Building 220 (former Building 310)
Proposed Loading Docks Area
Pre-Construction Soil Characterization
Sampling Summary Report

at

iPark 84
Former IBM East Fishkill Facility

December 2019

Prepared for:

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

WALDEN ENVIRONMENTAL ENGINEERING, PLLC

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

December 10, 2019
iPARK0118.28

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 220 (former Building 310)
Proposed Loading Docks Area
Pre-Construction Soil Characterization Sampling Summary

Dear Ms. LaClair:

Walden Environmental Engineering, PLLC (Walden) has prepared this letter to summarize the results of the pre-construction soil characterization sampling performed on November 18, 2019 in preparation to install a loading docks area at Building 220 (former Building 310) at the above referenced facility. iPark East Fishkill LLC (iPark), the owner of iPark 84, proposes to construct four (4) loading docks and appurtenant paving along the western face of Building 220. The site location map is presented in Figure 1.

The main Building 220 loading area will be approximately 120 feet long, and the excavation/ grading required to install the loading docks area is not expected to exceed 12 feet wide by 10 feet deep. The access driveway to the loading docks area will be approximately 130 feet long, and the excavation/grading required to install the pavement is not expected to exceed 40 feet wide by an average of approximately 5.5 feet deep. The total volume of material to be removed during construction is expected to be no more than approximately 1,600 cubic yards. The area will be paved with asphalt upon completion.

Building 220 is located within Operable Unit 5 (OU5) in "Area A" of the Facility, where the primary constituents of concern are perchloroethylene (PCE) and its breakdown products and Freon TF (1,1,2-trichloro-1,2,2-trifluoroethane). The pre-construction sampling results presented herein will provide data needed to characterize and evaluate existing soil conditions in

the area of the proposed loading docks to allow the appropriate arrangements for handling/ disposal to be made prior to excavation activities. In addition, the data documents the nature of the soils and contaminants that will remain in place following the construction of the proposed loading docks.

The work described below was conducted in accordance with the *Building 220 (Formerly Building 310) Proposed Loading Docks Area Soil Characterization Work Plan* ("Work Plan", Walden, August 2019) which was approved by NYSDEC in a letter dated August 30, 2019. Copies of the Work Plan and approval letter are presented in Attachment 1. Walden advised the NYSDEC and NYSDOH in an email dated November 14, 2019 (see Attachment 2) that an additional eight (8) soil borings would be installed to characterize a larger extent of the area in the event that iPark wishes to extend the excavation of the loading dock. Site photographs taken during the work are presented in Attachment 3.

On November 18, 2019, Walden was on-site with Delta Geophysics, Inc. of Catasauqua, PA, to perform a ground penetrating radar (GPR) survey of the proposed loading docks area to clear the proposed soil boring locations for underground utilities and structures prior to drilling. Extensive underground utilities were identified. Several of the locations had to be slightly moved in order to avoid the utilities. Refer to Figure 2 for the boring locations.

Soil coring was performed by Lakewood Environmental Services, Corp. (Lakewood) of Smithtown, NY at twenty (20) locations (SB-1 through SB-12 as per the Work Plan and additional locations SB-13 through SB-20) throughout the proposed area of excavation for the new loading docks immediately following the performance of the GPR survey. A Geoprobe with five (5) foot Macrocores was utilized at each soil coring location. Fourteen (14) probes were installed to ten (10) feet below grade in the grassy sloped area and the lower paved area (SB-1, SB-2, SB-3, SB-4, SB-5, SB-6, SB-7, SB-14, SB-15, SB-16, SB-17, SB-18, SB-19 and SB-20) . The remaining six (6) probes in the upper paved area located closer to the building (SB-8, SB-9, SB-10, SB-11, SB-12 and SB-13) were installed to fifteen (15) feet below grade. The cores were visually inspected, logged and screened utilizing a photoionization detector (PID) which was calibrated according to manufacturer's instructions prior to drilling commencement. Boring Logs are provided in Attachment 4. The boring logs display the highest PID concentrations recorded at each location. Groundwater was not encountered during drilling activities.

Air monitoring was implemented during the soil coring and sampling intrusive activities in accordance with the Community Air Monitoring Plan (CAMP) included in the NYSDEC-approved Work Plan. Upwind (CAMP-1) and downwind (CAMP-2) air monitoring stations were set up at the locations shown on Figure 2. VOC concentrations were monitored using Mini Rae 3000 Photo-ionization detectors (PID) and DustTrak II units were used to monitor

particulate concentrations. The instruments were calibrated at the beginning of the work day. Each CAMP air monitoring station had 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 started until after work was completed. Walden also recorded the VOC and dust concentrations at each monitoring station every fifteen minutes during the work day to ensure that appropriate actions could be implemented as needed based on the action levels presented in the CAMP. The CAMP recorded data and field data sheets are provided in Attachment 5. No impacts to air quality were recorded during the sampling.

Each of the soil cores was split into screening intervals as follows: 0-5 ft bg (all cores); 5-10 ft bg (all cores); and 10-15 ft bg (only the six cores located in the upper paved area). Five (5) soil cores were selected for laboratory sample analysis based on the PID screening concentrations (noted on boring logs in Attachment 4) and spatial distribution of cores. Samples from each depth interval in the four (4) cores exhibiting the highest PID concentrations (SB-4, SB-12, SB-13 and SB-16) were sent to the laboratory along with the samples from SB-19, the southernmost location where PID concentrations were recorded. A total of twelve (12) soil samples were submitted to Phoenix Environmental Laboratories, Inc. of Manchester, CT, for laboratory analysis of NYCRR Part 375-6.8 target analyte list (TAL) Metals via EPA Method 6010, Volatile Organic Compounds (VOCs) via EPA Method 8260/5035, Semi-Volatile Organic Compounds (SVOCs) via EPA Method 8270, Polychlorinated Biphenyls (PCBs) via EPA Method SW8082A, Pesticides via EPA Method SW8081B, and Herbicides via EPA Method SW8151A. The laboratory reports are presented in Attachment 6.

The laboratory analytical data for the sub-slab soil samples 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 1 through 4.

- All of the VOC concentrations were less than the Unrestricted Use SCOs.
- All of the SVOC concentrations were less than their respective SCOs except for the Dibenz(a,h)anthracene concentration in SB-16 (0’-5’), which exceeded the Unrestricted and Residential Use SCOs but was less than the Commercial Use SCO.
- All of the metals concentrations were less than the Unrestricted Use SCOs except for the chromium concentration in SB-16 (0’-5’) and the nickel concentration in sample SB-16 (5’10’) which were less than the respective Residential and Commercial Use SCOs.
- No herbicides were detected in any of the samples.
- Several pesticides including 4,4’-DDD, 4,4’-DDE, 4,4’-DDT, and Dieldrin were detected in several samples at concentrations exceeding their respective Unrestricted Use SCOs, but less than the respective Residential and Commercial Use SCOs.

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- All of the PCB concentrations were less than their respective Unrestricted Use SCOs except for the PCB-1254 concentrations in SB-12 (0'-5') and SB-12 (10'-15'), which were less than the respective Residential and Commercial Use SCOs.

Based on the above results from the pre-construction field investigation, please confirm that excess soils from the proposed Building 220 loading docks installation are suitable for future on-site use. Note that additional soil sampling (post-excavation samples) and CAMP air monitoring will be conducted as part of the loading docks excavation work in accordance with the NYSDEC-approved Work Plan. Walden will notify NYSDEC and NYSDOH when the loading dock construction work has been scheduled.

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

Very truly yours,
Walden Environmental Engineering, PLLC

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

Attachments
Figure 1 – Site Plan
Figure 2 – Soil Sampling Locations
Tables 1 through 4 – Summary of Analytical Results
Attachment 1 - Work Plan (without HASP) and NYSDEC Approval Letter
Attachment 2 – November 14, 2019 Email
Attachment 3 – Site Photographs
Attachment 4 – Boring Logs
Attachment 5 – CAMP Data
Attachment 6 – Laboratory Analytical Report

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

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FIGURE 1

SITE PLAN

SITE PLAN

SCALE: 1" = 60'-0"

0 30 60 120 180

SCALE: 1"=60'

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REVISION		
No.	DATE	COMMENTS

FOR: BUILDING 220 (FORMER 310)
iPark 84 Campus
2070 State Route 52
Hopewell Junction, NY 12533

DRAWING TITLE: SITE PLAN
BUILDING 220 (FORMERLY 310)
LOADING DOCK AREA

FIGURE NO: 1

ISSUED

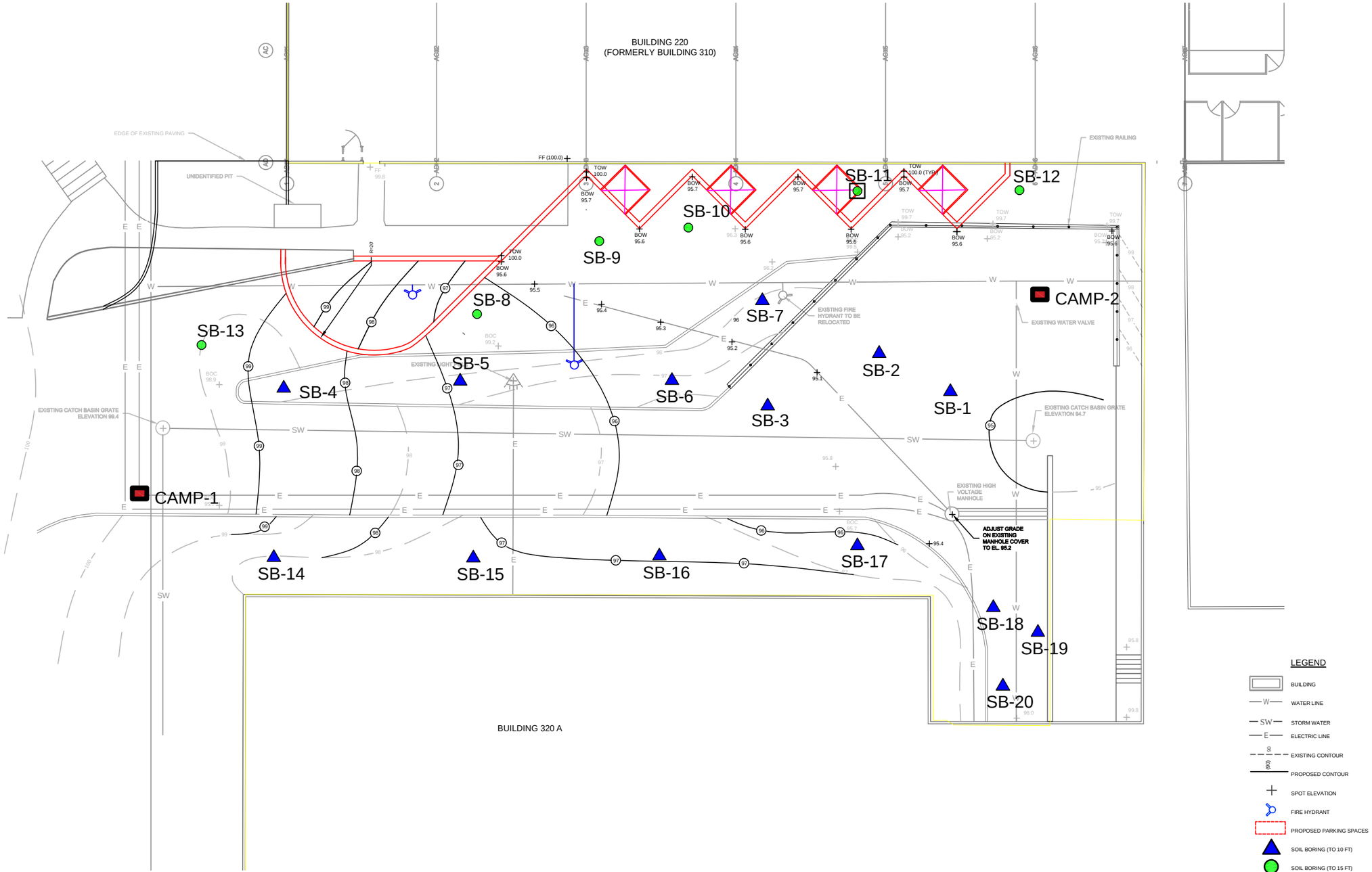
REVISION NO: 0

DESIGNED BY: NMB | DRAWN BY: EJK | JOB NO: IPARK118.28 | DATE: 12/6/19 | 11x17 | SHEET NO: 1 OF 2

APPROVED BY: JMH | SCALE: AS NOTED | CAD FILE NAME: Z:\iPark\118\iPark0118.28 - Bldg 310 Loading Dock Sampling Plan\Pre-Construction Sampling\310 Loading Dock Site Plan.dwg

FIGURE 2

SOIL SAMPLING LOCATIONS



PRE-CONSTRUCTION SOIL SAMPLING LOCATIONS

SCALE: 1" =10'-0"

0 5 10 20 30

SCALE: 1"=10'-0"

Walden Environmental Engineering

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No.	DATE	COMMENTS

FOR:
BUILDING 220 (FORMER 310)
iPark 84 Campus
2070 State Route 52
Hopewell Junction, NY 12533

DRAWING TITLE:
PRE-CONSTRUCTION SOIL SAMPLING LOCATIONS
BUILDING 220 (FORMERLY 310)
LOADING DOCK AREA

FIGURE NO: 2

ISSUED
REVISION I 0

DESIGNED BY: NMB | DRAWN BY: EJK | JOB NO: IPARK118.28 | DATE: 12/9/19 | 11x17 | SHEET NO: 2 OF 2

APPROVED BY: JMH | SCALE: AS NOTED | CAD FILE NAME: Z:\iPark\0118\iPark\0118.28 - Bldg 310 Loading Dock Sampling Plan\Sampling Work Plan\ipark0118.28_Sampling_plans.dwg

TABLES 1 THROUGH 4

ANALYTICAL RESULTS

iPARK 84 CAMPUS
BUILDING 220 (FORMERLY 310) - LOADING DOCK
2070 NY ROUTE 52
HOPEWELL JUNCTION, NY

TABLE 1
SUMMARY OF PRE-CONSTRUCTION SOIL SAMPLING RESULTS - VOLATILE ORGANIC COMPOUNDS (VOCs)

					Collection Date	11/18/2019		11/18/2019		11/18/2019		11/18/2019		11/18/2019		11/18/2019		11/18/2019		11/18/2019		11/18/2019		11/18/2019		11/18/2019	
					Sample ID	SB-4 (0'-5')		SB-4 (5'-10')		SB-12 (0'-5')		SB-12 (5'-10')		SB-12 (10'-15')		SB-13 (0'-5')		SB-13 (5'-10')		SB-13 (10'-15')		SB-16 (0'-5')		SB-16 (5'-10')		SB-19 (0'-5')		SB-19 (5'-10')	
					Matrix	Soil		Soil		Soil		Soil		Soil		Soil		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 ug/kg	Q	Result ug/kg	Q	Result ug/kg	Q	Result ug/kg	Q	Result ug/kg	Q	Result ug/kg	Q	Result ug/kg	Q	Result ug/kg	Q	Result ug/kg	Q	Result ug/kg	Q	Result ug/kg	Q	Result ug/kg	Q
Volatiles By SW8260C		ug/kg	ug/kg	ug/kg																							
1,1,1,2-Tetrachloroethane	630-20-6	NA	NA	NA	< 5.9	U	< 4.7	U	<8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
1,1,1-Trichloroethane	71-55-6	500,000	100,000	680	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
1,1,2,2-Tetrachloroethane	79-34-5	NA	NA	NA	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
1,1,2-Trichloroethane	79-00-5	NA	NA	NA	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
1,1-Dichloroethane	75-34-3	240,000	19,000	270	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
1,1-Dichloroethene	75-35-4	500,000	100,000	330	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
1,1-Dichloropropene	563-58-6	NA	NA	NA	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
1,2,3-Trichlorobenzene	87-61-6	NA	NA	NA	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
1,2,3-Trichloropropane	96-18-4	NA	NA	NA	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
1,2,4-Trichlorobenzene	120-82-1	NA	NA	NA	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
1,2,4-Trimethylbenzene	95-63-6	190,000	47,000	3,600	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
1,2-Dibromo-3-chloropropane	96-12-8	NA	NA	NA	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
1,2-Dibromoethane	106-93-4	NA	NA	NA	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
1,2-Dichlorobenzene	95-50-1	500,000	100,000	1,100	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
1,2-Dichloroethane	107-06-2	30,000	2,300	20	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
1,2-Dichloropropane	78-87-5	NA	NA	NA	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
1,3,5-Trimethylbenzene	108-67-8	190,000	47,000	8,400	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
1,3-Dichlorobenzene	541-73-1	280,000	17,000	2,400	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
1,3-Dichloropropane	142-28-9	NA	NA	NA	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
1,4-Dichlorobenzene	106-46-7	130,000	9,800	1,800	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
2,2-Dichloropropane	594-20-7	NA	NA	NA	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
2-Chlorotoluene	95-49-8	NA	NA	NA	< 29	U	<4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
2-Hexanone	591-78-6	NA	NA	NA	< 5.9	U	< 23	U	< 43	U	< 31	U	< 48	U	< 30	U	< 25	U	< 21	U	< 36	U	< 39	U	< 31	U	< 34	U
2-Isopropyltoluene	527-84-4	NA	NA	NA	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
4-Chlorotoluene	106-43-4	NA	NA	NA	< 29	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
4-Methyl-2-pentanone	108-10-1	NA	NA	NA	< 29	U	< 23	U	< 43	U	< 31	U	< 48	U	< 30	U	< 25	U	< 21	U	< 36	U	< 39	U	< 31	U	< 34	U
Acetone	67-64-1	500,000	100,000	50	< 12	U	**14**	JS	< 43	U	< 31	U	**16**	JS	< 30	U	< 25	U	< 21	U	< 36	U	< 39	U	< 31	U	< 34	U
Acrylonitrile	107-13-1	NA	NA	NA	< 5.9	U	< 9.3	U	< 17	U	< 12	U	< 19	U	< 12	U	< 10	U	< 8.6	U	< 14	U	< 16	U	< 12	U	< 13	U
Benzene	71-43-2	44,000	2,900	60	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
Bromobenzene	108-86-1	NA	NA	NA	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
Bromochloromethane	74-97-5	NA	NA	NA	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
Bromodichloromethane	75-27-4	NA	NA	NA	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
Bromoform	75-25-2	NA	NA	NA	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
Bromomethane	74-83-9	NA	NA	NA	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
Carbon Disulfide	75-15-0	NA	NA	NA	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
Carbon tetrachloride	56-23-5	22,000	1,400	760	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
Chlorobenzene	108-90-7	500,000	100,000	1,100	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
Chloroethane	75-00-3	NA	NA	NA	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
Chloroform	67-66-3	350,000	10,000	370	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
Chloromethane	74-87-3	NA	NA	NA	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
cis-1,2-Dichloroethene	156-59-2	500,000	59,000	250	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
cis-1,3-Dichloropropene	10061-01-5	NA	NA	NA	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
Dibromochloromethane	124-48-1	NA	NA	NA	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
Dibromomethane	74-95-3	NA	NA	NA	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
Dichlorodifluoromethane	75-71-8	NA	NA	NA	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
Ethylbenzene	100-41-4	390,000	30,000	1,000	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
Hexachlorobutadiene	87-68-3	NA	NA	NA	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
Isopropylbenzene	98-82-8	NA	NA	NA	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
m&p-Xylene	179601-23-1	NA	NA	NA	< 35	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
Methyl Ethyl Ketone	78-93-3	500,000	100,000	120	< 12	U	< 28	U	< 52	U	< 37	U	< 57	U	< 36	U	< 30	U	< 26	U	< 43	U	< 47	U	< 37	U	< 40	U
Methyl t-butyl ether (MTBE)	1634-04-4	500,000	62,000	930	< 5.9	U	< 9.3	U	< 17	U	< 12	U	< 19	U	< 12	U	< 10	U	< 8.6	U	< 14	U	< 16	U	< 12	U	< 13	U
Methylene chloride	75-09-2	500,000	51,000	50	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
Naphthalene	91-20-3	500,000	100,000	12,000	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	**2.8**	J	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
n-Butylbenzene	104-51-8	500,000	100,000	12,000	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
n-Propylbenzene	103-65-1	500,000	100,000	3,900	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
o-Xylene	95-47-6	NA	NA	NA	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
p-Isopropyltoluene	99-87-6	NA	NA	NA	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
sec-Butylbenzene	135-98-8	500,000	100,000	11,000	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
Styrene	100-42-5	NA	NA	NA	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
tert-Butylbenzene	98-06-6	500,000	100,000	5,900	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
Tetrachloroethene	127-18-4	150,000	5,500	1,300	< 12	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
Tetrahydrofuran (THF)	109-99-9	NA	NA	NA	< 5.9	U	< 9.3	U	< 17	U	< 12	U	< 19	U	< 12	U	< 10	U	< 8.6	U	< 14	U	< 16	U	< 12	U	< 13	U
Toluene	108-88-3	500,000	100,000	700	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
trans-1,2-Dichloroethene	156-60-5	500,000	100,000	190	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
trans-1,3-Dichloropropene	10061-02-6	NA	NA	NA	< 12	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
trans-1,4-dichloro-2-butene	110-57-6	NA	NA	NA	< 5.9	U	< 9.3	U	< 17	U	< 12	U	< 19	U	< 12	U	< 10	U	< 8.6	U	< 14	U	< 16	U	< 12	U	< 13	U
Trichloroethene	79-01-6	200,000	10,000	470	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
Trichlorofluoromethane	75-69-4	NA	NA	NA	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
Trichlorotrifluoroethane	76-13-1	NA	NA	NA	< 5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U
Vinyl chloride	75-01-4	13,000	210	20	<5.9	U	< 4.7	U	< 8.7	U	< 6.2	U	< 9.6	U	< 5.9	U	< 5.1	U	< 4.3	U	< 7.2	U	< 7.8	U	< 6.2	U	< 6.7	U

Notes:

Concentrations are provided in micrograms per kilogram (ug/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.

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.

NA-No applicable standard

iPARK 84 CAMPUS
BUILDING 220 (FORMERLY 310) - LOADING DOCK
2070 NY ROUTE 52
HOPEWELL JUNCTION, NY

TABLE 2
SUMMARY OF PRE-CONSTRUCTION SOIL SAMPLING RESULTS -SEMI-VOLATILE ORGANIC COMPOUNDS (VOCs)

					Collection Date	11/18/2019		11/18/2019		11/18/2019		11/18/2019		11/18/2019		11/18/2019		11/18/2019		11/18/2019		11/18/2019		11/18/2019		11/18/2019	
					Sample ID	SB-4 (0'-5')		SB-4 (5'-10')		SB-12 (0'-5')		SB-12 (5'-10')		SB-12 (10'-15')		SB-13 (0'-5')		SB-13 (5'-10')		SB-13 (10'-15')		SB-16 (0'-5')		SB-16 (5'-10')		SB-19 (0'-5')		SB-19 (5'-10')	
					Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		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 ug/kg**	**Q**	**Result ug/kg**	**Q**	**Result ug/kg**	**Q**	**Result ug/kg**	**Q**	**Result ug/kg**	**Q**	**Result ug/kg**	**Q**	**Result ug/kg**	**Q**	**Result ug/kg**	**Q**	**Result ug/kg**	**Q**	**Result ug/kg**	**Q**	**Result ug/kg**	**Q**	**Result ug/kg**	**Q**
Semivolatiles By SW8270D		ug/kg	ug/kg	ug/kg																							
1,2,4,5-Tetrachlorobenzene	95-94-3	NA	NA	NA	< 260	U	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
1,2,4-Trichlorobenzene	120-82-1	NA	NA	NA	< 260	U	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
1,2-Dichlorobenzene	95-50-1	500,000	100,000	1,100	< 260	U	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
1,2-Diphenylhydrazine	122-66-7	NA	NA	NA	< 260	U	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
1,3-Dichlorobenzene	541-73-1	280,000	17,000	2,400	< 260	U	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
1,4-Dichlorobenzene	106-46-7	130,000	9,800	1,800	< 260	U	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
2,4,5-Trichlorophenol	95-95-4	NA	NA	NA	< 260	U	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
2,4,6-Trichlorophenol	88-06-2	NA	NA	NA	< 180	U	< 180	U	< 170	U	< 180	U	< 180	U	< 180	U	< 180	U	< 180	U	< 180	U	< 210	U	< 190	U	< 190	U
2,4-Dichlorophenol	120-83-2	NA	NA	NA	< 180	U	< 180	U	< 170	U	< 180	U	< 180	U	< 180	U	< 180	U	< 180	U	< 180	U	< 210	U	< 190	U	< 190	U
2,4-Dimethylphenol	105-67-9	NA	NA	NA	< 260	U	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
2,4-Dinitrophenol	51-28-5	NA	NA	NA	< 260	U	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
2,4-Dinitrotoluene	121-14-2	NA	NA	NA	< 180	U	< 180	U	< 170	U	< 180	U	< 180	U	< 180	U	< 180	U	< 180	U	< 180	U	< 210	U	< 190	U	< 190	U
2,6-Dinitrotoluene	606-20-2	NA	NA	NA	< 180	U	< 180	U	< 170	U	< 180	U	< 180	U	< 180	U	< 180	U	< 180	U	< 180	U	< 210	U	< 190	U	< 190	U
2-Chloronaphthalene	91-58-7	NA	NA	NA	< 260	U	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
2-Chlorophenol	95-57-8	NA	NA	NA	< 260	U	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
2-Methylnaphthalene	91-57-6	NA	NA	NA	< 260	U	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
2-Methylphenol (o-cresol)	95-48-7	500,000	100,000	330	< 260	U	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
2-Nitroaniline	88-74-4	NA	NA	NA	< 260	U	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
2-Nitrophenol	88-75-5	NA	NA	NA	< 260	U	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
3&4-Methylphenol (m&p-cresol)	n/a	500,000	100,000	330	< 260	U	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
3,3'-Dichlorobenzidine	91-94-1	NA	NA	NA	< 180	U	< 180	U	< 170	U	< 180	U	< 180	U	< 180	U	< 180	U	< 180	U	< 180	U	< 210	U	< 190	U	< 190	U
3-Nitroaniline	99-09-2	NA	NA	NA	< 370	U	< 360	U	< 340	U	< 370	U	< 350	U	< 360	U	< 370	U	< 360	U	< 360	U	< 410	U	< 380	U	< 380	U
4,6-Dinitro-2-methylphenol	534-52-1	NA	NA	NA	< 220	U	< 220	U	< 210	U	< 220	U	< 210	U	< 220	U	< 220	U	< 220	U	< 220	U	< 250	U	< 230	U	< 230	U
4-Bromophenyl phenyl ether	101-55-3	NA	NA	NA	< 260	U	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
4-Chloro-3-methylphenol	59-50-7	NA	NA	NA	< 260	U	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
4-Chloroaniline	106-47-8	NA	NA	NA	< 300	U	< 290	U	< 280	U	< 290	U	< 280	U	< 290	U	< 300	U	< 290	U	< 290	U	< 330	U	< 300	U	< 300	U
4-Chlorophenyl phenyl ether	7005-72-3	NA	NA	NA	< 260	U	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
4-Nitroaniline	100-01-6	NA	NA	NA	< 370	U	< 360	U	< 340	U	< 370	U	< 350	U	< 360	U	< 370	U	< 360	U	< 360	U	< 410	U	< 380	U	< 380	U
4-Nitrophenol	100-02-7	NA	NA	NA	< 370	U	< 360	U	< 340	U	< 370	U	< 350	U	< 360	U	< 370	U	< 360	U	< 360	U	< 410	U	< 380	U	< 380	U
Acenaphthene	83-32-9	500,000	100,000	20,000	< 260	U	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
Acenaphthylene	208-96-8	500,000	100,000	100,000	< 260	U	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
Acetophenone	98-86-2	NA	NA	NA	< 260	U	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
Aniline	62-53-3	NA	NA	NA	< 300	U	< 290	U	< 280	U	< 290	U	< 280	U	< 290	U	< 300	U	< 290	U	< 290	U	< 330	U	< 300	U	< 300	U
Anthracene	120-12-7	500,000	100,000	100,000	< 260	U	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
Benz(a)anthracene	56-55-3	5,600	1,000	1,000	**190**	J	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
Benzidine	92-87-5	NA	NA	NA	< 370	U	< 360	U	< 340	U	< 370	U	< 350	U	< 360	U	< 370	U	< 360	U	< 360	U	< 410	U	< 380	U	< 380	U
Benzo(a)pyrene	50-32-8	1,000	1,000	1,000	**190**		< 180	U	< 170	U	< 180	U	< 180	U	< 180	U	< 180	U	< 180	U	**190**		**330**		**180**	J	< 190	U
Benzo(b)fluoranthene	205-99-2	5,600	1,000	1,000	**150**	J	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	**130**	J	**250**	J	< 270	U	< 260	U
Benzo(ghi)perylene	191-24-2	500,000	100,000	100,000	**130**	J	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	**190**	J	**390**		**210**	J	**150**	J	< 260	U
Benzo(k)fluoranthene	207-08-9	56,000	1,000	800	**160**	J	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	**130**	J	**260**	J	< 270	U	< 260	U
Benzoic acid	65-85-0	NA	NA	NA	< 1800	U	< 1800	U	< 1700	U	< 1800	U	< 1800	U	< 1800	U	< 1800	U	< 1800	U	< 1800	U	< 2100	U	< 1900	U	< 1900	U
Benzyl butyl phthalate	85-68-7	NA	NA	NA	< 260	U	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
Bis(2-chloroethoxy)methane	111-91-1	NA	NA	NA	< 260	U	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
Bis(2-chloroethyl)ether	111-44-4	NA	NA	NA	< 180	U	< 180	U	< 170	U	< 180	U	< 180	U	< 180	U	< 180	U	< 180	U	< 180	U	< 210	U	< 190	U	< 190	U
Bis(2-chloroisopropyl)ether	39638-32-9	NA	NA	NA	< 260	U	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
Bis(2-ethylhexyl)phthalate	117-81-7	NA	NA	NA	< 260	U	< 260	U	< 240	U	< 260	U	**170**	J	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
Carbazole	86-74-8	NA	NA	NA	< 180	U	< 180	U	< 170	U	< 180	U	< 180	U	< 180	U	< 180	U	< 180	U	< 180	U	< 210	U	< 190	U	< 190	U
Chrysene	218-01-9	56,000	1,000	1,000	**210**	J	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
Dibenz(a,h)anthracene	53-70-3	560	330	330	< 180	U	< 180	U	< 170	U	< 180	U	< 180	U	< 180	U	< 180	U	**180**		**380**		< 210	U	< 190	U	< 190	U
Dibenzofuran	132-64-9	350,000	14,000	7,000	< 260	U	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
Diethyl phthalate	84-66-2	NA	NA	NA	< 260	U	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
Dimethylphthalate	131-11-3	NA	NA	NA	< 260	U	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
Di-n-butylphthalate	84-74-2	NA	NA	NA	< 260	U	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
Di-n-octylphthalate	117-84-0	NA	NA	NA	< 260	U	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
Fluoranthene	206-44-0	500,000	100,000	100,000	**460**		< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
Fluorene	86-73-7	500,000	100,000	30,000	< 260	U	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
Hexachlorobenzene	118-74-1	6,000	330	330	< 180	U	< 180	U	< 170	U	< 180	U	< 180	U	< 180	U	< 180	U	< 180	U	< 180	U	< 210	U	< 190	U	< 190	U
Hexachlorobutadiene	87-68-3	NA	NA	NA	< 260	U	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
Hexachlorocyclopentadiene	77-47-4	NA	NA	NA	< 260	U	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
Hexachloroethane	67-72-1	NA	NA	NA	< 180	U	< 180	U	< 170	U	< 180	U	< 180	U	< 180	U	< 180	U	< 180	U	< 180	U	< 210	U	< 190	U	< 190	U
Indeno(1,2,3-cd)pyrene	193-39-5	5,600	500	500	**140**	J	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	**170**	J	**380**		**260**	J	**170**	J	**140**	J
Isophorone	78-59-1	NA	NA	NA	< 180	U	< 180	U	< 170	U	< 180	U	< 180	U	< 180	U	< 180	U	< 180	U	< 180	U	< 210	U	< 190	U	< 190	U
Naphthalene	91-20-3	500,000	100,000	12,000	< 260	U	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
Nitrobenzene	98-95-3	NA	NA	NA	< 180	U	< 180	U	< 170	U	< 180	U	< 180	U	< 180	U	< 180	U	< 180	U	< 180	U	< 210	U	< 190	U	< 190	U
N-Nitrosodimethylamine	62-75-9	NA	NA	NA	< 260	U	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
N-Nitrosodi-n-propylamine	621-64-7	NA	NA	NA	< 180	U	< 180	U	< 170	U	< 180	U	< 180	U	< 180	U	< 180	U	< 180	U	< 180	U	< 210	U	< 190	U	< 190	U
N-Nitrosodiphenylamine	86-30-6	NA	NA	NA	< 260	U	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
Pentachloronitrobenzene	82-68-8	NA	NA	NA	< 260	U	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
Pentachlorophenol	87-86-5	6,700	2,400	800	< 220	U	< 220	U	< 210	U	< 220	U	< 210	U	< 220	U	< 220	U	< 220	U	< 220	U	< 250	U	< 230	U	< 230	U
Phenanthrene	85-01-8	500,000	100,000	100,000	**190**	J	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
Phenol	108-95-2	500,000	100,000	330	< 260	U	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
Pyrene	129-00-0	500,000	100,000	100,000	**360**		< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U
Pyridine	110-86-1	NA	NA	NA	< 260	U	< 260	U	< 240	U	< 260	U	< 250	U	< 250	U	< 260	U	< 250	U	< 250	U	< 290	U	< 270	U	< 260	U

Notes:
Concentrations are provided in micrograms per kilogram (ug/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.

Bold and Highlighted: Results indicate those detected above Unrestricted and Residential Use SCOs

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.

NA-No applicable standard

iPARK 84 CAMPUS
BUILDING 220 (FORMERLY 310) - LOADING DOCK
2070 NY ROUTE 52
HOPEWELL JUNCTION, NY

TABLE 3
SUMMARY OF PRE-CONSTRUCTION SOIL SAMPLING RESULTS-METALS

					Collection Date	11/18/2019		11/18/2019		11/18/2019		11/18/2019		11/18/2019		11/18/2019		11/18/2019		11/18/2019		11/18/2019		11/18/2019		11/18/2019	
					Sample ID	SB-4 (0'-5')		SB-4 (5'-10')		SB-12 (0'-5')		SB-12 (5'-10')		SB-12 (10'-15')		SB-13 (0'-5')		SB-13 (5'-10')		SB-13 (10'-15')		SB-16 (0'-5')		SB-16 (5'-10')		SB-19 (0'-5')		SB-19 (5'-10')	
					Matrix	Soil		Soil		Soil		Soil		Soil		Soil		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 mg/kg	Q	Result mg/kg	Q	Result mg/kg	Q	Result mg/kg	Q	Result mg/kg	Q	Result mg/kg	Q	Result mg/kg	Q	Result mg/kg	Q	Result mg/kg	Q	Result mg/kg	Q	Result mg/kg	Q	Result mg/kg	Q
Metals, Total																											
Aluminum	7429-90-5	NA	NA	NA	**12,400**		**8,480**		**14,500**		**15,000**		**11,200**		**17,000**		**14,600**		**8,980**		**25,300**		**20,200**		**11,600**		**9,910**	
Antimony	7440-36-0	NA	NA	NA	< 3.5	U	< 3.3	U	< 3.7	U	< 3.7	U	< 3.4	U	< 3.3	U	< 3.7	U	< 3.5	U	< 3.5	U	< 4.3	U	< 3.6	U	< 3.9	U
Arsenic	7440-38-2	16	16	13	**11.5**		**3.89**		**4.78**		**5.05**		**4.54**		**6.5**		**7.14**		**5.35**		**5.3**		**6.96**		**4.67**		**2.41**	
Barium	7440-39-3	400	350	350	**43.9**		**33**		**37.5**		**40.6**		**55.4**		**66.3**		**62.4**		**38.2**		**119**		**77.8**		**35.7**		**32.6**	
Beryllium	7440-41-7	590	14	7.2	**0.46**		**0.32**		**0.34**		**0.46**		**0.33**		**0.62**		**0.68**		**0.33**		**0.96**		**0.61**		**0.52**		**0.27**	J
Cadmium	7440-43-9	9.3	2.5	2.5	**0.82**		**0.59**		**0.94**		**0.95**		**0.74**		**0.82**		**0.97**		**0.72**		**0.8**		**1.06**		**0.86**		**0.63**	
Calcium	7440-70-2	NA	NA	NA	**23,300**		**52,800**		**912**		**895**		**5,330**		**458**		**4,950**		**46,300**		**2,160**		**3,420**		**5,990**		**1,720**	
Chromium	7440-47-3	1,500	36	30	**18.3**		**9.41**		**13.1**		**16.4**		**15.6**		**16.1**		**18.2**		**9.78**		**30.7**		**21.3**		**11.5**		**9.69**	
Cobalt	7440-48-4	NA	NA	NA	**9.74**		**7.01**		**12.9**		**11.9**		**9.07**		**12.9**		**12.2**		**9.14**		**12.4**		**15.5**		**9.45**		**7.32**	
Copper	7440-50-8	270	270	50	**25.2**		**18**		**34.9**		**37**		**28.6**		**31.2**		**28.1**		**21.3**		**26.4**		**32**		**32.1**		**18.2**	
Iron	7439-89-6	NA	NA	NA	**28,400**		**18,900**		**32,600**		**34,400**		**25,700**		**33,000**		**34,700**		**21,500**		**35,900**		**41,000**		**28,600**		**21,400**	
Lead	7439-92-1	1,000	400	63	**26.2**		**7.8**		**17.5**		**14.3**		**12**		**13.4**		**13.5**		**9.6**		**21**		**14.4**		**15.9**		**12.6**	
Magnesium	7439-95-4	NA	NA	NA	**18,000**		**31,000**		**7,440**		**6,810**		**7,410**		**6,340**		**7,700**		**27,600**		**6,050**		**10,100**		**9,880**		**6,590**	
Manganese	7439-96-5	10,000	2,000	1,600	**1,010**		**435**		**1,210**		**868**		**880**		**796**		**920**		**758**		**1,110**		**996**		**862**		**635**	
Mercury	7439-97-6	2.8	0.81	0.18	< 0.03	U	< 0.03	U	< 0.03	U	< 0.03	U	**0.02**	J	< 0.03	U	< 0.03	U	< 0.03	U	< 0.03	U	< 0.03	U	< 0.03	U	< 0.03	U
Nickel	7440-02-0	310	140	30	**19.4**		**14.7**		**24.3**		**25.7**		**18.7**		**25.8**		**24.1**		**16.7**		**24.5**		**34.7**		**21.8**		**16.2**	
Potassium	9/7/7440	NA	NA	NA	**1,210**		**1,180**		**1,000**		**1,340**		**949**		**1,670**		**1,640**		**1,020**		**1,310**		**2,100**		**1,020**		**965**	
Selenium	7782-49-2	1,500	36	3.9	< 1.4	U	< 1.3	U	< 1.5	U	< 1.5	U	< 1.3	U	< 1.3	U	< 1.5	U	< 1.4	U	< 1.4	U	< 1.7	U	< 1.4	U	< 1.6	U
Silver	7440-22-4	1,500	36	2	< 0.35	U	< 0.33	U	< 0.37	U	< 0.37	U	< 0.34	U	< 0.33	U	< 0.37	U	< 0.35	U	< 0.35	U	< 0.43	U	< 0.36	U	< 0.39	U
Sodium	7440-23-5	NA	NA	NA	**247**		**272**		**480**		**729**		**526**		**870**		**762**		**656**		**190**		**73**		**585**		**479**	
Thallium	7440-28-0	NA	NA	NA	< 1.4	U	< 1.3	U	< 1.5	U	< 1.5	U	< 1.3	U	< 1.3	U	< 1.5	U	< 1.4	U	< 1.4	U	< 1.7	U	< 1.4	U	< 1.6	U
Vanadium	7440-62-2	NA	NA	NA	**15.4**		**10.8**		**13.7**		**15.5**		**12.6**		**20.2**		**23.2**		**11.4**		**27.3**		**21.4**		**14.5**		**12.4**	
Zinc	7440-66-6	10,000	2,200	109	**57.8**		**43.5**		**78.5**		**81.4**		**62.2**		**68.2**		**64.1**		**48.3**		**71**		**88.4**		**68.5**		**48.9**	

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.

