benz(a)anthracene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzidine	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzo(a)pyrene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzo(b)fluoranthene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzo(ghi)perylene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzo(k)fluoranthene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzoic acid	ND	700	ug/Kg	1	05/16/20	KCA	SW8270D
Benzyl butyl phthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Bis(2-chloroethyl)ether	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
Bis(2-chloroisopropyl)ether	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Carbazole	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
Chrysene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Dibenz(a,h)anthracene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Dibenzofuran	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Diethyl phthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Dimethylphthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Di-n-butylphthalate	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
Di-n-octylphthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Fluoranthene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Fluorene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Hexachlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Hexachlorobutadiene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Hexachlorocyclopentadiene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Hexachloroethane	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Isophorone	ND	1500	ug/Kg	1	05/16/20	KCA	SW8270D
Naphthalene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Nitrobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
N-Nitrosodimethylamine	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
N-Nitrosodiphenylamine	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
Pentachloronitrobenzene	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
Pentachlorophenol	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D

Project ID: I PARK 0118.41 Phoenix I.D.: CF96464
Client ID: SS-5 (3-4`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Phenanthrene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
Phenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
Pyrene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
Pyridine	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	21		%	1	05/16/20	KCA	30 - 130 %	3
% 2-Fluorobiphenyl	50		%	1	05/16/20	KCA	30 - 130 %	
% 2-Fluorophenol	30		%	1	05/16/20	KCA	30 - 130 %	
% Nitrobenzene-d5	48		%	1	05/16/20	KCA	30 - 130 %	
% Phenol-d5	51		%	1	05/16/20	KCA	30 - 130 %	
% Terphenyl-d14	69		%	1	05/16/20	KCA	30 - 130 %	
Field Extraction	Completed				05/14/20		SW5035A	1

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.

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

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample 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
May 20, 2020
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

QA/QC Report

May 20, 2020

QA/QC Data

SDG I.D.: GCF96460

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 530179 (mg/kg), QC Sample No: CF96351 2X (CF96460, CF96461, CF96462, CF96463, CF96464)														
Mercury - Soil	BRL	0.03	0.11	0.11	0	121	118	2.5	95.9	92.8	3.3	70 - 130	30	
Comment:														
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.														
QA/QC Batch 530099 (mg/kg), QC Sample No: CF96397 (CF96460, CF96461, CF96462, CF96463, CF96464)														
ICP Metals - Soil														
Aluminum	BRL	5.0	10500	13400	24.3	121	105	14.2	NC			75 - 125	35	
Antimony	BRL	3.3	<3.3	<3.5	NC	113	119	5.2	95.4			75 - 125	35	
Arsenic	BRL	0.67	5.41	6.18	13.3	117	103	12.7	102			75 - 125	35	
Barium	BRL	0.33	226	287	23.8	116	101	13.8	130			75 - 125	35	m
Beryllium	BRL	0.27	0.39	0.42	NC	118	102	14.5	105			75 - 125	35	
Cadmium	BRL	0.33	1.59	1.84	NC	115	101	13.0	101			75 - 125	35	
Calcium	BRL	5.0	8200	9150	11.0	113	99.1	13.1	NC			75 - 125	35	
Chromium	BRL	0.33	25.4	31.4	21.1	115	102	12.0	105			75 - 125	35	
Cobalt	BRL	0.33	8.46	9.73	14.0	121	103	16.1	102			75 - 125	35	
Copper	BRL	0.67	56.6	64.0	12.3	115	101	13.0	103			75 - 125	35	
Iron	BRL	5.0	17500	19200	9.30	112	98.2	13.1	NC			75 - 125	35	
Lead	BRL	0.33	235	298	23.6	119	103	14.4	108			75 - 125	35	
Magnesium	BRL	5.0	4010	5040	22.8	124	106	15.7	NC			75 - 125	35	
Manganese	BRL	0.33	266	275	3.30	114	98.6	14.5	121			75 - 125	35	
Nickel	BRL	0.33	16.7	18.2	8.60	119	102	15.4	105			75 - 125	35	
Potassium	BRL	5.0	2490	2970	17.6	120	103	15.2	NC			75 - 125	35	
Selenium	BRL	1.3	<1.3	<1.4	NC	120	104	14.3	102			75 - 125	35	
Silver	BRL	0.33	<0.33	<0.35	NC	113	99.5	12.7	102			75 - 125	35	
Sodium	BRL	5.0	151	179	17.0	106	86.7	20.0	NC			75 - 125	35	
Thallium	BRL	3.0	<3.0	<3.1	NC	116	102	12.8	99.5			75 - 125	35	
Vanadium	BRL	0.33	29.6	35.5	18.1	121	106	13.2	107			75 - 125	35	
Zinc	BRL	0.67	223	260	15.3	118	103	13.6	>130			75 - 125	35	m
Comment:														
Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.														