Bold and Highlighted: Results indicate those detected above Unrestricted Use SCOs
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.
NA-No applicable standard

iPARK 84 CAMPUS
BUILDING 220 (FORMERLY 310) - LOADING DOCK
2070 NY ROUTE 52
HOPEWELL JUNCTION, NY

TABLE 4
SUMMARY OF PRE-CONSTRUCTION SOIL SAMPLING RESULTS - PESTICIDES, PCBs AND HERBICIDES

					Collection Date	11/18/2019		11/18/2019		11/18/2019		11/18/2019		11/18/2019		11/18/2019		11/18/2019		11/18/2019		11/18/2019		11/18/2019		11/18/2019	
					Sample ID	SB-4 (0'-5')		SB-4 (5'-10')		SB-12 (0'-5')		SB-12 (5'-10')		SB-12 (10'-15')		SB-13 (0'-5')		SB-13 (5'-10')		SB-13 (10'-15')		SB-16 (0'-5')		SB-16 (5'-10')		SB-19 (0'-5')		SB-19 (5'-10')	
					Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		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 ug/kg	Q	Result ug/kg	Q	Result ug/kg	Q	Result ug/kg	Q	Result ug/kg	Q	Result ug/kg	Q	Result ug/kg	Q	Result ug/kg	Q	Result ug/kg	Q	Result ug/kg	Q	Result ug/kg	Q	Result ug/kg	Q
PCBs																											
PCB-1016	12674-11-2	1,000	1,000	100	< 73	U	< 74	U	< 69	U	< 75	U	< 71	U	< 73	U	< 75	U	< 72	U	< 74	U	< 84	U	< 76	U	< 75	U
PCB-1221	11104-28-2	1,000	1,000	100	< 73	U	< 74	U	< 69	U	< 75	U	< 71	U	< 73	U	< 75	U	< 72	U	< 74	U	< 84	U	< 76	U	< 75	U
PCB-1232	11141-16-5	1,000	1,000	100	< 73	U	< 74	U	< 69	U	< 75	U	< 71	U	< 73	U	< 75	U	< 72	U	< 74	U	< 84	U	< 76	U	< 75	U
PCB-1242	53469-21-9	1,000	1,000	100	< 73	U	< 74	U	< 69	U	< 75	U	< 71	U	< 73	U	< 75	U	< 72	U	< 74	U	< 84	U	< 76	U	< 75	U
PCB-1248	12672-29-6	1,000	1,000	100	< 73	U	< 74	U	< 69	U	< 75	U	< 71	U	< 73	U	< 75	U	< 72	U	< 74	U	< 84	U	< 76	U	< 75	U
PCB-1254	11097-69-1	1,000	1,000	100	< 73	U	< 74	U	**110**		< 75	U	**200**		< 73	U	< 75	U	< 72	U	< 74	U	< 84	U	< 76	U	< 75	U
PCB-1260	11096-82-5	1,000	1,000	100	< 73	U	< 74	U	< 69	U	< 75	U	< 71	U	< 73	U	< 75	U	< 72	U	< 74	U	< 84	U	< 76	U	< 75	U
PCB-1262	37324-23-5	1,000	1,000	100	< 73	U	< 74	U	< 69	U	< 75	U	< 71	U	< 73	U	< 75	U	< 72	U	< 74	U	< 84	U	< 76	U	< 75	U
PCB-1268	11100-14-4	1,000	1,000	100	< 73	U	< 74	U	< 69	U	< 75	U	< 71	U	< 73	U	< 75	U	< 72	U	< 74	U	< 84	U	< 76	U	< 75	U
Pesticides																											
4,4' -DDD	72-54-8	92,000	2,600	3.3	< 2.2	U	< 2.2	U	< 2.1	U	< 2.2	U	**11**		< 2.2	U	< 2.3	U	< 2.2	U	**5.3**		< 2.5	U	< 2.3	U	< 2.2	U
4,4' -DDE	72-55-9	62,000	1,800	3.3	**4.9**		< 2.2	U	**15**		< 2.2	U	**33**		< 2.2	U	< 2.3	U	< 2.2	U	**10**		< 2.5	U	< 2.3	U	< 2.2	U
4,4' -DDT	50-29-3	47,000	1,700	3.3	< 2.2	U	< 2.2	U	< 2.1	U	< 2.2	U	**6.8**		< 2.2	U	< 2.3	U	< 2.2	U	**2.5**		< 2.5	U	< 2.3	U	**8.6**	
a-BHC	319-84-6	3,400	97	20	< 7.3	U	< 7.4	U	< 6.9	U	< 7.5	U	< 7.1	U	< 7.3	U	< 7.5	U	< 7.2	U	< 7.4	U	< 8.4	U	< 7.6	U	< 7.5	U
a-Chlordane	5103-71-9	24,000	910	94	< 3.7	U	< 3.7	U	**8.7**		< 3.7	U	**19**		< 3.7	U	< 3.8	U	< 3.6	U	< 15	U	< 4.2	U	< 3.8	U	< 3.7	U
Aldrin	309-00-2	680	19	5	< 3.7	U	< 3.7	U	< 3.5	U	< 3.7	U	< 3.5	U	< 3.7	U	< 3.8	U	< 3.6	U	< 3.7	U	< 4.2	U	< 3.8	U	< 3.7	U
b-BHC	319-85-7	3,000	72	36	< 7.3	U	< 7.4	U	< 6.9	U	< 7.5	U	< 7.1	U	< 7.3	U	< 7.5	U	< 7.2	U	< 7.4	U	< 8.4	U	< 7.6	U	< 7.5	U
Chlordane	57-74-9	NA	NA	NA	< 37	U	< 37	U	**41**		< 37	U	**75**		< 37	U	< 38	U	< 36	U	< 37	U	< 42	U	< 38	U	< 37	U
d-BHC	319-86-8	500,000	100,000	40	< 7.3	U	< 7.4	U	< 6.9	U	< 7.5	U	< 7.1	U	< 7.3	U	< 7.5	U	< 7.2	U	< 7.4	U	< 8.4	U	< 7.6	U	< 7.5	U
Dieldrin	60-57-1	1,400	39	5	< 3.7	U	< 3.7	U	< 3.5	U	< 3.7	U	< 3.5	U	< 3.7	U	< 3.8	U	< 3.6	U	**10**		< 4.2	U	< 3.8	U	< 3.7	U
Endosulfan I	959-98-8	200,000	4,800	2,400	< 7.3	U	< 7.4	U	< 6.9	U	< 7.5	U	< 7.1	U	< 7.3	U	< 7.5	U	< 7.2	U	< 7.4	U	< 8.4	U	< 7.6	U	< 7.5	U
Endosulfan II	33213-65-9	200,000	4,800	2,400	< 7.3	U	< 7.4	U	< 6.9	U	< 7.5	U	< 7.1	U	< 7.3	U	< 7.5	U	< 7.2	U	< 7.4	U	< 8.4	U	< 7.6	U	< 7.5	U
Endosulfan sulfate	1031-07-8	200,000	4,800	2,400	< 7.3	U	< 7.4	U	< 6.9	U	< 7.5	U	< 7.1	U	< 7.3	U	< 7.5	U	< 7.2	U	< 7.4	U	< 8.4	U	< 7.6	U	< 7.5	U
Endrin	72-20-8	89,000	2,200	14	< 7.3	U	< 7.4	U	< 6.9	U	< 7.5	U	< 7.1	U	< 7.3	U	< 7.5	U	< 7.2	U	< 7.4	U	< 8.4	U	< 7.6	U	< 7.5	U
Endrin aldehyde	7421-93-4	NA	NA	NA	< 7.3	U	< 7.4	U	< 6.9	U	< 7.5	U	< 7.1	U	< 7.3	U	< 7.5	U	< 7.2	U	< 7.4	U	< 8.4	U	< 7.6	U	< 7.5	U
Endrin ketone	53494-70-5	NA	NA	NA	< 7.3	U	< 7.4	U	< 6.9	U	< 7.5	U	< 7.1	U	< 7.3	U	< 7.5	U	< 7.2	U	< 7.4	U	< 8.4	U	< 7.6	U	< 7.5	U
g-BHC	58-89-9	9,200	280	100	< 1.5	U	< 1.5	U	< 1.4	U	< 1.5	U	< 1.4	U	< 1.5	U	< 1.5	U	< 1.4	U	< 1.5	U	< 1.7	U	< 1.5	U	< 1.5	U
g-Chlordane	5103-74-2	NA	NA	NA	< 3.7	U	< 3.7	U	**7.2**		< 3.7	U	**15**		< 3.7	U	< 3.8	U	< 3.6	U	< 3.7	U	< 4.2	U	< 3.8	U	< 3.7	U
Heptachlor	76-44-8	15,000	420	42	< 7.3	U	< 7.4	U	< 6.9	U	< 7.5	U	< 7.1	U	< 7.3	U	< 7.5	U	< 7.2	U	< 7.4	U	< 8.4	U	< 7.6	U	< 7.5	U
Heptachlor epoxide	1024-57-3	NA	NA	NA	< 7.3	U	< 7.4	U	< 6.9	U	< 7.5	U	< 7.1	U	< 7.3	U	< 7.5	U	< 7.2	U	< 7.4	U	< 8.4	U	< 7.6	U	< 7.5	U
Methoxychlor	72-43-5	NA	NA	NA	< 37	U	< 37	U	< 35	U	< 37	U	< 35	U	< 37	U	< 38	U	< 36	U	< 37	U	< 42	U	< 38	U	< 37	U
Toxaphene	8001-35-2	NA	NA	NA	< 150	U	< 150	U	< 140	U	< 150	U	< 140	U	< 150	U	< 150	U	< 140	U	< 150	U	< 170	U	< 150	U	< 150	U
Herbicides																											
2,4,5-T	93-76-5	NA	NA	NA	< 91	U	< 93	U	< 88	U	< 93	U	< 89	U	< 92	U	< 94	U	< 90	U	< 92	U	< 100	U	< 95	U	< 96	U
2,4,5-TP (Silvex)	93-72-1	500,000	58,000	3,800	< 91	U	< 93	U	< 88	U	< 93	U	< 89	U	< 92	U	< 94	U	< 90	U	< 92	U	< 100	U	< 95	U	< 96	U
2,4-D	94-75-7	NA	NA	NA	< 180	U	< 190	U	< 180	U	< 190	U	< 180	U	< 180	U	< 190	U	< 180	U	< 180	U	< 210	U	< 190	U	< 190	U
2,4-DB	94-82-6	NA	NA	NA	< 1800	U	< 1900	U	< 1800	U	< 1900	U	< 1800	U	< 1800	U	< 1900	U	< 1800	U	< 1800	U	< 2100	U	< 1900	U	< 1900	U
Dalapon	75-99-0	NA	NA	NA	< 91	U	< 93	U	< 88	U	< 93	U	< 89	U	< 92	U	< 94	U	< 90	U	< 92	U	< 100	U	< 95	U	< 96	U
Dicamba	1918-00-9	NA	NA	NA	< 91	U	< 93	U	< 88	U	< 93	U	< 89	U	< 92	U	< 94	U	< 90	U	< 92	U	< 100	U	< 95	U	< 96	U
Dichloroprop	120-36-5	NA	NA	NA	< 180	U	< 190	U	< 180	U	< 190	U	< 180	U	< 180	U	< 190	U	< 180	U	< 180	U	< 210	U	< 190	U	< 190	U
Dinoseb	88-85-7	NA	NA	NA	< 180	U	< 190	U	< 180	U	< 190	U	< 180	U	< 180	U	< 190	U	< 180	U	< 180	U	< 210	U	< 190	U	< 190	U

Notes:
Concentrations are provided in micrograms per kilogram (ug/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.
Bold and Highlighted: Results indicate those detected above Unrestricted Use SCOs
NA-No applicable standard

ATTACHMENT 1

WORK PLAN (WITHOUT HASP) AND NYSDEC APPROVAL 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

August 30, 2019

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

Re: Building 310 – Proposed Loading Dock Area
Soil Characterization Work Plan
iPark 84, Former IBM East Fishkill Facility
NYSDEC Site No. 314054, EPA ID NYD000707901

Dear Mr. Heaney:

The New York State Department of Environmental Conservation and Department of Health (Departments) have reviewed the Building 310 Proposed Loading Docks Area Soil Characterization Work Plan. The Departments have the following comments on the workplan:

1. During excavation activities if grossly contaminated media is encountered, all work activities must be suspended, and the Departments must be notified.
2. Once the excavation area and work support area are known, please provide the Departments a map showing the proposed air monitoring locations.
3. The Community Air Monitoring Plan data must be reported to the Departments weekly instead of at the end of the project.

The workplan is conditionally approved with the inclusion of the comments above. Please provide notification to the Departments when work is scheduled to begin and of any changes due to field conditions in a timely manner. If you have any questions, please call me at (518) 402-9821.

Sincerely,

Jessica LaClair

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

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

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

WALDEN ENVIRONMENTAL ENGINEERING

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

August 19, 2019
iPARK0118.28

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 220 (Formerly Building 310) Proposed Loading Docks Area
Soil Characterization Work Plan

Dear Ms. LaClair:

Walden Environmental Engineering, PLLC (Walden) is submitting this Soil Characterization Work Plan on behalf of National Resources (NR), the owner of Building 220 (formerly Building 310) at the iPark 84 Former IBM East Fishkill Facility located in Hopewell Junction, New York.

This Work Plan was prepared in support of NR's plans to install a loading docks area at Building 220 at iPark 84 (former IBM East Fishkill Facility, the "Facility") (refer to **Figure 1**). Building 220 is located within Operable Unit 5 (OU5) in "Area A" of the Facility, where the primary constituents of concern are perchloroethylene and its breakdown products and Freon TF (1,1,2-trichloro-1,2,2-trifluoroethane). The sampling presented herein will provide data needed to characterize and evaluate existing soil conditions in the area of the proposed loading docks to allow the appropriate arrangements for handling/disposal to be made prior to excavation activities. In addition, the data will document the nature of the soils and contaminants that will remain in place beneath any backfill, pavement or structures installed during construction of the proposed loading docks.

Pursuant to Section 9.0 and Appendix C of the Facility's Draft Interim Site Management Plan (ISMP), dated August 2017, Walden provided notice of this proposed project via email to the NYSDEC representative (Jessica LaClair) on Friday, March 8, 2019. As detailed below, this soil sampling program is being performed in step with the construction of four (4) loading docks and appurtenant paving, along the western face of Building 220. The existing grade adjacent to Building 220 is approximately five (5) feet higher than the pavement below in the southern portion of the proposed loading docks area. A concrete retaining wall supports the raised area. This wall slopes down in the middle portion of the

loading docks area as gradient changes between the building and meets the pavement below. Sections of the existing retaining wall will be removed and replaced as the area is excavated and regraded in step with the loading dock construction work.

The main loading area will be approximately 120 feet long, and the excavation/grading required to install the loading docks area is not expected to exceed 12 feet wide by 10 feet deep. The access driveway to the loading docks area will be approximately 130 feet long, and the excavation/grading required to install the pavement is not expected to exceed 40 feet wide by an average of approximately 5.5 feet deep. The total volume of material to be removed during construction is expected to be no more than approximately 1,600 cubic yards. The area will be paved with asphalt upon completion.

During the work, National Resources will protect the existing groundwater monitoring well (MW-200) near the northwest corner of Building 220. The existing fire hydrant in the proposed loading docks area will be relocated prior to construction. The soil disturbance associated with the fire hydrant will be appropriately monitored and characterized, as detailed below.

Pre-Construction Field Investigation

The following soil characterization activities will be conducted prior to construction within the proposed Building 220 loading docks area at the Facility upon NYSDEC approval of this Work Plan. It is expected that this soil investigation [anticipated to be completed in one (1) day of field work] will be completed in September 2019. No excavation will begin until the pre-construction field investigation results have been evaluated, summarized and submitted to NYSDEC and NYSDOH.

Soil Sampling

Soil coring will be conducted at twelve (12) locations (designated as SB-1 through SB-12) throughout the proposed area of excavation for the new loading docks, as shown on **Figure 2**. Note that the sampling locations will be modified in the field, as needed, to avoid interference with underground utilities and structures which will be marked out prior to the investigation. All sampling locations will be cleared by ground-penetrating radar before drilling commences.

The investigation will be conducted in general accordance with the NYSDEC Division of Environmental Resources (DER) Technical Guidance for Site Investigation and Remediation (DER-10), Appendix C [Intrusive Activities Work Plan (IAWP)] of the ISMP, and 29 CFR 1910.120. Field personnel will don the appropriate health and safety equipment, as outlined in the Health and Safety Plan (HASP), provided as **Appendix A**. Should grossly contaminated media be encountered during this process, all work activities will be suspended and the NYSDEC will be notified.

A Geoprobe with five (5) foot (ft) macrocores, or similar, will be utilized at each of the five (5) soil coring locations within the upper paved area located closer to the building (SB-8, SB-9, SB-10, SB-11 and SB-12) to retrieve a continuous soil core to fifteen (15) ft below grade (bg), extending approximately five (5) ft below the proposed maximum depth of excavation for the loading docks area construction. Those cores in the grassy sloped area and the lower paved area to be disturbed

(seven [7] locations: SB-1, SB-2, SB-3, SB-4, SB-5, SB-6 and SB-7) will extend to ten (10) ft bg as the anticipated depth of disturbance is less than four (4) feet in those areas. SB-7 will be installed in the vicinity of the existing fire hydrant to be relocated. The cores will be visually inspected, screened for volatile organic compound (VOC) concentrations using a photoionization detector (PID) that has been properly calibrated according to manufacturer's instructions each day prior to sampling, and logged in the field book by field personnel. Should the core not contain enough material for sufficient screening, a second core shall be collected immediately adjacent to the first. Groundwater is not anticipated to be encountered during this process. Excess soils removed from each soil core location shall be placed back into the borehole before moving on to the next location.

Note that the scope of the sampling may be modified in the field as needed to collect additional site characterization information based on observations and conditions encountered during the investigation. Field adjustments may include installing additional soil cores or extending coring depths, depending on site conditions. All modifications to the sampling scope will be documented in the field book. Any additional samples shall be screened, logged and handled in the same manner as the other soil samples, as described herein.

Each of the 15-foot soil cores will be split into three (3) screening intervals and those drilled to ten (10) ft bg will be split into two (2) intervals:

- 0-5 ft bg (all cores);
- 5-10 ft bg (all cores); and
- 10-15 ft bg (deep cores).

Three (3) of the soil cores will be selected for laboratory sample analysis based on the cores exhibiting the greatest visual or olfactory evidence of contamination (odors/staining) and/or the highest PID screening measurement. If screening and observations show no evidence of contamination, samples from the cores closest (SB-11) and farthest from the building (SB-1 and SB-4) will be sent to the laboratory (see **Figure 2**).

From each of the three (3) selected soil cores, three (3) soil samples will be collected for laboratory analysis, one (1) from within the 0-5 ft bg, 5-10 ft bg, and 10-15 ft bg (deep cores only) intervals, for a total of nine (9) soil samples to be analyzed (at most). Should the selected borings all be shallow borings, two (2) samples will be collected from each, one from the 0-5 ft bg and one from the 5-10 ft bg intervals. Discrete samples will be collected for VOC analysis from intervals selected based on the highest screening results or evidence of contamination within that interval (when applicable). Composite samples from each interval will be submitted for laboratory analysis of semi-volatile organic compounds (SVOCs), target analyte list (TAL) metals, pesticides, herbicides and polychlorinated biphenyls (PCBs).

A project logbook/field notebook will be maintained to record all field activities and observations during the screening. Soil boring logs will be prepared for the final summary report.

Sample bottles, provided by the laboratory and appropriate for the analyses being performed, will be labeled in the field, placed into a sampling cooler and kept on ice for subsequent delivery to the laboratory. Each of the samples shall be sent under chain-of-custody protocol to a laboratory certified by the NYSDOH Environmental Laboratory Accreditation Program (ELAP) for analysis.

Laboratory Analysis

Soil samples will be sent under chain-of-custody protocol and on ice via overnight courier or hand delivery to Phoenix Environmental Laboratories, Inc., an ELAP certified laboratory (NYSDOH ELAP #11301) located in Manchester, CT. All analyses will be conducted on a standard turn-around time basis unless NR calls for expedited analysis. The laboratory results will be provided to Walden with NYSDEC ASP Category B deliverable packages.

The soil samples will be analyzed for NYCRR Part 375-6.8 VOCs, SVOCs, pesticides, herbicides, PCBs and target analyte list (TAL) metals, via USEPA Methods 8260/5035, 8270, 8081B, 8151A, 8082A and 6010, respectively.

The laboratory analytical data for the soil samples will be compared to the NYCRR Part 375-6.8(b) restricted use Soil Cleanup Objectives (SCOs) for various categories ranging from unrestricted to commercial use.

Decontamination Procedures

Non-disposable sampling equipment will be decontaminated between locations using the following procedures:

- Remove any large debris, such as clumps of soil, from the equipment by hand;
- Wash and scrub the equipment with a detergent solution, such as Alconox or equivalent, and potable water; and
- Rinse the equipment with potable water.

Waste Handling

Disposable sampling supplies will be bagged/containerized and properly disposed of as solid waste. Decontamination fluids will be containerized and discharged to the on-site industrial waste drainage system.

CAMP Air Monitoring

The Community Air Monitoring Plan (CAMP), presented in **Appendix B**, will be implemented during all ground intrusive activities (pre-construction soil sampling, excavation, and post-excavation sampling). The CAMP reports will be submitted to NYSDEC and NYSDOH upon completion of the project.

Post-Excavation Soil Sampling

In order to characterize the soils that will remain in place following the proposed loading docks area construction, post-excavation samples will be collected from the bottom and sidewalls of the excavation. The post-excavation samples will be collected from the top of the exposed soils to six (6) inches into the soil remaining in place.

- A total of four (4) sidewall samples will be collected, one (1) sample from the approximate midpoint along the north, south, east and west walls of the excavation; and
    - The sidewall samples will be collected from a depth midway between the ground surface and the bottom of the excavation.
    - If the foundation of Building 220 prevents collection of the west sidewall sample, a soil sample will be collected from the base of the excavation next to the foundation.
- Two (2) soil samples will be collected from the bottom of the excavation.

The post-excavation sidewall and bottom samples will be screened, logged and submitted for laboratory analysis of VOCs, SVOCs, TAL metals, pesticides, herbicides and PCBs as described for the pre-construction field investigation.

Excavated Soil Handling and Backfilling

Soils excavated during loading docks construction will be stockpiled on plastic and covered with anchored tarps. The stockpiles will be surrounded with hay bales, silt fencing or other erosion and sedimentation control measures. The soil sampling results from the pre-construction field investigation will be compared to the NYCRR Part 375-6.8(b) restricted use SCOs to characterize the excavated soils for disposal. If the soil meets the SCOs for commercial use, it will be returned to the subsurface as backfill or taken to Lot 3 where it will be stockpiled for future re-use on-site.

Any soils that do not meet the SCOs for commercial use will be disposed of off-site in accordance with Sections 8.0 and 9.0 of the Intrusive Activities Work Plan (Materials Transport Off-site and Materials Disposal Off-site).

A geotextile fabric liner will be placed in the excavation as a demarcation layer prior to backfilling to provide a visual reference to the top of the "Remaining Impacted Media Zone" in accordance with Section 12.0 of the Intrusive Activities Work Plan (Cover System Restoration).

Reporting

Upon completion of the Building 220 loading docks area site characterization activities, excavation work, construction and site restoration, Walden will prepare a report of findings that will document all of the fieldwork described herein, including tables of analytical results, field logs, photographs, figures and recommendations. This report will be submitted to NYSDEC and NYSDOH for review.

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

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

Figure 1 – Site Plan
Figure 2 – Proposed Sampling Plan Building 220 Loading Docks Area

Appendix A – Health and Safety Plan
Appendix B – Community Air Monitoring Plan

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FIGURES

SITE PLAN

SCALE: 1" = 60'-0"

0 30 60 120 180

SCALE: 1"=60'

WALDEN ENVIRONMENTAL ENGINEERING, PLLC
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WWW.WALDENENVIRONMENTALENGINEERING.COM
Walden Environmental Engineering

REVISION		
No.	DATE	COMMENTS

FOR: BUILDING 220 (FORMER 310)
iPark 84 Campus
2070 State Route 52
Hopewell Junction, NY 12533

DRAWING TITLE: SITE PLAN
BUILDING 220 (FORMERLY 310)
LOADING DOCK AREA

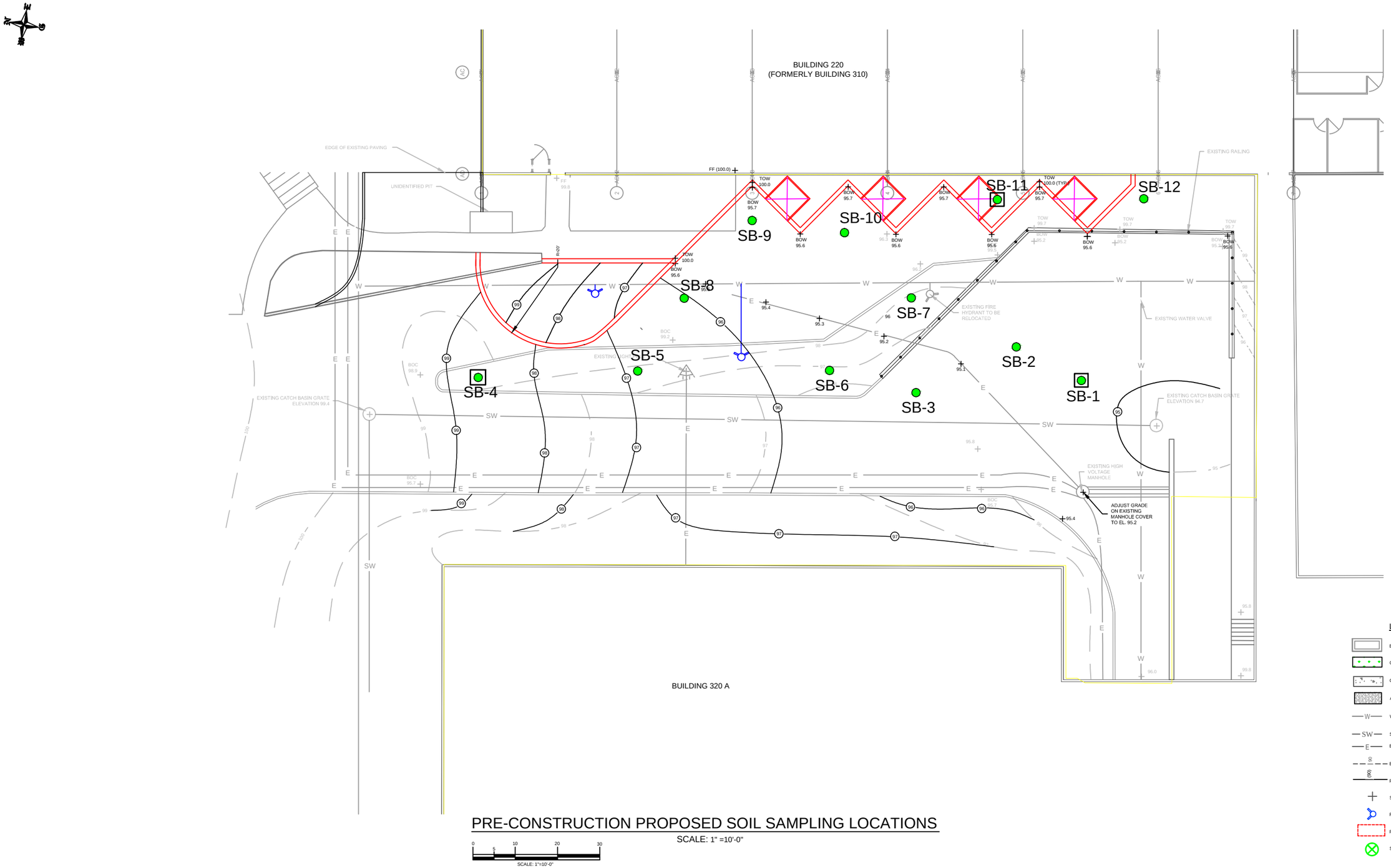
FIGURE NO: 1

ISSUED

REVISION NO: 0

DESIGNED BY: NMB | DRAWN BY: EJK | JOB NO: IPARK118.28 | DATE: 12/6/19 | 11x17 | SHEET NO: 1 OF 2

APPROVED BY: JMH | SCALE: AS NOTED | CAD FILE NAME: Z:\iPark\118\iPark0118.28 - Bldg 310 Loading Dock Sampling Plan\Pre-Construction Sampling\310 Loading Dock Site Plan.dwg



PRE-CONSTRUCTION PROPOSED SOIL SAMPLING LOCATIONS

SCALE: 1" =10'-0"

0 5 10 20 30

SCALE: 1"=10'-0"

LEGEND

- BUILDING
- GRASS AREA
- CONCRETE AREA
- ASPHALT AREA
- W — WATER LINE
- SW — STORM WATER
- E — ELECTRIC LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- SPOT ELEVATION
- FIRE HYDRANT
- PROPOSED PARKING SPACES
- SB-PROPOSED SOIL SAMPLING LOCATION

Walden Environmental Engineering

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FOR:
BUILDING 220 (FRM 310)
IPARK CAMPUS
2070 ROUTE 52
HOPEWELL JUNCTION, NEW YORK

DRAWING TITLE:
PRE-CONSTRUCTION PROPOSED SOIL SAMPLING LOCATIONS
LOADING DOCKS AREA
BUILDING 220 (FORMERLY 310)

DRAWING NO: 2

DESIGNED BY: LL	DRAWN BY: FB	JOB NO: iPARK0118.29	DATE: 3/21/2019
APPROVED BY: JMH	SCALE : AS NOTED	CAD FILE NAME: Z:\iPark0118\iPark0118.28 - Bldg 310 Loading Dock Sampling Plan\Ipark0118.28_Sampling_plans.dwg	

APPENDIX A
HEALTH AND SAFETY PLAN

APPENDIX B
COMMUNITY AIR MONITORING PLAN

iPARK 84
(FORMER IBM EAST FISHKILL FACILITY)

BUILDING 220 (FORMERLY BUILDING 310) SOIL CHARACTERIZATION COMMUNITY AIR MONITORING PLAN (CAMP)

The following Community Air Monitoring Plan (CAMP) is based on the New York State Department of Environmental Conservation's (NYSDEC's) Division of Environmental Remediation Technical Guidance for Site Investigation and Remediation (DER-10) (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.

Overview

A 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.

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 soil boring, 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 project summary report which shall be submitted to NYSDEC and NYSDOH. The summary report 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

Based upon the nature of known or potential contaminants in the vicinity of Building 220, real-time air monitoring for volatile organic compounds (VOCs) and particulate levels at the perimeter of the exclusion zone/work area will be necessary.

Continuous monitoring will be required for all ground intrusive activities and during the demolition of contaminated or potentially contaminated structures. Ground intrusive activities in this case include, but are not limited to, soil/waste excavation and handling, test pitting or trenching, and the installation of soil borings.

Periodic monitoring for VOCs will be required during non-intrusive activities such as the collection of soil samples. "Periodic" monitoring during sample collection might reasonably consist of taking a reading upon arrival at a sample location, monitoring while overturning soil, 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 photoionization detector (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 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 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 five (5) ppm over background for the 15-minute average; and
- 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 (NYSDEC and NYSDOH) 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 ten (10) micrometers in size (PM-10) and capable of integrating over a period of fifteen (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 (NYSDEC and NYSDOH) 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; and
- 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.

Summary

As noted above, air monitoring activities for the iPark 84 Building 220 proposed loading dock work described in the *Building 220 (Formerly Building 330) Proposed Loading Dock Area Soil Characterization Work Plan* (Walden, August 2019) will be appropriate for the soil sampling activities to be conducted at Building 220. Therefore, the CAMP will encompass VOC and particulate monitoring during the ground intrusive activities. A CAMP report will be submitted to NYSDEC and NYSDOH upon completion of the project.

ATTACHMENT 2

NOVEMBER 14, 2019 EMAIL TO NYSDEC

From:	Erica M Johnston
To:	"LaClair, Jess A (DEC)"; "Kenney, Julia M (HEALTH)"
Cc:	chartd@us.ibm.com; "Mike Buckley"; "Carl Monheit"; "Jared Schlosser"; "Nora Brew"; "Ted Nitza"; "Kerri Ann Wright"
Subject:	iPark 84 Building 310 Loading Dock Pre Construction Investigation
Date:	Thursday, November 14, 2019 9:18:26 AM

Good Morning,

Please be advised that Walden plans to execute the Pre-Construction Field Investigation of the future loading dock area at Building 310 at the iPark84 Site on Monday, November 18 and Tuesday, November 19 in accordance with the Work Plan dated August 19, 2019. The NYSDEC/NYSDOH issued an approval letter for this work plan on August 30, 2019.

The work will consist of a Ground Penetrating Radar Survey/Utility mark out followed by the installation of twenty (20) soil probes to varying depths (either 10 feet bgs or 15 feet bgs). Please note that we have added eight (8) sampling locations to the work area in the event that iPark wishes to extend the excavation of the loading dock to the entire area. Based on the previously approved sampling frequency described in the approved work plan, two additional soil core locations will be collected for laboratory analysis. Up to three samples will be collected from each core, for an (maximum of) six (6) additional soil samples will be analyzed for VOCs, SVOCs, Pesticides, Herbicides, PCBs, and TAL Metals. CAMP stations will be running upwind and downwind of the sampling area from before drilling begins until after it is completed. Please reach out to me with any questions you may have.

ERICA JOHNSTON
ENVIRONMENTAL SCIENTIST

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

ADDITIONAL LOCATIONS
CAPITAL DISTRICT * HUDSON VALLEY

ATTACHMENT 3

SITE PHOTOGRAPHS

Photograph 1

View of work area.

Photograph 2

Existing loading dock in the western portion of the work area.

Photograph 3

GPR survey being conducted.

Photograph 4

CAMP Station #1 to the north of the work area.

Photograph 5

Screening of soil cores with a PID.

Photograph 6

Geoprobe conducting drilling in the sampling area.

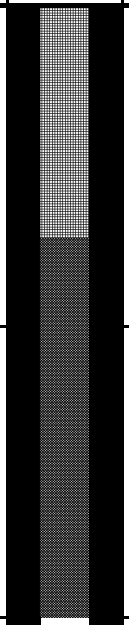
ATTACHMENT 4

BORING LOGS

BORING/WELL LOG

WALDEN ENVIRONMENTAL ENGINEERING				SHEET: 1 OF 20
BORING/WELL I.D.: SB-1			CLIENT:	iPark
DATE(S) DRILLED: 11/18/2019			PROJECT NAME:	Building 220 (310) Loading Docks Area
DRILL METHOD: Geoprobe			PROJECT NO.:	iPark0118.28
BORING DIAMETER: 3"			PROJECT LOCATION:	Fishkill, NY
SAMPLING METHOD/INTERVAL:				
LOGGED BY: EMJ			DRILLING CONTR.:	Lakewood Environmental
REMARKS:				
WELL CONSTRUCTION INFORMATION				
OUTER CASING SIZE AND MATERIAL:			OUTER CASING INTERVAL:	
INNER CASING SIZE AND MATERIAL:			INNER CASING INTERVAL:	
SCREEN SIZE AND MATERIAL:			SCREEN INTERVAL:	
SAND PACK SIZE AND MATERIAL:			SAND PACK INTERVAL:	
GROUT TYPE:			BENTONITE SEAL INTERVAL:	
GROUT METHOD:			GROUT INTERVAL:	
DEVELOPMENT METHOD:			DEVELOPMENT TIME:	
STATIC WATER DEPTH:	DATE:		REF. POINT:	
ELEV. REFERENCE POINT:			REMARKS:	No well installation
WELL/BOREHOLE ABANDONMENT INFORMATION				
ABANDONMENT DATE: 11/18/19			ABANDONMENT METHOD: Backfill	

DESCRIPTIVE LOG

SAMPLE INTERVAL	SAMPLE REC. (%)	BLOWS PER 6"	PID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
0-5' bg	80%	NA	0.0		-0- - -1- - -2- - -3- - -4- - -5-	Brown coarse soil mixed with stones, cobbles and clay. No petroleum stains or odors.
5-10' bg	75%	NA	0.0		- -6- - -7- - -8- - -9- - -10-	Clay mixed with stones and boulders. No petroluem stains or odors. End of boring.
					- -11- - -12- - -13- - -14- - -15- - -16- -	

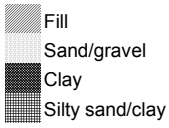
Fill
Sand/gravel
Clay
Coarse soil

BORING/WELL LOG

WALDEN ENVIRONMENTAL ENGINEERING				SHEET: 2 OF 20
BORING/WELL I.D.: SB-2			CLIENT:	iPark
DATE(S) DRILLED: 11/18/2019			PROJECT NAME:	Building 220 (310) Loading Docks Area
DRILL METHOD: Geoprobe			PROJECT NO.:	iPark0118.28
BORING DIAMETER: 3"			PROJECT LOCATION:	Fishkill, NY
SAMPLING METHOD/INTERVAL:				
LOGGED BY: EMJ			DRILLING CONTR.:	Lakewood Environmental
REMARKS:				
WELL CONSTRUCTION INFORMATION				
OUTER CASING SIZE AND MATERIAL:			OUTER CASING INTERVAL:	
INNER CASING SIZE AND MATERIAL:			INNER CASING INTERVAL:	
SCREEN SIZE AND MATERIAL:			SCREEN INTERVAL:	
SAND PACK SIZE AND MATERIAL:			SAND PACK INTERVAL:	
GROUT TYPE:			BENTONITE SEAL INTERVAL:	
GROUT METHOD:			GROUT INTERVAL:	
DEVELOPMENT METHOD:			DEVELOPMENT TIME:	
STATIC WATER DEPTH:	DATE:		REF. POINT:	
ELEV. REFERENCE POINT:			REMARKS:	No well installation
WELL/BOREHOLE ABANDONMENT INFORMATION				
ABANDONMENT DATE: 11/18/19			ABANDONMENT METHOD: Backfill	

DESCRIPTIVE LOG

SAMPLE INTERVAL	SAMPLE REC. (%)	BLOWS PER 6"	PID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
0-5' bg	75%	NA	0.1		-0- -1- -2- -3- -4- -5-	Brown coarse soil mixed with stones, cobbles and clay. No petroleum stains or odors.
5-10' bg	80%	NA	0.0		-6- -7- -8- -9- -10-	Clay mixed with stones and boulders. No petroluem stains or odors. End of boring.
					-11- -12- -13- -14- -15- -16-	

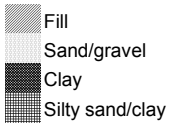


BORING/WELL LOG

WALDEN ENVIRONMENTAL ENGINEERING				SHEET: 3 OF 20
BORING/WELL I.D.: SB-3			CLIENT:	iPark
DATE(S) DRILLED: 11/18/2019			PROJECT NAME:	Building 220 (310) Loading Docks Area
DRILL METHOD: Geoprobe			PROJECT NO.:	iPark0118.28
BORING DIAMETER: 3"			PROJECT LOCATION:	Fishkill, NY
SAMPLING METHOD/INTERVAL:				
LOGGED BY: EMJ			DRILLING CONTR.:	Lakewood Environmental
REMARKS:				
WELL CONSTRUCTION INFORMATION				
OUTER CASING SIZE AND MATERIAL:			OUTER CASING INTERVAL:	
INNER CASING SIZE AND MATERIAL:			INNER CASING INTERVAL:	
SCREEN SIZE AND MATERIAL:			SCREEN INTERVAL:	
SAND PACK SIZE AND MATERIAL:			SAND PACK INTERVAL:	
GROUT TYPE:			BENTONITE SEAL INTERVAL:	
GROUT METHOD:			GROUT INTERVAL:	
DEVELOPMENT METHOD:			DEVELOPMENT TIME:	
STATIC WATER DEPTH:	DATE:		REF. POINT:	
ELEV. REFERENCE POINT:			REMARKS:	No well installation
WELL/BOREHOLE ABANDONMENT INFORMATION				
ABANDONMENT DATE: 11/18/19			ABANDONMENT METHOD: Backfill	

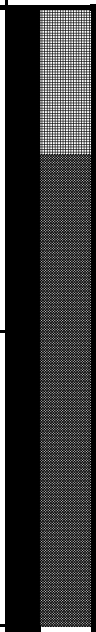
DESCRIPTIVE LOG

SAMPLE INTERVAL	SAMPLE REC. (%)	BLOWS PER 6"	PID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
0-5' bg	65%	NA	0.1		-0- -1- -2- -3- -4- -5-	Brown coarse soil mixed with stones, cobbles and clay. No petroleum stains or odors.
5-10' bg	75%	NA	0.0		-6- -7- -8- -9- -10-	Clay mixed with stones and boulders. No petroluem stains or odors. End of boring.
					-11- -12- -13- -14- -15- -16-	



BORING/WELL LOG

WALDEN ENVIRONMENTAL ENGINEERING				SHEET: 4 OF 20
BORING/WELL I.D.: SB-4			CLIENT:	iPark
DATE(S) DRILLED: 11/18/2019			PROJECT NAME:	Building 220 (310) Loading Docks Area
DRILL METHOD: Geoprobe			PROJECT NO.:	iPark0118.28
BORING DIAMETER: 3"			PROJECT LOCATION:	Fishkill, NY
SAMPLING METHOD/INTERVAL:				
LOGGED BY: EMJ			DRILLING CONTR.:	Lakewood Environmental
REMARKS:				
WELL CONSTRUCTION INFORMATION				
OUTER CASING SIZE AND MATERIAL:			OUTER CASING INTERVAL:	
INNER CASING SIZE AND MATERIAL:			INNER CASING INTERVAL:	
SCREEN SIZE AND MATERIAL:			SCREEN INTERVAL:	
SAND PACK SIZE AND MATERIAL:			SAND PACK INTERVAL:	
GROUT TYPE:			BENTONITE SEAL INTERVAL:	
GROUT METHOD:			GROUT INTERVAL:	
DEVELOPMENT METHOD:			DEVELOPMENT TIME:	
STATIC WATER DEPTH:	DATE:		REF. POINT:	
ELEV. REFERENCE POINT:			REMARKS:	No well installation
WELL/BOREHOLE ABANDONMENT INFORMATION				
ABANDONMENT DATE: 11/18/19		ABANDONMENT METHOD: Backfill		
DESCRIPTIVE LOG				

SAMPLE INTERVAL	SAMPLE REC. (%)	BLOWS PER 6"	PID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
0-5' bg	75%	NA	10.3		-0- - -1- - -2- - -3- - -4- - -5-	Brown coarse soil mixed with stones, cobbles and clay. No petroleum stains or odors.
5-10' bg	90%	NA	0.0		- -6- - -7- - -8- - -9- - -10-	Clay mixed with stones and boulders. No petroluem stains or odors. End of boring.
					- -11- - -12- - -13- - -14- - -15- - -16- -	

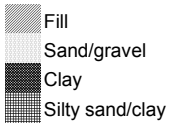
Fill
Sand/gravel
Clay
Silty sand/clay

BORING/WELL LOG

WALDEN ENVIRONMENTAL ENGINEERING				SHEET: 5 OF 20
BORING/WELL I.D.: SB-5			CLIENT:	iPark
DATE(S) DRILLED: 11/18/2019			PROJECT NAME:	Building 220 (310) Loading Docks Area
DRILL METHOD: Geoprobe			PROJECT NO.:	iPark0118.28
BORING DIAMETER: 3"			PROJECT LOCATION:	Fishkill, NY
SAMPLING METHOD/INTERVAL:				
LOGGED BY: EMJ			DRILLING CONTR.:	Lakewood Environmental
REMARKS:				
WELL CONSTRUCTION INFORMATION				
OUTER CASING SIZE AND MATERIAL:			OUTER CASING INTERVAL:	
INNER CASING SIZE AND MATERIAL:			INNER CASING INTERVAL:	
SCREEN SIZE AND MATERIAL:			SCREEN INTERVAL:	
SAND PACK SIZE AND MATERIAL:			SAND PACK INTERVAL:	
GROUT TYPE:			BENTONITE SEAL INTERVAL:	
GROUT METHOD:			GROUT INTERVAL:	
DEVELOPMENT METHOD:			DEVELOPMENT TIME:	
STATIC WATER DEPTH:	DATE:		REF. POINT:	
ELEV. REFERENCE POINT:			REMARKS:	No well installation
WELL/BOREHOLE ABANDONMENT INFORMATION				
ABANDONMENT DATE: 11/18/19			ABANDONMENT METHOD: Backfill	

DESCRIPTIVE LOG

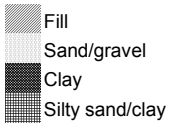
SAMPLE INTERVAL	SAMPLE REC. (%)	BLOWS PER 6"	PID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
0-5' bg	60%	NA	3.7		-0- - -1- - -2- - -3- - -4- - -5-	Brown coarse soil mixed with stones, cobbles and clay. No petroleum stains or odors.
5-10' bg	80%	NA	0.0		- -6- - -7- - -8- - -9- - -10-	Clay mixed with stones and boulders. No petroluem stains or odors. End of boring.
					- -11- - -12- - -13- - -14- - -15- - -16- -	



BORING/WELL LOG

WALDEN ENVIRONMENTAL ENGINEERING				SHEET: 6 OF 20
BORING/WELL I.D.: SB-6			CLIENT:	iPark
DATE(S) DRILLED: 11/18/2019			PROJECT NAME:	Building 220 (310) Loading Docks Area
DRILL METHOD: Geoprobe			PROJECT NO.:	iPark0118.28
BORING DIAMETER: 3"			PROJECT LOCATION:	Fishkill, NY
SAMPLING METHOD/INTERVAL:				
LOGGED BY: EMJ			DRILLING CONTR.:	Lakewood Environmental
REMARKS:				
WELL CONSTRUCTION INFORMATION				
OUTER CASING SIZE AND MATERIAL:			OUTER CASING INTERVAL:	
INNER CASING SIZE AND MATERIAL:			INNER CASING INTERVAL:	
SCREEN SIZE AND MATERIAL:			SCREEN INTERVAL:	
SAND PACK SIZE AND MATERIAL:			SAND PACK INTERVAL:	
GROUT TYPE:			BENTONITE SEAL INTERVAL:	
GROUT METHOD:			GROUT INTERVAL:	
DEVELOPMENT METHOD:			DEVELOPMENT TIME:	
STATIC WATER DEPTH:	DATE:		REF. POINT:	
ELEV. REFERENCE POINT:			REMARKS:	No well installation
WELL/BOREHOLE ABANDONMENT INFORMATION				
ABANDONMENT DATE: 11/18/19		ABANDONMENT METHOD: Backfill		
DESCRIPTIVE LOG				

SAMPLE INTERVAL	SAMPLE REC. (%)	BLOWS PER 6"	PID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
0-5' bg	70%	NA	0.0		-0- -1- -2- -3- -4- -5-	Brown coarse soil mixed with stones, cobbles and clay. No petroleum stains or odors.
5-10' bg	60%	NA	0.0		-6- -7- -8- -9- -10-	Clay mixed with stones and boulders. No petroluem stains or odors. End of boring.
					-11- -12- -13- -14- -15- -16-	

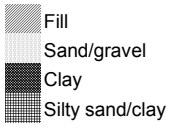


BORING/WELL LOG

WALDEN ENVIRONMENTAL ENGINEERING				SHEET: 7 OF 20
BORING/WELL I.D.: SB-7			CLIENT:	iPark
DATE(S) DRILLED: 11/18/2019			PROJECT NAME:	Building 220 (310) Loading Docks Area
DRILL METHOD: Geoprobe			PROJECT NO.:	iPark0118.28
BORING DIAMETER: 3"			PROJECT LOCATION:	Fishkill, NY
SAMPLING METHOD/INTERVAL:				
LOGGED BY: EMJ			DRILLING CONTR.:	Lakewood Environmental
REMARKS:				
WELL CONSTRUCTION INFORMATION				
OUTER CASING SIZE AND MATERIAL:			OUTER CASING INTERVAL:	
INNER CASING SIZE AND MATERIAL:			INNER CASING INTERVAL:	
SCREEN SIZE AND MATERIAL:			SCREEN INTERVAL:	
SAND PACK SIZE AND MATERIAL:			SAND PACK INTERVAL:	
GROUT TYPE:			BENTONITE SEAL INTERVAL:	
GROUT METHOD:			GROUT INTERVAL:	
DEVELOPMENT METHOD:			DEVELOPMENT TIME:	
STATIC WATER DEPTH:	DATE:		REF. POINT:	
ELEV. REFERENCE POINT:			REMARKS:	No well installation
WELL/BOREHOLE ABANDONMENT INFORMATION				
ABANDONMENT DATE: 11/18/19			ABANDONMENT METHOD: Backfill	

DESCRIPTIVE LOG

SAMPLE INTERVAL	SAMPLE REC. (%)	BLOWS PER 6"	PID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
0-5' bg	50%	NA	0.0		-0- - -1- - -2- - -3- - -4- - -5-	Brown coarse soil mixed with stones, cobbles and clay. No petroleum stains or odors.
5-10' bg	55%	NA	0.0		- -6- - -7- - -8- - -9- - -10-	Clay mixed with stones and boulders. No petroluem stains or odors. End of boring.
					- -11- - -12- - -13- - -14- - -15- - -16- -	

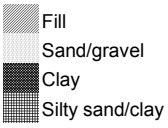


BORING/WELL LOG

WALDEN ENVIRONMENTAL ENGINEERING				SHEET: 8 OF 20
BORING/WELL I.D.: SB-8			CLIENT:	iPark
DATE(S) DRILLED: 11/18/2019			PROJECT NAME:	Building 220 (310) Loading Docks Area
DRILL METHOD: Geoprobe			PROJECT NO.:	iPark0118.28
BORING DIAMETER: 3"			PROJECT LOCATION:	Fishkill, NY
SAMPLING METHOD/INTERVAL:				
LOGGED BY: EMJ			DRILLING CONTR.:	Lakewood Environmental
REMARKS:				
WELL CONSTRUCTION INFORMATION				
OUTER CASING SIZE AND MATERIAL:			OUTER CASING INTERVAL:	
INNER CASING SIZE AND MATERIAL:			INNER CASING INTERVAL:	
SCREEN SIZE AND MATERIAL:			SCREEN INTERVAL:	
SAND PACK SIZE AND MATERIAL:			SAND PACK INTERVAL:	
GROUT TYPE:			BENTONITE SEAL INTERVAL:	
GROUT METHOD:			GROUT INTERVAL:	
DEVELOPMENT METHOD:			DEVELOPMENT TIME:	
STATIC WATER DEPTH:	DATE:		REF. POINT:	
ELEV. REFERENCE POINT:			REMARKS:	No well installation
WELL/BOREHOLE ABANDONMENT INFORMATION				
ABANDONMENT DATE: 11/18/19		ABANDONMENT METHOD: Backfill		

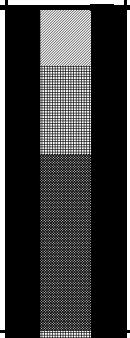
DESCRIPTIVE LOG

SAMPLE INTERVAL	SAMPLE REC. (%)	BLOWS PER 6"	PID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
0-5' bg	80%	NA	0.0		-0- - -1- - -2- - -3- - -4- - -5-	Trace asphalt, Brown coarse soil mixed with stones, cobbles and clay. No petroleum stains or odors.
5-10' bg	100%	NA	0.0		- -6- - -7- - -8- - -9- - -10-	Brown coarse sand, clay mixed with stones and boulders. No petroluem stains or odors.
10-15' bg	100%	NA	0.0		- -11- - -12- - -13- - -14- - -15-	Clay mixed with stones and boulders. No petroluem stains or odors. End of boring.
					- -16- -	



BORING/WELL LOG

WALDEN ENVIRONMENTAL ENGINEERING				SHEET: 9 OF 20
BORING/WELL I.D.: SB-9			CLIENT:	iPark
DATE(S) DRILLED: 11/18/2019			PROJECT NAME:	Building 220 (310) Loading Docks Area
DRILL METHOD: Geoprobe			PROJECT NO.:	iPark0118.28
BORING DIAMETER: 3"			PROJECT LOCATION:	Fishkill, NY
SAMPLING METHOD/INTERVAL:				
LOGGED BY: EMJ			DRILLING CONTR.:	Lakewood Environmental
REMARKS:				
WELL CONSTRUCTION INFORMATION				
OUTER CASING SIZE AND MATERIAL:			OUTER CASING INTERVAL:	
INNER CASING SIZE AND MATERIAL:			INNER CASING INTERVAL:	
SCREEN SIZE AND MATERIAL:			SCREEN INTERVAL:	
SAND PACK SIZE AND MATERIAL:			SAND PACK INTERVAL:	
GROUT TYPE:			BENTONITE SEAL INTERVAL:	
GROUT METHOD:			GROUT INTERVAL:	
DEVELOPMENT METHOD:			DEVELOPMENT TIME:	
STATIC WATER DEPTH:	DATE:		REF. POINT:	
ELEV. REFERENCE POINT:			REMARKS:	No well installation
WELL/BOREHOLE ABANDONMENT INFORMATION				
ABANDONMENT DATE: 11/18/19		ABANDONMENT METHOD: Backfill		
DESCRIPTIVE LOG				

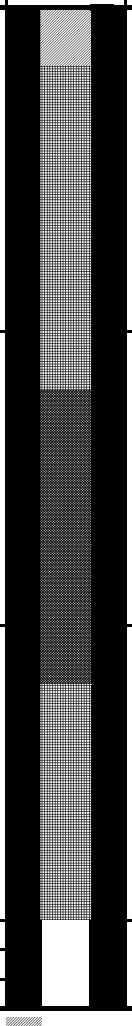
SAMPLE INTERVAL	SAMPLE REC. (%)	BLOWS PER 6"	PID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
0-5' bg	70%	NA	0.0		-0- - -1- - -2- - -3- - -4- - -5-	Asphalt, brown coarse soil mixed with stones, cobbles and clay. No petroleum stains or odors.
5-10' bg	60%	NA	0.0		-6- - -7- - -8- - -9- - -10-	Brown coarse sand, clay mixed with stones and boulders. No petroluem stains or odors.
10-15' bg	80%	NA	0.0		-11- - -12- - -13- - -14- - -15-	Coarse brown sand with mixed stones and cobbles. No petroleum stains or odors. End of boring.
					- -16- -	

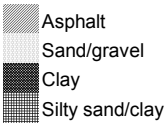
Asphalt
Sand/gravel
Clay
Silty sand/clay

BORING/WELL LOG

WALDEN ENVIRONMENTAL ENGINEERING				SHEET: 10 OF 20
BORING/WELL I.D.: SB-10			CLIENT:	iPark
DATE(S) DRILLED: 11/18/2019			PROJECT NAME:	Building 220 (310) Loading Docks Area
DRILL METHOD: Geoprobe			PROJECT NO.:	iPark0118.28
BORING DIAMETER: 3"			PROJECT LOCATION:	Fishkill, NY
SAMPLING METHOD/INTERVAL:				
LOGGED BY: EMJ			DRILLING CONTR.:	Lakewood Environmental
REMARKS:				
WELL CONSTRUCTION INFORMATION				
OUTER CASING SIZE AND MATERIAL:			OUTER CASING INTERVAL:	
INNER CASING SIZE AND MATERIAL:			INNER CASING INTERVAL:	
SCREEN SIZE AND MATERIAL:			SCREEN INTERVAL:	
SAND PACK SIZE AND MATERIAL:			SAND PACK INTERVAL:	
GROUT TYPE:			BENTONITE SEAL INTERVAL:	
GROUT METHOD:			GROUT INTERVAL:	
DEVELOPMENT METHOD:			DEVELOPMENT TIME:	
STATIC WATER DEPTH:	DATE:		REF. POINT:	
ELEV. REFERENCE POINT:			REMARKS:	No well installation
WELL/BOREHOLE ABANDONMENT INFORMATION				
ABANDONMENT DATE: 11/18/19		ABANDONMENT METHOD: Backfill		

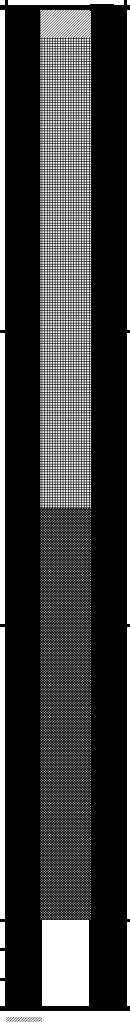
DESCRIPTIVE LOG

SAMPLE INTERVAL	SAMPLE REC. (%)	BLOWS PER 6"	PID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
0-5' bg	80%	NA	0.5		-0- - -1- - -2- - -3- - -4- - -5-	Asphalt, brown coarse soil mixed with stones and cobbles. No petroleum stains or odors.
5-10' bg	75%	NA	0.0		- -6- - -7- - -8- - -9- - -10-	Brown coarse sand, clay mixed with stones and boulders. No petroluem stains or odors.
10-15' bg	30%	NA	0.0		- -11- - -12- - -13- - -14- - -15-	Clay, coarse brown sand with mixed stones and cobbles. No petroleum stains or odors. End of boring.
					- -16- -	



BORING/WELL LOG

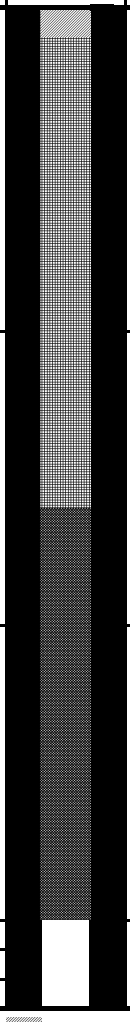
WALDEN ENVIRONMENTAL ENGINEERING				SHEET: 11 OF 20
BORING/WELL I.D.: SB-11			CLIENT:	iPark
DATE(S) DRILLED: 11/18/2019			PROJECT NAME:	Building 220 (310) Loading Docks Area
DRILL METHOD: Geoprobe			PROJECT NO.:	iPark0118.28
BORING DIAMETER: 3"			PROJECT LOCATION:	Fishkill, NY
SAMPLING METHOD/INTERVAL:				
LOGGED BY: EMJ			DRILLING CONTR.:	Lakewood Environmental
REMARKS:				
WELL CONSTRUCTION INFORMATION				
OUTER CASING SIZE AND MATERIAL:			OUTER CASING INTERVAL:	
INNER CASING SIZE AND MATERIAL:			INNER CASING INTERVAL:	
SCREEN SIZE AND MATERIAL:			SCREEN INTERVAL:	
SAND PACK SIZE AND MATERIAL:			SAND PACK INTERVAL:	
GROUT TYPE:			BENTONITE SEAL INTERVAL:	
GROUT METHOD:			GROUT INTERVAL:	
DEVELOPMENT METHOD:			DEVELOPMENT TIME:	
STATIC WATER DEPTH:	DATE:		REF. POINT:	
ELEV. REFERENCE POINT:			REMARKS:	No well installation
WELL/BOREHOLE ABANDONMENT INFORMATION				
ABANDONMENT DATE: 11/18/19		ABANDONMENT METHOD: Backfill		
DESCRIPTIVE LOG				

SAMPLE INTERVAL	SAMPLE REC. (%)	BLOWS PER 6"	PID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
0-5' bg	80%	NA	0.0		-0- - -1- - -2- - -3- - -4- - -5-	Asphalt, brown coarse soil mixed with stones, and cobbles. No petroleum stains or odors.
5-10' bg	75%	NA	0.0		- -6- - -7- - -8- - -9- - -10-	Brown coarse sand, clay mixed with stones and boulders. No petroluem stains or odors.
10-15' bg	40%	NA	0.0		- -11- - -12- - -13- - -14- - -15-	Clay, coarse brown sand with mixed stones and cobbles. No petroleum stains or odors. End of boring.
					- -16- -	

Asphalt
Sand/gravel
Clay
Silty sand/clay

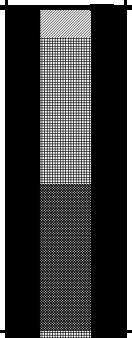
BORING/WELL LOG

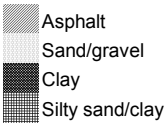
WALDEN ENVIRONMENTAL ENGINEERING				SHEET: 12 OF 20
BORING/WELL I.D.: SB-12			CLIENT:	iPark
DATE(S) DRILLED: 11/18/2019			PROJECT NAME:	Building 220 (310) Loading Docks Area
DRILL METHOD: Geoprobe			PROJECT NO.:	iPark0118.28
BORING DIAMETER: 3"			PROJECT LOCATION:	Fishkill, NY
SAMPLING METHOD/INTERVAL:				
LOGGED BY: EMJ			DRILLING CONTR.:	Lakewood Environmental
REMARKS:				
WELL CONSTRUCTION INFORMATION				
OUTER CASING SIZE AND MATERIAL:			OUTER CASING INTERVAL:	
INNER CASING SIZE AND MATERIAL:			INNER CASING INTERVAL:	
SCREEN SIZE AND MATERIAL:			SCREEN INTERVAL:	
SAND PACK SIZE AND MATERIAL:			SAND PACK INTERVAL:	
GROUT TYPE:			BENTONITE SEAL INTERVAL:	
GROUT METHOD:			GROUT INTERVAL:	
DEVELOPMENT METHOD:			DEVELOPMENT TIME:	
STATIC WATER DEPTH:	DATE:		REF. POINT:	
ELEV. REFERENCE POINT:			REMARKS:	No well installation
WELL/BOREHOLE ABANDONMENT INFORMATION				
ABANDONMENT DATE: 11/18/19		ABANDONMENT METHOD: Backfill		
DESCRIPTIVE LOG				

SAMPLE INTERVAL	SAMPLE REC. (%)	BLOWS PER 6"	PID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
0-5' bg	30%	NA	7.5		-0- - -1- - -2- - -3- - -4- - -5-	Asphalt, brown coarse soil mixed with stones, and cobbles. No petroleum stains or odors.
5-10' bg	55%	NA	0.0		- -6- - -7- - -8- - -9- - -10-	Brown coarse sand, clay mixed with stones and boulders. No petroluem stains or odors.
10-15' bg	90%	NA	0.0		- -11- - -12- - -13- - -14- - -15-	Clay with mixed stones and cobbles. No petroleum stains or odors. End of boring.
					- -16- -	

BORING/WELL LOG

WALDEN ENVIRONMENTAL ENGINEERING				SHEET: 13 OF 20
BORING/WELL I.D.: SB-13			CLIENT:	iPark
DATE(S) DRILLED: 11/18/2019			PROJECT NAME:	Building 220 (310) Loading Docks Area
DRILL METHOD: Geoprobe			PROJECT NO.:	iPark0118.28
BORING DIAMETER: 3"			PROJECT LOCATION:	Fishkill, NY
SAMPLING METHOD/INTERVAL:				
LOGGED BY: EMJ			DRILLING CONTR.:	Lakewood Environmental
REMARKS:				
WELL CONSTRUCTION INFORMATION				
OUTER CASING SIZE AND MATERIAL:			OUTER CASING INTERVAL:	
INNER CASING SIZE AND MATERIAL:			INNER CASING INTERVAL:	
SCREEN SIZE AND MATERIAL:			SCREEN INTERVAL:	
SAND PACK SIZE AND MATERIAL:			SAND PACK INTERVAL:	
GROUT TYPE:			BENTONITE SEAL INTERVAL:	
GROUT METHOD:			GROUT INTERVAL:	
DEVELOPMENT METHOD:			DEVELOPMENT TIME:	
STATIC WATER DEPTH:	DATE:		REF. POINT:	
ELEV. REFERENCE POINT:			REMARKS:	No well installation
WELL/BOREHOLE ABANDONMENT INFORMATION				
ABANDONMENT DATE: 11/18/19		ABANDONMENT METHOD: Backfill		
DESCRIPTIVE LOG				

SAMPLE INTERVAL	SAMPLE REC. (%)	BLOWS PER 6"	PID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
0-5' bg	75%	NA	3.0		-0- - -1- - -2- - -3- - -4- - -5-	Asphalt, brown coarse soil mixed with stones, clay and cobbles. No petroleum stains or odors.
5-10' bg	90%	NA	4.7		- -6- - -7- - -8- - -9- - -10-	Brown coarse sand, clay mixed with stones and boulders. No petroluem stains or odors.
10-15' bg	100%	NA	0.0		- -11- - -12- - -13- - -14- - -15-	Clay with mixed stones and cobbles. No petroleum stains or odors. End of boring.
					- -16- -	



BORING/WELL LOG

WALDEN ENVIRONMENTAL ENGINEERING				SHEET: 14 OF 20
BORING/WELL I.D.: SB-14			CLIENT:	iPark
DATE(S) DRILLED: 11/18/2019			PROJECT NAME:	Building 220 (310) Loading Docks Area
DRILL METHOD: Geoprobe			PROJECT NO.:	iPark0118.28
BORING DIAMETER: 3"			PROJECT LOCATION:	Fishkill, NY
SAMPLING METHOD/INTERVAL:				
LOGGED BY: EMJ			DRILLING CONTR.:	Lakewood Environmental
REMARKS:				
WELL CONSTRUCTION INFORMATION				
OUTER CASING SIZE AND MATERIAL:			OUTER CASING INTERVAL:	
INNER CASING SIZE AND MATERIAL:			INNER CASING INTERVAL:	
SCREEN SIZE AND MATERIAL:			SCREEN INTERVAL:	
SAND PACK SIZE AND MATERIAL:			SAND PACK INTERVAL:	
GROUT TYPE:			BENTONITE SEAL INTERVAL:	
GROUT METHOD:			GROUT INTERVAL:	
DEVELOPMENT METHOD:			DEVELOPMENT TIME:	
STATIC WATER DEPTH:	DATE:		REF. POINT:	
ELEV. REFERENCE POINT:			REMARKS:	No well installation
WELL/BOREHOLE ABANDONMENT INFORMATION				
ABANDONMENT DATE: 11/18/19			ABANDONMENT METHOD: Backfill	

DESCRIPTIVE LOG

SAMPLE INTERVAL	SAMPLE REC. (%)	BLOWS PER 6"	PID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
0-5' bg	90%	NA	0.1		-0- - -1- - -2- - -3- - -4- - -5-	Brown coarse soil mixed with stones, cobbles and clay. No petroleum stains or odors.
5-10' bg	70%	NA	0.0		- -6- - -7- - -8- - -9- - -10-	Clay mixed with stones and boulders. No petroluem stains or odors. End of boring.
					- -11- - -12- - -13- - -14- - -15- - -16- -	

Fill
Sand/gravel
Clay
Silty sand/clay

BORING/WELL LOG

WALDEN ENVIRONMENTAL ENGINEERING				SHEET: 15 OF 20
BORING/WELL I.D.: SB-15			CLIENT:	iPark
DATE(S) DRILLED: 11/18/2019			PROJECT NAME:	Building 220 (310) Loading Docks Area
DRILL METHOD: Geoprobe			PROJECT NO.:	iPark0118.28
BORING DIAMETER: 3"			PROJECT LOCATION:	Fishkill, NY
SAMPLING METHOD/INTERVAL:				
LOGGED BY: EMJ			DRILLING CONTR.:	Lakewood Environmental
REMARKS:				
WELL CONSTRUCTION INFORMATION				
OUTER CASING SIZE AND MATERIAL:			OUTER CASING INTERVAL:	
INNER CASING SIZE AND MATERIAL:			INNER CASING INTERVAL:	
SCREEN SIZE AND MATERIAL:			SCREEN INTERVAL:	
SAND PACK SIZE AND MATERIAL:			SAND PACK INTERVAL:	
GROUT TYPE:			BENTONITE SEAL INTERVAL:	
GROUT METHOD:			GROUT INTERVAL:	
DEVELOPMENT METHOD:			DEVELOPMENT TIME:	
STATIC WATER DEPTH:	DATE:		REF. POINT:	
ELEV. REFERENCE POINT:			REMARKS:	No well installation
WELL/BOREHOLE ABANDONMENT INFORMATION				
ABANDONMENT DATE: 11/18/19			ABANDONMENT METHOD: Backfill	

DESCRIPTIVE LOG

SAMPLE INTERVAL	SAMPLE REC. (%)	BLOWS PER 6"	PID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
0-5' bg	80%	NA	0.1		-0- -1- -2- -3- -4- -5-	Brown coarse soil mixed with stones, cobbles and clay. No petroleum stains or odors.
5-10' bg	85%	NA	0.0		-6- -7- -8- -9- -10-	Clay mixed with stones and boulders. No petroluem stains or odors. End of boring.
					-11- -12- -13- -14- -15- -16-	

Fill
Sand/gravel
Clay
Silty sand/clay

BORING/WELL LOG

WALDEN ENVIRONMENTAL ENGINEERING				SHEET: 16 OF 20
BORING/WELL I.D.: SB-16			CLIENT:	iPark
DATE(S) DRILLED: 11/18/2019			PROJECT NAME:	Building 220 (310) Loading Docks Area
DRILL METHOD: Geoprobe			PROJECT NO.:	iPark0118.28
BORING DIAMETER: 3"			PROJECT LOCATION:	Fishkill, NY
SAMPLING METHOD/INTERVAL:				
LOGGED BY: EMJ			DRILLING CONTR.:	Lakewood Environmental
REMARKS:				
WELL CONSTRUCTION INFORMATION				
OUTER CASING SIZE AND MATERIAL:			OUTER CASING INTERVAL:	
INNER CASING SIZE AND MATERIAL:			INNER CASING INTERVAL:	
SCREEN SIZE AND MATERIAL:			SCREEN INTERVAL:	
SAND PACK SIZE AND MATERIAL:			SAND PACK INTERVAL:	
GROUT TYPE:			BENTONITE SEAL INTERVAL:	
GROUT METHOD:			GROUT INTERVAL:	
DEVELOPMENT METHOD:			DEVELOPMENT TIME:	
STATIC WATER DEPTH:	DATE:		REF. POINT:	
ELEV. REFERENCE POINT:			REMARKS:	No well installation
WELL/BOREHOLE ABANDONMENT INFORMATION				
ABANDONMENT DATE: 11/18/19			ABANDONMENT METHOD: Backfill	

DESCRIPTIVE LOG

SAMPLE INTERVAL	SAMPLE REC. (%)	BLOWS PER 6"	PID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
0-5' bg	90%	NA	5.2		-0- -1- -2- -3- -4- -5-	Brown coarse soil mixed with stones, cobbles and clay. No petroleum stains or odors.
5-10' bg	80%	NA	0.0		-6- -7- -8- -9- -10-	Clay mixed with stones and boulders. No petroluem stains or odors. End of boring.
					-11- -12- -13- -14- -15- -16-	

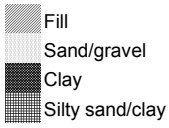
Fill
Sand/gravel
Clay
Silty sand/clay

BORING/WELL LOG

WALDEN ENVIRONMENTAL ENGINEERING				SHEET: 17 OF 20
BORING/WELL I.D.: SB-17			CLIENT:	iPark
DATE(S) DRILLED: 11/18/2019			PROJECT NAME:	Building 220 (310) Loading Docks Area
DRILL METHOD: Geoprobe			PROJECT NO.:	iPark0118.28
BORING DIAMETER: 3"			PROJECT LOCATION:	Fishkill, NY
SAMPLING METHOD/INTERVAL:				
LOGGED BY: EMJ			DRILLING CONTR.:	Lakewood Environmental
REMARKS:				
WELL CONSTRUCTION INFORMATION				
OUTER CASING SIZE AND MATERIAL:			OUTER CASING INTERVAL:	
INNER CASING SIZE AND MATERIAL:			INNER CASING INTERVAL:	
SCREEN SIZE AND MATERIAL:			SCREEN INTERVAL:	
SAND PACK SIZE AND MATERIAL:			SAND PACK INTERVAL:	
GROUT TYPE:			BENTONITE SEAL INTERVAL:	
GROUT METHOD:			GROUT INTERVAL:	
DEVELOPMENT METHOD:			DEVELOPMENT TIME:	
STATIC WATER DEPTH:	DATE:		REF. POINT:	
ELEV. REFERENCE POINT:			REMARKS:	No well installation
WELL/BOREHOLE ABANDONMENT INFORMATION				
ABANDONMENT DATE: 11/18/19			ABANDONMENT METHOD: Backfill	

DESCRIPTIVE LOG

SAMPLE INTERVAL	SAMPLE REC. (%)	BLOWS PER 6"	PID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
0-5' bg	75%	NA	0.0		-0- - -1- - -2- - -3- - -4- - -5-	Brown coarse soil mixed with stones, cobbles and clay. No petroleum stains or odors.
5-10' bg	80%	NA	0.0		- -6- - -7- - -8- - -9- - -10-	Clay mixed with stones and boulders. No petroluem stains or odors. End of boring.
					- -11- - -12- - -13- - -14- - -15- - -16- -	



BORING/WELL LOG

WALDEN ENVIRONMENTAL ENGINEERING				SHEET: 18 OF 20
BORING/WELL I.D.: SB-18			CLIENT:	iPark
DATE(S) DRILLED: 11/18/2019			PROJECT NAME:	Building 220 (310) Loading Docks Area
DRILL METHOD: Geoprobe			PROJECT NO.:	iPark0118.28
BORING DIAMETER: 3"			PROJECT LOCATION:	Fishkill, NY
SAMPLING METHOD/INTERVAL:				
LOGGED BY: EMJ			DRILLING CONTR.:	Lakewood Environmental
REMARKS:				
WELL CONSTRUCTION INFORMATION				
OUTER CASING SIZE AND MATERIAL:			OUTER CASING INTERVAL:	
INNER CASING SIZE AND MATERIAL:			INNER CASING INTERVAL:	
SCREEN SIZE AND MATERIAL:			SCREEN INTERVAL:	
SAND PACK SIZE AND MATERIAL:			SAND PACK INTERVAL:	
GROUT TYPE:			BENTONITE SEAL INTERVAL:	
GROUT METHOD:			GROUT INTERVAL:	
DEVELOPMENT METHOD:			DEVELOPMENT TIME:	
STATIC WATER DEPTH:	DATE:		REF. POINT:	
ELEV. REFERENCE POINT:			REMARKS:	No well installation
WELL/BOREHOLE ABANDONMENT INFORMATION				
ABANDONMENT DATE: 11/18/19		ABANDONMENT METHOD: Backfill		
DESCRIPTIVE LOG				

SAMPLE INTERVAL	SAMPLE REC. (%)	BLOWS PER 6"	PID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
0-5' bg	90%	NA	0.0		-0- - -1- - -2- - -3- - -4- - -5-	Brown coarse soil mixed with stones, cobbles and clay. No petroleum stains or odors.
5-10' bg	85%	NA	0.0		- -6- - -7- - -8- - -9- - -10-	Clay mixed with stones and boulders. No petroluem stains or odors. End of boring.
					- -11- - -12- - -13- - -14- - -15- - -16- -	

Fill
Sand/gravel
Clay
Silty sand/clay

BORING/WELL LOG

WALDEN ENVIRONMENTAL ENGINEERING				SHEET: 19 OF 20
BORING/WELL I.D.: SB-19			CLIENT:	iPark
DATE(S) DRILLED: 11/18/2019			PROJECT NAME:	Building 220 (310) Loading Docks Area
DRILL METHOD: Geoprobe			PROJECT NO.:	iPark0118.28
BORING DIAMETER: 3"			PROJECT LOCATION:	Fishkill, NY
SAMPLING METHOD/INTERVAL:				
LOGGED BY: EMJ			DRILLING CONTR.:	Lakewood Environmental
REMARKS:				
WELL CONSTRUCTION INFORMATION				
OUTER CASING SIZE AND MATERIAL:			OUTER CASING INTERVAL:	
INNER CASING SIZE AND MATERIAL:			INNER CASING INTERVAL:	
SCREEN SIZE AND MATERIAL:			SCREEN INTERVAL:	
SAND PACK SIZE AND MATERIAL:			SAND PACK INTERVAL:	
GROUT TYPE:			BENTONITE SEAL INTERVAL:	
GROUT METHOD:			GROUT INTERVAL:	
DEVELOPMENT METHOD:			DEVELOPMENT TIME:	
STATIC WATER DEPTH:	DATE:		REF. POINT:	
ELEV. REFERENCE POINT:			REMARKS:	No well installation
WELL/BOREHOLE ABANDONMENT INFORMATION				
ABANDONMENT DATE: 11/18/19			ABANDONMENT METHOD: Backfill	

DESCRIPTIVE LOG

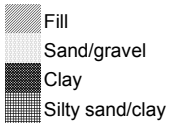
SAMPLE INTERVAL	SAMPLE REC. (%)	BLOWS PER 6"	PID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
0-5' bg	90%	NA	0.2		-0- -1- -2- -3- -4- -5-	Brown coarse soil mixed with stones, cobbles and clay. No petroleum stains or odors.
5-10' bg	90%	NA	0.0		-6- -7- -8- -9- -10-	Clay mixed with stones and boulders. No petroluem stains or odors. End of boring.
					-11- -12- -13- -14- -15- -16-	

Fill
Sand/gravel
Clay
Silty sand/clay

BORING/WELL LOG

WALDEN ENVIRONMENTAL ENGINEERING				SHEET: 20 OF 20
BORING/WELL I.D.: SB-20			CLIENT:	iPark
DATE(S) DRILLED: 11/18/2019			PROJECT NAME:	Building 220 (310) Loading Docks Area
DRILL METHOD: Geoprobe			PROJECT NO.:	iPark0118.28
BORING DIAMETER: 3"			PROJECT LOCATION:	Fishkill, NY
SAMPLING METHOD/INTERVAL:				
LOGGED BY: EMJ			DRILLING CONTR.:	Lakewood Environmental
REMARKS:				
WELL CONSTRUCTION INFORMATION				
OUTER CASING SIZE AND MATERIAL:			OUTER CASING INTERVAL:	
INNER CASING SIZE AND MATERIAL:			INNER CASING INTERVAL:	
SCREEN SIZE AND MATERIAL:			SCREEN INTERVAL:	
SAND PACK SIZE AND MATERIAL:			SAND PACK INTERVAL:	
GROUT TYPE:			BENTONITE SEAL INTERVAL:	
GROUT METHOD:			GROUT INTERVAL:	
DEVELOPMENT METHOD:			DEVELOPMENT TIME:	
STATIC WATER DEPTH:	DATE:		REF. POINT:	
ELEV. REFERENCE POINT:			REMARKS:	No well installation
WELL/BOREHOLE ABANDONMENT INFORMATION				
ABANDONMENT DATE: 11/18/19		ABANDONMENT METHOD: Backfill		
DESCRIPTIVE LOG				