m = This parameter is outside laboratory MS/MSD specified recovery limits.

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

NY # 11301

QA/QC Report

May 20, 2020

QA/QC Data

SDG I.D.: GCF96460

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 530095 (ug/kg), QC Sample No: CF96385 (CF96460, CF96461, CF96462, CF96463, CF96464)											
Semivolatiles - Soil											
1,2,4,5-Tetrachlorobenzene	ND	230	65	71	8.8	75	71	5.5	40 - 140	30	
1,2,4-Trichlorobenzene	ND	230	61	67	9.4	71	69	2.9	40 - 140	30	
1,2-Dichlorobenzene	ND	180	52	58	10.9	64	62	3.2	40 - 140	30	
1,2-Diphenylhydrazine	ND	230	62	68	9.2	68	73	7.1	40 - 140	30	
1,3-Dichlorobenzene	ND	230	49	55	11.5	60	59	1.7	40 - 140	30	
1,4-Dichlorobenzene	ND	230	52	57	9.2	62	62	0.0	40 - 140	30	
2,4,5-Trichlorophenol	ND	230	85	93	9.0	94	87	7.7	40 - 140	30	
2,4,6-Trichlorophenol	ND	130	81	91	11.6	90	85	5.7	30 - 130	30	
2,4-Dichlorophenol	ND	130	75	83	10.1	86	81	6.0	30 - 130	30	
2,4-Dimethylphenol	ND	230	75	82	8.9	79	79	0.0	30 - 130	30	
2,4-Dinitrophenol	ND	230	86	97	12.0	88	51	53.2	30 - 130	30	r
2,4-Dinitrotoluene	ND	130	78	88	12.0	94	87	7.7	30 - 130	30	
2,6-Dinitrotoluene	ND	130	86	95	9.9	99	94	5.2	40 - 140	30	
2-Chloronaphthalene	ND	230	66	72	8.7	75	74	1.3	40 - 140	30	
2-Chlorophenol	ND	230	66	75	12.8	82	77	6.3	30 - 130	30	
2-Methylnaphthalene	ND	230	65	73	11.6	76	72	5.4	40 - 140	30	
2-Methylphenol (o-cresol)	ND	230	62	79	24.1	85	81	4.8	40 - 140	30	
2-Nitroaniline	ND	330	136	147	7.8	163	154	5.7	40 - 140	30	l,m
2-Nitrophenol	ND	230	77	83	7.5	84	76	10.0	40 - 140	30	
3&4-Methylphenol (m&p-cresol)	ND	230	71	80	11.9	86	81	6.0	30 - 130	30	
3,3'-Dichlorobenzidine	ND	130	78	83	6.2	109	108	0.9	40 - 140	30	
3-Nitroaniline	ND	330	77	91	16.7	119	114	4.3	40 - 140	30	
4,6-Dinitro-2-methylphenol	ND	230	82	93	12.6	88	63	33.1	30 - 130	30	r
4-Bromophenyl phenyl ether	ND	230	74	80	7.8	83	80	3.7	40 - 140	30	
4-Chloro-3-methylphenol	ND	230	80	87	8.4	90	84	6.9	30 - 130	30	
4-Chloroaniline	ND	230	51	59	14.5	73	73	0.0	40 - 140	30	
4-Chlorophenyl phenyl ether	ND	230	70	77	9.5	80	76	5.1	40 - 140	30	
4-Nitroaniline	ND	230	81	87	7.1	89	84	5.8	40 - 140	30	
4-Nitrophenol	ND	230	76	87	13.5	85	75	12.5	30 - 130	30	
Acenaphthene	ND	230	70	75	6.9	78	76	2.6	30 - 130	30	
Acenaphthylene	ND	130	69	75	8.3	78	80	2.5	40 - 140	30	
Acetophenone	ND	230	58	67	14.4	72	69	4.3	40 - 140	30	
Aniline	ND	330	33	43	26.3	65	60	8.0	40 - 140	30	l
Anthracene	ND	230	71	77	8.1	80	79	1.3	40 - 140	30	
Benz(a)anthracene	ND	230	74	81	9.0	86	97	12.0	40 - 140	30	
Benzidine	ND	330	<10	<10	NC	35	35	0.0	40 - 140	30	l,m
Benzo(a)pyrene	ND	130	80	87	8.4	94	115	20.1	40 - 140	30	
Benzo(b)fluoranthene	ND	160	88	94	6.6	102	121	17.0	40 - 140	30	
Benzo(ghi)perylene	ND	230	74	78	5.3	83	96	14.5	40 - 140	30	
Benzo(k)fluoranthene	ND	230	59	62	5.0	68	83	19.9	40 - 140	30	
Benzoic Acid	ND	670	83	102	20.5	18	<10	NC	30 - 130	30	m