SAMPLE INTERVAL	SAMPLE REC. (%)	BLOWS PER 6"	PID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
0-5' bg	80%	NA	0.2		-0- -1- -2- -3- -4- -5-	Brown coarse soil mixed with stones, cobbles and clay. No petroleum stains or odors.
5-10' bg	70%	NA	0.0		-6- -7- -8- -9- -10-	Clay mixed with stones and boulders. No petroluem stains or odors. End of boring.
					-11- -12- -13- -14- -15- -16-	



ATTACHMENT 5

CAMP MONITORING DATA

Dust Trak Upwind

Test 006

ERROR: FLOW,

Instrument		Data Properties	
Model	DustTrak II	Start Date	11/18/2019
Instrument S/N	8530173302	Start Time	09:12:36
		Stop Date	11/18/2019
		Stop Time	11:27:36
		Total Time	0:02:15:00
		Logging Interval	900 seconds

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	11/18/2019	09:27:36	0.012
2	11/18/2019	09:42:36	0.012
3	11/18/2019	09:57:36	0.013
4	11/18/2019	10:12:36	0.011
5	11/18/2019	10:27:36	0.011
6	11/18/2019	10:42:36	0.013
7	11/18/2019	10:57:36	0.014
8	11/18/2019	11:12:36	0.011
9	11/18/2019	11:27:36	0.010

PID Upwind

==========

19/11/18 08:44

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-903385
Unit Firmw	V2.16

Running M	Hygiene Mode
Datalog Mc	Auto
Diagnostic	No
Stop Reaso	Power Down

Site ID	RAE00000
User ID	1

Begin	11/18/2019 8:44
End	11/18/2019 12:43
Sample Per	900
Number of	11

Sensor	PID(ppm)
Sensor SN	S023030142V4
Measure T\	Avg
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	50
Measurem	Isobutylene
Calibration	11/18/2019 7:45
Peak	N/A
Min	N/A
Average	N/A

****

Datalog

Index	Date/Time	PID(ppm) (Avg)
1	11/18/2019 8:59	0.8
2	11/18/2019 9:14	0.4
3	11/18/2019 9:29	0.4
4	11/18/2019 9:44	0.8
5	11/18/2019 9:59	0.5
6	11/18/2019 10:14	0.6
7	11/18/2019 10:29	0.6
8	11/18/2019 10:44	0.6
9	11/18/2019 10:59	1
10	11/18/2019 11:14	0.5
11	11/18/2019 11:29	0.5
12	11/18/2019 11:51	0.5
13	11/18/2019 12:06	0.1
14	11/18/2019 12:28	0.0
15	11/18/2019 12:43	0.0
Peak		1
Min		0.4
Average		0.6

Dust Trak Downwind

Test 007

Instrument		Data Properties	
Model	DustTrak II	Start Date	11/18/2019
Instrument S/N	8530122512	Start Time	09:17:23
		Stop Date	11/18/2019
		Stop Time	14:47:23
		Total Time	0:05:30:00
		Logging Interval	900 seconds

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	11/18/2019	09:32:23	0.006
2	11/18/2019	09:47:23	0.006
3	11/18/2019	10:02:23	0.007
4	11/18/2019	10:17:23	0.007
5	11/18/2019	10:32:23	0.008
6	11/18/2019	10:47:23	0.008
7	11/18/2019	11:02:23	0.008
8	11/18/2019	11:17:23	0.007
9	11/18/2019	11:32:23	0.008
10	11/18/2019	11:47:23	0.007
11	11/18/2019	12:02:23	0.007
12	11/18/2019	12:17:23	0.008
13	11/18/2019	12:32:23	0.008
14	11/18/2019	12:47:23	0.009
15	11/18/2019	13:02:23	0.007
16	11/18/2019	13:17:23	0.010
17	11/18/2019	13:32:23	0.009
18	11/18/2019	13:47:23	0.007
19	11/18/2019	14:02:23	0.007
20	11/18/2019	14:17:23	0.007
21	11/18/2019	14:32:23	0.007
22	11/18/2019	14:47:23	0.006

PID Downwind

==========
19/11/18 08:49
****
Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-908676
Unit Firmw V2.16

Running M Hygiene Mode
Datalog Mc Auto
Diagnostic No
Stop Reaso Power Down

Site ID PES00003
User ID PES00000

Begin 11/18/2019 8:49
End 11/18/2019 13:40
Sample Per 900
Number of 19

Sensor PID(ppm)
Sensor SN S023030187VA
Measure T Avg
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 25
TWA Alarm 5
Measurem Isobutylene
Calibration 11/18/2019 8:10
Peak N/A
Min N/A
Average N/A

****
Datalog

Index	Date/Time	PID(ppm) (Avg)
1	11/18/2019 9:04	0.1
2	11/18/2019 9:19	0.2
3	11/18/2019 9:34	0.1
4	11/18/2019 9:49	0.2
5	11/18/2019 10:04	0.2
6	11/18/2019 10:19	0.2
7	11/18/2019 10:34	0.2
8	11/18/2019 10:49	0.2
9	11/18/2019 11:04	0.2
10	11/18/2019 11:19	0.2
11	11/18/2019 11:34	0.3
12	11/18/2019 11:49	0.4
13	11/18/2019 12:04	0.3
14	11/18/2019 12:19	0.3
15	11/18/2019 12:34	0.3
16	11/18/2019 12:49	0.3
17	11/18/2019 13:04	0.4
18	11/18/2019 13:19	0.3
19	11/18/2019 13:34	0.3
Peak		0.4
Min		0.1
Average		0.2

WALDEN ENVIRONMENTAL ENGINEERING

Walden Environmental Engineering, PLLC
16 Spring Street
Oyster Bay, New York 11771
P: (516) 624-7200 F: (516) 624-3219
www.walden-associates.com

Air Monitoring Daily Report

Project: **iPark0118.28**	Date: 11/18/19	Day of Week: Monday
Bldg 310 Loading Dock	Weather: Cloudy	Temperarture: 35°
Contractor: Lakewood	Contact:	Wind: N@ 6 mph
Site Address: **iPark 84 Building 310 Hopewell Junction, NY 12533**	Air Monitor's Name; Signature: KAW	

Description of Work in Detail

Time/Location	Equipment & Reading		Notes
Time: 9:15 Sta.1	PID: 0.3	DUST: 0.010	Began Drilling
do.or Sta. 2	PID: 0.4	DUST: 0.006	
Time: 9:30 Sta.1	PID: 0.5	DUST: 0.012	
Sta. 2	PID: 0.2	DUST: 0.010	
Time: 9.45 Sta.1	PID: 0.6	DUST: 0.013	
Sta. 2	PID: 0.2	DUST: 0.008	
Time: 10:00 Sta.1	PID: 0.3	DUST: 0.013	
Sta. 2	PID: 0.2	DUST: 0.008	
Time: 10:15 Sta.1	PID: 0.3	DUST: 0.010	
Sta. 2	PID: 0.2	DUST: 0.006	
Time: 10:30 Sta.1	PID: —	DUST: 0.007	Paused for sampling/screening
Sta. 2	PID: 0.2	DUST: 0.009	
Time: 10.45 Sta.1	PID: —	DUST: 0.009	Paused for sampling/screening
Sta. 2	PID: 0.2	DUST: 0.010	
Time: 11:15 Sta.1	PID: 0.0	DUST: 0.024	
Sta. 2	PID: 0.3	DUST: 0.007	
Time: 1130 Sta.1	PID: 0.0	DUST: 0.024	
Sta. 2	PID: 0.3	DUST: 0.029	
Time: 1200 Sta.1	PID: 0.1	DUST: 0.006	
Sta. 2	PID: 0.2	DUST: 0.008	
Time: 1230 Sta.1	PID: 0.0	DUST: 0.007	Began running
Sta. 2	PID: 0.3	DUST: 0.005	
Time: 1300 Sta.1	PID: 0.1	DUST: 0.009	
Sta. 2	PID: 0.3	DUST: 0.006	
Time: 330 Sta.1	PID: 0.0	DUST: 0.010	Drilling complete
Sta. 2	PID: 0.3	DUST: 0.007	
Time: 1400 Sta.1	PID: 0.1	DUST: 0.012	Background, shut down
Sta. 2	PID: 0.2	DUST: 0.009	
Time: Sta.1	PID:	DUST	
Sta. 2	PID:	DUST	

ATTACHMENT 6

LABORATORY ANALYTICAL REPORT

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

November 20, 2019

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:		11/18/19	13:20
Location Code:	WALDENE	Received by:	SW	11/19/19	16:42
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	IPARK0118.28				

Laboratory Data

SDG ID: GCE63471
Phoenix ID: CE63471

Project ID: I PARK 0118.28
Client ID: SB-4 (0-5)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Aluminum	12400	35	6.9	mg/Kg	10	11/20/19	EK	SW6010D
Antimony	ND	3.5	3.5	mg/Kg	1	11/20/19	EK	SW6010D
Arsenic	11.5	0.69	0.69	mg/Kg	1	11/20/19	EK	SW6010D
Barium	43.9	0.7	0.35	mg/Kg	1	11/20/19	EK	SW6010D
Beryllium	0.46	0.28	0.14	mg/Kg	1	11/20/19	EK	SW6010D
Calcium	23300	35	32	mg/Kg	10	11/20/19	EK	SW6010D
Cadmium	0.82	0.35	0.35	mg/Kg	1	11/20/19	EK	SW6010D
Chromium	18.3	0.35	0.35	mg/Kg	1	11/20/19	EK	SW6010D
Cobalt	9.74	0.35	0.35	mg/Kg	1	11/20/19	EK	SW6010D
Copper	25.2	0.7	0.35	mg/kg	1	11/20/19	EK	SW6010D
Iron	28400	35	35	mg/Kg	10	11/20/19	EK	SW6010D
Lead	26.2	0.7	0.35	mg/Kg	1	11/20/19	EK	SW6010D
Magnesium	18000	35	35	mg/Kg	10	11/20/19	EK	SW6010D
Manganese	1010	3.5	3.5	mg/Kg	10	11/20/19	EK	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	11/20/19	RS	SW7471B
Nickel	19.4	0.35	0.35	mg/Kg	1	11/20/19	EK	SW6010D
Potassium	1210	7	2.7	mg/Kg	1	11/20/19	EK	SW6010D
Selenium	ND	1.4	1.2	mg/Kg	1	11/20/19	EK	SW6010D
Silver	ND	0.35	0.35	mg/Kg	1	11/20/19	EK	SW6010D
Sodium	247	7	3.0	mg/Kg	1	11/20/19	EK	SW6010D
Thallium	ND	1.4	1.4	mg/Kg	1	11/20/19	EK	SW6010D
Vanadium	15.4	0.35	0.35	mg/Kg	1	11/20/19	EK	SW6010D
Zinc	57.8	0.7	0.35	mg/Kg	1	11/20/19	EK	SW6010D
Percent Solid	90			%		11/19/19	VT	SW846-%Solid
Soil Extraction for PCB	Completed					11/19/19	MM/LE	SW3545A
Soil Extraction for Pesticides	Completed					11/19/19	MM/LE	SW3545A
Soil Extraction for SVOA	Completed					11/19/19	BB/LE	SW3545A
Mercury Digestion	Completed					11/20/19	LS/LS	SW7471B

Project ID: I PARK 0118.28
Client ID: SB-4 (0-5)

Phoenix I.D.: CE63471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Soil Extraction for Herbicide	Completed					11/19/19	J/D	SW8151A
Total Metals Digest	Completed					11/19/19	B/AG/BF	SW3050B
Chlorinated Herbicides								
2,4,5-T	ND	91	91	ug/Kg	10	11/20/19	JRB	SW8151A
2,4,5-TP (Silvex)	ND	91	91	ug/Kg	10	11/20/19	JRB	SW8151A
2,4-D	ND	180	180	ug/Kg	10	11/20/19	JRB	SW8151A
2,4-DB	ND	1800	1800	ug/Kg	10	11/20/19	JRB	SW8151A
Dalapon	ND	91	91	ug/Kg	10	11/20/19	JRB	SW8151A
Dicamba	ND	91	91	ug/Kg	10	11/20/19	JRB	SW8151A
Dichloroprop	ND	180	180	ug/Kg	10	11/20/19	JRB	SW8151A
Dinoseb	ND	180	180	ug/Kg	10	11/20/19	JRB	SW8151A
QA/QC Surrogates								
% DCAA	69			%	10	11/20/19	JRB	30 - 150 %
% DCAA (Confirmation)	70			%	10	11/20/19	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	73	73	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1221	ND	73	73	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1232	ND	73	73	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1242	ND	73	73	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1248	ND	73	73	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1254	ND	73	73	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1260	ND	73	73	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1262	ND	73	73	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1268	ND	73	73	ug/Kg	2	11/20/19	SC	SW8082A
QA/QC Surrogates								
% DCBP	99			%	2	11/20/19	SC	30 - 150 %
% DCBP (Confirmation)	105			%	2	11/20/19	SC	30 - 150 %
% TCMX	98			%	2	11/20/19	SC	30 - 150 %
% TCMX (Confirmation)	97			%	2	11/20/19	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.2	2.2	ug/Kg	2	11/20/19	AW	SW8081B
4,4' -DDE	4.9	2.2	2.2	ug/Kg	2	11/20/19	AW	SW8081B
4,4' -DDT	ND	2.2	2.2	ug/Kg	2	11/20/19	AW	SW8081B
a-BHC	ND	7.3	7.3	ug/Kg	2	11/20/19	AW	SW8081B
a-Chlordane	ND	3.7	3.7	ug/Kg	2	11/20/19	AW	SW8081B
Aldrin	ND	3.7	3.7	ug/Kg	2	11/20/19	AW	SW8081B
b-BHC	ND	7.3	7.3	ug/Kg	2	11/20/19	AW	SW8081B
Chlordane	ND	37	37	ug/Kg	2	11/20/19	AW	SW8081B
d-BHC	ND	7.3	7.3	ug/Kg	2	11/20/19	AW	SW8081B
Dieldrin	ND	3.7	3.7	ug/Kg	2	11/20/19	AW	SW8081B
Endosulfan I	ND	7.3	7.3	ug/Kg	2	11/20/19	AW	SW8081B
Endosulfan II	ND	7.3	7.3	ug/Kg	2	11/20/19	AW	SW8081B
Endosulfan sulfate	ND	7.3	7.3	ug/Kg	2	11/20/19	AW	SW8081B
Endrin	ND	7.3	7.3	ug/Kg	2	11/20/19	AW	SW8081B
Endrin aldehyde	ND	7.3	7.3	ug/Kg	2	11/20/19	AW	SW8081B
Endrin ketone	ND	7.3	7.3	ug/Kg	2	11/20/19	AW	SW8081B
g-BHC	ND	1.5	1.5	ug/Kg	2	11/20/19	AW	SW8081B

Project ID: I PARK 0118.28
Client ID: SB-4 (0-5)

Phoenix I.D.: CE63471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
g-Chlordane	ND	3.7	3.7	ug/Kg	2	11/20/19	AW	SW8081B	
Heptachlor	ND	7.3	7.3	ug/Kg	2	11/20/19	AW	SW8081B	
Heptachlor epoxide	ND	7.3	7.3	ug/Kg	2	11/20/19	AW	SW8081B	
Methoxychlor	ND	37	37	ug/Kg	2	11/20/19	AW	SW8081B	
Toxaphene	ND	150	150	ug/Kg	2	11/20/19	AW	SW8081B	
QA/QC Surrogates									
% DCBP	83			%	2	11/20/19	AW	30 - 150 %	
% DCBP (Confirmation)	87			%	2	11/20/19	AW	30 - 150 %	
% TCMX	72			%	2	11/20/19	AW	30 - 150 %	
% TCMX (Confirmation)	73			%	2	11/20/19	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	5.9	1.2	ug/Kg	1	11/19/19	JLI	SW8260C	
1,1,1-Trichloroethane	ND	5.9	0.59	ug/Kg	1	11/19/19	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.9	1.2	ug/Kg	1	11/19/19	JLI	SW8260C	
1,1,2-Trichloroethane	ND	5.9	1.2	ug/Kg	1	11/19/19	JLI	SW8260C	
1,1-Dichloroethane	ND	5.9	1.2	ug/Kg	1	11/19/19	JLI	SW8260C	
1,1-Dichloroethene	ND	5.9	0.59	ug/Kg	1	11/19/19	JLI	SW8260C	
1,1-Dichloropropene	ND	5.9	0.59	ug/Kg	1	11/19/19	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	5.9	1.2	ug/Kg	1	11/19/19	JLI	SW8260C	
1,2,3-Trichloropropane	ND	5.9	0.59	ug/Kg	1	11/19/19	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	5.9	1.2	ug/Kg	1	11/19/19	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	5.9	0.59	ug/Kg	1	11/19/19	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	5.9	1.2	ug/Kg	1	11/19/19	JLI	SW8260C	
1,2-Dibromoethane	ND	5.9	0.59	ug/Kg	1	11/19/19	JLI	SW8260C	
1,2-Dichlorobenzene	ND	5.9	0.59	ug/Kg	1	11/19/19	JLI	SW8260C	
1,2-Dichloroethane	ND	5.9	0.59	ug/Kg	1	11/19/19	JLI	SW8260C	
1,2-Dichloropropane	ND	5.9	1.2	ug/Kg	1	11/19/19	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	5.9	0.59	ug/Kg	1	11/19/19	JLI	SW8260C	
1,3-Dichlorobenzene	ND	5.9	0.59	ug/Kg	1	11/19/19	JLI	SW8260C	
1,3-Dichloropropane	ND	5.9	1.2	ug/Kg	1	11/19/19	JLI	SW8260C	
1,4-Dichlorobenzene	ND	5.9	0.59	ug/Kg	1	11/19/19	JLI	SW8260C	
2,2-Dichloropropane	ND	5.9	0.59	ug/Kg	1	11/19/19	JLI	SW8260C	
2-Chlorotoluene	ND	5.9	1.2	ug/Kg	1	11/19/19	JLI	SW8260C	
2-Hexanone	ND	29	5.9	ug/Kg	1	11/19/19	JLI	SW8260C	
2-Isopropyltoluene	ND	5.9	0.59	ug/Kg	1	11/19/19	JLI	SW8260C	1
4-Chlorotoluene	ND	5.9	0.59	ug/Kg	1	11/19/19	JLI	SW8260C	
4-Methyl-2-pentanone	ND	29	5.9	ug/Kg	1	11/19/19	JLI	SW8260C	
Acetone	ND	29	5.9	ug/Kg	1	11/19/19	JLI	SW8260C	
Acrylonitrile	ND	12	1.2	ug/Kg	1	11/19/19	JLI	SW8260C	
Benzene	ND	5.9	0.59	ug/Kg	1	11/19/19	JLI	SW8260C	
Bromobenzene	ND	5.9	0.59	ug/Kg	1	11/19/19	JLI	SW8260C	
Bromochloromethane	ND	5.9	0.59	ug/Kg	1	11/19/19	JLI	SW8260C	
Bromodichloromethane	ND	5.9	1.2	ug/Kg	1	11/19/19	JLI	SW8260C	
Bromoform	ND	5.9	1.2	ug/Kg	1	11/19/19	JLI	SW8260C	
Bromomethane	ND	5.9	2.4	ug/Kg	1	11/19/19	JLI	SW8260C	
Carbon Disulfide	ND	5.9	1.2	ug/Kg	1	11/19/19	JLI	SW8260C	
Carbon tetrachloride	ND	5.9	1.2	ug/Kg	1	11/19/19	JLI	SW8260C	
Chlorobenzene	ND	5.9	0.59	ug/Kg	1	11/19/19	JLI	SW8260C	
Chloroethane	ND	5.9	0.59	ug/Kg	1	11/19/19	JLI	SW8260C	

Project ID: I PARK 0118.28
Client ID: SB-4 (0-5)

Phoenix I.D.: CE63471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Chloroform	ND	5.9	0.59	ug/Kg	1	11/19/19	JLI	SW8260C	
Chloromethane	ND	5.9	1.2	ug/Kg	1	11/19/19	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	5.9	0.59	ug/Kg	1	11/19/19	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	5.9	0.59	ug/Kg	1	11/19/19	JLI	SW8260C	
Dibromochloromethane	ND	5.9	1.2	ug/Kg	1	11/19/19	JLI	SW8260C	
Dibromomethane	ND	5.9	1.2	ug/Kg	1	11/19/19	JLI	SW8260C	
Dichlorodifluoromethane	ND	5.9	0.59	ug/Kg	1	11/19/19	JLI	SW8260C	
Ethylbenzene	ND	5.9	0.59	ug/Kg	1	11/19/19	JLI	SW8260C	
Hexachlorobutadiene	ND	5.9	0.59	ug/Kg	1	11/19/19	JLI	SW8260C	
Isopropylbenzene	ND	5.9	0.59	ug/Kg	1	11/19/19	JLI	SW8260C	
m&p-Xylene	ND	5.9	1.2	ug/Kg	1	11/19/19	JLI	SW8260C	
Methyl Ethyl Ketone	ND	35	5.9	ug/Kg	1	11/19/19	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	12	1.2	ug/Kg	1	11/19/19	JLI	SW8260C	
Methylene chloride	ND	5.9	5.9	ug/Kg	1	11/19/19	JLI	SW8260C	
Naphthalene	ND	5.9	1.2	ug/Kg	1	11/19/19	JLI	SW8260C	
n-Butylbenzene	ND	5.9	0.59	ug/Kg	1	11/19/19	JLI	SW8260C	
n-Propylbenzene	ND	5.9	1.2	ug/Kg	1	11/19/19	JLI	SW8260C	
o-Xylene	ND	5.9	1.2	ug/Kg	1	11/19/19	JLI	SW8260C	
p-Isopropyltoluene	ND	5.9	0.59	ug/Kg	1	11/19/19	JLI	SW8260C	
sec-Butylbenzene	ND	5.9	0.59	ug/Kg	1	11/19/19	JLI	SW8260C	
Styrene	ND	5.9	0.59	ug/Kg	1	11/19/19	JLI	SW8260C	
tert-Butylbenzene	ND	5.9	0.59	ug/Kg	1	11/19/19	JLI	SW8260C	
Tetrachloroethene	ND	5.9	1.2	ug/Kg	1	11/19/19	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	12	2.9	ug/Kg	1	11/19/19	JLI	SW8260C	1
Toluene	ND	5.9	0.59	ug/Kg	1	11/19/19	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	5.9	0.59	ug/Kg	1	11/19/19	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	5.9	0.59	ug/Kg	1	11/19/19	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	12	2.9	ug/Kg	1	11/19/19	JLI	SW8260C	
Trichloroethene	ND	5.9	0.59	ug/Kg	1	11/19/19	JLI	SW8260C	
Trichlorofluoromethane	ND	5.9	1.2	ug/Kg	1	11/19/19	JLI	SW8260C	
Trichlorotrifluoroethane	ND	5.9	0.59	ug/Kg	1	11/19/19	JLI	SW8260C	
Vinyl chloride	ND	5.9	0.59	ug/Kg	1	11/19/19	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	101			%	1	11/19/19	JLI	70 - 130 %	
% Bromofluorobenzene	95			%	1	11/19/19	JLI	70 - 130 %	
% Dibromofluoromethane	101			%	1	11/19/19	JLI	70 - 130 %	
% Toluene-d8	98			%	1	11/19/19	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	11/20/19	WB	SW8270D	
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	1	11/20/19	WB	SW8270D	
1,2-Dichlorobenzene	ND	260	100	ug/Kg	1	11/20/19	WB	SW8270D	
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	1	11/20/19	WB	SW8270D	
1,3-Dichlorobenzene	ND	260	110	ug/Kg	1	11/20/19	WB	SW8270D	
1,4-Dichlorobenzene	ND	260	110	ug/Kg	1	11/20/19	WB	SW8270D	
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	1	11/20/19	WB	SW8270D	
2,4,6-Trichlorophenol	ND	180	120	ug/Kg	1	11/20/19	WB	SW8270D	
2,4-Dichlorophenol	ND	180	130	ug/Kg	1	11/20/19	WB	SW8270D	
2,4-Dimethylphenol	ND	260	92	ug/Kg	1	11/20/19	WB	SW8270D	
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	11/20/19	WB	SW8270D	

Project ID: I PARK 0118.28
Client ID: SB-4 (0-5)

Phoenix I.D.: CE63471

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dinitrotoluene	ND		180	150	ug/Kg	1	11/20/19	WB	SW8270D	
2,6-Dinitrotoluene	ND		180	120	ug/Kg	1	11/20/19	WB	SW8270D	
2-Chloronaphthalene	ND		260	110	ug/Kg	1	11/20/19	WB	SW8270D	
2-Chlorophenol	ND		260	110	ug/Kg	1	11/20/19	WB	SW8270D	
2-Methylnaphthalene	ND		260	110	ug/Kg	1	11/20/19	WB	SW8270D	
2-Methylphenol (o-cresol)	ND		260	170	ug/Kg	1	11/20/19	WB	SW8270D	
2-Nitroaniline	ND		260	260	ug/Kg	1	11/20/19	WB	SW8270D	
2-Nitrophenol	ND		260	230	ug/Kg	1	11/20/19	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		260	150	ug/Kg	1	11/20/19	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND		180	170	ug/Kg	1	11/20/19	WB	SW8270D	
3-Nitroaniline	ND		370	740	ug/Kg	1	11/20/19	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND		220	74	ug/Kg	1	11/20/19	WB	SW8270D	
4-Bromophenyl phenyl ether	ND		260	110	ug/Kg	1	11/20/19	WB	SW8270D	
4-Chloro-3-methylphenol	ND		260	130	ug/Kg	1	11/20/19	WB	SW8270D	
4-Chloroaniline	ND		300	170	ug/Kg	1	11/20/19	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND		260	120	ug/Kg	1	11/20/19	WB	SW8270D	
4-Nitroaniline	ND		370	120	ug/Kg	1	11/20/19	WB	SW8270D	
4-Nitrophenol	ND		370	170	ug/Kg	1	11/20/19	WB	SW8270D	
Acenaphthene	ND		260	110	ug/Kg	1	11/20/19	WB	SW8270D	
Acenaphthylene	ND		260	100	ug/Kg	1	11/20/19	WB	SW8270D	
Acetophenone	ND		260	120	ug/Kg	1	11/20/19	WB	SW8270D	
Aniline	ND		300	300	ug/Kg	1	11/20/19	WB	SW8270D	
Anthracene	ND		260	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benz(a)anthracene	190	J	260	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benzidine	ND		370	220	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(a)pyrene	190		180	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(b)fluoranthene	150	J	260	130	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(ghi)perylene	130	J	260	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(k)fluoranthene	160	J	260	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benzoic acid	ND		1800	740	ug/Kg	1	11/20/19	WB	SW8270D	
Benzyl butyl phthalate	ND		260	95	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-chloroethyl)ether	ND		180	100	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND		260	100	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND		260	110	ug/Kg	1	11/20/19	WB	SW8270D	
Carbazole	ND		180	150	ug/Kg	1	11/20/19	WB	SW8270D	
Chrysene	210	J	260	120	ug/Kg	1	11/20/19	WB	SW8270D	
Dibenz(a,h)anthracene	ND		180	120	ug/Kg	1	11/20/19	WB	SW8270D	
Dibenzofuran	ND		260	110	ug/Kg	1	11/20/19	WB	SW8270D	
Diethyl phthalate	ND		260	120	ug/Kg	1	11/20/19	WB	SW8270D	
Dimethylphthalate	ND		260	110	ug/Kg	1	11/20/19	WB	SW8270D	
Di-n-butylphthalate	ND		260	98	ug/Kg	1	11/20/19	WB	SW8270D	
Di-n-octylphthalate	ND		260	95	ug/Kg	1	11/20/19	WB	SW8270D	
Fluoranthene	460		260	120	ug/Kg	1	11/20/19	WB	SW8270D	
Fluorene	ND		260	120	ug/Kg	1	11/20/19	WB	SW8270D	
Hexachlorobenzene	ND		180	110	ug/Kg	1	11/20/19	WB	SW8270D	
Hexachlorobutadiene	ND		260	130	ug/Kg	1	11/20/19	WB	SW8270D	
Hexachlorocyclopentadiene	ND		260	110	ug/Kg	1	11/20/19	WB	SW8270D	
Hexachloroethane	ND		180	110	ug/Kg	1	11/20/19	WB	SW8270D	

Project ID: I PARK 0118.28
Client ID: SB-4 (0-5)

Phoenix I.D.: CE63471

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Indeno(1,2,3-cd)pyrene	140	J	260	120	ug/Kg	1	11/20/19	WB	SW8270D	
Isophorone	ND		180	100	ug/Kg	1	11/20/19	WB	SW8270D	
Naphthalene	ND		260	110	ug/Kg	1	11/20/19	WB	SW8270D	
Nitrobenzene	ND		180	130	ug/Kg	1	11/20/19	WB	SW8270D	
N-Nitrosodimethylamine	ND		260	100	ug/Kg	1	11/20/19	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND		180	120	ug/Kg	1	11/20/19	WB	SW8270D	
N-Nitrosodiphenylamine	ND		260	140	ug/Kg	1	11/20/19	WB	SW8270D	
Pentachloronitrobenzene	ND		260	140	ug/Kg	1	11/20/19	WB	SW8270D	
Pentachlorophenol	ND		220	140	ug/Kg	1	11/20/19	WB	SW8270D	
Phenanthrene	190	J	260	110	ug/Kg	1	11/20/19	WB	SW8270D	
Phenol	ND		260	120	ug/Kg	1	11/20/19	WB	SW8270D	
Pyrene	360		260	130	ug/Kg	1	11/20/19	WB	SW8270D	
Pyridine	ND		260	91	ug/Kg	1	11/20/19	WB	SW8270D	
QA/QC Surrogates										
% 2,4,6-Tribromophenol	67				%	1	11/20/19	WB	30 - 130 %	
% 2-Fluorobiphenyl	59				%	1	11/20/19	WB	30 - 130 %	
% 2-Fluorophenol	49				%	1	11/20/19	WB	30 - 130 %	
% Nitrobenzene-d5	56				%	1	11/20/19	WB	30 - 130 %	
% Phenol-d5	53				%	1	11/20/19	WB	30 - 130 %	
% Terphenyl-d14	59				%	1	11/20/19	WB	30 - 130 %	
Field Extraction	Completed						11/18/19		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 BRL=Below Reporting Level L=Biased Low J=Estimated Below RL 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.

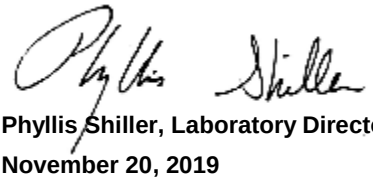
Comments:

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
November 20, 2019
Official Report Release To Follow

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 20, 2019

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:		11/18/19	13:20
Location Code:	WALDENE	Received by:	SW	11/19/19	16:42
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	IPARK0118.28				

Laboratory Data

SDG ID: GCE63471
Phoenix ID: CE63472

Project ID: I PARK 0118.28
Client ID: SB-4 (5-10)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Aluminum	8480	33	6.7	mg/Kg	10	11/20/19	EK	SW6010D
Antimony	ND	3.3	3.3	mg/Kg	1	11/20/19	EK	SW6010D
Arsenic	3.89	0.67	0.67	mg/Kg	1	11/20/19	EK	SW6010D
Barium	33.0	0.7	0.33	mg/Kg	1	11/20/19	EK	SW6010D
Beryllium	0.32	0.27	0.13	mg/Kg	1	11/20/19	EK	SW6010D
Calcium	52800	33	31	mg/Kg	10	11/20/19	EK	SW6010D
Cadmium	0.59	0.33	0.33	mg/Kg	1	11/20/19	EK	SW6010D
Chromium	9.41	0.33	0.33	mg/Kg	1	11/20/19	EK	SW6010D
Cobalt	7.01	0.33	0.33	mg/Kg	1	11/20/19	EK	SW6010D
Copper	18.0	0.7	0.33	mg/kg	1	11/20/19	EK	SW6010D
Iron	18900	33	33	mg/Kg	10	11/20/19	EK	SW6010D
Lead	7.8	0.7	0.33	mg/Kg	1	11/20/19	EK	SW6010D
Magnesium	31000	33	33	mg/Kg	10	11/20/19	EK	SW6010D
Manganese	435	3.3	3.3	mg/Kg	10	11/20/19	EK	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	11/20/19	RS	SW7471B
Nickel	14.7	0.33	0.33	mg/Kg	1	11/20/19	EK	SW6010D
Potassium	1180	7	2.6	mg/Kg	1	11/20/19	EK	SW6010D
Selenium	ND	1.3	1.1	mg/Kg	1	11/20/19	EK	SW6010D
Silver	ND	0.33	0.33	mg/Kg	1	11/20/19	EK	SW6010D
Sodium	272	7	2.9	mg/Kg	1	11/20/19	EK	SW6010D
Thallium	ND	1.3	1.3	mg/Kg	1	11/20/19	EK	SW6010D
Vanadium	10.8	0.33	0.33	mg/Kg	1	11/20/19	EK	SW6010D
Zinc	43.5	0.7	0.33	mg/Kg	1	11/20/19	EK	SW6010D
Percent Solid	89			%		11/19/19	VT	SW846-%Solid
Soil Extraction for PCB	Completed					11/19/19	MM/LE	SW3545A
Soil Extraction for Pesticides	Completed					11/19/19	MM/LE	SW3545A
Soil Extraction for SVOA	Completed					11/19/19	BB/LE	SW3545A
Mercury Digestion	Completed					11/20/19	LS/LS	SW7471B

Project ID: I PARK 0118.28
Client ID: SB-4 (5-10)

Phoenix I.D.: CE63472

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Soil Extraction for Herbicide	Completed					11/19/19	J/D	SW8151A
Total Metals Digest	Completed					11/19/19	B/AG/BF	SW3050B
Chlorinated Herbicides								
2,4,5-T	ND	93	93	ug/Kg	10	11/20/19	JRB	SW8151A
2,4,5-TP (Silvex)	ND	93	93	ug/Kg	10	11/20/19	JRB	SW8151A
2,4-D	ND	190	190	ug/Kg	10	11/20/19	JRB	SW8151A
2,4-DB	ND	1900	1900	ug/Kg	10	11/20/19	JRB	SW8151A
Dalapon	ND	93	93	ug/Kg	10	11/20/19	JRB	SW8151A
Dicamba	ND	93	93	ug/Kg	10	11/20/19	JRB	SW8151A
Dichloroprop	ND	190	190	ug/Kg	10	11/20/19	JRB	SW8151A
Dinoseb	ND	190	190	ug/Kg	10	11/20/19	JRB	SW8151A
QA/QC Surrogates								
% DCAA	65			%	10	11/20/19	JRB	30 - 150 %
% DCAA (Confirmation)	66			%	10	11/20/19	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	74	74	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1221	ND	74	74	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1232	ND	74	74	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1242	ND	74	74	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1248	ND	74	74	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1254	ND	74	74	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1260	ND	74	74	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1262	ND	74	74	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1268	ND	74	74	ug/Kg	2	11/20/19	SC	SW8082A
QA/QC Surrogates								
% DCBP	96			%	2	11/20/19	SC	30 - 150 %
% DCBP (Confirmation)	95			%	2	11/20/19	SC	30 - 150 %
% TCMX	89			%	2	11/20/19	SC	30 - 150 %
% TCMX (Confirmation)	89			%	2	11/20/19	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.2	2.2	ug/Kg	2	11/20/19	AW	SW8081B
4,4' -DDE	ND	2.2	2.2	ug/Kg	2	11/20/19	AW	SW8081B
4,4' -DDT	ND	2.2	2.2	ug/Kg	2	11/20/19	AW	SW8081B
a-BHC	ND	7.4	7.4	ug/Kg	2	11/20/19	AW	SW8081B
a-Chlordane	ND	3.7	3.7	ug/Kg	2	11/20/19	AW	SW8081B
Aldrin	ND	3.7	3.7	ug/Kg	2	11/20/19	AW	SW8081B
b-BHC	ND	7.4	7.4	ug/Kg	2	11/20/19	AW	SW8081B
Chlordane	ND	37	37	ug/Kg	2	11/20/19	AW	SW8081B
d-BHC	ND	7.4	7.4	ug/Kg	2	11/20/19	AW	SW8081B
Dieldrin	ND	3.7	3.7	ug/Kg	2	11/20/19	AW	SW8081B
Endosulfan I	ND	7.4	7.4	ug/Kg	2	11/20/19	AW	SW8081B
Endosulfan II	ND	7.4	7.4	ug/Kg	2	11/20/19	AW	SW8081B
Endosulfan sulfate	ND	7.4	7.4	ug/Kg	2	11/20/19	AW	SW8081B
Endrin	ND	7.4	7.4	ug/Kg	2	11/20/19	AW	SW8081B
Endrin aldehyde	ND	7.4	7.4	ug/Kg	2	11/20/19	AW	SW8081B
Endrin ketone	ND	7.4	7.4	ug/Kg	2	11/20/19	AW	SW8081B
g-BHC	ND	1.5	1.5	ug/Kg	2	11/20/19	AW	SW8081B

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
g-Chlordane	ND		3.7	3.7	ug/Kg	2	11/20/19	AW	SW8081B	
Heptachlor	ND		7.4	7.4	ug/Kg	2	11/20/19	AW	SW8081B	
Heptachlor epoxide	ND		7.4	7.4	ug/Kg	2	11/20/19	AW	SW8081B	
Methoxychlor	ND		37	37	ug/Kg	2	11/20/19	AW	SW8081B	
Toxaphene	ND		150	150	ug/Kg	2	11/20/19	AW	SW8081B	
QA/QC Surrogates										
% DCBP	77				%	2	11/20/19	AW	30 - 150 %	
% DCBP (Confirmation)	79				%	2	11/20/19	AW	30 - 150 %	
% TCMX	67				%	2	11/20/19	AW	30 - 150 %	
% TCMX (Confirmation)	72				%	2	11/20/19	AW	30 - 150 %	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		4.7	0.93	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1,1-Trichloroethane	ND		4.7	0.47	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND		4.7	0.93	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1,2-Trichloroethane	ND		4.7	0.93	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1-Dichloroethane	ND		4.7	0.93	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1-Dichloroethene	ND		4.7	0.47	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1-Dichloropropene	ND		4.7	0.47	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		4.7	0.93	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,3-Trichloropropane	ND		4.7	0.47	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		4.7	0.93	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND		4.7	0.47	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		4.7	0.93	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dibromoethane	ND		4.7	0.47	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dichlorobenzene	ND		4.7	0.47	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dichloroethane	ND		4.7	0.47	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dichloropropane	ND		4.7	0.93	ug/Kg	1	11/20/19	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND		4.7	0.47	ug/Kg	1	11/20/19	JLI	SW8260C	
1,3-Dichlorobenzene	ND		4.7	0.47	ug/Kg	1	11/20/19	JLI	SW8260C	
1,3-Dichloropropane	ND		4.7	0.93	ug/Kg	1	11/20/19	JLI	SW8260C	
1,4-Dichlorobenzene	ND		4.7	0.47	ug/Kg	1	11/20/19	JLI	SW8260C	
2,2-Dichloropropane	ND		4.7	0.47	ug/Kg	1	11/20/19	JLI	SW8260C	
2-Chlorotoluene	ND		4.7	0.93	ug/Kg	1	11/20/19	JLI	SW8260C	
2-Hexanone	ND		23	4.7	ug/Kg	1	11/20/19	JLI	SW8260C	
2-Isopropyltoluene	ND		4.7	0.47	ug/Kg	1	11/20/19	JLI	SW8260C	1
4-Chlorotoluene	ND		4.7	0.47	ug/Kg	1	11/20/19	JLI	SW8260C	
4-Methyl-2-pentanone	ND		23	4.7	ug/Kg	1	11/20/19	JLI	SW8260C	
Acetone	14	JS	23	4.7	ug/Kg	1	11/20/19	JLI	SW8260C	
Acrylonitrile	ND		9.3	0.93	ug/Kg	1	11/20/19	JLI	SW8260C	
Benzene	ND		4.7	0.47	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromobenzene	ND		4.7	0.47	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromochloromethane	ND		4.7	0.47	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromodichloromethane	ND		4.7	0.93	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromoform	ND		4.7	0.93	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromomethane	ND		4.7	1.9	ug/Kg	1	11/20/19	JLI	SW8260C	
Carbon Disulfide	ND		4.7	0.93	ug/Kg	1	11/20/19	JLI	SW8260C	
Carbon tetrachloride	ND		4.7	0.93	ug/Kg	1	11/20/19	JLI	SW8260C	
Chlorobenzene	ND		4.7	0.47	ug/Kg	1	11/20/19	JLI	SW8260C	
Chloroethane	ND		4.7	0.47	ug/Kg	1	11/20/19	JLI	SW8260C	

Project ID: I PARK 0118.28
Client ID: SB-4 (5-10)

Phoenix I.D.: CE63472

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Chloroform	ND	4.7	0.47	ug/Kg	1	11/20/19	JLI	SW8260C	
Chloromethane	ND	4.7	0.93	ug/Kg	1	11/20/19	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	4.7	0.47	ug/Kg	1	11/20/19	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	4.7	0.47	ug/Kg	1	11/20/19	JLI	SW8260C	
Dibromochloromethane	ND	4.7	0.93	ug/Kg	1	11/20/19	JLI	SW8260C	
Dibromomethane	ND	4.7	0.93	ug/Kg	1	11/20/19	JLI	SW8260C	
Dichlorodifluoromethane	ND	4.7	0.47	ug/Kg	1	11/20/19	JLI	SW8260C	
Ethylbenzene	ND	4.7	0.47	ug/Kg	1	11/20/19	JLI	SW8260C	
Hexachlorobutadiene	ND	4.7	0.47	ug/Kg	1	11/20/19	JLI	SW8260C	
Isopropylbenzene	ND	4.7	0.47	ug/Kg	1	11/20/19	JLI	SW8260C	
m&p-Xylene	ND	4.7	0.93	ug/Kg	1	11/20/19	JLI	SW8260C	
Methyl Ethyl Ketone	ND	28	4.7	ug/Kg	1	11/20/19	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	9.3	0.93	ug/Kg	1	11/20/19	JLI	SW8260C	
Methylene chloride	ND	4.7	4.7	ug/Kg	1	11/20/19	JLI	SW8260C	
Naphthalene	ND	4.7	0.93	ug/Kg	1	11/20/19	JLI	SW8260C	
n-Butylbenzene	ND	4.7	0.47	ug/Kg	1	11/20/19	JLI	SW8260C	
n-Propylbenzene	ND	4.7	0.93	ug/Kg	1	11/20/19	JLI	SW8260C	
o-Xylene	ND	4.7	0.93	ug/Kg	1	11/20/19	JLI	SW8260C	
p-Isopropyltoluene	ND	4.7	0.47	ug/Kg	1	11/20/19	JLI	SW8260C	
sec-Butylbenzene	ND	4.7	0.47	ug/Kg	1	11/20/19	JLI	SW8260C	
Styrene	ND	4.7	0.47	ug/Kg	1	11/20/19	JLI	SW8260C	
tert-Butylbenzene	ND	4.7	0.47	ug/Kg	1	11/20/19	JLI	SW8260C	
Tetrachloroethene	ND	4.7	0.93	ug/Kg	1	11/20/19	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	9.3	2.3	ug/Kg	1	11/20/19	JLI	SW8260C	1
Toluene	ND	4.7	0.47	ug/Kg	1	11/20/19	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	4.7	0.47	ug/Kg	1	11/20/19	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	4.7	0.47	ug/Kg	1	11/20/19	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	9.3	2.3	ug/Kg	1	11/20/19	JLI	SW8260C	
Trichloroethene	ND	4.7	0.47	ug/Kg	1	11/20/19	JLI	SW8260C	
Trichlorofluoromethane	ND	4.7	0.93	ug/Kg	1	11/20/19	JLI	SW8260C	
Trichlorotrifluoroethane	ND	4.7	0.47	ug/Kg	1	11/20/19	JLI	SW8260C	
Vinyl chloride	ND	4.7	0.47	ug/Kg	1	11/20/19	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	104			%	1	11/20/19	JLI	70 - 130 %	
% Bromofluorobenzene	95			%	1	11/20/19	JLI	70 - 130 %	
% Dibromofluoromethane	103			%	1	11/20/19	JLI	70 - 130 %	
% Toluene-d8	101			%	1	11/20/19	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	11/19/19	WB	SW8270D	
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	1	11/19/19	WB	SW8270D	
1,2-Dichlorobenzene	ND	260	100	ug/Kg	1	11/19/19	WB	SW8270D	
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	1	11/19/19	WB	SW8270D	
1,3-Dichlorobenzene	ND	260	110	ug/Kg	1	11/19/19	WB	SW8270D	
1,4-Dichlorobenzene	ND	260	110	ug/Kg	1	11/19/19	WB	SW8270D	
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	1	11/19/19	WB	SW8270D	
2,4,6-Trichlorophenol	ND	180	120	ug/Kg	1	11/19/19	WB	SW8270D	
2,4-Dichlorophenol	ND	180	130	ug/Kg	1	11/19/19	WB	SW8270D	
2,4-Dimethylphenol	ND	260	90	ug/Kg	1	11/19/19	WB	SW8270D	
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	11/19/19	WB	SW8270D	

Project ID: I PARK 0118.28
Client ID: SB-4 (5-10)

Phoenix I.D.: CE63472

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	11/19/19	WB	SW8270D	
2,6-Dinitrotoluene	ND	180	120	ug/Kg	1	11/19/19	WB	SW8270D	
2-Chloronaphthalene	ND	260	100	ug/Kg	1	11/19/19	WB	SW8270D	
2-Chlorophenol	ND	260	100	ug/Kg	1	11/19/19	WB	SW8270D	
2-Methylnaphthalene	ND	260	110	ug/Kg	1	11/19/19	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	1	11/19/19	WB	SW8270D	
2-Nitroaniline	ND	260	260	ug/Kg	1	11/19/19	WB	SW8270D	
2-Nitrophenol	ND	260	230	ug/Kg	1	11/19/19	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	260	140	ug/Kg	1	11/19/19	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	11/19/19	WB	SW8270D	
3-Nitroaniline	ND	360	730	ug/Kg	1	11/19/19	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND	220	73	ug/Kg	1	11/19/19	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	11/19/19	WB	SW8270D	
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	11/19/19	WB	SW8270D	
4-Chloroaniline	ND	290	170	ug/Kg	1	11/19/19	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	1	11/19/19	WB	SW8270D	
4-Nitroaniline	ND	360	120	ug/Kg	1	11/19/19	WB	SW8270D	
4-Nitrophenol	ND	360	160	ug/Kg	1	11/19/19	WB	SW8270D	
Acenaphthene	ND	260	110	ug/Kg	1	11/19/19	WB	SW8270D	
Acenaphthylene	ND	260	100	ug/Kg	1	11/19/19	WB	SW8270D	
Acetophenone	ND	260	110	ug/Kg	1	11/19/19	WB	SW8270D	
Aniline	ND	290	290	ug/Kg	1	11/19/19	WB	SW8270D	
Anthracene	ND	260	120	ug/Kg	1	11/19/19	WB	SW8270D	
Benz(a)anthracene	ND	260	120	ug/Kg	1	11/19/19	WB	SW8270D	
Benzidine	ND	360	210	ug/Kg	1	11/19/19	WB	SW8270D	
Benzo(a)pyrene	ND	180	120	ug/Kg	1	11/19/19	WB	SW8270D	
Benzo(b)fluoranthene	ND	260	120	ug/Kg	1	11/19/19	WB	SW8270D	
Benzo(ghi)perylene	ND	260	120	ug/Kg	1	11/19/19	WB	SW8270D	
Benzo(k)fluoranthene	ND	260	120	ug/Kg	1	11/19/19	WB	SW8270D	
Benzoic acid	ND	1800	730	ug/Kg	1	11/19/19	WB	SW8270D	
Benzyl butyl phthalate	ND	260	94	ug/Kg	1	11/19/19	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	11/19/19	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	180	98	ug/Kg	1	11/19/19	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	1	11/19/19	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	260	100	ug/Kg	1	11/19/19	WB	SW8270D	
Carbazole	ND	180	150	ug/Kg	1	11/19/19	WB	SW8270D	
Chrysene	ND	260	120	ug/Kg	1	11/19/19	WB	SW8270D	
Dibenz(a,h)anthracene	ND	180	120	ug/Kg	1	11/19/19	WB	SW8270D	
Dibenzofuran	ND	260	110	ug/Kg	1	11/19/19	WB	SW8270D	
Diethyl phthalate	ND	260	120	ug/Kg	1	11/19/19	WB	SW8270D	
Dimethylphthalate	ND	260	110	ug/Kg	1	11/19/19	WB	SW8270D	
Di-n-butylphthalate	ND	260	97	ug/Kg	1	11/19/19	WB	SW8270D	
Di-n-octylphthalate	ND	260	94	ug/Kg	1	11/19/19	WB	SW8270D	
Fluoranthene	ND	260	120	ug/Kg	1	11/19/19	WB	SW8270D	
Fluorene	ND	260	120	ug/Kg	1	11/19/19	WB	SW8270D	
Hexachlorobenzene	ND	180	110	ug/Kg	1	11/19/19	WB	SW8270D	
Hexachlorobutadiene	ND	260	130	ug/Kg	1	11/19/19	WB	SW8270D	
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	1	11/19/19	WB	SW8270D	
Hexachloroethane	ND	180	110	ug/Kg	1	11/19/19	WB	SW8270D	

Project ID: I PARK 0118.28
Client ID: SB-4 (5-10)

Phoenix I.D.: CE63472

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	1	11/19/19	WB	SW8270D	
Isophorone	ND	180	100	ug/Kg	1	11/19/19	WB	SW8270D	
Naphthalene	ND	260	100	ug/Kg	1	11/19/19	WB	SW8270D	
Nitrobenzene	ND	180	130	ug/Kg	1	11/19/19	WB	SW8270D	
N-Nitrosodimethylamine	ND	260	100	ug/Kg	1	11/19/19	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND	180	120	ug/Kg	1	11/19/19	WB	SW8270D	
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	1	11/19/19	WB	SW8270D	
Pentachloronitrobenzene	ND	260	140	ug/Kg	1	11/19/19	WB	SW8270D	
Pentachlorophenol	ND	220	140	ug/Kg	1	11/19/19	WB	SW8270D	
Phenanthrene	ND	260	100	ug/Kg	1	11/19/19	WB	SW8270D	
Phenol	ND	260	120	ug/Kg	1	11/19/19	WB	SW8270D	
Pyrene	ND	260	130	ug/Kg	1	11/19/19	WB	SW8270D	
Pyridine	ND	260	90	ug/Kg	1	11/19/19	WB	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	71			%	1	11/19/19	WB	30 - 130 %	
% 2-Fluorobiphenyl	65			%	1	11/19/19	WB	30 - 130 %	
% 2-Fluorophenol	61			%	1	11/19/19	WB	30 - 130 %	
% Nitrobenzene-d5	64			%	1	11/19/19	WB	30 - 130 %	
% Phenol-d5	64			%	1	11/19/19	WB	30 - 130 %	
% Terphenyl-d14	58			%	1	11/19/19	WB	30 - 130 %	
Field Extraction	Completed					11/18/19		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 BRL=Below Reporting Level L=Biased Low J=Estimated Below RL 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:

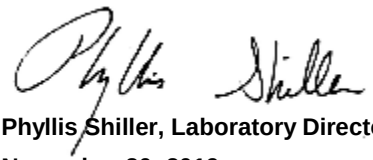
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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.

S - Laboratory solvent, contamination is possible.

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
November 20, 2019
Official Report Release To Follow

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

NY # 11301

Analysis Report

November 20, 2019

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:		11/18/19	13:00
Location Code:	WALDENE	Received by:	SW	11/19/19	16:42
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	IPARK0118.28				

Laboratory Data

SDG ID: GCE63471
Phoenix ID: CE63473

Project ID: I PARK 0118.28
Client ID: SB-12 (0-5)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Aluminum	14500	37	7.5	mg/Kg	10	11/20/19	EK	SW6010D
Antimony	ND	3.7	3.7	mg/Kg	1	11/20/19	EK	SW6010D
Arsenic	4.78	0.75	0.75	mg/Kg	1	11/20/19	EK	SW6010D
Barium	37.5	0.7	0.37	mg/Kg	1	11/20/19	EK	SW6010D
Beryllium	0.34	0.30	0.15	mg/Kg	1	11/20/19	EK	SW6010D
Calcium	912	3.7	3.4	mg/Kg	1	11/20/19	EK	SW6010D
Cadmium	0.94	0.37	0.37	mg/Kg	1	11/20/19	EK	SW6010D
Chromium	13.1	0.37	0.37	mg/Kg	1	11/20/19	EK	SW6010D
Cobalt	12.9	0.37	0.37	mg/Kg	1	11/20/19	EK	SW6010D
Copper	34.9	0.7	0.37	mg/kg	1	11/20/19	EK	SW6010D
Iron	32600	37	37	mg/Kg	10	11/20/19	EK	SW6010D
Lead	17.5	0.7	0.37	mg/Kg	1	11/20/19	EK	SW6010D
Magnesium	7440	37	37	mg/Kg	10	11/20/19	EK	SW6010D
Manganese	1210	3.7	3.7	mg/Kg	10	11/20/19	EK	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	11/20/19	RS	SW7471B
Nickel	24.3	0.37	0.37	mg/Kg	1	11/20/19	EK	SW6010D
Potassium	1000	7	2.9	mg/Kg	1	11/20/19	EK	SW6010D
Selenium	ND	1.5	1.3	mg/Kg	1	11/20/19	EK	SW6010D
Silver	ND	0.37	0.37	mg/Kg	1	11/20/19	EK	SW6010D
Sodium	480	7	3.2	mg/Kg	1	11/20/19	EK	SW6010D
Thallium	ND	1.5	1.5	mg/Kg	1	11/20/19	EK	SW6010D
Vanadium	13.7	0.37	0.37	mg/Kg	1	11/20/19	EK	SW6010D
Zinc	78.5	0.7	0.37	mg/Kg	1	11/20/19	EK	SW6010D
Percent Solid	94			%		11/19/19	VT	SW846-%Solid
Soil Extraction for PCB	Completed					11/19/19	MM/LE	SW3545A
Soil Extraction for Pesticides	Completed					11/19/19	MM/LE	SW3545A
Soil Extraction for SVOA	Completed					11/19/19	BB/LE	SW3545A
Mercury Digestion	Completed					11/20/19	LS/LS	SW7471B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Soil Extraction for Herbicide	Completed					11/19/19	J/D	SW8151A
Total Metals Digest	Completed					11/19/19	B/AG/BF	SW3050B
Chlorinated Herbicides								
2,4,5-T	ND	88	88	ug/Kg	10	11/20/19	JRB	SW8151A
2,4,5-TP (Silvex)	ND	88	88	ug/Kg	10	11/20/19	JRB	SW8151A
2,4-D	ND	180	180	ug/Kg	10	11/20/19	JRB	SW8151A
2,4-DB	ND	1800	1800	ug/Kg	10	11/20/19	JRB	SW8151A
Dalapon	ND	88	88	ug/Kg	10	11/20/19	JRB	SW8151A
Dicamba	ND	88	88	ug/Kg	10	11/20/19	JRB	SW8151A
Dichloroprop	ND	180	180	ug/Kg	10	11/20/19	JRB	SW8151A
Dinoseb	ND	180	180	ug/Kg	10	11/20/19	JRB	SW8151A
QA/QC Surrogates								
% DCAA	60			%	10	11/20/19	JRB	30 - 150 %
% DCAA (Confirmation)	60			%	10	11/20/19	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	69	69	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1221	ND	69	69	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1232	ND	69	69	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1242	ND	69	69	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1248	ND	69	69	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1254	110	69	69	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1260	ND	69	69	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1262	ND	69	69	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1268	ND	69	69	ug/Kg	2	11/20/19	SC	SW8082A
QA/QC Surrogates								
% DCBP	90			%	2	11/20/19	SC	30 - 150 %
% DCBP (Confirmation)	86			%	2	11/20/19	SC	30 - 150 %
% TCMX	78			%	2	11/20/19	SC	30 - 150 %
% TCMX (Confirmation)	78			%	2	11/20/19	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.1	2.1	ug/Kg	2	11/20/19	AW	SW8081B
4,4' -DDE	15	2.1	2.1	ug/Kg	2	11/20/19	AW	SW8081B
4,4' -DDT	ND	2.1	2.1	ug/Kg	2	11/20/19	AW	SW8081B
a-BHC	ND	6.9	6.9	ug/Kg	2	11/20/19	AW	SW8081B
a-Chlordane	8.7	3.5	3.5	ug/Kg	2	11/20/19	AW	SW8081B
Aldrin	ND	3.5	3.5	ug/Kg	2	11/20/19	AW	SW8081B
b-BHC	ND	6.9	6.9	ug/Kg	2	11/20/19	AW	SW8081B
Chlordane	41	35	35	ug/Kg	2	11/20/19	AW	SW8081B
d-BHC	ND	6.9	6.9	ug/Kg	2	11/20/19	AW	SW8081B
Dieldrin	ND	3.5	3.5	ug/Kg	2	11/20/19	AW	SW8081B
Endosulfan I	ND	6.9	6.9	ug/Kg	2	11/20/19	AW	SW8081B
Endosulfan II	ND	6.9	6.9	ug/Kg	2	11/20/19	AW	SW8081B
Endosulfan sulfate	ND	6.9	6.9	ug/Kg	2	11/20/19	AW	SW8081B
Endrin	ND	6.9	6.9	ug/Kg	2	11/20/19	AW	SW8081B
Endrin aldehyde	ND	6.9	6.9	ug/Kg	2	11/20/19	AW	SW8081B
Endrin ketone	ND	6.9	6.9	ug/Kg	2	11/20/19	AW	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	11/20/19	AW	SW8081B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
g-Chlordane	7.2	3.5	3.5	ug/Kg	2	11/20/19	AW	SW8081B	
Heptachlor	ND	6.9	6.9	ug/Kg	2	11/20/19	AW	SW8081B	
Heptachlor epoxide	ND	6.9	6.9	ug/Kg	2	11/20/19	AW	SW8081B	
Methoxychlor	ND	35	35	ug/Kg	2	11/20/19	AW	SW8081B	
Toxaphene	ND	140	140	ug/Kg	2	11/20/19	AW	SW8081B	
QA/QC Surrogates									
% DCBP	75			%	2	11/20/19	AW	30 - 150 %	
% DCBP (Confirmation)	72			%	2	11/20/19	AW	30 - 150 %	
% TCMX	57			%	2	11/20/19	AW	30 - 150 %	
% TCMX (Confirmation)	58			%	2	11/20/19	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	8.7	1.7	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1,1-Trichloroethane	ND	8.7	0.87	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	8.7	1.7	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1,2-Trichloroethane	ND	8.7	1.7	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1-Dichloroethane	ND	8.7	1.7	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1-Dichloroethene	ND	8.7	0.87	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1-Dichloropropene	ND	8.7	0.87	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	8.7	1.7	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,3-Trichloropropane	ND	8.7	0.87	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	8.7	1.7	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	8.7	0.87	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	8.7	1.7	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dibromoethane	ND	8.7	0.87	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dichlorobenzene	ND	8.7	0.87	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dichloroethane	ND	8.7	0.87	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dichloropropane	ND	8.7	1.7	ug/Kg	1	11/20/19	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	8.7	0.87	ug/Kg	1	11/20/19	JLI	SW8260C	
1,3-Dichlorobenzene	ND	8.7	0.87	ug/Kg	1	11/20/19	JLI	SW8260C	
1,3-Dichloropropane	ND	8.7	1.7	ug/Kg	1	11/20/19	JLI	SW8260C	
1,4-Dichlorobenzene	ND	8.7	0.87	ug/Kg	1	11/20/19	JLI	SW8260C	
2,2-Dichloropropane	ND	8.7	0.87	ug/Kg	1	11/20/19	JLI	SW8260C	
2-Chlorotoluene	ND	8.7	1.7	ug/Kg	1	11/20/19	JLI	SW8260C	
2-Hexanone	ND	43	8.7	ug/Kg	1	11/20/19	JLI	SW8260C	
2-Isopropyltoluene	ND	8.7	0.87	ug/Kg	1	11/20/19	JLI	SW8260C	1
4-Chlorotoluene	ND	8.7	0.87	ug/Kg	1	11/20/19	JLI	SW8260C	
4-Methyl-2-pentanone	ND	43	8.7	ug/Kg	1	11/20/19	JLI	SW8260C	
Acetone	ND	43	8.7	ug/Kg	1	11/20/19	JLI	SW8260C	
Acrylonitrile	ND	17	1.7	ug/Kg	1	11/20/19	JLI	SW8260C	
Benzene	ND	8.7	0.87	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromobenzene	ND	8.7	0.87	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromochloromethane	ND	8.7	0.87	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromodichloromethane	ND	8.7	1.7	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromoform	ND	8.7	1.7	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromomethane	ND	8.7	3.5	ug/Kg	1	11/20/19	JLI	SW8260C	
Carbon Disulfide	ND	8.7	1.7	ug/Kg	1	11/20/19	JLI	SW8260C	
Carbon tetrachloride	ND	8.7	1.7	ug/Kg	1	11/20/19	JLI	SW8260C	
Chlorobenzene	ND	8.7	0.87	ug/Kg	1	11/20/19	JLI	SW8260C	
Chloroethane	ND	8.7	0.87	ug/Kg	1	11/20/19	JLI	SW8260C	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Chloroform	ND	8.7	0.87	ug/Kg	1	11/20/19	JLI	SW8260C	
Chloromethane	ND	8.7	1.7	ug/Kg	1	11/20/19	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	8.7	0.87	ug/Kg	1	11/20/19	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	8.7	0.87	ug/Kg	1	11/20/19	JLI	SW8260C	
Dibromochloromethane	ND	8.7	1.7	ug/Kg	1	11/20/19	JLI	SW8260C	
Dibromomethane	ND	8.7	1.7	ug/Kg	1	11/20/19	JLI	SW8260C	
Dichlorodifluoromethane	ND	8.7	0.87	ug/Kg	1	11/20/19	JLI	SW8260C	
Ethylbenzene	ND	8.7	0.87	ug/Kg	1	11/20/19	JLI	SW8260C	
Hexachlorobutadiene	ND	8.7	0.87	ug/Kg	1	11/20/19	JLI	SW8260C	
Isopropylbenzene	ND	8.7	0.87	ug/Kg	1	11/20/19	JLI	SW8260C	
m&p-Xylene	ND	8.7	1.7	ug/Kg	1	11/20/19	JLI	SW8260C	
Methyl Ethyl Ketone	ND	52	8.7	ug/Kg	1	11/20/19	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	17	1.7	ug/Kg	1	11/20/19	JLI	SW8260C	
Methylene chloride	ND	8.7	8.7	ug/Kg	1	11/20/19	JLI	SW8260C	
Naphthalene	ND	8.7	1.7	ug/Kg	1	11/20/19	JLI	SW8260C	
n-Butylbenzene	ND	8.7	0.87	ug/Kg	1	11/20/19	JLI	SW8260C	
n-Propylbenzene	ND	8.7	1.7	ug/Kg	1	11/20/19	JLI	SW8260C	
o-Xylene	ND	8.7	1.7	ug/Kg	1	11/20/19	JLI	SW8260C	
p-Isopropyltoluene	ND	8.7	0.87	ug/Kg	1	11/20/19	JLI	SW8260C	
sec-Butylbenzene	ND	8.7	0.87	ug/Kg	1	11/20/19	JLI	SW8260C	
Styrene	ND	8.7	0.87	ug/Kg	1	11/20/19	JLI	SW8260C	
tert-Butylbenzene	ND	8.7	0.87	ug/Kg	1	11/20/19	JLI	SW8260C	
Tetrachloroethene	ND	8.7	1.7	ug/Kg	1	11/20/19	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	17	4.3	ug/Kg	1	11/20/19	JLI	SW8260C	1
Toluene	ND	8.7	0.87	ug/Kg	1	11/20/19	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	8.7	0.87	ug/Kg	1	11/20/19	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	8.7	0.87	ug/Kg	1	11/20/19	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	17	4.3	ug/Kg	1	11/20/19	JLI	SW8260C	
Trichloroethene	ND	8.7	0.87	ug/Kg	1	11/20/19	JLI	SW8260C	
Trichlorofluoromethane	ND	8.7	1.7	ug/Kg	1	11/20/19	JLI	SW8260C	
Trichlorotrifluoroethane	ND	8.7	0.87	ug/Kg	1	11/20/19	JLI	SW8260C	
Vinyl chloride	ND	8.7	0.87	ug/Kg	1	11/20/19	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	101			%	1	11/20/19	JLI	70 - 130 %	
% Bromofluorobenzene	94			%	1	11/20/19	JLI	70 - 130 %	
% Dibromofluoromethane	102			%	1	11/20/19	JLI	70 - 130 %	
% Toluene-d8	99			%	1	11/20/19	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	1	11/20/19	WB	SW8270D	
1,2,4-Trichlorobenzene	ND	240	100	ug/Kg	1	11/20/19	WB	SW8270D	
1,2-Dichlorobenzene	ND	240	97	ug/Kg	1	11/20/19	WB	SW8270D	
1,2-Diphenylhydrazine	ND	240	110	ug/Kg	1	11/20/19	WB	SW8270D	
1,3-Dichlorobenzene	ND	240	100	ug/Kg	1	11/20/19	WB	SW8270D	
1,4-Dichlorobenzene	ND	240	100	ug/Kg	1	11/20/19	WB	SW8270D	
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	1	11/20/19	WB	SW8270D	
2,4,6-Trichlorophenol	ND	170	110	ug/Kg	1	11/20/19	WB	SW8270D	
2,4-Dichlorophenol	ND	170	120	ug/Kg	1	11/20/19	WB	SW8270D	
2,4-Dimethylphenol	ND	240	85	ug/Kg	1	11/20/19	WB	SW8270D	
2,4-Dinitrophenol	ND	240	240	ug/Kg	1	11/20/19	WB	SW8270D	

Project ID: I PARK 0118.28
Client ID: SB-12 (0-5)

Phoenix I.D.: CE63473

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dinitrotoluene	ND	170	140	ug/Kg	1	11/20/19	WB	SW8270D	
2,6-Dinitrotoluene	ND	170	110	ug/Kg	1	11/20/19	WB	SW8270D	
2-Chloronaphthalene	ND	240	98	ug/Kg	1	11/20/19	WB	SW8270D	
2-Chlorophenol	ND	240	98	ug/Kg	1	11/20/19	WB	SW8270D	
2-Methylnaphthalene	ND	240	100	ug/Kg	1	11/20/19	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	1	11/20/19	WB	SW8270D	
2-Nitroaniline	ND	240	240	ug/Kg	1	11/20/19	WB	SW8270D	
2-Nitrophenol	ND	240	220	ug/Kg	1	11/20/19	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	1	11/20/19	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND	170	160	ug/Kg	1	11/20/19	WB	SW8270D	
3-Nitroaniline	ND	340	690	ug/Kg	1	11/20/19	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND	210	69	ug/Kg	1	11/20/19	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	1	11/20/19	WB	SW8270D	
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	1	11/20/19	WB	SW8270D	
4-Chloroaniline	ND	280	160	ug/Kg	1	11/20/19	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	1	11/20/19	WB	SW8270D	
4-Nitroaniline	ND	340	110	ug/Kg	1	11/20/19	WB	SW8270D	
4-Nitrophenol	ND	340	160	ug/Kg	1	11/20/19	WB	SW8270D	
Acenaphthene	ND	240	100	ug/Kg	1	11/20/19	WB	SW8270D	
Acenaphthylene	ND	240	96	ug/Kg	1	11/20/19	WB	SW8270D	
Acetophenone	ND	240	110	ug/Kg	1	11/20/19	WB	SW8270D	
Aniline	ND	280	280	ug/Kg	1	11/20/19	WB	SW8270D	
Anthracene	ND	240	110	ug/Kg	1	11/20/19	WB	SW8270D	
Benz(a)anthracene	ND	240	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benzidine	ND	340	200	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(a)pyrene	ND	170	110	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(b)fluoranthene	ND	240	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(ghi)perylene	ND	240	110	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(k)fluoranthene	ND	240	110	ug/Kg	1	11/20/19	WB	SW8270D	
Benzoic acid	ND	1700	690	ug/Kg	1	11/20/19	WB	SW8270D	
Benzyl butyl phthalate	ND	240	89	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	240	95	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	170	93	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND	240	96	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	240	99	ug/Kg	1	11/20/19	WB	SW8270D	
Carbazole	ND	170	140	ug/Kg	1	11/20/19	WB	SW8270D	
Chrysene	ND	240	120	ug/Kg	1	11/20/19	WB	SW8270D	
Dibenz(a,h)anthracene	ND	170	110	ug/Kg	1	11/20/19	WB	SW8270D	
Dibenzofuran	ND	240	100	ug/Kg	1	11/20/19	WB	SW8270D	
Diethyl phthalate	ND	240	110	ug/Kg	1	11/20/19	WB	SW8270D	
Dimethylphthalate	ND	240	110	ug/Kg	1	11/20/19	WB	SW8270D	
Di-n-butylphthalate	ND	240	92	ug/Kg	1	11/20/19	WB	SW8270D	
Di-n-octylphthalate	ND	240	89	ug/Kg	1	11/20/19	WB	SW8270D	
Fluoranthene	ND	240	110	ug/Kg	1	11/20/19	WB	SW8270D	
Fluorene	ND	240	110	ug/Kg	1	11/20/19	WB	SW8270D	
Hexachlorobenzene	ND	170	100	ug/Kg	1	11/20/19	WB	SW8270D	
Hexachlorobutadiene	ND	240	120	ug/Kg	1	11/20/19	WB	SW8270D	
Hexachlorocyclopentadiene	ND	240	110	ug/Kg	1	11/20/19	WB	SW8270D	
Hexachloroethane	ND	170	100	ug/Kg	1	11/20/19	WB	SW8270D	

Project ID: I PARK 0118.28
Client ID: SB-12 (0-5)

Phoenix I.D.: CE63473

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Indeno(1,2,3-cd)pyrene	ND	240	110	ug/Kg	1	11/20/19	WB	SW8270D	
Isophorone	ND	170	96	ug/Kg	1	11/20/19	WB	SW8270D	
Naphthalene	ND	240	99	ug/Kg	1	11/20/19	WB	SW8270D	
Nitrobenzene	ND	170	120	ug/Kg	1	11/20/19	WB	SW8270D	
N-Nitrosodimethylamine	ND	240	97	ug/Kg	1	11/20/19	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND	170	110	ug/Kg	1	11/20/19	WB	SW8270D	
N-Nitrosodiphenylamine	ND	240	130	ug/Kg	1	11/20/19	WB	SW8270D	
Pentachloronitrobenzene	ND	240	130	ug/Kg	1	11/20/19	WB	SW8270D	
Pentachlorophenol	ND	210	130	ug/Kg	1	11/20/19	WB	SW8270D	
Phenanthrene	ND	240	98	ug/Kg	1	11/20/19	WB	SW8270D	
Phenol	ND	240	110	ug/Kg	1	11/20/19	WB	SW8270D	
Pyrene	ND	240	120	ug/Kg	1	11/20/19	WB	SW8270D	
Pyridine	ND	240	85	ug/Kg	1	11/20/19	WB	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	69			%	1	11/20/19	WB	30 - 130 %	
% 2-Fluorobiphenyl	66			%	1	11/20/19	WB	30 - 130 %	
% 2-Fluorophenol	56			%	1	11/20/19	WB	30 - 130 %	
% Nitrobenzene-d5	61			%	1	11/20/19	WB	30 - 130 %	
% Phenol-d5	60			%	1	11/20/19	WB	30 - 130 %	
% Terphenyl-d14	67			%	1	11/20/19	WB	30 - 130 %	
Field Extraction	Completed					11/18/19		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 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.

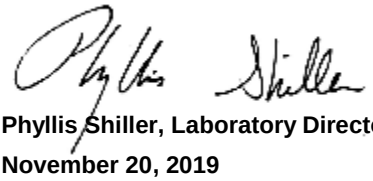
Comments:

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
November 20, 2019
Official Report Release To Follow

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

NY # 11301

Analysis Report

November 20, 2019

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:		11/18/19	13:00
Location Code:	WALDENE	Received by:	SW	11/19/19	16:42
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	IPARK0118.28				

Laboratory Data

SDG ID: GCE63471
Phoenix ID: CE63474

Project ID: I PARK 0118.28
Client ID: SB-12 (5-10)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Aluminum	15000	37	7.4	mg/Kg	10	11/20/19	EK	SW6010D
Antimony	ND	3.7	3.7	mg/Kg	1	11/20/19	EK	SW6010D
Arsenic	5.05	0.74	0.74	mg/Kg	1	11/20/19	EK	SW6010D
Barium	40.6	0.7	0.37	mg/Kg	1	11/20/19	EK	SW6010D
Beryllium	0.46	0.30	0.15	mg/Kg	1	11/20/19	EK	SW6010D
Calcium	895	3.7	3.4	mg/Kg	1	11/20/19	EK	SW6010D
Cadmium	0.95	0.37	0.37	mg/Kg	1	11/20/19	EK	SW6010D
Chromium	16.4	0.37	0.37	mg/Kg	1	11/20/19	EK	SW6010D
Cobalt	11.9	0.37	0.37	mg/Kg	1	11/20/19	EK	SW6010D
Copper	37.0	0.7	0.37	mg/kg	1	11/20/19	EK	SW6010D
Iron	34400	37	37	mg/Kg	10	11/20/19	EK	SW6010D
Lead	14.3	0.7	0.37	mg/Kg	1	11/20/19	EK	SW6010D
Magnesium	6810	37	37	mg/Kg	10	11/20/19	EK	SW6010D
Manganese	868	3.7	3.7	mg/Kg	10	11/20/19	EK	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	11/20/19	RS	SW7471B
Nickel	25.7	0.37	0.37	mg/Kg	1	11/20/19	EK	SW6010D
Potassium	1340	7	2.9	mg/Kg	1	11/20/19	EK	SW6010D
Selenium	ND	1.5	1.3	mg/Kg	1	11/20/19	EK	SW6010D
Silver	ND	0.37	0.37	mg/Kg	1	11/20/19	EK	SW6010D
Sodium	729	7	3.2	mg/Kg	1	11/20/19	EK	SW6010D
Thallium	ND	1.5	1.5	mg/Kg	1	11/20/19	EK	SW6010D
Vanadium	15.5	0.37	0.37	mg/Kg	1	11/20/19	EK	SW6010D
Zinc	81.4	0.7	0.37	mg/Kg	1	11/20/19	EK	SW6010D
Percent Solid	89			%		11/19/19	VT	SW846-%Solid
Soil Extraction for PCB	Completed					11/19/19	MM/LE	SW3545A
Soil Extraction for Pesticides	Completed					11/19/19	MM/LE	SW3545A
Soil Extraction for SVOA	Completed					11/19/19	BB/LE	SW3545A
Mercury Digestion	Completed					11/20/19	LS/LS	SW7471B

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Soil Extraction for Herbicide	Completed					11/19/19	J/D	SW8151A
Total Metals Digest	Completed					11/19/19	B/AG/BF	SW3050B
Chlorinated Herbicides								
2,4,5-T	ND	93	93	ug/Kg	10	11/20/19	JRB	SW8151A
2,4,5-TP (Silvex)	ND	93	93	ug/Kg	10	11/20/19	JRB	SW8151A
2,4-D	ND	190	190	ug/Kg	10	11/20/19	JRB	SW8151A
2,4-DB	ND	1900	1900	ug/Kg	10	11/20/19	JRB	SW8151A
Dalapon	ND	93	93	ug/Kg	10	11/20/19	JRB	SW8151A
Dicamba	ND	93	93	ug/Kg	10	11/20/19	JRB	SW8151A
Dichloroprop	ND	190	190	ug/Kg	10	11/20/19	JRB	SW8151A
Dinoseb	ND	190	190	ug/Kg	10	11/20/19	JRB	SW8151A
QA/QC Surrogates								
% DCAA	68			%	10	11/20/19	JRB	30 - 150 %
% DCAA (Confirmation)	73			%	10	11/20/19	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	75	75	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1221	ND	75	75	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1232	ND	75	75	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1242	ND	75	75	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1248	ND	75	75	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1254	ND	75	75	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1260	ND	75	75	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1262	ND	75	75	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1268	ND	75	75	ug/Kg	2	11/20/19	SC	SW8082A
QA/QC Surrogates								
% DCBP	96			%	2	11/20/19	SC	30 - 150 %
% DCBP (Confirmation)	95			%	2	11/20/19	SC	30 - 150 %
% TCMX	91			%	2	11/20/19	SC	30 - 150 %
% TCMX (Confirmation)	91			%	2	11/20/19	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.2	2.2	ug/Kg	2	11/20/19	AW	SW8081B
4,4' -DDE	ND	2.2	2.2	ug/Kg	2	11/20/19	AW	SW8081B
4,4' -DDT	ND	2.2	2.2	ug/Kg	2	11/20/19	AW	SW8081B
a-BHC	ND	7.5	7.5	ug/Kg	2	11/20/19	AW	SW8081B
a-Chlordane	ND	3.7	3.7	ug/Kg	2	11/20/19	AW	SW8081B
Aldrin	ND	3.7	3.7	ug/Kg	2	11/20/19	AW	SW8081B
b-BHC	ND	7.5	7.5	ug/Kg	2	11/20/19	AW	SW8081B
Chlordane	ND	37	37	ug/Kg	2	11/20/19	AW	SW8081B
d-BHC	ND	7.5	7.5	ug/Kg	2	11/20/19	AW	SW8081B
Dieldrin	ND	3.7	3.7	ug/Kg	2	11/20/19	AW	SW8081B
Endosulfan I	ND	7.5	7.5	ug/Kg	2	11/20/19	AW	SW8081B
Endosulfan II	ND	7.5	7.5	ug/Kg	2	11/20/19	AW	SW8081B
Endosulfan sulfate	ND	7.5	7.5	ug/Kg	2	11/20/19	AW	SW8081B
Endrin	ND	7.5	7.5	ug/Kg	2	11/20/19	AW	SW8081B
Endrin aldehyde	ND	7.5	7.5	ug/Kg	2	11/20/19	AW	SW8081B
Endrin ketone	ND	7.5	7.5	ug/Kg	2	11/20/19	AW	SW8081B
g-BHC	ND	1.5	1.5	ug/Kg	2	11/20/19	AW	SW8081B