QA/QC Data

SDG I.D.: GCF96460

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Benzyl butyl phthalate	ND	230	73	81	10.4	84	79	6.1	40 - 140	30	
Bis(2-chloroethoxy)methane	ND	230	61	68	10.9	70	68	2.9	40 - 140	30	
Bis(2-chloroethyl)ether	ND	130	48	55	13.6	55	54	1.8	40 - 140	30	
Bis(2-chloroisopropyl)ether	ND	230	43	46	6.7	49	48	2.1	40 - 140	30	
Bis(2-ethylhexyl)phthalate	ND	230	73	80	9.2	82	77	6.3	40 - 140	30	
Carbazole	ND	230	74	82	10.3	84	82	2.4	40 - 140	30	
Chrysene	ND	230	72	78	8.0	83	94	12.4	40 - 140	30	
Dibenz(a,h)anthracene	ND	130	76	79	3.9	88	93	5.5	40 - 140	30	
Dibenzofuran	ND	230	70	76	8.2	78	75	3.9	40 - 140	30	
Diethyl phthalate	ND	230	75	82	8.9	85	81	4.8	40 - 140	30	
Dimethylphthalate	ND	230	72	79	9.3	82	78	5.0	40 - 140	30	
Di-n-butylphthalate	ND	670	80	88	9.5	90	85	5.7	40 - 140	30	
Di-n-octylphthalate	ND	230	81	89	9.4	92	85	7.9	40 - 140	30	
Fluoranthene	ND	230	73	81	10.4	85	89	4.6	40 - 140	30	
Fluorene	ND	230	70	76	8.2	79	76	3.9	40 - 140	30	
Hexachlorobenzene	ND	130	68	73	7.1	78	74	5.3	40 - 140	30	
Hexachlorobutadiene	ND	230	60	64	6.5	68	68	0.0	40 - 140	30	
Hexachlorocyclopentadiene	ND	230	51	53	3.8	52	42	21.3	40 - 140	30	
Hexachloroethane	ND	130	48	54	11.8	59	57	3.4	40 - 140	30	
Indeno(1,2,3-cd)pyrene	ND	230	77	80	3.8	88	104	16.7	40 - 140	30	
Isophorone	ND	130	58	63	8.3	66	64	3.1	40 - 140	30	
Naphthalene	ND	230	58	64	9.8	66	66	0.0	40 - 140	30	
Nitrobenzene	ND	130	60	68	12.5	73	69	5.6	40 - 140	30	
N-Nitrosodimethylamine	ND	230	36	40	10.5	41	42	2.4	40 - 140	30	l
N-Nitrosodi-n-propylamine	ND	130	58	64	9.8	69	66	4.4	40 - 140	30	
N-Nitrosodiphenylamine	ND	130	78	87	10.9	90	85	5.7	40 - 140	30	
Pentachloronitrobenzene	ND	230	76	83	8.8	89	83	7.0	40 - 140	30	
Pentachlorophenol	ND	230	74	81	9.0	86	72	17.7	30 - 130	30	
Phenanthrene	ND	130	69	75	8.3	79	77	2.6	40 - 140	30	
Phenol	ND	230	63	71	11.9	77	71	8.1	30 - 130	30	
Pyrene	ND	230	77	85	9.9	89	95	6.5	30 - 130	30	
Pyridine	ND	230	30	34	12.5	33	34	3.0	40 - 140	30	l,m
% 2,4,6-Tribromophenol	45	%	76	83	8.8	81	75	7.7	30 - 130	30	
% 2-Fluorobiphenyl	65	%	59	63	6.6	64	64	0.0	30 - 130	30	
% 2-Fluorophenol	59	%	57	66	14.6	71	68	4.3	30 - 130	30	
% Nitrobenzene-d5	64	%	56	64	13.3	68	64	6.1	30 - 130	30	
% Phenol-d5	67	%	64	72	11.8	76	72	5.4	30 - 130	30	
% Terphenyl-d14	79	%	77	86	11.0	85	83	2.4	30 - 130	30	

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 530277 (ug/kg), QC Sample No: CF96090 (CF96460, CF96461, CF96462, CF96463, CF96464)

Volatiles - Soil (Low Level)

1,1,1,2-Tetrachloroethane	ND	5.0	91	92	1.1				70 - 130	30	
1,1,1-Trichloroethane	ND	5.0	82	85	3.6				70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	3.0	94	97	3.1				70 - 130	30	
1,1,2-Trichloroethane	ND	5.0	90	90	0.0				70 - 130	30	
1,1-Dichloroethane	ND	5.0	89	93	4.4				70 - 130	30	
1,1-Dichloroethene	ND	5.0	85	90	5.7				70 - 130	30	
1,1-Dichloropropene	ND	5.0	85	87	2.3				70 - 130	30	
1,2,3-Trichlorobenzene	ND	5.0	94	95	1.1				70 - 130	30	
1,2,3-Trichloropropane	ND	5.0	86	90	4.5				70 - 130	30	

QA/QC Data

SDG I.D.: GCF96460

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2,4-Trichlorobenzene	ND	5.0	96	97	1.0				70 - 130	30	
1,2,4-Trimethylbenzene	ND	1.0	91	95	4.3				70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	5.0	92	95	3.2				70 - 130	30	
1,2-Dibromoethane	ND	5.0	91	92	1.1				70 - 130	30	
1,2-Dichlorobenzene	ND	5.0	95	96	1.0				70 - 130	30	
1,2-Dichloroethane	ND	5.0	80	82	2.5				70 - 130	30	
1,2-Dichloropropane	ND	5.0	88	89	1.1				70 - 130	30	
1,3,5-Trimethylbenzene	ND	1.0	93	96	3.2				70 - 130	30	
1,3-Dichlorobenzene	ND	5.0	95	98	3.1				70 - 130	30	
1,3-Dichloropropane	ND	5.0	90	91	1.1				70 - 130	30	
1,4-Dichlorobenzene	ND	5.0	94	96	2.1				70 - 130	30	
2,2-Dichloropropane	ND	5.0	80	83	3.7				70 - 130	30	
2-Chlorotoluene	ND	5.0	94	97	3.1				70 - 130	30	
2-Hexanone	ND	25	70	74	5.6				70 - 130	30	
2-Isopropyltoluene	ND	5.0	90	94	4.3				70 - 130	30	
4-Chlorotoluene	ND	5.0	93	97	4.2				70 - 130	30	
4-Methyl-2-pentanone	ND	25	76	79	3.9				70 - 130	30	
Acetone	ND	10	67	71	5.8				70 - 130	30	I
Acrylonitrile	ND	5.0	82	87	5.9				70 - 130	30	
Benzene	ND	1.0	92	94	2.2				70 - 130	30	
Bromobenzene	ND	5.0	96	98	2.1				70 - 130	30	
Bromochloromethane	ND	5.0	97	99	2.0				70 - 130	30	
Bromodichloromethane	ND	5.0	87	88	1.1				70 - 130	30	
Bromoform	ND	5.0	94	96	2.1				70 - 130	30	
Bromomethane	ND	5.0	98	102	4.0				70 - 130	30	
Carbon Disulfide	ND	5.0	78	82	5.0				70 - 130	30	
Carbon tetrachloride	ND	5.0	82	86	4.8				70 - 130	30	
Chlorobenzene	ND	5.0	94	96	2.1				70 - 130	30	
Chloroethane	ND	5.0	69	73	5.6				70 - 130	30	I
Chloroform	ND	5.0	86	89	3.4				70 - 130	30	
Chloromethane	ND	5.0	81	84	3.6				70 - 130	30	
cis-1,2-Dichloroethene	ND	5.0	92	98	6.3				70 - 130	30	
cis-1,3-Dichloropropene	ND	5.0	84	84	0.0				70 - 130	30	
Dibromochloromethane	ND	3.0	96	97	1.0				70 - 130	30	
Dibromomethane	ND	5.0	87	87	0.0				70 - 130	30	
Dichlorodifluoromethane	ND	5.0	78	82	5.0				70 - 130	30	
Ethylbenzene	ND	1.0	94	96	2.1				70 - 130	30	
Hexachlorobutadiene	ND	5.0	92	96	4.3				70 - 130	30	
Isopropylbenzene	ND	1.0	94	97	3.1				70 - 130	30	
m&p-Xylene	ND	2.0	93	95	2.1				70 - 130	30	
Methyl ethyl ketone	ND	5.0	72	75	4.1				70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	1.0	76	78	2.6				70 - 130	30	
Methylene chloride	ND	5.0	76	78	2.6				70 - 130	30	
Naphthalene	ND	5.0	96	100	4.1				70 - 130	30	
n-Butylbenzene	ND	1.0	95	100	5.1				70 - 130	30	
n-Propylbenzene	ND	1.0	94	99	5.2				70 - 130	30	
o-Xylene	ND	2.0	92	95	3.2				70 - 130	30	
p-Isopropyltoluene	ND	1.0	96	100	4.1				70 - 130	30	
sec-Butylbenzene	ND	1.0	100	104	3.9				70 - 130	30	
Styrene	ND	5.0	93	95	2.1				70 - 130	30	
tert-Butylbenzene	ND	1.0	92	96	4.3				70 - 130	30	
Tetrachloroethene	ND	5.0	91	94	3.2				70 - 130	30	
Tetrahydrofuran (THF)	ND	5.0	79	83	4.9				70 - 130	30	