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
g-Chlordane	ND	3.7	3.7	ug/Kg	2	11/20/19	AW	SW8081B	
Heptachlor	ND	7.5	7.5	ug/Kg	2	11/20/19	AW	SW8081B	
Heptachlor epoxide	ND	7.5	7.5	ug/Kg	2	11/20/19	AW	SW8081B	
Methoxychlor	ND	37	37	ug/Kg	2	11/20/19	AW	SW8081B	
Toxaphene	ND	150	150	ug/Kg	2	11/20/19	AW	SW8081B	
QA/QC Surrogates									
% DCBP	75			%	2	11/20/19	AW	30 - 150 %	
% DCBP (Confirmation)	76			%	2	11/20/19	AW	30 - 150 %	
% TCMX	62			%	2	11/20/19	AW	30 - 150 %	
% TCMX (Confirmation)	63			%	2	11/20/19	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1,1-Trichloroethane	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1,2-Trichloroethane	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1-Dichloroethane	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1-Dichloroethene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1-Dichloropropene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,3-Trichloropropane	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dibromoethane	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dichlorobenzene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dichloroethane	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dichloropropane	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
1,3-Dichlorobenzene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
1,3-Dichloropropane	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
1,4-Dichlorobenzene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
2,2-Dichloropropane	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
2-Chlorotoluene	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
2-Hexanone	ND	31	6.2	ug/Kg	1	11/20/19	JLI	SW8260C	
2-Isopropyltoluene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	1
4-Chlorotoluene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
4-Methyl-2-pentanone	ND	31	6.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Acetone	ND	31	6.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Acrylonitrile	ND	12	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Benzene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromobenzene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromochloromethane	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromodichloromethane	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromoform	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromomethane	ND	6.2	2.5	ug/Kg	1	11/20/19	JLI	SW8260C	
Carbon Disulfide	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Carbon tetrachloride	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Chlorobenzene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
Chloroethane	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Chloroform	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
Chloromethane	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
Dibromochloromethane	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Dibromomethane	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Dichlorodifluoromethane	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
Ethylbenzene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
Hexachlorobutadiene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
Isopropylbenzene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
m&p-Xylene	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Methyl Ethyl Ketone	ND	37	6.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	12	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Methylene chloride	ND	6.2	6.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Naphthalene	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
n-Butylbenzene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
n-Propylbenzene	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
o-Xylene	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
p-Isopropyltoluene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
sec-Butylbenzene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
Styrene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
tert-Butylbenzene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
Tetrachloroethene	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	12	3.1	ug/Kg	1	11/20/19	JLI	SW8260C	1
Toluene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	12	3.1	ug/Kg	1	11/20/19	JLI	SW8260C	
Trichloroethene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
Trichlorofluoromethane	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Trichlorotrifluoroethane	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
Vinyl chloride	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	102			%	1	11/20/19	JLI	70 - 130 %	
% Bromofluorobenzene	95			%	1	11/20/19	JLI	70 - 130 %	
% Dibromofluoromethane	101			%	1	11/20/19	JLI	70 - 130 %	
% Toluene-d8	99			%	1	11/20/19	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	11/20/19	WB	SW8270D	
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	1	11/20/19	WB	SW8270D	
1,2-Dichlorobenzene	ND	260	100	ug/Kg	1	11/20/19	WB	SW8270D	
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	1	11/20/19	WB	SW8270D	
1,3-Dichlorobenzene	ND	260	110	ug/Kg	1	11/20/19	WB	SW8270D	
1,4-Dichlorobenzene	ND	260	110	ug/Kg	1	11/20/19	WB	SW8270D	
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	1	11/20/19	WB	SW8270D	
2,4,6-Trichlorophenol	ND	180	120	ug/Kg	1	11/20/19	WB	SW8270D	
2,4-Dichlorophenol	ND	180	130	ug/Kg	1	11/20/19	WB	SW8270D	
2,4-Dimethylphenol	ND	260	91	ug/Kg	1	11/20/19	WB	SW8270D	
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	11/20/19	WB	SW8270D	

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	11/20/19	WB	SW8270D	
2,6-Dinitrotoluene	ND	180	120	ug/Kg	1	11/20/19	WB	SW8270D	
2-Chloronaphthalene	ND	260	100	ug/Kg	1	11/20/19	WB	SW8270D	
2-Chlorophenol	ND	260	100	ug/Kg	1	11/20/19	WB	SW8270D	
2-Methylnaphthalene	ND	260	110	ug/Kg	1	11/20/19	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	1	11/20/19	WB	SW8270D	
2-Nitroaniline	ND	260	260	ug/Kg	1	11/20/19	WB	SW8270D	
2-Nitrophenol	ND	260	230	ug/Kg	1	11/20/19	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	260	140	ug/Kg	1	11/20/19	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	11/20/19	WB	SW8270D	
3-Nitroaniline	ND	370	730	ug/Kg	1	11/20/19	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND	220	73	ug/Kg	1	11/20/19	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	11/20/19	WB	SW8270D	
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	11/20/19	WB	SW8270D	
4-Chloroaniline	ND	290	170	ug/Kg	1	11/20/19	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	1	11/20/19	WB	SW8270D	
4-Nitroaniline	ND	370	120	ug/Kg	1	11/20/19	WB	SW8270D	
4-Nitrophenol	ND	370	170	ug/Kg	1	11/20/19	WB	SW8270D	
Acenaphthene	ND	260	110	ug/Kg	1	11/20/19	WB	SW8270D	
Acenaphthylene	ND	260	100	ug/Kg	1	11/20/19	WB	SW8270D	
Acetophenone	ND	260	110	ug/Kg	1	11/20/19	WB	SW8270D	
Aniline	ND	290	290	ug/Kg	1	11/20/19	WB	SW8270D	
Anthracene	ND	260	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benz(a)anthracene	ND	260	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benzidine	ND	370	220	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(a)pyrene	ND	180	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(b)fluoranthene	ND	260	130	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(ghi)perylene	ND	260	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(k)fluoranthene	ND	260	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benzoic acid	ND	1800	730	ug/Kg	1	11/20/19	WB	SW8270D	
Benzyl butyl phthalate	ND	260	94	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	180	99	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	1	11/20/19	WB	SW8270D	
Carbazole	ND	180	150	ug/Kg	1	11/20/19	WB	SW8270D	
Chrysene	ND	260	120	ug/Kg	1	11/20/19	WB	SW8270D	
Dibenz(a,h)anthracene	ND	180	120	ug/Kg	1	11/20/19	WB	SW8270D	
Dibenzofuran	ND	260	110	ug/Kg	1	11/20/19	WB	SW8270D	
Diethyl phthalate	ND	260	120	ug/Kg	1	11/20/19	WB	SW8270D	
Dimethylphthalate	ND	260	110	ug/Kg	1	11/20/19	WB	SW8270D	
Di-n-butylphthalate	ND	260	97	ug/Kg	1	11/20/19	WB	SW8270D	
Di-n-octylphthalate	ND	260	94	ug/Kg	1	11/20/19	WB	SW8270D	
Fluoranthene	ND	260	120	ug/Kg	1	11/20/19	WB	SW8270D	
Fluorene	ND	260	120	ug/Kg	1	11/20/19	WB	SW8270D	
Hexachlorobenzene	ND	180	110	ug/Kg	1	11/20/19	WB	SW8270D	
Hexachlorobutadiene	ND	260	130	ug/Kg	1	11/20/19	WB	SW8270D	
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	1	11/20/19	WB	SW8270D	
Hexachloroethane	ND	180	110	ug/Kg	1	11/20/19	WB	SW8270D	

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	1	11/20/19	WB	SW8270D	
Isophorone	ND	180	100	ug/Kg	1	11/20/19	WB	SW8270D	
Naphthalene	ND	260	110	ug/Kg	1	11/20/19	WB	SW8270D	
Nitrobenzene	ND	180	130	ug/Kg	1	11/20/19	WB	SW8270D	
N-Nitrosodimethylamine	ND	260	100	ug/Kg	1	11/20/19	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND	180	120	ug/Kg	1	11/20/19	WB	SW8270D	
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	1	11/20/19	WB	SW8270D	
Pentachloronitrobenzene	ND	260	140	ug/Kg	1	11/20/19	WB	SW8270D	
Pentachlorophenol	ND	220	140	ug/Kg	1	11/20/19	WB	SW8270D	
Phenanthrene	ND	260	100	ug/Kg	1	11/20/19	WB	SW8270D	
Phenol	ND	260	120	ug/Kg	1	11/20/19	WB	SW8270D	
Pyrene	ND	260	130	ug/Kg	1	11/20/19	WB	SW8270D	
Pyridine	ND	260	90	ug/Kg	1	11/20/19	WB	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	66			%	1	11/20/19	WB	30 - 130 %	
% 2-Fluorobiphenyl	56			%	1	11/20/19	WB	30 - 130 %	
% 2-Fluorophenol	51			%	1	11/20/19	WB	30 - 130 %	
% Nitrobenzene-d5	55			%	1	11/20/19	WB	30 - 130 %	
% Phenol-d5	54			%	1	11/20/19	WB	30 - 130 %	
% Terphenyl-d14	60			%	1	11/20/19	WB	30 - 130 %	
Field Extraction	Completed					11/18/19		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 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.

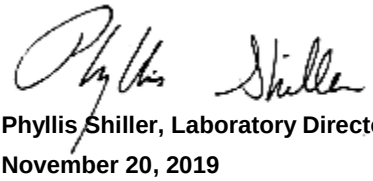
Comments:

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
November 20, 2019
Official Report Release To Follow

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

NY # 11301

Analysis Report

November 20, 2019

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:		11/18/19	13:00
Location Code:	WALDENE	Received by:	SW	11/19/19	16:42
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	IPARK0118.28				

Laboratory Data

SDG ID: GCE63471
Phoenix ID: CE63475

Project ID: I PARK 0118.28
Client ID: SB-12 (10-15)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Aluminum	11200		34	6.7	mg/Kg	10	11/20/19	EK	SW6010D
Antimony	ND		3.4	3.4	mg/Kg	1	11/20/19	EK	SW6010D
Arsenic	4.54		0.67	0.67	mg/Kg	1	11/20/19	EK	SW6010D
Barium	55.4		0.7	0.34	mg/Kg	1	11/20/19	EK	SW6010D
Beryllium	0.33		0.27	0.13	mg/Kg	1	11/20/19	EK	SW6010D
Calcium	5330		3.4	3.1	mg/Kg	1	11/20/19	EK	SW6010D
Cadmium	0.74		0.34	0.34	mg/Kg	1	11/20/19	EK	SW6010D
Chromium	15.6		0.34	0.34	mg/Kg	1	11/20/19	EK	SW6010D
Cobalt	9.07		0.34	0.34	mg/Kg	1	11/20/19	EK	SW6010D
Copper	28.6		0.7	0.34	mg/kg	1	11/20/19	EK	SW6010D
Iron	25700		34	34	mg/Kg	10	11/20/19	EK	SW6010D
Lead	12.0		0.7	0.34	mg/Kg	1	11/20/19	EK	SW6010D
Magnesium	7410		34	34	mg/Kg	10	11/20/19	EK	SW6010D
Manganese	880		3.4	3.4	mg/Kg	10	11/20/19	EK	SW6010D
Mercury	0.02	J	0.03	0.02	mg/Kg	2	11/20/19	RS	SW7471B
Nickel	18.7		0.34	0.34	mg/Kg	1	11/20/19	EK	SW6010D
Potassium	949		7	2.6	mg/Kg	1	11/20/19	EK	SW6010D
Selenium	ND		1.3	1.1	mg/Kg	1	11/20/19	EK	SW6010D
Silver	ND		0.34	0.34	mg/Kg	1	11/20/19	EK	SW6010D
Sodium	526		7	2.9	mg/Kg	1	11/20/19	EK	SW6010D
Thallium	ND		1.3	1.3	mg/Kg	1	11/20/19	EK	SW6010D
Vanadium	12.6		0.34	0.34	mg/Kg	1	11/20/19	EK	SW6010D
Zinc	62.2		0.7	0.34	mg/Kg	1	11/20/19	EK	SW6010D
Percent Solid	93				%		11/19/19	VT	SW846-%Solid
Soil Extraction for PCB	Completed						11/19/19	MM/LE	SW3545A
Soil Extraction for Pesticides	Completed						11/19/19	MM/LE	SW3545A
Soil Extraction for SVOA	Completed						11/19/19	BB/LE	SW3545A
Mercury Digestion	Completed						11/20/19	LS/LS	SW7471B

Project ID: I PARK 0118.28
Client ID: SB-12 (10-15)

Phoenix I.D.: CE63475

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Soil Extraction for Herbicide	Completed					11/19/19	J/D	SW8151A
Total Metals Digest	Completed					11/19/19	B/AG/BF	SW3050B
Chlorinated Herbicides								
2,4,5-T	ND	89	89	ug/Kg	10	11/20/19	JRB	SW8151A
2,4,5-TP (Silvex)	ND	89	89	ug/Kg	10	11/20/19	JRB	SW8151A
2,4-D	ND	180	180	ug/Kg	10	11/20/19	JRB	SW8151A
2,4-DB	ND	1800	1800	ug/Kg	10	11/20/19	JRB	SW8151A
Dalapon	ND	89	89	ug/Kg	10	11/20/19	JRB	SW8151A
Dicamba	ND	89	89	ug/Kg	10	11/20/19	JRB	SW8151A
Dichloroprop	ND	180	180	ug/Kg	10	11/20/19	JRB	SW8151A
Dinoseb	ND	180	180	ug/Kg	10	11/20/19	JRB	SW8151A
QA/QC Surrogates								
% DCAA	65			%	10	11/20/19	JRB	30 - 150 %
% DCAA (Confirmation)	65			%	10	11/20/19	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	71	71	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1221	ND	71	71	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1232	ND	71	71	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1242	ND	71	71	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1248	ND	71	71	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1254	200	71	71	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1260	ND	71	71	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1262	ND	71	71	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1268	ND	71	71	ug/Kg	2	11/20/19	SC	SW8082A
QA/QC Surrogates								
% DCBP	101			%	2	11/20/19	SC	30 - 150 %
% DCBP (Confirmation)	97			%	2	11/20/19	SC	30 - 150 %
% TCMX	94			%	2	11/20/19	SC	30 - 150 %
% TCMX (Confirmation)	94			%	2	11/20/19	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	11	2.1	2.1	ug/Kg	2	11/20/19	AW	SW8081B
4,4' -DDE	33	2.1	2.1	ug/Kg	2	11/20/19	AW	SW8081B
4,4' -DDT	6.8	2.1	2.1	ug/Kg	2	11/20/19	AW	SW8081B
a-BHC	ND	7.1	7.1	ug/Kg	2	11/20/19	AW	SW8081B
a-Chlordane	19	3.5	3.5	ug/Kg	2	11/20/19	AW	SW8081B
Aldrin	ND	3.5	3.5	ug/Kg	2	11/20/19	AW	SW8081B
b-BHC	ND	7.1	7.1	ug/Kg	2	11/20/19	AW	SW8081B
Chlordane	75	35	35	ug/Kg	2	11/20/19	AW	SW8081B
d-BHC	ND	7.1	7.1	ug/Kg	2	11/20/19	AW	SW8081B
Dieldrin	ND	3.5	3.5	ug/Kg	2	11/20/19	AW	SW8081B
Endosulfan I	ND	7.1	7.1	ug/Kg	2	11/20/19	AW	SW8081B
Endosulfan II	ND	7.1	7.1	ug/Kg	2	11/20/19	AW	SW8081B
Endosulfan sulfate	ND	7.1	7.1	ug/Kg	2	11/20/19	AW	SW8081B
Endrin	ND	7.1	7.1	ug/Kg	2	11/20/19	AW	SW8081B
Endrin aldehyde	ND	7.1	7.1	ug/Kg	2	11/20/19	AW	SW8081B
Endrin ketone	ND	7.1	7.1	ug/Kg	2	11/20/19	AW	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	11/20/19	AW	SW8081B

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
g-Chlordane	15		3.5	3.5	ug/Kg	2	11/20/19	AW	SW8081B	
Heptachlor	ND		7.1	7.1	ug/Kg	2	11/20/19	AW	SW8081B	
Heptachlor epoxide	ND		7.1	7.1	ug/Kg	2	11/20/19	AW	SW8081B	
Methoxychlor	ND		35	35	ug/Kg	2	11/20/19	AW	SW8081B	
Toxaphene	ND		140	140	ug/Kg	2	11/20/19	AW	SW8081B	
QA/QC Surrogates										
% DCBP	80				%	2	11/20/19	AW	30 - 150 %	
% DCBP (Confirmation)	76				%	2	11/20/19	AW	30 - 150 %	
% TCMX	70				%	2	11/20/19	AW	30 - 150 %	
% TCMX (Confirmation)	67				%	2	11/20/19	AW	30 - 150 %	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		9.6	1.9	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1,1-Trichloroethane	ND		9.6	0.96	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND		9.6	1.9	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1,2-Trichloroethane	ND		9.6	1.9	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1-Dichloroethane	ND		9.6	1.9	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1-Dichloroethene	ND		9.6	0.96	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1-Dichloropropene	ND		9.6	0.96	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		9.6	1.9	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,3-Trichloropropane	ND		9.6	0.96	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		9.6	1.9	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND		9.6	0.96	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		9.6	1.9	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dibromoethane	ND		9.6	0.96	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dichlorobenzene	ND		9.6	0.96	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dichloroethane	ND		9.6	0.96	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dichloropropane	ND		9.6	1.9	ug/Kg	1	11/20/19	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND		9.6	0.96	ug/Kg	1	11/20/19	JLI	SW8260C	
1,3-Dichlorobenzene	ND		9.6	0.96	ug/Kg	1	11/20/19	JLI	SW8260C	
1,3-Dichloropropane	ND		9.6	1.9	ug/Kg	1	11/20/19	JLI	SW8260C	
1,4-Dichlorobenzene	ND		9.6	0.96	ug/Kg	1	11/20/19	JLI	SW8260C	
2,2-Dichloropropane	ND		9.6	0.96	ug/Kg	1	11/20/19	JLI	SW8260C	
2-Chlorotoluene	ND		9.6	1.9	ug/Kg	1	11/20/19	JLI	SW8260C	
2-Hexanone	ND		48	9.6	ug/Kg	1	11/20/19	JLI	SW8260C	
2-Isopropyltoluene	ND		9.6	0.96	ug/Kg	1	11/20/19	JLI	SW8260C	1
4-Chlorotoluene	ND		9.6	0.96	ug/Kg	1	11/20/19	JLI	SW8260C	
4-Methyl-2-pentanone	ND		48	9.6	ug/Kg	1	11/20/19	JLI	SW8260C	
Acetone	16	JS	48	9.6	ug/Kg	1	11/20/19	JLI	SW8260C	
Acrylonitrile	ND		19	1.9	ug/Kg	1	11/20/19	JLI	SW8260C	
Benzene	ND		9.6	0.96	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromobenzene	ND		9.6	0.96	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromochloromethane	ND		9.6	0.96	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromodichloromethane	ND		9.6	1.9	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromoform	ND		9.6	1.9	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromomethane	ND		9.6	3.8	ug/Kg	1	11/20/19	JLI	SW8260C	
Carbon Disulfide	ND		9.6	1.9	ug/Kg	1	11/20/19	JLI	SW8260C	
Carbon tetrachloride	ND		9.6	1.9	ug/Kg	1	11/20/19	JLI	SW8260C	
Chlorobenzene	ND		9.6	0.96	ug/Kg	1	11/20/19	JLI	SW8260C	
Chloroethane	ND		9.6	0.96	ug/Kg	1	11/20/19	JLI	SW8260C	

Project ID: I PARK 0118.28
Client ID: SB-12 (10-15)

Phoenix I.D.: CE63475

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Chloroform	ND		9.6	0.96	ug/Kg	1	11/20/19	JLI	SW8260C	
Chloromethane	ND		9.6	1.9	ug/Kg	1	11/20/19	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		9.6	0.96	ug/Kg	1	11/20/19	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		9.6	0.96	ug/Kg	1	11/20/19	JLI	SW8260C	
Dibromochloromethane	ND		9.6	1.9	ug/Kg	1	11/20/19	JLI	SW8260C	
Dibromomethane	ND		9.6	1.9	ug/Kg	1	11/20/19	JLI	SW8260C	
Dichlorodifluoromethane	ND		9.6	0.96	ug/Kg	1	11/20/19	JLI	SW8260C	
Ethylbenzene	ND		9.6	0.96	ug/Kg	1	11/20/19	JLI	SW8260C	
Hexachlorobutadiene	ND		9.6	0.96	ug/Kg	1	11/20/19	JLI	SW8260C	
Isopropylbenzene	ND		9.6	0.96	ug/Kg	1	11/20/19	JLI	SW8260C	
m&p-Xylene	ND		9.6	1.9	ug/Kg	1	11/20/19	JLI	SW8260C	
Methyl Ethyl Ketone	ND		57	9.6	ug/Kg	1	11/20/19	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		19	1.9	ug/Kg	1	11/20/19	JLI	SW8260C	
Methylene chloride	ND		9.6	9.6	ug/Kg	1	11/20/19	JLI	SW8260C	
Naphthalene	2.8	J	9.6	1.9	ug/Kg	1	11/20/19	JLI	SW8260C	
n-Butylbenzene	ND		9.6	0.96	ug/Kg	1	11/20/19	JLI	SW8260C	
n-Propylbenzene	ND		9.6	1.9	ug/Kg	1	11/20/19	JLI	SW8260C	
o-Xylene	ND		9.6	1.9	ug/Kg	1	11/20/19	JLI	SW8260C	
p-Isopropyltoluene	ND		9.6	0.96	ug/Kg	1	11/20/19	JLI	SW8260C	
sec-Butylbenzene	ND		9.6	0.96	ug/Kg	1	11/20/19	JLI	SW8260C	
Styrene	ND		9.6	0.96	ug/Kg	1	11/20/19	JLI	SW8260C	
tert-Butylbenzene	ND		9.6	0.96	ug/Kg	1	11/20/19	JLI	SW8260C	
Tetrachloroethene	ND		9.6	1.9	ug/Kg	1	11/20/19	JLI	SW8260C	
Tetrahydrofuran (THF)	ND		19	4.8	ug/Kg	1	11/20/19	JLI	SW8260C	1
Toluene	ND		9.6	0.96	ug/Kg	1	11/20/19	JLI	SW8260C	
trans-1,2-Dichloroethene	ND		9.6	0.96	ug/Kg	1	11/20/19	JLI	SW8260C	
trans-1,3-Dichloropropene	ND		9.6	0.96	ug/Kg	1	11/20/19	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND		19	4.8	ug/Kg	1	11/20/19	JLI	SW8260C	
Trichloroethene	ND		9.6	0.96	ug/Kg	1	11/20/19	JLI	SW8260C	
Trichlorofluoromethane	ND		9.6	1.9	ug/Kg	1	11/20/19	JLI	SW8260C	
Trichlorotrifluoroethane	ND		9.6	0.96	ug/Kg	1	11/20/19	JLI	SW8260C	
Vinyl chloride	ND		9.6	0.96	ug/Kg	1	11/20/19	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	101				%	1	11/20/19	JLI	70 - 130 %	
% Bromofluorobenzene	88				%	1	11/20/19	JLI	70 - 130 %	
% Dibromofluoromethane	104				%	1	11/20/19	JLI	70 - 130 %	
% Toluene-d8	97				%	1	11/20/19	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND		250	120	ug/Kg	1	11/20/19	WB	SW8270D	
1,2,4-Trichlorobenzene	ND		250	110	ug/Kg	1	11/20/19	WB	SW8270D	
1,2-Dichlorobenzene	ND		250	100	ug/Kg	1	11/20/19	WB	SW8270D	
1,2-Diphenylhydrazine	ND		250	120	ug/Kg	1	11/20/19	WB	SW8270D	
1,3-Dichlorobenzene	ND		250	100	ug/Kg	1	11/20/19	WB	SW8270D	
1,4-Dichlorobenzene	ND		250	100	ug/Kg	1	11/20/19	WB	SW8270D	
2,4,5-Trichlorophenol	ND		250	190	ug/Kg	1	11/20/19	WB	SW8270D	
2,4,6-Trichlorophenol	ND		180	110	ug/Kg	1	11/20/19	WB	SW8270D	
2,4-Dichlorophenol	ND		180	120	ug/Kg	1	11/20/19	WB	SW8270D	
2,4-Dimethylphenol	ND		250	88	ug/Kg	1	11/20/19	WB	SW8270D	
2,4-Dinitrophenol	ND		250	250	ug/Kg	1	11/20/19	WB	SW8270D	

Project ID: I PARK 0118.28
Client ID: SB-12 (10-15)

Phoenix I.D.: CE63475

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dinitrotoluene	ND		180	140	ug/Kg	1	11/20/19	WB	SW8270D	
2,6-Dinitrotoluene	ND		180	110	ug/Kg	1	11/20/19	WB	SW8270D	
2-Chloronaphthalene	ND		250	100	ug/Kg	1	11/20/19	WB	SW8270D	
2-Chlorophenol	ND		250	100	ug/Kg	1	11/20/19	WB	SW8270D	
2-Methylnaphthalene	ND		250	110	ug/Kg	1	11/20/19	WB	SW8270D	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	1	11/20/19	WB	SW8270D	
2-Nitroaniline	ND		250	250	ug/Kg	1	11/20/19	WB	SW8270D	
2-Nitrophenol	ND		250	220	ug/Kg	1	11/20/19	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	1	11/20/19	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND		180	170	ug/Kg	1	11/20/19	WB	SW8270D	
3-Nitroaniline	ND		350	710	ug/Kg	1	11/20/19	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND		210	71	ug/Kg	1	11/20/19	WB	SW8270D	
4-Bromophenyl phenyl ether	ND		250	100	ug/Kg	1	11/20/19	WB	SW8270D	
4-Chloro-3-methylphenol	ND		250	120	ug/Kg	1	11/20/19	WB	SW8270D	
4-Chloroaniline	ND		280	160	ug/Kg	1	11/20/19	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	1	11/20/19	WB	SW8270D	
4-Nitroaniline	ND		350	120	ug/Kg	1	11/20/19	WB	SW8270D	
4-Nitrophenol	ND		350	160	ug/Kg	1	11/20/19	WB	SW8270D	
Acenaphthene	ND		250	110	ug/Kg	1	11/20/19	WB	SW8270D	
Acenaphthylene	ND		250	99	ug/Kg	1	11/20/19	WB	SW8270D	
Acetophenone	ND		250	110	ug/Kg	1	11/20/19	WB	SW8270D	
Aniline	ND		280	280	ug/Kg	1	11/20/19	WB	SW8270D	
Anthracene	ND		250	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benz(a)anthracene	ND		250	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benzidine	ND		350	210	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(a)pyrene	ND		180	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(b)fluoranthene	ND		250	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(ghi)perylene	ND		250	110	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(k)fluoranthene	ND		250	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benzoic acid	ND		1800	710	ug/Kg	1	11/20/19	WB	SW8270D	
Benzyl butyl phthalate	ND		250	91	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND		250	98	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-chloroethyl)ether	ND		180	96	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND		250	98	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	170	J	250	100	ug/Kg	1	11/20/19	WB	SW8270D	
Carbazole	ND		180	140	ug/Kg	1	11/20/19	WB	SW8270D	
Chrysene	ND		250	120	ug/Kg	1	11/20/19	WB	SW8270D	
Dibenz(a,h)anthracene	ND		180	110	ug/Kg	1	11/20/19	WB	SW8270D	
Dibenzofuran	ND		250	100	ug/Kg	1	11/20/19	WB	SW8270D	
Diethyl phthalate	ND		250	110	ug/Kg	1	11/20/19	WB	SW8270D	
Dimethylphthalate	ND		250	110	ug/Kg	1	11/20/19	WB	SW8270D	
Di-n-butylphthalate	ND		250	94	ug/Kg	1	11/20/19	WB	SW8270D	
Di-n-octylphthalate	ND		250	91	ug/Kg	1	11/20/19	WB	SW8270D	
Fluoranthene	ND		250	110	ug/Kg	1	11/20/19	WB	SW8270D	
Fluorene	ND		250	120	ug/Kg	1	11/20/19	WB	SW8270D	
Hexachlorobenzene	ND		180	100	ug/Kg	1	11/20/19	WB	SW8270D	
Hexachlorobutadiene	ND		250	130	ug/Kg	1	11/20/19	WB	SW8270D	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	1	11/20/19	WB	SW8270D	
Hexachloroethane	ND		180	110	ug/Kg	1	11/20/19	WB	SW8270D	

Project ID: I PARK 0118.28
Client ID: SB-12 (10-15)

Phoenix I.D.: CE63475

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	1	11/20/19	WB	SW8270D	
Isophorone	ND	180	99	ug/Kg	1	11/20/19	WB	SW8270D	
Naphthalene	ND	250	100	ug/Kg	1	11/20/19	WB	SW8270D	
Nitrobenzene	ND	180	120	ug/Kg	1	11/20/19	WB	SW8270D	
N-Nitrosodimethylamine	ND	250	100	ug/Kg	1	11/20/19	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND	180	110	ug/Kg	1	11/20/19	WB	SW8270D	
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	1	11/20/19	WB	SW8270D	
Pentachloronitrobenzene	ND	250	130	ug/Kg	1	11/20/19	WB	SW8270D	
Pentachlorophenol	ND	210	130	ug/Kg	1	11/20/19	WB	SW8270D	
Phenanthrene	ND	250	100	ug/Kg	1	11/20/19	WB	SW8270D	
Phenol	ND	250	110	ug/Kg	1	11/20/19	WB	SW8270D	
Pyrene	ND	250	120	ug/Kg	1	11/20/19	WB	SW8270D	
Pyridine	ND	250	87	ug/Kg	1	11/20/19	WB	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	67			%	1	11/20/19	WB	30 - 130 %	
% 2-Fluorobiphenyl	56			%	1	11/20/19	WB	30 - 130 %	
% 2-Fluorophenol	49			%	1	11/20/19	WB	30 - 130 %	
% Nitrobenzene-d5	55			%	1	11/20/19	WB	30 - 130 %	
% Phenol-d5	57			%	1	11/20/19	WB	30 - 130 %	
% Terphenyl-d14	54			%	1	11/20/19	WB	30 - 130 %	
Field Extraction	Completed					11/18/19		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 BRL=Below Reporting Level L=Biased Low J=Estimated Below RL 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:

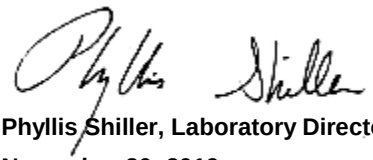
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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.

S - Laboratory solvent, contamination is possible.

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
November 20, 2019
Official Report Release To Follow

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 20, 2019

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:		11/18/19	13:15
Location Code:	WALDENE	Received by:	SW	11/19/19	16:42
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	IPARK0118.28				

Laboratory Data

SDG ID: GCE63471
Phoenix ID: CE63476

Project ID: I PARK 0118.28
Client ID: SB-13 (0-5)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Aluminum	17000	33	6.6	mg/Kg	10	11/20/19	EK	SW6010D
Antimony	ND	3.3	3.3	mg/Kg	1	11/20/19	MGH	SW6010D
Arsenic	6.50	0.66	0.66	mg/Kg	1	11/20/19	MGH	SW6010D
Barium	66.3	0.7	0.33	mg/Kg	1	11/20/19	MGH	SW6010D
Beryllium	0.62	0.26	0.13	mg/Kg	1	11/20/19	MGH	SW6010D
Calcium	458	3.3	3.0	mg/Kg	1	11/20/19	MGH	SW6010D
Cadmium	0.82	0.33	0.33	mg/Kg	1	11/20/19	MGH	SW6010D
Chromium	16.1	0.33	0.33	mg/Kg	1	11/20/19	MGH	SW6010D
Cobalt	12.9	0.33	0.33	mg/Kg	1	11/20/19	MGH	SW6010D
Copper	31.2	0.7	0.33	mg/kg	1	11/20/19	MGH	SW6010D
Iron	33000	33	33	mg/Kg	10	11/20/19	EK	SW6010D
Lead	13.4	0.7	0.33	mg/Kg	1	11/20/19	MGH	SW6010D
Magnesium	6340	33	33	mg/Kg	10	11/20/19	EK	SW6010D
Manganese	796	3.3	3.3	mg/Kg	10	11/20/19	EK	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	11/20/19	RS	SW7471B
Nickel	25.8	0.33	0.33	mg/Kg	1	11/20/19	MGH	SW6010D
Potassium	1670	66	26	mg/Kg	10	11/20/19	EK	SW6010D
Selenium	ND	1.3	1.1	mg/Kg	1	11/20/19	TH	SW6010D
Silver	ND	0.33	0.33	mg/Kg	1	11/20/19	MGH	SW6010D
Sodium	870	7	2.8	mg/Kg	1	11/20/19	MGH	SW6010D
Thallium	ND	1.3	1.3	mg/Kg	1	11/20/19	MGH	SW6010D
Vanadium	20.2	0.33	0.33	mg/Kg	1	11/20/19	MGH	SW6010D
Zinc	68.2	0.7	0.33	mg/Kg	1	11/20/19	MGH	SW6010D
Percent Solid	90			%		11/19/19	VT	SW846-%Solid
Soil Extraction for PCB	Completed					11/19/19	MM/E	SW3545A
Soil Extraction for PCB	Completed					11/19/19	MM/E	SW3545A
Soil Extraction for Pesticides	Completed					11/19/19	MM/E	SW3545A
Soil Extraction for SVOA	Completed					11/19/19	BB/LE	SW3545A

Project ID: I PARK 0118.28
Client ID: SB-13 (0-5)

Phoenix I.D.: CE63476

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					11/20/19	LS/LS	SW7471B
Soil Extraction for Herbicide	Completed					11/19/19	J/D	SW8151A
Total Metals Digest	Completed					11/19/19	B/AG/BF	SW3050B
Chlorinated Herbicides								
2,4,5-T	ND	92	92	ug/Kg	10	11/20/19	JRB	SW8151A
2,4,5-TP (Silvex)	ND	92	92	ug/Kg	10	11/20/19	JRB	SW8151A
2,4-D	ND	180	180	ug/Kg	10	11/20/19	JRB	SW8151A
2,4-DB	ND	1800	1800	ug/Kg	10	11/20/19	JRB	SW8151A
Dalapon	ND	92	92	ug/Kg	10	11/20/19	JRB	SW8151A
Dicamba	ND	92	92	ug/Kg	10	11/20/19	JRB	SW8151A
Dichloroprop	ND	180	180	ug/Kg	10	11/20/19	JRB	SW8151A
Dinoseb	ND	180	180	ug/Kg	10	11/20/19	JRB	SW8151A
QA/QC Surrogates								
% DCAA	55			%	10	11/20/19	JRB	30 - 150 %
% DCAA (Confirmation)	58			%	10	11/20/19	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	73	73	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1221	ND	73	73	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1232	ND	73	73	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1242	ND	73	73	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1248	ND	73	73	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1254	ND	73	73	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1260	ND	73	73	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1262	ND	73	73	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1268	ND	73	73	ug/Kg	2	11/20/19	SC	SW8082A
QA/QC Surrogates								
% DCBP	85			%	2	11/20/19	SC	30 - 150 %
% DCBP (Confirmation)	82			%	2	11/20/19	SC	30 - 150 %
% TCMX	74			%	2	11/20/19	SC	30 - 150 %
% TCMX (Confirmation)	75			%	2	11/20/19	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.2	2.2	ug/Kg	2	11/20/19	AW	SW8081B
4,4' -DDE	ND	2.2	2.2	ug/Kg	2	11/20/19	AW	SW8081B
4,4' -DDT	ND	2.2	2.2	ug/Kg	2	11/20/19	AW	SW8081B
a-BHC	ND	7.3	7.3	ug/Kg	2	11/20/19	AW	SW8081B
a-Chlordane	ND	3.7	3.7	ug/Kg	2	11/20/19	AW	SW8081B
Aldrin	ND	3.7	3.7	ug/Kg	2	11/20/19	AW	SW8081B
b-BHC	ND	7.3	7.3	ug/Kg	2	11/20/19	AW	SW8081B
Chlordane	ND	37	37	ug/Kg	2	11/20/19	AW	SW8081B
d-BHC	ND	7.3	7.3	ug/Kg	2	11/20/19	AW	SW8081B
Dieldrin	ND	3.7	3.7	ug/Kg	2	11/20/19	AW	SW8081B
Endosulfan I	ND	7.3	7.3	ug/Kg	2	11/20/19	AW	SW8081B
Endosulfan II	ND	7.3	7.3	ug/Kg	2	11/20/19	AW	SW8081B
Endosulfan sulfate	ND	7.3	7.3	ug/Kg	2	11/20/19	AW	SW8081B
Endrin	ND	7.3	7.3	ug/Kg	2	11/20/19	AW	SW8081B
Endrin aldehyde	ND	7.3	7.3	ug/Kg	2	11/20/19	AW	SW8081B
Endrin ketone	ND	7.3	7.3	ug/Kg	2	11/20/19	AW	SW8081B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
g-BHC	ND	1.5	1.5	ug/Kg	2	11/20/19	AW	SW8081B	
g-Chlordane	ND	3.7	3.7	ug/Kg	2	11/20/19	AW	SW8081B	
Heptachlor	ND	7.3	7.3	ug/Kg	2	11/20/19	AW	SW8081B	
Heptachlor epoxide	ND	7.3	7.3	ug/Kg	2	11/20/19	AW	SW8081B	
Methoxychlor	ND	37	37	ug/Kg	2	11/20/19	AW	SW8081B	
Toxaphene	ND	150	150	ug/Kg	2	11/20/19	AW	SW8081B	
QA/QC Surrogates									
% DCBP	71			%	2	11/20/19	AW	30 - 150 %	
% DCBP (Confirmation)	72			%	2	11/20/19	AW	30 - 150 %	
% TCMX	60			%	2	11/20/19	AW	30 - 150 %	
% TCMX (Confirmation)	59			%	2	11/20/19	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	5.9	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1,1-Trichloroethane	ND	5.9	0.59	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.9	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1,2-Trichloroethane	ND	5.9	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1-Dichloroethane	ND	5.9	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1-Dichloroethene	ND	5.9	0.59	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1-Dichloropropene	ND	5.9	0.59	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	5.9	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,3-Trichloropropane	ND	5.9	0.59	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	5.9	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	5.9	0.59	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	5.9	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dibromoethane	ND	5.9	0.59	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dichlorobenzene	ND	5.9	0.59	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dichloroethane	ND	5.9	0.59	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dichloropropane	ND	5.9	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	5.9	0.59	ug/Kg	1	11/20/19	JLI	SW8260C	
1,3-Dichlorobenzene	ND	5.9	0.59	ug/Kg	1	11/20/19	JLI	SW8260C	
1,3-Dichloropropane	ND	5.9	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
1,4-Dichlorobenzene	ND	5.9	0.59	ug/Kg	1	11/20/19	JLI	SW8260C	
2,2-Dichloropropane	ND	5.9	0.59	ug/Kg	1	11/20/19	JLI	SW8260C	
2-Chlorotoluene	ND	5.9	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
2-Hexanone	ND	30	5.9	ug/Kg	1	11/20/19	JLI	SW8260C	
2-Isopropyltoluene	ND	5.9	0.59	ug/Kg	1	11/20/19	JLI	SW8260C	1
4-Chlorotoluene	ND	5.9	0.59	ug/Kg	1	11/20/19	JLI	SW8260C	
4-Methyl-2-pentanone	ND	30	5.9	ug/Kg	1	11/20/19	JLI	SW8260C	
Acetone	ND	30	5.9	ug/Kg	1	11/20/19	JLI	SW8260C	
Acrylonitrile	ND	12	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Benzene	ND	5.9	0.59	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromobenzene	ND	5.9	0.59	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromochloromethane	ND	5.9	0.59	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromodichloromethane	ND	5.9	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromoform	ND	5.9	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromomethane	ND	5.9	2.4	ug/Kg	1	11/20/19	JLI	SW8260C	
Carbon Disulfide	ND	5.9	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Carbon tetrachloride	ND	5.9	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Chlorobenzene	ND	5.9	0.59	ug/Kg	1	11/20/19	JLI	SW8260C	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Chloroethane	ND	5.9	0.59	ug/Kg	1	11/20/19	JLI	SW8260C	
Chloroform	ND	5.9	0.59	ug/Kg	1	11/20/19	JLI	SW8260C	
Chloromethane	ND	5.9	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	5.9	0.59	ug/Kg	1	11/20/19	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	5.9	0.59	ug/Kg	1	11/20/19	JLI	SW8260C	
Dibromochloromethane	ND	5.9	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Dibromomethane	ND	5.9	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Dichlorodifluoromethane	ND	5.9	0.59	ug/Kg	1	11/20/19	JLI	SW8260C	
Ethylbenzene	ND	5.9	0.59	ug/Kg	1	11/20/19	JLI	SW8260C	
Hexachlorobutadiene	ND	5.9	0.59	ug/Kg	1	11/20/19	JLI	SW8260C	
Isopropylbenzene	ND	5.9	0.59	ug/Kg	1	11/20/19	JLI	SW8260C	
m&p-Xylene	ND	5.9	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Methyl Ethyl Ketone	ND	36	5.9	ug/Kg	1	11/20/19	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	12	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Methylene chloride	ND	5.9	5.9	ug/Kg	1	11/20/19	JLI	SW8260C	
Naphthalene	ND	5.9	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
n-Butylbenzene	ND	5.9	0.59	ug/Kg	1	11/20/19	JLI	SW8260C	
n-Propylbenzene	ND	5.9	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
o-Xylene	ND	5.9	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
p-Isopropyltoluene	ND	5.9	0.59	ug/Kg	1	11/20/19	JLI	SW8260C	
sec-Butylbenzene	ND	5.9	0.59	ug/Kg	1	11/20/19	JLI	SW8260C	
Styrene	ND	5.9	0.59	ug/Kg	1	11/20/19	JLI	SW8260C	
tert-Butylbenzene	ND	5.9	0.59	ug/Kg	1	11/20/19	JLI	SW8260C	
Tetrachloroethene	ND	5.9	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	12	3.0	ug/Kg	1	11/20/19	JLI	SW8260C	1
Toluene	ND	5.9	0.59	ug/Kg	1	11/20/19	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	5.9	0.59	ug/Kg	1	11/20/19	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	5.9	0.59	ug/Kg	1	11/20/19	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	12	3.0	ug/Kg	1	11/20/19	JLI	SW8260C	
Trichloroethene	ND	5.9	0.59	ug/Kg	1	11/20/19	JLI	SW8260C	
Trichlorofluoromethane	ND	5.9	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Trichlorotrifluoroethane	ND	5.9	0.59	ug/Kg	1	11/20/19	JLI	SW8260C	
Vinyl chloride	ND	5.9	0.59	ug/Kg	1	11/20/19	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	101			%	1	11/20/19	JLI	70 - 130 %	
% Bromofluorobenzene	98			%	1	11/20/19	JLI	70 - 130 %	
% Dibromofluoromethane	99			%	1	11/20/19	JLI	70 - 130 %	
% Toluene-d8	101			%	1	11/20/19	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	1	11/20/19	WB	SW8270D	
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	1	11/20/19	WB	SW8270D	
1,2-Dichlorobenzene	ND	250	100	ug/Kg	1	11/20/19	WB	SW8270D	
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	1	11/20/19	WB	SW8270D	
1,3-Dichlorobenzene	ND	250	110	ug/Kg	1	11/20/19	WB	SW8270D	
1,4-Dichlorobenzene	ND	250	110	ug/Kg	1	11/20/19	WB	SW8270D	
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	1	11/20/19	WB	SW8270D	
2,4,6-Trichlorophenol	ND	180	110	ug/Kg	1	11/20/19	WB	SW8270D	
2,4-Dichlorophenol	ND	180	130	ug/Kg	1	11/20/19	WB	SW8270D	
2,4-Dimethylphenol	ND	250	89	ug/Kg	1	11/20/19	WB	SW8270D	