QA/QC Data

SDG I.D.: GCF96460

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Toluene	ND	1.0	92	93	1.1				70 - 130	30
trans-1,2-Dichloroethene	ND	5.0	85	88	3.5				70 - 130	30
trans-1,3-Dichloropropene	ND	5.0	81	81	0.0				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	83	86	3.6				70 - 130	30
Trichloroethene	ND	5.0	91	94	3.2				70 - 130	30
Trichlorofluoromethane	ND	5.0	79	83	4.9				70 - 130	30
Trichlorotrifluoroethane	ND	5.0	86	91	5.6				70 - 130	30
Vinyl chloride	ND	5.0	85	89	4.6				70 - 130	30
% 1,2-dichlorobenzene-d4	98	%	98	99	1.0				70 - 130	30
% Bromofluorobenzene	88	%	92	92	0.0				70 - 130	30
% Dibromofluoromethane	94	%	97	97	0.0				70 - 130	30
% Toluene-d8	96	%	95	94	1.1				70 - 130	30

Comment:

The Low Level MS/MSD are not reported for this batch.

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%, 25-160% for Chloroethane-HL and Trichlorofluoromethane-HL.

l = This parameter is outside laboratory LCS/LCSD specified recovery limits.
m = This parameter is outside laboratory MS/MSD specified recovery limits.
r = This parameter is outside laboratory RPD specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
May 20, 2020

Wednesday, May 20, 2020

Criteria: NY: 375, 375RS

State: NY

Sample Criteria Exceedances Report

GCF96460 - WALDENE-IPARK

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CF96460	MN-SM	Manganese	NY / 375-6.8 Metals / Unrestricted Use Soil	1720	31	1600	1600	mg/Kg

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.

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 Comments

May 20, 2020 SDG I.D.: GCF96460

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report:

SVOA Narration

CHEM07 05/15/20-2: CF96460, CF96461, CF96462, CF96463, CF96464

For 8270 full list, the DDT breakdown and pentachlorophenol & benzidine peak tailing were evaluated in the DFTPP tune and were found to be in control.
For 8270 BN list, benzidine peak tailing was evaluated in the DFTPP tune and was found to be in control.