Project ID: I PARK 0118.28
Client ID: SB-13 (0-5)

Phoenix I.D.: CE63476

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	11/20/19	WB	SW8270D	
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	11/20/19	WB	SW8270D	
2,6-Dinitrotoluene	ND	180	110	ug/Kg	1	11/20/19	WB	SW8270D	
2-Chloronaphthalene	ND	250	100	ug/Kg	1	11/20/19	WB	SW8270D	
2-Chlorophenol	ND	250	100	ug/Kg	1	11/20/19	WB	SW8270D	
2-Methylnaphthalene	ND	250	110	ug/Kg	1	11/20/19	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	11/20/19	WB	SW8270D	
2-Nitroaniline	ND	250	250	ug/Kg	1	11/20/19	WB	SW8270D	
2-Nitrophenol	ND	250	230	ug/Kg	1	11/20/19	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	11/20/19	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	11/20/19	WB	SW8270D	
3-Nitroaniline	ND	360	720	ug/Kg	1	11/20/19	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND	220	72	ug/Kg	1	11/20/19	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	1	11/20/19	WB	SW8270D	
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	1	11/20/19	WB	SW8270D	
4-Chloroaniline	ND	290	170	ug/Kg	1	11/20/19	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	11/20/19	WB	SW8270D	
4-Nitroaniline	ND	360	120	ug/Kg	1	11/20/19	WB	SW8270D	
4-Nitrophenol	ND	360	160	ug/Kg	1	11/20/19	WB	SW8270D	
Acenaphthene	ND	250	110	ug/Kg	1	11/20/19	WB	SW8270D	
Acenaphthylene	ND	250	100	ug/Kg	1	11/20/19	WB	SW8270D	
Acetophenone	ND	250	110	ug/Kg	1	11/20/19	WB	SW8270D	
Aniline	ND	290	290	ug/Kg	1	11/20/19	WB	SW8270D	
Anthracene	ND	250	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benz(a)anthracene	ND	250	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benzidine	ND	360	210	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(a)pyrene	ND	180	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(b)fluoranthene	ND	250	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(ghi)perylene	ND	250	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(k)fluoranthene	ND	250	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benzoic acid	ND	1800	720	ug/Kg	1	11/20/19	WB	SW8270D	
Benzyl butyl phthalate	ND	250	92	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	250	99	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	180	97	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND	250	100	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	11/20/19	WB	SW8270D	
Carbazole	ND	180	140	ug/Kg	1	11/20/19	WB	SW8270D	
Chrysene	ND	250	120	ug/Kg	1	11/20/19	WB	SW8270D	
Dibenz(a,h)anthracene	ND	180	120	ug/Kg	1	11/20/19	WB	SW8270D	
Dibenzofuran	ND	250	100	ug/Kg	1	11/20/19	WB	SW8270D	
Diethyl phthalate	ND	250	110	ug/Kg	1	11/20/19	WB	SW8270D	
Dimethylphthalate	ND	250	110	ug/Kg	1	11/20/19	WB	SW8270D	
Di-n-butylphthalate	ND	250	95	ug/Kg	1	11/20/19	WB	SW8270D	
Di-n-octylphthalate	ND	250	92	ug/Kg	1	11/20/19	WB	SW8270D	
Fluoranthene	ND	250	120	ug/Kg	1	11/20/19	WB	SW8270D	
Fluorene	ND	250	120	ug/Kg	1	11/20/19	WB	SW8270D	
Hexachlorobenzene	ND	180	100	ug/Kg	1	11/20/19	WB	SW8270D	
Hexachlorobutadiene	ND	250	130	ug/Kg	1	11/20/19	WB	SW8270D	
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	11/20/19	WB	SW8270D	

Project ID: I PARK 0118.28
Client ID: SB-13 (0-5)

Phoenix I.D.: CE63476

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Hexachloroethane	ND	180	110	ug/Kg	1	11/20/19	WB	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	1	11/20/19	WB	SW8270D	
Isophorone	ND	180	100	ug/Kg	1	11/20/19	WB	SW8270D	
Naphthalene	ND	250	100	ug/Kg	1	11/20/19	WB	SW8270D	
Nitrobenzene	ND	180	130	ug/Kg	1	11/20/19	WB	SW8270D	
N-Nitrosodimethylamine	ND	250	100	ug/Kg	1	11/20/19	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND	180	120	ug/Kg	1	11/20/19	WB	SW8270D	
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	1	11/20/19	WB	SW8270D	
Pentachloronitrobenzene	ND	250	130	ug/Kg	1	11/20/19	WB	SW8270D	
Pentachlorophenol	ND	220	140	ug/Kg	1	11/20/19	WB	SW8270D	
Phenanthrene	ND	250	100	ug/Kg	1	11/20/19	WB	SW8270D	
Phenol	ND	250	110	ug/Kg	1	11/20/19	WB	SW8270D	
Pyrene	ND	250	120	ug/Kg	1	11/20/19	WB	SW8270D	
Pyridine	ND	250	88	ug/Kg	1	11/20/19	WB	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	79			%	1	11/20/19	WB	30 - 130 %	
% 2-Fluorobiphenyl	65			%	1	11/20/19	WB	30 - 130 %	
% 2-Fluorophenol	62			%	1	11/20/19	WB	30 - 130 %	
% Nitrobenzene-d5	68			%	1	11/20/19	WB	30 - 130 %	
% Phenol-d5	70			%	1	11/20/19	WB	30 - 130 %	
% Terphenyl-d14	69			%	1	11/20/19	WB	30 - 130 %	
Field Extraction	Completed					11/18/19		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 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.

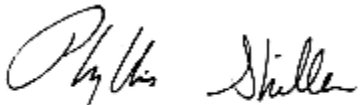
Comments:

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
November 20, 2019
Official Report Release To Follow

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 20, 2019

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:		11/18/19	13:15
Location Code:	WALDENE	Received by:	SW	11/19/19	16:42
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	IPARK0118.28				

Laboratory Data

SDG ID: GCE63471
Phoenix ID: CE63477

Project ID: I PARK 0118.28
Client ID: SB-13 (5-10)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Aluminum	14600	37	7.5	mg/Kg	10	11/20/19	EK	SW6010D
Antimony	ND	3.7	3.7	mg/Kg	1	11/20/19	MGH	SW6010D
Arsenic	7.14	0.75	0.75	mg/Kg	1	11/20/19	MGH	SW6010D
Barium	62.4	0.7	0.37	mg/Kg	1	11/20/19	MGH	SW6010D
Beryllium	0.68	0.30	0.15	mg/Kg	1	11/20/19	MGH	SW6010D
Calcium	4950	37	34	mg/Kg	10	11/20/19	EK	SW6010D
Cadmium	0.97	0.37	0.37	mg/Kg	1	11/20/19	MGH	SW6010D
Chromium	18.2	0.37	0.37	mg/Kg	1	11/20/19	MGH	SW6010D
Cobalt	12.2	0.37	0.37	mg/Kg	1	11/20/19	MGH	SW6010D
Copper	28.1	0.7	0.37	mg/kg	1	11/20/19	MGH	SW6010D
Iron	34700	37	37	mg/Kg	10	11/20/19	EK	SW6010D
Lead	13.5	0.7	0.37	mg/Kg	1	11/20/19	MGH	SW6010D
Magnesium	7700	37	37	mg/Kg	10	11/20/19	EK	SW6010D
Manganese	920	3.7	3.7	mg/Kg	10	11/20/19	EK	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	11/20/19	RS	SW7471B
Nickel	24.1	0.37	0.37	mg/Kg	1	11/20/19	MGH	SW6010D
Potassium	1640	75	29	mg/Kg	10	11/20/19	EK	SW6010D
Selenium	ND	1.5	1.3	mg/Kg	1	11/20/19	MGH	SW6010D
Silver	ND	0.37	0.37	mg/Kg	1	11/20/19	MGH	SW6010D
Sodium	762	7	3.2	mg/Kg	1	11/20/19	MGH	SW6010D
Thallium	ND	1.5	1.5	mg/Kg	1	11/20/19	MGH	SW6010D
Vanadium	23.2	0.37	0.37	mg/Kg	1	11/20/19	MGH	SW6010D
Zinc	64.1	0.7	0.37	mg/Kg	1	11/20/19	MGH	SW6010D
Percent Solid	88			%		11/19/19	VT	SW846-%Solid
Soil Extraction for PCB	Completed					11/19/19	MM/E	SW3545A
Soil Extraction for PCB	Completed					11/19/19	MM/E	SW3545A
Soil Extraction for Pesticides	Completed					11/19/19	MM/E	SW3545A
Soil Extraction for SVOA	Completed					11/19/19	BB/LE	SW3545A

Project ID: I PARK 0118.28
Client ID: SB-13 (5-10)

Phoenix I.D.: CE63477

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					11/20/19	LS/LS	SW7471B
Soil Extraction for Herbicide	Completed					11/19/19	J/D	SW8151A
Total Metals Digest	Completed					11/19/19	B/AG/BF	SW3050B
Chlorinated Herbicides								
2,4,5-T	ND	94	94	ug/Kg	10	11/20/19	JRB	SW8151A
2,4,5-TP (Silvex)	ND	94	94	ug/Kg	10	11/20/19	JRB	SW8151A
2,4-D	ND	190	190	ug/Kg	10	11/20/19	JRB	SW8151A
2,4-DB	ND	1900	1900	ug/Kg	10	11/20/19	JRB	SW8151A
Dalapon	ND	94	94	ug/Kg	10	11/20/19	JRB	SW8151A
Dicamba	ND	94	94	ug/Kg	10	11/20/19	JRB	SW8151A
Dichloroprop	ND	190	190	ug/Kg	10	11/20/19	JRB	SW8151A
Dinoseb	ND	190	190	ug/Kg	10	11/20/19	JRB	SW8151A
QA/QC Surrogates								
% DCAA	59			%	10	11/20/19	JRB	30 - 150 %
% DCAA (Confirmation)	52			%	10	11/20/19	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	75	75	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1221	ND	75	75	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1232	ND	75	75	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1242	ND	75	75	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1248	ND	75	75	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1254	ND	75	75	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1260	ND	75	75	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1262	ND	75	75	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1268	ND	75	75	ug/Kg	2	11/20/19	SC	SW8082A
QA/QC Surrogates								
% DCBP	90			%	2	11/20/19	SC	30 - 150 %
% DCBP (Confirmation)	102			%	2	11/20/19	SC	30 - 150 %
% TCMX	96			%	2	11/20/19	SC	30 - 150 %
% TCMX (Confirmation)	91			%	2	11/20/19	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.3	2.3	ug/Kg	2	11/20/19	AW	SW8081B
4,4' -DDE	ND	2.3	2.3	ug/Kg	2	11/20/19	AW	SW8081B
4,4' -DDT	ND	2.3	2.3	ug/Kg	2	11/20/19	AW	SW8081B
a-BHC	ND	7.5	7.5	ug/Kg	2	11/20/19	AW	SW8081B
a-Chlordane	ND	3.8	3.8	ug/Kg	2	11/20/19	AW	SW8081B
Aldrin	ND	3.8	3.8	ug/Kg	2	11/20/19	AW	SW8081B
b-BHC	ND	7.5	7.5	ug/Kg	2	11/20/19	AW	SW8081B
Chlordane	ND	38	38	ug/Kg	2	11/20/19	AW	SW8081B
d-BHC	ND	7.5	7.5	ug/Kg	2	11/20/19	AW	SW8081B
Dieldrin	ND	3.8	3.8	ug/Kg	2	11/20/19	AW	SW8081B
Endosulfan I	ND	7.5	7.5	ug/Kg	2	11/20/19	AW	SW8081B
Endosulfan II	ND	7.5	7.5	ug/Kg	2	11/20/19	AW	SW8081B
Endosulfan sulfate	ND	7.5	7.5	ug/Kg	2	11/20/19	AW	SW8081B
Endrin	ND	7.5	7.5	ug/Kg	2	11/20/19	AW	SW8081B
Endrin aldehyde	ND	7.5	7.5	ug/Kg	2	11/20/19	AW	SW8081B
Endrin ketone	ND	7.5	7.5	ug/Kg	2	11/20/19	AW	SW8081B

Project ID: I PARK 0118.28
Client ID: SB-13 (5-10)

Phoenix I.D.: CE63477

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
g-BHC	ND	1.5	1.5	ug/Kg	2	11/20/19	AW	SW8081B	
g-Chlordane	ND	3.8	3.8	ug/Kg	2	11/20/19	AW	SW8081B	
Heptachlor	ND	7.5	7.5	ug/Kg	2	11/20/19	AW	SW8081B	
Heptachlor epoxide	ND	7.5	7.5	ug/Kg	2	11/20/19	AW	SW8081B	
Methoxychlor	ND	38	38	ug/Kg	2	11/20/19	AW	SW8081B	
Toxaphene	ND	150	150	ug/Kg	2	11/20/19	AW	SW8081B	
QA/QC Surrogates									
% DCBP	57			%	2	11/20/19	AW	30 - 150 %	
% DCBP (Confirmation)	75			%	2	11/20/19	AW	30 - 150 %	
% TCMX	77			%	2	11/20/19	AW	30 - 150 %	
% TCMX (Confirmation)	74			%	2	11/20/19	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	5.1	1.0	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1,1-Trichloroethane	ND	5.1	0.51	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.1	1.0	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1,2-Trichloroethane	ND	5.1	1.0	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1-Dichloroethane	ND	5.1	1.0	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1-Dichloroethene	ND	5.1	0.51	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1-Dichloropropene	ND	5.1	0.51	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	5.1	1.0	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,3-Trichloropropane	ND	5.1	0.51	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	5.1	1.0	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	5.1	0.51	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	5.1	1.0	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dibromoethane	ND	5.1	0.51	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dichlorobenzene	ND	5.1	0.51	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dichloroethane	ND	5.1	0.51	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dichloropropane	ND	5.1	1.0	ug/Kg	1	11/20/19	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	5.1	0.51	ug/Kg	1	11/20/19	JLI	SW8260C	
1,3-Dichlorobenzene	ND	5.1	0.51	ug/Kg	1	11/20/19	JLI	SW8260C	
1,3-Dichloropropane	ND	5.1	1.0	ug/Kg	1	11/20/19	JLI	SW8260C	
1,4-Dichlorobenzene	ND	5.1	0.51	ug/Kg	1	11/20/19	JLI	SW8260C	
2,2-Dichloropropane	ND	5.1	0.51	ug/Kg	1	11/20/19	JLI	SW8260C	
2-Chlorotoluene	ND	5.1	1.0	ug/Kg	1	11/20/19	JLI	SW8260C	
2-Hexanone	ND	25	5.1	ug/Kg	1	11/20/19	JLI	SW8260C	
2-Isopropyltoluene	ND	5.1	0.51	ug/Kg	1	11/20/19	JLI	SW8260C	1
4-Chlorotoluene	ND	5.1	0.51	ug/Kg	1	11/20/19	JLI	SW8260C	
4-Methyl-2-pentanone	ND	25	5.1	ug/Kg	1	11/20/19	JLI	SW8260C	
Acetone	ND	25	5.1	ug/Kg	1	11/20/19	JLI	SW8260C	
Acrylonitrile	ND	10	1.0	ug/Kg	1	11/20/19	JLI	SW8260C	
Benzene	ND	5.1	0.51	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromobenzene	ND	5.1	0.51	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromochloromethane	ND	5.1	0.51	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromodichloromethane	ND	5.1	1.0	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromoform	ND	5.1	1.0	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromomethane	ND	5.1	2.0	ug/Kg	1	11/20/19	JLI	SW8260C	
Carbon Disulfide	ND	5.1	1.0	ug/Kg	1	11/20/19	JLI	SW8260C	
Carbon tetrachloride	ND	5.1	1.0	ug/Kg	1	11/20/19	JLI	SW8260C	
Chlorobenzene	ND	5.1	0.51	ug/Kg	1	11/20/19	JLI	SW8260C	

Project ID: I PARK 0118.28
Client ID: SB-13 (5-10)

Phoenix I.D.: CE63477

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Chloroethane	ND	5.1	0.51	ug/Kg	1	11/20/19	JLI	SW8260C	
Chloroform	ND	5.1	0.51	ug/Kg	1	11/20/19	JLI	SW8260C	
Chloromethane	ND	5.1	1.0	ug/Kg	1	11/20/19	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	5.1	0.51	ug/Kg	1	11/20/19	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	5.1	0.51	ug/Kg	1	11/20/19	JLI	SW8260C	
Dibromochloromethane	ND	5.1	1.0	ug/Kg	1	11/20/19	JLI	SW8260C	
Dibromomethane	ND	5.1	1.0	ug/Kg	1	11/20/19	JLI	SW8260C	
Dichlorodifluoromethane	ND	5.1	0.51	ug/Kg	1	11/20/19	JLI	SW8260C	
Ethylbenzene	ND	5.1	0.51	ug/Kg	1	11/20/19	JLI	SW8260C	
Hexachlorobutadiene	ND	5.1	0.51	ug/Kg	1	11/20/19	JLI	SW8260C	
Isopropylbenzene	ND	5.1	0.51	ug/Kg	1	11/20/19	JLI	SW8260C	
m&p-Xylene	ND	5.1	1.0	ug/Kg	1	11/20/19	JLI	SW8260C	
Methyl Ethyl Ketone	ND	30	5.1	ug/Kg	1	11/20/19	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	10	1.0	ug/Kg	1	11/20/19	JLI	SW8260C	
Methylene chloride	ND	5.1	5.1	ug/Kg	1	11/20/19	JLI	SW8260C	
Naphthalene	ND	5.1	1.0	ug/Kg	1	11/20/19	JLI	SW8260C	
n-Butylbenzene	ND	5.1	0.51	ug/Kg	1	11/20/19	JLI	SW8260C	
n-Propylbenzene	ND	5.1	1.0	ug/Kg	1	11/20/19	JLI	SW8260C	
o-Xylene	ND	5.1	1.0	ug/Kg	1	11/20/19	JLI	SW8260C	
p-Isopropyltoluene	ND	5.1	0.51	ug/Kg	1	11/20/19	JLI	SW8260C	
sec-Butylbenzene	ND	5.1	0.51	ug/Kg	1	11/20/19	JLI	SW8260C	
Styrene	ND	5.1	0.51	ug/Kg	1	11/20/19	JLI	SW8260C	
tert-Butylbenzene	ND	5.1	0.51	ug/Kg	1	11/20/19	JLI	SW8260C	
Tetrachloroethene	ND	5.1	1.0	ug/Kg	1	11/20/19	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	10	2.5	ug/Kg	1	11/20/19	JLI	SW8260C	1
Toluene	ND	5.1	0.51	ug/Kg	1	11/20/19	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	5.1	0.51	ug/Kg	1	11/20/19	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	5.1	0.51	ug/Kg	1	11/20/19	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	10	2.5	ug/Kg	1	11/20/19	JLI	SW8260C	
Trichloroethene	ND	5.1	0.51	ug/Kg	1	11/20/19	JLI	SW8260C	
Trichlorofluoromethane	ND	5.1	1.0	ug/Kg	1	11/20/19	JLI	SW8260C	
Trichlorotrifluoroethane	ND	5.1	0.51	ug/Kg	1	11/20/19	JLI	SW8260C	
Vinyl chloride	ND	5.1	0.51	ug/Kg	1	11/20/19	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100			%	1	11/20/19	JLI	70 - 130 %	
% Bromofluorobenzene	97			%	1	11/20/19	JLI	70 - 130 %	
% Dibromofluoromethane	101			%	1	11/20/19	JLI	70 - 130 %	
% Toluene-d8	100			%	1	11/20/19	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	11/20/19	WB	SW8270D	
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	1	11/20/19	WB	SW8270D	
1,2-Dichlorobenzene	ND	260	100	ug/Kg	1	11/20/19	WB	SW8270D	
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	1	11/20/19	WB	SW8270D	
1,3-Dichlorobenzene	ND	260	110	ug/Kg	1	11/20/19	WB	SW8270D	
1,4-Dichlorobenzene	ND	260	110	ug/Kg	1	11/20/19	WB	SW8270D	
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	1	11/20/19	WB	SW8270D	
2,4,6-Trichlorophenol	ND	180	120	ug/Kg	1	11/20/19	WB	SW8270D	
2,4-Dichlorophenol	ND	180	130	ug/Kg	1	11/20/19	WB	SW8270D	
2,4-Dimethylphenol	ND	260	91	ug/Kg	1	11/20/19	WB	SW8270D	

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	11/20/19	WB	SW8270D	
2,4-Dinitrotoluene	ND	180	150	ug/Kg	1	11/20/19	WB	SW8270D	
2,6-Dinitrotoluene	ND	180	120	ug/Kg	1	11/20/19	WB	SW8270D	
2-Chloronaphthalene	ND	260	100	ug/Kg	1	11/20/19	WB	SW8270D	
2-Chlorophenol	ND	260	100	ug/Kg	1	11/20/19	WB	SW8270D	
2-Methylnaphthalene	ND	260	110	ug/Kg	1	11/20/19	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	1	11/20/19	WB	SW8270D	
2-Nitroaniline	ND	260	260	ug/Kg	1	11/20/19	WB	SW8270D	
2-Nitrophenol	ND	260	230	ug/Kg	1	11/20/19	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	1	11/20/19	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	11/20/19	WB	SW8270D	
3-Nitroaniline	ND	370	740	ug/Kg	1	11/20/19	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND	220	74	ug/Kg	1	11/20/19	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	11/20/19	WB	SW8270D	
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	11/20/19	WB	SW8270D	
4-Chloroaniline	ND	300	170	ug/Kg	1	11/20/19	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	1	11/20/19	WB	SW8270D	
4-Nitroaniline	ND	370	120	ug/Kg	1	11/20/19	WB	SW8270D	
4-Nitrophenol	ND	370	170	ug/Kg	1	11/20/19	WB	SW8270D	
Acenaphthene	ND	260	110	ug/Kg	1	11/20/19	WB	SW8270D	
Acenaphthylene	ND	260	100	ug/Kg	1	11/20/19	WB	SW8270D	
Acetophenone	ND	260	120	ug/Kg	1	11/20/19	WB	SW8270D	
Aniline	ND	300	300	ug/Kg	1	11/20/19	WB	SW8270D	
Anthracene	ND	260	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benz(a)anthracene	ND	260	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benzidine	ND	370	220	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(a)pyrene	ND	180	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(b)fluoranthene	ND	260	130	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(ghi)perylene	ND	260	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(k)fluoranthene	ND	260	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benzoic acid	ND	1800	740	ug/Kg	1	11/20/19	WB	SW8270D	
Benzyl butyl phthalate	ND	260	95	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	180	100	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	1	11/20/19	WB	SW8270D	
Carbazole	ND	180	150	ug/Kg	1	11/20/19	WB	SW8270D	
Chrysene	ND	260	120	ug/Kg	1	11/20/19	WB	SW8270D	
Dibenz(a,h)anthracene	ND	180	120	ug/Kg	1	11/20/19	WB	SW8270D	
Dibenzofuran	ND	260	110	ug/Kg	1	11/20/19	WB	SW8270D	
Diethyl phthalate	ND	260	120	ug/Kg	1	11/20/19	WB	SW8270D	
Dimethylphthalate	ND	260	110	ug/Kg	1	11/20/19	WB	SW8270D	
Di-n-butylphthalate	ND	260	98	ug/Kg	1	11/20/19	WB	SW8270D	
Di-n-octylphthalate	ND	260	95	ug/Kg	1	11/20/19	WB	SW8270D	
Fluoranthene	ND	260	120	ug/Kg	1	11/20/19	WB	SW8270D	
Fluorene	ND	260	120	ug/Kg	1	11/20/19	WB	SW8270D	
Hexachlorobenzene	ND	180	110	ug/Kg	1	11/20/19	WB	SW8270D	
Hexachlorobutadiene	ND	260	130	ug/Kg	1	11/20/19	WB	SW8270D	
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	1	11/20/19	WB	SW8270D	

Project ID: I PARK 0118.28
Client ID: SB-13 (5-10)

Phoenix I.D.: CE63477

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Hexachloroethane	ND	180	110	ug/Kg	1	11/20/19	WB	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	1	11/20/19	WB	SW8270D	
Isophorone	ND	180	100	ug/Kg	1	11/20/19	WB	SW8270D	
Naphthalene	ND	260	110	ug/Kg	1	11/20/19	WB	SW8270D	
Nitrobenzene	ND	180	130	ug/Kg	1	11/20/19	WB	SW8270D	
N-Nitrosodimethylamine	ND	260	100	ug/Kg	1	11/20/19	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND	180	120	ug/Kg	1	11/20/19	WB	SW8270D	
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	1	11/20/19	WB	SW8270D	
Pentachloronitrobenzene	ND	260	140	ug/Kg	1	11/20/19	WB	SW8270D	
Pentachlorophenol	ND	220	140	ug/Kg	1	11/20/19	WB	SW8270D	
Phenanthrene	ND	260	110	ug/Kg	1	11/20/19	WB	SW8270D	
Phenol	ND	260	120	ug/Kg	1	11/20/19	WB	SW8270D	
Pyrene	ND	260	130	ug/Kg	1	11/20/19	WB	SW8270D	
Pyridine	ND	260	91	ug/Kg	1	11/20/19	WB	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	87			%	1	11/20/19	WB	30 - 130 %	
% 2-Fluorobiphenyl	69			%	1	11/20/19	WB	30 - 130 %	
% 2-Fluorophenol	71			%	1	11/20/19	WB	30 - 130 %	
% Nitrobenzene-d5	75			%	1	11/20/19	WB	30 - 130 %	
% Phenol-d5	82			%	1	11/20/19	WB	30 - 130 %	
% Terphenyl-d14	72			%	1	11/20/19	WB	30 - 130 %	
Field Extraction	Completed					11/18/19		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 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.

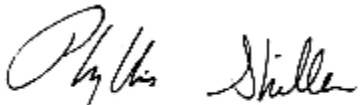
Comments:

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
November 20, 2019
Official Report Release To Follow

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 20, 2019

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:		11/18/19	13:15
Location Code:	WALDENE	Received by:	SW	11/19/19	16:42
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	IPARK0118.28				

Laboratory Data

SDG ID: GCE63471
Phoenix ID: CE63478

Project ID: I PARK 0118.28
Client ID: SB-13 (10-15)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Aluminum	8980	35	7.0	mg/Kg	10	11/20/19	EK	SW6010D
Antimony	ND	3.5	3.5	mg/Kg	1	11/20/19	MGH	SW6010D
Arsenic	5.35	0.70	0.70	mg/Kg	1	11/20/19	MGH	SW6010D
Barium	38.2	0.7	0.35	mg/Kg	1	11/20/19	MGH	SW6010D
Beryllium	0.33	0.28	0.14	mg/Kg	1	11/20/19	MGH	SW6010D
Calcium	46300	35	32	mg/Kg	10	11/20/19	EK	SW6010D
Cadmium	0.72	0.35	0.35	mg/Kg	1	11/20/19	MGH	SW6010D
Chromium	9.78	0.35	0.35	mg/Kg	1	11/20/19	MGH	SW6010D
Cobalt	9.14	0.35	0.35	mg/Kg	1	11/20/19	MGH	SW6010D
Copper	21.3	0.7	0.35	mg/kg	1	11/20/19	MGH	SW6010D
Iron	21500	35	35	mg/Kg	10	11/20/19	EK	SW6010D
Lead	9.6	0.7	0.35	mg/Kg	1	11/20/19	MGH	SW6010D
Magnesium	27600	35	35	mg/Kg	10	11/20/19	EK	SW6010D
Manganese	758	3.5	3.5	mg/Kg	10	11/20/19	EK	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	11/20/19	RS	SW7471B
Nickel	16.7	0.35	0.35	mg/Kg	1	11/20/19	MGH	SW6010D
Potassium	1020	70	27	mg/Kg	10	11/20/19	EK	SW6010D
Selenium	ND	1.4	1.2	mg/Kg	1	11/20/19	MGH	SW6010D
Silver	ND	0.35	0.35	mg/Kg	1	11/20/19	MGH	SW6010D
Sodium	656	7	3.0	mg/Kg	1	11/20/19	MGH	SW6010D
Thallium	ND	1.4	1.4	mg/Kg	1	11/20/19	MGH	SW6010D
Vanadium	11.4	0.35	0.35	mg/Kg	1	11/20/19	MGH	SW6010D
Zinc	48.3	0.7	0.35	mg/Kg	1	11/20/19	MGH	SW6010D
Percent Solid	91			%		11/19/19	VT	SW846-%Solid
Soil Extraction for PCB	Completed					11/19/19	MM/E	SW3545A
Soil Extraction for PCB	Completed					11/19/19	MM/E	SW3545A
Soil Extraction for Pesticides	Completed					11/19/19	MM/E	SW3545A
Soil Extraction for SVOA	Completed					11/19/19	BB/LE	SW3545A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					11/20/19	LS/LS	SW7471B
Soil Extraction for Herbicide	Completed					11/19/19	J/D	SW8151A
Total Metals Digest	Completed					11/19/19	B/AG/BF	SW3050B
Chlorinated Herbicides								
2,4,5-T	ND	90	90	ug/Kg	10	11/20/19	JRB	SW8151A
2,4,5-TP (Silvex)	ND	90	90	ug/Kg	10	11/20/19	JRB	SW8151A
2,4-D	ND	180	180	ug/Kg	10	11/20/19	JRB	SW8151A
2,4-DB	ND	1800	1800	ug/Kg	10	11/20/19	JRB	SW8151A
Dalapon	ND	90	90	ug/Kg	10	11/20/19	JRB	SW8151A
Dicamba	ND	90	90	ug/Kg	10	11/20/19	JRB	SW8151A
Dichloroprop	ND	180	180	ug/Kg	10	11/20/19	JRB	SW8151A
Dinoseb	ND	180	180	ug/Kg	10	11/20/19	JRB	SW8151A
QA/QC Surrogates								
% DCAA	66			%	10	11/20/19	JRB	30 - 150 %
% DCAA (Confirmation)	55			%	10	11/20/19	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	72	72	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1221	ND	72	72	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1232	ND	72	72	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1242	ND	72	72	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1248	ND	72	72	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1254	ND	72	72	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1260	ND	72	72	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1262	ND	72	72	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1268	ND	72	72	ug/Kg	2	11/20/19	SC	SW8082A
QA/QC Surrogates								
% DCBP	93			%	2	11/20/19	SC	30 - 150 %
% DCBP (Confirmation)	104			%	2	11/20/19	SC	30 - 150 %
% TCMX	91			%	2	11/20/19	SC	30 - 150 %
% TCMX (Confirmation)	87			%	2	11/20/19	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.2	2.2	ug/Kg	2	11/20/19	AW	SW8081B
4,4' -DDE	ND	2.2	2.2	ug/Kg	2	11/20/19	AW	SW8081B
4,4' -DDT	ND	2.2	2.2	ug/Kg	2	11/20/19	AW	SW8081B
a-BHC	ND	7.2	7.2	ug/Kg	2	11/20/19	AW	SW8081B
a-Chlordane	ND	3.6	3.6	ug/Kg	2	11/20/19	AW	SW8081B
Aldrin	ND	3.6	3.6	ug/Kg	2	11/20/19	AW	SW8081B
b-BHC	ND	7.2	7.2	ug/Kg	2	11/20/19	AW	SW8081B
Chlordane	ND	36	36	ug/Kg	2	11/20/19	AW	SW8081B
d-BHC	ND	7.2	7.2	ug/Kg	2	11/20/19	AW	SW8081B
Dieldrin	ND	3.6	3.6	ug/Kg	2	11/20/19	AW	SW8081B
Endosulfan I	ND	7.2	7.2	ug/Kg	2	11/20/19	AW	SW8081B
Endosulfan II	ND	7.2	7.2	ug/Kg	2	11/20/19	AW	SW8081B
Endosulfan sulfate	ND	7.2	7.2	ug/Kg	2	11/20/19	AW	SW8081B
Endrin	ND	7.2	7.2	ug/Kg	2	11/20/19	AW	SW8081B
Endrin aldehyde	ND	7.2	7.2	ug/Kg	2	11/20/19	AW	SW8081B
Endrin ketone	ND	7.2	7.2	ug/Kg	2	11/20/19	AW	SW8081B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
g-BHC	ND	1.4	1.4	ug/Kg	2	11/20/19	AW	SW8081B	
g-Chlordane	ND	3.6	3.6	ug/Kg	2	11/20/19	AW	SW8081B	
Heptachlor	ND	7.2	7.2	ug/Kg	2	11/20/19	AW	SW8081B	
Heptachlor epoxide	ND	7.2	7.2	ug/Kg	2	11/20/19	AW	SW8081B	
Methoxychlor	ND	36	36	ug/Kg	2	11/20/19	AW	SW8081B	
Toxaphene	ND	140	140	ug/Kg	2	11/20/19	AW	SW8081B	
QA/QC Surrogates									
% DCBP	53			%	2	11/20/19	AW	30 - 150 %	
% DCBP (Confirmation)	74			%	2	11/20/19	AW	30 - 150 %	
% TCMX	67			%	2	11/20/19	AW	30 - 150 %	
% TCMX (Confirmation)	63			%	2	11/20/19	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	4.3	0.86	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1,1-Trichloroethane	ND	4.3	0.43	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	4.3	0.86	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1,2-Trichloroethane	ND	4.3	0.86	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1-Dichloroethane	ND	4.3	0.86	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1-Dichloroethene	ND	4.3	0.43	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1-Dichloropropene	ND	4.3	0.43	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	4.3	0.86	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,3-Trichloropropane	ND	4.3	0.43	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	4.3	0.86	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	4.3	0.43	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	4.3	0.86	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dibromoethane	ND	4.3	0.43	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dichlorobenzene	ND	4.3	0.43	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dichloroethane	ND	4.3	0.43	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dichloropropane	ND	4.3	0.86	ug/Kg	1	11/20/19	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	4.3	0.43	ug/Kg	1	11/20/19	JLI	SW8260C	
1,3-Dichlorobenzene	ND	4.3	0.43	ug/Kg	1	11/20/19	JLI	SW8260C	
1,3-Dichloropropane	ND	4.3	0.86	ug/Kg	1	11/20/19	JLI	SW8260C	
1,4-Dichlorobenzene	ND	4.3	0.43	ug/Kg	1	11/20/19	JLI	SW8260C	
2,2-Dichloropropane	ND	4.3	0.43	ug/Kg	1	11/20/19	JLI	SW8260C	
2-Chlorotoluene	ND	4.3	0.86	ug/Kg	1	11/20/19	JLI	SW8260C	
2-Hexanone	ND	21	4.3	ug/Kg	1	11/20/19	JLI	SW8260C	
2-Isopropyltoluene	ND	4.3	0.43	ug/Kg	1	11/20/19	JLI	SW8260C	1
4-Chlorotoluene	ND	4.3	0.43	ug/Kg	1	11/20/19	JLI	SW8260C	
4-Methyl-2-pentanone	ND	21	4.3	ug/Kg	1	11/20/19	JLI	SW8260C	
Acetone	ND	21	4.3	ug/Kg	1	11/20/19	JLI	SW8260C	
Acrylonitrile	ND	8.6	0.86	ug/Kg	1	11/20/19	JLI	SW8260C	
Benzene	ND	4.3	0.43	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromobenzene	ND	4.3	0.43	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromochloromethane	ND	4.3	0.43	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromodichloromethane	ND	4.3	0.86	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromoform	ND	4.3	0.86	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromomethane	ND	4.3	1.7	ug/Kg	1	11/20/19	JLI	SW8260C	
Carbon Disulfide	ND	4.3	0.86	ug/Kg	1	11/20/19	JLI	SW8260C	
Carbon tetrachloride	ND	4.3	0.86	ug/Kg	1	11/20/19	JLI	SW8260C	
Chlorobenzene	ND	4.3	0.43	ug/Kg	1	11/20/19	JLI	SW8260C	