The following Initial Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.050 (0.1), % 2,4,6-Tribromophenol 0.049 (0.05), Hexachlorobenzene 0.082 (0.1)
The following Initial Calibration compounds did not meet minimum response factors: % 2,4,6-Tribromophenol 0.049 (0.05)

The following Continuing Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.054 (0.1), Hexachlorobenzene 0.082 (0.1)
The following Continuing Calibration compounds did not meet minimum response factors: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

VOA Narration

CHEM03 05/15/20-2: CF96460, CF96461, CF96462, CF96463, CF96464

The following Initial Calibration compounds did not meet RSD% criteria: Acetone 25% (20%), Chloroethane 28% (20%), Methyl Ethyl Ketone 21% (20%), Methylene chloride 26% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.
The following Initial Calibration compounds did not meet recommended response factors: Acetone 0.086 (0.1), Tetrachloroethene 0.197 (0.2)
The following Initial Calibration compounds did not meet minimum response factors: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

May 20, 2020

SDG I.D.: GCF96460

The samples in this delivery group were received at 2.6°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Cooler: Yes ☑ No ☐
Coolant: IPK ☒ ICE ☑ No ☐
Temp 2.9°C Pg of

NY/NJ CHAIN OF CUSTODY RECORD

PHOENIX Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Contact Options:
☐ Fax:
☑ Phone: 516-224-7200
☑ Email: nbrew@walden-associates.com

Customer: Cari Monheit, Sr. Director of Dev.
Address: 1Park East Fishkill, LLC
485 West Putnam ave
Greenwich, CT 06830

Project: 1Park0118.41
Report to: Nora Brew
Invoice to: Cari Monheit
QUOTE # :

Project P.O: 1Park0118.41

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: Keri ann Wright Date: 5/14/20

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request: VOC 8260, SVOCs 8270, Metals 6010C

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOC 8260	SVOCs 8270	Metals 6010C	GL Amber 8 oz. w/H3PO4	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container (4) oz	GL Soil container (9) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL NAOH 250ml	PL HNO3 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
916460	SS-1 (1-2')	S	5/14/20	1300	X	X	X			1	1	1							
916461	SS-2 (1-2')	S		1230						1	1	1							
916462	SS-3 (1-2')	S		1145						1	1	1							
916463	SS-4 (1-2')	S		950						1	1	1							
916464	SS-5 (3-4')	S		1115						1	1	1							

Relinquished by:	Accepted by:	Date:	Time:
Keri Wright		5/15/2020	12:00
		5/15/20	10:16

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☒ 2 Days*
☐ 3 Days*
☐ 5 Days
☐ 10 Days
☐ Other
* SURCHARGE

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ Impact to GW soil screen Criteria
☐ GW Criteria

What State were samples collected?

NY
☐ TOGS GW
☐ CP-51 SOIL
☒ 375SCO Unrestricted Soil
☒ 375SCO Residential Soil
☐ 375SCO Residential
☐ 375SCO Commercial Soil
☐ 375SCO Industrial Soil
☐ Subpart 5 DW

Data Format
☒ Phoenix Std Report
☒ Excel
☐ PDF
☐ GIS/Key
☐ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☒ NY Enhanced (ASP B) *
☐ Other

GCF 96400

Lori Bailey

From: Michael Lapman
Sent: Friday, May 15, 2020 02:48 PM
To: Lori Bailey
Subject: Re: Walden....do you know what metals they want

TAL Metals.

Thank you Lori!!

Have a nice weekend!!!

Regards,
Michael Lapman
Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
Manchester, CT 06040
Direct Line: 917.449.0850
Laboratory: 860.812.0086
www.phoenixlabs.com

From: Lori Bailey <lori@phoenixlabs.com>
Date: Friday, May 15, 2020 at 2:41 PM
To: Michael Lapman <michael@phoenixlabs.com>
Subject: Walden....do you know what metals they want

Lori Bailey
Client Services Representative
Phoenix Environmental Laboratories
587 East Middle Turnpike
Manchester, CT 06040
Ph: 1-860-645-1102
Fx: 1-860-645-0823