Project ID: I PARK 0118.28
Client ID: SB-13 (10-15)

Phoenix I.D.: CE63478

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Chloroethane	ND	4.3	0.43	ug/Kg	1	11/20/19	JLI	SW8260C	
Chloroform	ND	4.3	0.43	ug/Kg	1	11/20/19	JLI	SW8260C	
Chloromethane	ND	4.3	0.86	ug/Kg	1	11/20/19	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	4.3	0.43	ug/Kg	1	11/20/19	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	4.3	0.43	ug/Kg	1	11/20/19	JLI	SW8260C	
Dibromochloromethane	ND	4.3	0.86	ug/Kg	1	11/20/19	JLI	SW8260C	
Dibromomethane	ND	4.3	0.86	ug/Kg	1	11/20/19	JLI	SW8260C	
Dichlorodifluoromethane	ND	4.3	0.43	ug/Kg	1	11/20/19	JLI	SW8260C	
Ethylbenzene	ND	4.3	0.43	ug/Kg	1	11/20/19	JLI	SW8260C	
Hexachlorobutadiene	ND	4.3	0.43	ug/Kg	1	11/20/19	JLI	SW8260C	
Isopropylbenzene	ND	4.3	0.43	ug/Kg	1	11/20/19	JLI	SW8260C	
m&p-Xylene	ND	4.3	0.86	ug/Kg	1	11/20/19	JLI	SW8260C	
Methyl Ethyl Ketone	ND	26	4.3	ug/Kg	1	11/20/19	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	8.6	0.86	ug/Kg	1	11/20/19	JLI	SW8260C	
Methylene chloride	ND	4.3	4.3	ug/Kg	1	11/20/19	JLI	SW8260C	
Naphthalene	ND	4.3	0.86	ug/Kg	1	11/20/19	JLI	SW8260C	
n-Butylbenzene	ND	4.3	0.43	ug/Kg	1	11/20/19	JLI	SW8260C	
n-Propylbenzene	ND	4.3	0.86	ug/Kg	1	11/20/19	JLI	SW8260C	
o-Xylene	ND	4.3	0.86	ug/Kg	1	11/20/19	JLI	SW8260C	
p-Isopropyltoluene	ND	4.3	0.43	ug/Kg	1	11/20/19	JLI	SW8260C	
sec-Butylbenzene	ND	4.3	0.43	ug/Kg	1	11/20/19	JLI	SW8260C	
Styrene	ND	4.3	0.43	ug/Kg	1	11/20/19	JLI	SW8260C	
tert-Butylbenzene	ND	4.3	0.43	ug/Kg	1	11/20/19	JLI	SW8260C	
Tetrachloroethene	ND	4.3	0.86	ug/Kg	1	11/20/19	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	8.6	2.1	ug/Kg	1	11/20/19	JLI	SW8260C	1
Toluene	ND	4.3	0.43	ug/Kg	1	11/20/19	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	4.3	0.43	ug/Kg	1	11/20/19	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	4.3	0.43	ug/Kg	1	11/20/19	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	8.6	2.1	ug/Kg	1	11/20/19	JLI	SW8260C	
Trichloroethene	ND	4.3	0.43	ug/Kg	1	11/20/19	JLI	SW8260C	
Trichlorofluoromethane	ND	4.3	0.86	ug/Kg	1	11/20/19	JLI	SW8260C	
Trichlorotrifluoroethane	ND	4.3	0.43	ug/Kg	1	11/20/19	JLI	SW8260C	
Vinyl chloride	ND	4.3	0.43	ug/Kg	1	11/20/19	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	102			%	1	11/20/19	JLI	70 - 130 %	
% Bromofluorobenzene	96			%	1	11/20/19	JLI	70 - 130 %	
% Dibromofluoromethane	100			%	1	11/20/19	JLI	70 - 130 %	
% Toluene-d8	100			%	1	11/20/19	JLI	70 - 130 %	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	1	11/20/19	WB	SW8270D	
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	1	11/20/19	WB	SW8270D	
1,2-Dichlorobenzene	ND	250	100	ug/Kg	1	11/20/19	WB	SW8270D	
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	1	11/20/19	WB	SW8270D	
1,3-Dichlorobenzene	ND	250	110	ug/Kg	1	11/20/19	WB	SW8270D	
1,4-Dichlorobenzene	ND	250	110	ug/Kg	1	11/20/19	WB	SW8270D	
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	1	11/20/19	WB	SW8270D	
2,4,6-Trichlorophenol	ND	180	110	ug/Kg	1	11/20/19	WB	SW8270D	
2,4-Dichlorophenol	ND	180	130	ug/Kg	1	11/20/19	WB	SW8270D	
2,4-Dimethylphenol	ND	250	89	ug/Kg	1	11/20/19	WB	SW8270D	

Project ID: I PARK 0118.28
Client ID: SB-13 (10-15)

Phoenix I.D.: CE63478

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dinitrophenol	ND		250	250	ug/Kg	1	11/20/19	WB	SW8270D	
2,4-Dinitrotoluene	ND		180	140	ug/Kg	1	11/20/19	WB	SW8270D	
2,6-Dinitrotoluene	ND		180	110	ug/Kg	1	11/20/19	WB	SW8270D	
2-Chloronaphthalene	ND		250	100	ug/Kg	1	11/20/19	WB	SW8270D	
2-Chlorophenol	ND		250	100	ug/Kg	1	11/20/19	WB	SW8270D	
2-Methylnaphthalene	ND		250	110	ug/Kg	1	11/20/19	WB	SW8270D	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	1	11/20/19	WB	SW8270D	
2-Nitroaniline	ND		250	250	ug/Kg	1	11/20/19	WB	SW8270D	
2-Nitrophenol	ND		250	230	ug/Kg	1	11/20/19	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	1	11/20/19	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND		180	170	ug/Kg	1	11/20/19	WB	SW8270D	
3-Nitroaniline	ND		360	720	ug/Kg	1	11/20/19	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND		220	72	ug/Kg	1	11/20/19	WB	SW8270D	
4-Bromophenyl phenyl ether	ND		250	110	ug/Kg	1	11/20/19	WB	SW8270D	
4-Chloro-3-methylphenol	ND		250	130	ug/Kg	1	11/20/19	WB	SW8270D	
4-Chloroaniline	ND		290	170	ug/Kg	1	11/20/19	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	1	11/20/19	WB	SW8270D	
4-Nitroaniline	ND		360	120	ug/Kg	1	11/20/19	WB	SW8270D	
4-Nitrophenol	ND		360	160	ug/Kg	1	11/20/19	WB	SW8270D	
Acenaphthene	ND		250	110	ug/Kg	1	11/20/19	WB	SW8270D	
Acenaphthylene	ND		250	100	ug/Kg	1	11/20/19	WB	SW8270D	
Acetophenone	ND		250	110	ug/Kg	1	11/20/19	WB	SW8270D	
Aniline	ND		290	290	ug/Kg	1	11/20/19	WB	SW8270D	
Anthracene	ND		250	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benz(a)anthracene	ND		250	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benzidine	ND		360	210	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(a)pyrene	ND		180	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(b)fluoranthene	ND		250	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(ghi)perylene	190	J	250	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(k)fluoranthene	ND		250	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benzoic acid	ND		1800	720	ug/Kg	1	11/20/19	WB	SW8270D	
Benzyl butyl phthalate	ND		250	93	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND		250	99	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-chloroethyl)ether	ND		180	97	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND		250	100	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	1	11/20/19	WB	SW8270D	
Carbazole	ND		180	140	ug/Kg	1	11/20/19	WB	SW8270D	
Chrysene	ND		250	120	ug/Kg	1	11/20/19	WB	SW8270D	
Dibenz(a,h)anthracene	180		180	120	ug/Kg	1	11/20/19	WB	SW8270D	
Dibenzofuran	ND		250	100	ug/Kg	1	11/20/19	WB	SW8270D	
Diethyl phthalate	ND		250	110	ug/Kg	1	11/20/19	WB	SW8270D	
Dimethylphthalate	ND		250	110	ug/Kg	1	11/20/19	WB	SW8270D	
Di-n-butylphthalate	ND		250	96	ug/Kg	1	11/20/19	WB	SW8270D	
Di-n-octylphthalate	ND		250	93	ug/Kg	1	11/20/19	WB	SW8270D	
Fluoranthene	ND		250	120	ug/Kg	1	11/20/19	WB	SW8270D	
Fluorene	ND		250	120	ug/Kg	1	11/20/19	WB	SW8270D	
Hexachlorobenzene	ND		180	100	ug/Kg	1	11/20/19	WB	SW8270D	
Hexachlorobutadiene	ND		250	130	ug/Kg	1	11/20/19	WB	SW8270D	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	1	11/20/19	WB	SW8270D	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Hexachloroethane	ND		180	110	ug/Kg	1	11/20/19	WB	SW8270D	
Indeno(1,2,3-cd)pyrene	170	J	250	120	ug/Kg	1	11/20/19	WB	SW8270D	
Isophorone	ND		180	100	ug/Kg	1	11/20/19	WB	SW8270D	
Naphthalene	ND		250	100	ug/Kg	1	11/20/19	WB	SW8270D	
Nitrobenzene	ND		180	130	ug/Kg	1	11/20/19	WB	SW8270D	
N-Nitrosodimethylamine	ND		250	100	ug/Kg	1	11/20/19	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND		180	120	ug/Kg	1	11/20/19	WB	SW8270D	
N-Nitrosodiphenylamine	ND		250	140	ug/Kg	1	11/20/19	WB	SW8270D	
Pentachloronitrobenzene	ND		250	130	ug/Kg	1	11/20/19	WB	SW8270D	
Pentachlorophenol	ND		220	140	ug/Kg	1	11/20/19	WB	SW8270D	
Phenanthrene	ND		250	100	ug/Kg	1	11/20/19	WB	SW8270D	
Phenol	ND		250	110	ug/Kg	1	11/20/19	WB	SW8270D	
Pyrene	ND		250	120	ug/Kg	1	11/20/19	WB	SW8270D	
Pyridine	ND		250	88	ug/Kg	1	11/20/19	WB	SW8270D	
QA/QC Surrogates										
% 2,4,6-Tribromophenol	65				%	1	11/20/19	WB	30 - 130 %	
% 2-Fluorobiphenyl	63				%	1	11/20/19	WB	30 - 130 %	
% 2-Fluorophenol	59				%	1	11/20/19	WB	30 - 130 %	
% Nitrobenzene-d5	60				%	1	11/20/19	WB	30 - 130 %	
% Phenol-d5	64				%	1	11/20/19	WB	30 - 130 %	
% Terphenyl-d14	63				%	1	11/20/19	WB	30 - 130 %	
Field Extraction	Completed						11/18/19		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 BRL=Below Reporting Level L=Biased Low J=Estimated Below RL 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:

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.

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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
November 20, 2019
Official Report Release To Follow

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

NY # 11301

Analysis Report

November 20, 2019

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:		11/18/19	14:15
Location Code:	WALDENE	Received by:	SW	11/19/19	16:42
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	IPARK0118.28				

Laboratory Data

SDG ID: GCE63471
Phoenix ID: CE63479

Project ID: I PARK 0118.28
Client ID: SB-16 (0-5)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Aluminum	25300	350	69	mg/Kg	100	11/20/19	TH	SW6010D
Antimony	ND	3.5	3.5	mg/Kg	1	11/20/19	MGH	SW6010D
Arsenic	5.30	0.69	0.69	mg/Kg	1	11/20/19	MGH	SW6010D
Barium	119	0.7	0.35	mg/Kg	1	11/20/19	MGH	SW6010D
Beryllium	0.96	0.28	0.14	mg/Kg	1	11/20/19	MGH	SW6010D
Calcium	2160	35	32	mg/Kg	10	11/20/19	EK	SW6010D
Cadmium	0.80	0.35	0.35	mg/Kg	1	11/20/19	MGH	SW6010D
Chromium	30.7	0.35	0.35	mg/Kg	1	11/20/19	MGH	SW6010D
Cobalt	12.4	0.35	0.35	mg/Kg	1	11/20/19	MGH	SW6010D
Copper	26.4	0.7	0.35	mg/kg	1	11/20/19	MGH	SW6010D
Iron	35900	35	35	mg/Kg	10	11/20/19	EK	SW6010D
Lead	21.0	6.9	3.5	mg/Kg	10	11/20/19	EK	SW6010D
Magnesium	6050	35	35	mg/Kg	10	11/20/19	EK	SW6010D
Manganese	1110	3.5	3.5	mg/Kg	10	11/20/19	EK	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	11/20/19	RS	SW7471B
Nickel	24.5	0.35	0.35	mg/Kg	1	11/20/19	MGH	SW6010D
Potassium	1310	69	27	mg/Kg	10	11/20/19	EK	SW6010D
Selenium	ND	1.4	1.2	mg/Kg	1	11/20/19	TH	SW6010D
Silver	ND	0.35	0.35	mg/Kg	1	11/20/19	MGH	SW6010D
Sodium	190	7	3.0	mg/Kg	1	11/20/19	MGH	SW6010D
Thallium	ND	1.4	1.4	mg/Kg	1	11/20/19	MGH	SW6010D
Vanadium	27.3	0.35	0.35	mg/Kg	1	11/20/19	MGH	SW6010D
Zinc	71.0	0.7	0.35	mg/Kg	1	11/20/19	MGH	SW6010D
Percent Solid	90			%		11/19/19	VT	SW846-%Solid
Soil Extraction for PCB	Completed					11/19/19	MM/E	SW3545A
Soil Extraction for PCB	Completed					11/19/19	MM/E	SW3545A
Soil Extraction for Pesticides	Completed					11/19/19	MM/E	SW3545A
Soil Extraction for SVOA	Completed					11/19/19	BB/LE	SW3545A

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					11/20/19	LS/LS	SW7471B
Soil Extraction for Herbicide	Completed					11/19/19	J/D	SW8151A
Total Metals Digest	Completed					11/19/19	B/AG/BF	SW3050B
Chlorinated Herbicides								
2,4,5-T	ND	92	92	ug/Kg	10	11/20/19	JRB	SW8151A
2,4,5-TP (Silvex)	ND	92	92	ug/Kg	10	11/20/19	JRB	SW8151A
2,4-D	ND	180	180	ug/Kg	10	11/20/19	JRB	SW8151A
2,4-DB	ND	1800	1800	ug/Kg	10	11/20/19	JRB	SW8151A
Dalapon	ND	92	92	ug/Kg	10	11/20/19	JRB	SW8151A
Dicamba	ND	92	92	ug/Kg	10	11/20/19	JRB	SW8151A
Dichloroprop	ND	180	180	ug/Kg	10	11/20/19	JRB	SW8151A
Dinoseb	ND	180	180	ug/Kg	10	11/20/19	JRB	SW8151A
QA/QC Surrogates								
% DCAA	70			%	10	11/20/19	JRB	30 - 150 %
% DCAA (Confirmation)	56			%	10	11/20/19	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	74	74	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1221	ND	74	74	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1232	ND	74	74	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1242	ND	74	74	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1248	ND	74	74	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1254	ND	74	74	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1260	ND	74	74	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1262	ND	74	74	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1268	ND	74	74	ug/Kg	2	11/20/19	SC	SW8082A
QA/QC Surrogates								
% DCBP	89			%	2	11/20/19	SC	30 - 150 %
% DCBP (Confirmation)	102			%	2	11/20/19	SC	30 - 150 %
% TCMX	90			%	2	11/20/19	SC	30 - 150 %
% TCMX (Confirmation)	85			%	2	11/20/19	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	5.3	2.2	2.2	ug/Kg	2	11/20/19	AW	SW8081B
4,4' -DDE	10	2.2	2.2	ug/Kg	2	11/20/19	AW	SW8081B
4,4' -DDT	2.5	2.2	2.2	ug/Kg	2	11/20/19	AW	SW8081B
a-BHC	ND	7.4	7.4	ug/Kg	2	11/20/19	AW	SW8081B
a-Chlordane	ND	15	15	ug/Kg	2	11/20/19	AW	SW8081B
Aldrin	ND	3.7	3.7	ug/Kg	2	11/20/19	AW	SW8081B
b-BHC	ND	7.4	7.4	ug/Kg	2	11/20/19	AW	SW8081B
Chlordane	ND	37	37	ug/Kg	2	11/20/19	AW	SW8081B
d-BHC	ND	7.4	7.4	ug/Kg	2	11/20/19	AW	SW8081B
Dieldrin	10	3.7	3.7	ug/Kg	2	11/20/19	AW	SW8081B
Endosulfan I	ND	7.4	7.4	ug/Kg	2	11/20/19	AW	SW8081B
Endosulfan II	ND	7.4	7.4	ug/Kg	2	11/20/19	AW	SW8081B
Endosulfan sulfate	ND	7.4	7.4	ug/Kg	2	11/20/19	AW	SW8081B
Endrin	ND	7.4	7.4	ug/Kg	2	11/20/19	AW	SW8081B
Endrin aldehyde	ND	7.4	7.4	ug/Kg	2	11/20/19	AW	SW8081B
Endrin ketone	ND	7.4	7.4	ug/Kg	2	11/20/19	AW	SW8081B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
g-BHC	ND	1.5	1.5	ug/Kg	2	11/20/19	AW	SW8081B	
g-Chlordane	ND	3.7	3.7	ug/Kg	2	11/20/19	AW	SW8081B	
Heptachlor	ND	7.4	7.4	ug/Kg	2	11/20/19	AW	SW8081B	
Heptachlor epoxide	ND	7.4	7.4	ug/Kg	2	11/20/19	AW	SW8081B	
Methoxychlor	ND	37	37	ug/Kg	2	11/20/19	AW	SW8081B	
Toxaphene	ND	150	150	ug/Kg	2	11/20/19	AW	SW8081B	
QA/QC Surrogates									
% DCBP	60			%	2	11/20/19	AW	30 - 150 %	
% DCBP (Confirmation)	80			%	2	11/20/19	AW	30 - 150 %	
% TCMX	70			%	2	11/20/19	AW	30 - 150 %	
% TCMX (Confirmation)	69			%	2	11/20/19	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	7.2	1.4	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1,1-Trichloroethane	ND	7.2	0.72	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	7.2	1.4	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1,2-Trichloroethane	ND	7.2	1.4	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1-Dichloroethane	ND	7.2	1.4	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1-Dichloroethene	ND	7.2	0.72	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1-Dichloropropene	ND	7.2	0.72	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	7.2	1.4	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,3-Trichloropropane	ND	7.2	0.72	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	7.2	1.4	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	7.2	0.72	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	7.2	1.4	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dibromoethane	ND	7.2	0.72	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dichlorobenzene	ND	7.2	0.72	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dichloroethane	ND	7.2	0.72	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dichloropropane	ND	7.2	1.4	ug/Kg	1	11/20/19	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	7.2	0.72	ug/Kg	1	11/20/19	JLI	SW8260C	
1,3-Dichlorobenzene	ND	7.2	0.72	ug/Kg	1	11/20/19	JLI	SW8260C	
1,3-Dichloropropane	ND	7.2	1.4	ug/Kg	1	11/20/19	JLI	SW8260C	
1,4-Dichlorobenzene	ND	7.2	0.72	ug/Kg	1	11/20/19	JLI	SW8260C	
2,2-Dichloropropane	ND	7.2	0.72	ug/Kg	1	11/20/19	JLI	SW8260C	
2-Chlorotoluene	ND	7.2	1.4	ug/Kg	1	11/20/19	JLI	SW8260C	
2-Hexanone	ND	36	7.2	ug/Kg	1	11/20/19	JLI	SW8260C	
2-Isopropyltoluene	ND	7.2	0.72	ug/Kg	1	11/20/19	JLI	SW8260C	1
4-Chlorotoluene	ND	7.2	0.72	ug/Kg	1	11/20/19	JLI	SW8260C	
4-Methyl-2-pentanone	ND	36	7.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Acetone	ND	36	7.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Acrylonitrile	ND	14	1.4	ug/Kg	1	11/20/19	JLI	SW8260C	
Benzene	ND	7.2	0.72	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromobenzene	ND	7.2	0.72	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromochloromethane	ND	7.2	0.72	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromodichloromethane	ND	7.2	1.4	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromoform	ND	7.2	1.4	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromomethane	ND	7.2	2.9	ug/Kg	1	11/20/19	JLI	SW8260C	
Carbon Disulfide	ND	7.2	1.4	ug/Kg	1	11/20/19	JLI	SW8260C	
Carbon tetrachloride	ND	7.2	1.4	ug/Kg	1	11/20/19	JLI	SW8260C	
Chlorobenzene	ND	7.2	0.72	ug/Kg	1	11/20/19	JLI	SW8260C	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Chloroethane	ND	7.2	0.72	ug/Kg	1	11/20/19	JLI	SW8260C	
Chloroform	ND	7.2	0.72	ug/Kg	1	11/20/19	JLI	SW8260C	
Chloromethane	ND	7.2	1.4	ug/Kg	1	11/20/19	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	7.2	0.72	ug/Kg	1	11/20/19	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	7.2	0.72	ug/Kg	1	11/20/19	JLI	SW8260C	
Dibromochloromethane	ND	7.2	1.4	ug/Kg	1	11/20/19	JLI	SW8260C	
Dibromomethane	ND	7.2	1.4	ug/Kg	1	11/20/19	JLI	SW8260C	
Dichlorodifluoromethane	ND	7.2	0.72	ug/Kg	1	11/20/19	JLI	SW8260C	
Ethylbenzene	ND	7.2	0.72	ug/Kg	1	11/20/19	JLI	SW8260C	
Hexachlorobutadiene	ND	7.2	0.72	ug/Kg	1	11/20/19	JLI	SW8260C	
Isopropylbenzene	ND	7.2	0.72	ug/Kg	1	11/20/19	JLI	SW8260C	
m&p-Xylene	ND	7.2	1.4	ug/Kg	1	11/20/19	JLI	SW8260C	
Methyl Ethyl Ketone	ND	43	7.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	14	1.4	ug/Kg	1	11/20/19	JLI	SW8260C	
Methylene chloride	ND	7.2	7.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Naphthalene	ND	7.2	1.4	ug/Kg	1	11/20/19	JLI	SW8260C	
n-Butylbenzene	ND	7.2	0.72	ug/Kg	1	11/20/19	JLI	SW8260C	
n-Propylbenzene	ND	7.2	1.4	ug/Kg	1	11/20/19	JLI	SW8260C	
o-Xylene	ND	7.2	1.4	ug/Kg	1	11/20/19	JLI	SW8260C	
p-Isopropyltoluene	ND	7.2	0.72	ug/Kg	1	11/20/19	JLI	SW8260C	
sec-Butylbenzene	ND	7.2	0.72	ug/Kg	1	11/20/19	JLI	SW8260C	
Styrene	ND	7.2	0.72	ug/Kg	1	11/20/19	JLI	SW8260C	
tert-Butylbenzene	ND	7.2	0.72	ug/Kg	1	11/20/19	JLI	SW8260C	
Tetrachloroethene	ND	7.2	1.4	ug/Kg	1	11/20/19	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	14	3.6	ug/Kg	1	11/20/19	JLI	SW8260C	1
Toluene	ND	7.2	0.72	ug/Kg	1	11/20/19	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	7.2	0.72	ug/Kg	1	11/20/19	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	7.2	0.72	ug/Kg	1	11/20/19	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	14	3.6	ug/Kg	1	11/20/19	JLI	SW8260C	
Trichloroethene	ND	7.2	0.72	ug/Kg	1	11/20/19	JLI	SW8260C	
Trichlorofluoromethane	ND	7.2	1.4	ug/Kg	1	11/20/19	JLI	SW8260C	
Trichlorotrifluoroethane	ND	7.2	0.72	ug/Kg	1	11/20/19	JLI	SW8260C	
Vinyl chloride	ND	7.2	0.72	ug/Kg	1	11/20/19	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	101			%	1	11/20/19	JLI	70 - 130 %	
% Bromofluorobenzene	98			%	1	11/20/19	JLI	70 - 130 %	
% Dibromofluoromethane	103			%	1	11/20/19	JLI	70 - 130 %	
% Toluene-d8	100			%	1	11/20/19	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	1	11/20/19	WB	SW8270D	
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	1	11/20/19	WB	SW8270D	
1,2-Dichlorobenzene	ND	250	100	ug/Kg	1	11/20/19	WB	SW8270D	
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	1	11/20/19	WB	SW8270D	
1,3-Dichlorobenzene	ND	250	110	ug/Kg	1	11/20/19	WB	SW8270D	
1,4-Dichlorobenzene	ND	250	110	ug/Kg	1	11/20/19	WB	SW8270D	
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	1	11/20/19	WB	SW8270D	
2,4,6-Trichlorophenol	ND	180	120	ug/Kg	1	11/20/19	WB	SW8270D	
2,4-Dichlorophenol	ND	180	130	ug/Kg	1	11/20/19	WB	SW8270D	
2,4-Dimethylphenol	ND	250	90	ug/Kg	1	11/20/19	WB	SW8270D	

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Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dinitrophenol	ND		250	250	ug/Kg	1	11/20/19	WB	SW8270D	
2,4-Dinitrotoluene	ND		180	140	ug/Kg	1	11/20/19	WB	SW8270D	
2,6-Dinitrotoluene	ND		180	110	ug/Kg	1	11/20/19	WB	SW8270D	
2-Chloronaphthalene	ND		250	100	ug/Kg	1	11/20/19	WB	SW8270D	
2-Chlorophenol	ND		250	100	ug/Kg	1	11/20/19	WB	SW8270D	
2-Methylnaphthalene	ND		250	110	ug/Kg	1	11/20/19	WB	SW8270D	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	1	11/20/19	WB	SW8270D	
2-Nitroaniline	ND		250	250	ug/Kg	1	11/20/19	WB	SW8270D	
2-Nitrophenol	ND		250	230	ug/Kg	1	11/20/19	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	1	11/20/19	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND		180	170	ug/Kg	1	11/20/19	WB	SW8270D	
3-Nitroaniline	ND		360	720	ug/Kg	1	11/20/19	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND		220	72	ug/Kg	1	11/20/19	WB	SW8270D	
4-Bromophenyl phenyl ether	ND		250	110	ug/Kg	1	11/20/19	WB	SW8270D	
4-Chloro-3-methylphenol	ND		250	130	ug/Kg	1	11/20/19	WB	SW8270D	
4-Chloroaniline	ND		290	170	ug/Kg	1	11/20/19	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	1	11/20/19	WB	SW8270D	
4-Nitroaniline	ND		360	120	ug/Kg	1	11/20/19	WB	SW8270D	
4-Nitrophenol	ND		360	160	ug/Kg	1	11/20/19	WB	SW8270D	
Acenaphthene	ND		250	110	ug/Kg	1	11/20/19	WB	SW8270D	
Acenaphthylene	ND		250	100	ug/Kg	1	11/20/19	WB	SW8270D	
Acetophenone	ND		250	110	ug/Kg	1	11/20/19	WB	SW8270D	
Aniline	ND		290	290	ug/Kg	1	11/20/19	WB	SW8270D	
Anthracene	ND		250	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benz(a)anthracene	ND		250	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benzidine	ND		360	210	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(a)pyrene	190		180	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(b)fluoranthene	130	J	250	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(ghi)perylene	390		250	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(k)fluoranthene	130	J	250	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benzoic acid	ND		1800	720	ug/Kg	1	11/20/19	WB	SW8270D	
Benzyl butyl phthalate	ND		250	93	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND		250	100	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-chloroethyl)ether	ND		180	97	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND		250	100	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	1	11/20/19	WB	SW8270D	
Carbazole	ND		180	140	ug/Kg	1	11/20/19	WB	SW8270D	
Chrysene	ND		250	120	ug/Kg	1	11/20/19	WB	SW8270D	
Dibenz(a,h)anthracene	380		180	120	ug/Kg	1	11/20/19	WB	SW8270D	
Dibenzofuran	ND		250	110	ug/Kg	1	11/20/19	WB	SW8270D	
Diethyl phthalate	ND		250	110	ug/Kg	1	11/20/19	WB	SW8270D	
Dimethylphthalate	ND		250	110	ug/Kg	1	11/20/19	WB	SW8270D	
Di-n-butylphthalate	ND		250	96	ug/Kg	1	11/20/19	WB	SW8270D	
Di-n-octylphthalate	ND		250	93	ug/Kg	1	11/20/19	WB	SW8270D	
Fluoranthene	ND		250	120	ug/Kg	1	11/20/19	WB	SW8270D	
Fluorene	ND		250	120	ug/Kg	1	11/20/19	WB	SW8270D	
Hexachlorobenzene	ND		180	110	ug/Kg	1	11/20/19	WB	SW8270D	
Hexachlorobutadiene	ND		250	130	ug/Kg	1	11/20/19	WB	SW8270D	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	1	11/20/19	WB	SW8270D	

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Hexachloroethane	ND	180	110	ug/Kg	1	11/20/19	WB	SW8270D	
Indeno(1,2,3-cd)pyrene	380	250	120	ug/Kg	1	11/20/19	WB	SW8270D	
Isophorone	ND	180	100	ug/Kg	1	11/20/19	WB	SW8270D	
Naphthalene	ND	250	100	ug/Kg	1	11/20/19	WB	SW8270D	
Nitrobenzene	ND	180	130	ug/Kg	1	11/20/19	WB	SW8270D	
N-Nitrosodimethylamine	ND	250	100	ug/Kg	1	11/20/19	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND	180	120	ug/Kg	1	11/20/19	WB	SW8270D	
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	1	11/20/19	WB	SW8270D	
Pentachloronitrobenzene	ND	250	130	ug/Kg	1	11/20/19	WB	SW8270D	
Pentachlorophenol	ND	220	140	ug/Kg	1	11/20/19	WB	SW8270D	
Phenanthrene	ND	250	100	ug/Kg	1	11/20/19	WB	SW8270D	
Phenol	ND	250	120	ug/Kg	1	11/20/19	WB	SW8270D	
Pyrene	ND	250	120	ug/Kg	1	11/20/19	WB	SW8270D	
Pyridine	ND	250	89	ug/Kg	1	11/20/19	WB	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	74			%	1	11/20/19	WB	30 - 130 %	
% 2-Fluorobiphenyl	66			%	1	11/20/19	WB	30 - 130 %	
% 2-Fluorophenol	59			%	1	11/20/19	WB	30 - 130 %	
% Nitrobenzene-d5	60			%	1	11/20/19	WB	30 - 130 %	
% Phenol-d5	65			%	1	11/20/19	WB	30 - 130 %	
% Terphenyl-d14	66			%	1	11/20/19	WB	30 - 130 %	
Field Extraction	Completed					11/18/19		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 BRL=Below Reporting Level L=Biased Low J=Estimated Below RL 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.

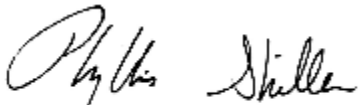
Comments:

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
November 20, 2019
Official Report Release To Follow

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 20, 2019

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:		11/18/19	14:15
Location Code:	WALDENE	Received by:	SW	11/19/19	16:42
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	IPARK0118.28				

Laboratory Data

SDG ID: GCE63471
Phoenix ID: CE63480

Project ID: I PARK 0118.28
Client ID: SB-16 (5-10)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Aluminum	20200	43	8.7	mg/Kg	10	11/20/19	EK	SW6010D
Antimony	ND	4.3	4.3	mg/Kg	1	11/20/19	MGH	SW6010D
Arsenic	6.96	0.87	0.87	mg/Kg	1	11/20/19	MGH	SW6010D
Barium	77.8	0.9	0.43	mg/Kg	1	11/20/19	MGH	SW6010D
Beryllium	0.61	0.35	0.17	mg/Kg	1	11/20/19	MGH	SW6010D
Calcium	3420	43	40	mg/Kg	10	11/20/19	EK	SW6010D
Cadmium	1.06	0.43	0.43	mg/Kg	1	11/20/19	MGH	SW6010D
Chromium	21.3	0.43	0.43	mg/Kg	1	11/20/19	MGH	SW6010D
Cobalt	15.5	0.43	0.43	mg/Kg	1	11/20/19	MGH	SW6010D
Copper	32.0	0.9	0.43	mg/kg	1	11/20/19	MGH	SW6010D
Iron	41000	43	43	mg/Kg	10	11/20/19	EK	SW6010D
Lead	14.4	0.9	0.43	mg/Kg	1	11/20/19	MGH	SW6010D
Magnesium	10100	43	43	mg/Kg	10	11/20/19	EK	SW6010D
Manganese	996	4.3	4.3	mg/Kg	10	11/20/19	EK	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	11/20/19	RS	SW7471B
Nickel	34.7	0.43	0.43	mg/Kg	1	11/20/19	MGH	SW6010D
Potassium	2100	87	34	mg/Kg	10	11/20/19	EK	SW6010D
Selenium	ND	1.7	1.5	mg/Kg	1	11/20/19	MGH	SW6010D
Silver	ND	0.43	0.43	mg/Kg	1	11/20/19	MGH	SW6010D
Sodium	73	9	3.7	mg/Kg	1	11/20/19	MGH	SW6010D
Thallium	ND	1.7	1.7	mg/Kg	1	11/20/19	MGH	SW6010D
Vanadium	21.4	0.43	0.43	mg/Kg	1	11/20/19	MGH	SW6010D
Zinc	88.4	0.9	0.43	mg/Kg	1	11/20/19	MGH	SW6010D
Percent Solid	79			%		11/19/19	VT	SW846-%Solid
Soil Extraction for PCB	Completed					11/19/19	MM/E	SW3545A
Soil Extraction for PCB	Completed					11/19/19	MM/E	SW3545A
Soil Extraction for Pesticides	Completed					11/19/19	MM/E	SW3545A
Soil Extraction for SVOA	Completed					11/19/19	BB/LE	SW3545A

Project ID: I PARK 0118.28
Client ID: SB-16 (5-10)

Phoenix I.D.: CE63480

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					11/20/19	LS/LS	SW7471B
Soil Extraction for Herbicide	Completed					11/19/19	J/D	SW8151A
Total Metals Digest	Completed					11/19/19	B/AG/BF	SW3050B
Chlorinated Herbicides								
2,4,5-T	ND	100	100	ug/Kg	10	11/20/19	JRB	SW8151A
2,4,5-TP (Silvex)	ND	100	100	ug/Kg	10	11/20/19	JRB	SW8151A
2,4-D	ND	210	210	ug/Kg	10	11/20/19	JRB	SW8151A
2,4-DB	ND	2100	2100	ug/Kg	10	11/20/19	JRB	SW8151A
Dalapon	ND	100	100	ug/Kg	10	11/20/19	JRB	SW8151A
Dicamba	ND	100	100	ug/Kg	10	11/20/19	JRB	SW8151A
Dichloroprop	ND	210	210	ug/Kg	10	11/20/19	JRB	SW8151A
Dinoseb	ND	210	210	ug/Kg	10	11/20/19	JRB	SW8151A
QA/QC Surrogates								
% DCAA	65			%	10	11/20/19	JRB	30 - 150 %
% DCAA (Confirmation)	54			%	10	11/20/19	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	84	84	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1221	ND	84	84	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1232	ND	84	84	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1242	ND	84	84	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1248	ND	84	84	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1254	ND	84	84	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1260	ND	84	84	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1262	ND	84	84	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1268	ND	84	84	ug/Kg	2	11/20/19	SC	SW8082A
QA/QC Surrogates								
% DCBP	87			%	2	11/20/19	SC	30 - 150 %
% DCBP (Confirmation)	98			%	2	11/20/19	SC	30 - 150 %
% TCMX	83			%	2	11/20/19	SC	30 - 150 %
% TCMX (Confirmation)	78			%	2	11/20/19	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.5	2.5	ug/Kg	2	11/20/19	AW	SW8081B
4,4' -DDE	ND	2.5	2.5	ug/Kg	2	11/20/19	AW	SW8081B
4,4' -DDT	ND	2.5	2.5	ug/Kg	2	11/20/19	AW	SW8081B
a-BHC	ND	8.4	8.4	ug/Kg	2	11/20/19	AW	SW8081B
a-Chlordane	ND	4.2	4.2	ug/Kg	2	11/20/19	AW	SW8081B
Aldrin	ND	4.2	4.2	ug/Kg	2	11/20/19	AW	SW8081B
b-BHC	ND	8.4	8.4	ug/Kg	2	11/20/19	AW	SW8081B
Chlordane	ND	42	42	ug/Kg	2	11/20/19	AW	SW8081B
d-BHC	ND	8.4	8.4	ug/Kg	2	11/20/19	AW	SW8081B
Dieldrin	ND	4.2	4.2	ug/Kg	2	11/20/19	AW	SW8081B
Endosulfan I	ND	8.4	8.4	ug/Kg	2	11/20/19	AW	SW8081B
Endosulfan II	ND	8.4	8.4	ug/Kg	2	11/20/19	AW	SW8081B
Endosulfan sulfate	ND	8.4	8.4	ug/Kg	2	11/20/19	AW	SW8081B
Endrin	ND	8.4	8.4	ug/Kg	2	11/20/19	AW	SW8081B
Endrin aldehyde	ND	8.4	8.4	ug/Kg	2	11/20/19	AW	SW8081B
Endrin ketone	ND	8.4	8.4	ug/Kg	2	11/20/19	AW	SW8081B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
g-BHC	ND	1.7	1.7	ug/Kg	2	11/20/19	AW	SW8081B	
g-Chlordane	ND	4.2	4.2	ug/Kg	2	11/20/19	AW	SW8081B	
Heptachlor	ND	8.4	8.4	ug/Kg	2	11/20/19	AW	SW8081B	
Heptachlor epoxide	ND	8.4	8.4	ug/Kg	2	11/20/19	AW	SW8081B	
Methoxychlor	ND	42	42	ug/Kg	2	11/20/19	AW	SW8081B	
Toxaphene	ND	170	170	ug/Kg	2	11/20/19	AW	SW8081B	
QA/QC Surrogates									
% DCBP	46			%	2	11/20/19	AW	30 - 150 %	
% DCBP (Confirmation)	73			%	2	11/20/19	AW	30 - 150 %	
% TCMX	63			%	2	11/20/19	AW	30 - 150 %	
% TCMX (Confirmation)	61			%	2	11/20/19	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	7.8	1.6	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1,1-Trichloroethane	ND	7.8	0.78	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	7.8	1.6	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1,2-Trichloroethane	ND	7.8	1.6	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1-Dichloroethane	ND	7.8	1.6	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1-Dichloroethene	ND	7.8	0.78	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1-Dichloropropene	ND	7.8	0.78	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	7.8	1.6	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,3-Trichloropropane	ND	7.8	0.78	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	7.8	1.6	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	7.8	0.78	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	7.8	1.6	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dibromoethane	ND	7.8	0.78	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dichlorobenzene	ND	7.8	0.78	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dichloroethane	ND	7.8	0.78	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dichloropropane	ND	7.8	1.6	ug/Kg	1	11/20/19	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	7.8	0.78	ug/Kg	1	11/20/19	JLI	SW8260C	
1,3-Dichlorobenzene	ND	7.8	0.78	ug/Kg	1	11/20/19	JLI	SW8260C	
1,3-Dichloropropane	ND	7.8	1.6	ug/Kg	1	11/20/19	JLI	SW8260C	
1,4-Dichlorobenzene	ND	7.8	0.78	ug/Kg	1	11/20/19	JLI	SW8260C	
2,2-Dichloropropane	ND	7.8	0.78	ug/Kg	1	11/20/19	JLI	SW8260C	
2-Chlorotoluene	ND	7.8	1.6	ug/Kg	1	11/20/19	JLI	SW8260C	
2-Hexanone	ND	39	7.8	ug/Kg	1	11/20/19	JLI	SW8260C	
2-Isopropyltoluene	ND	7.8	0.78	ug/Kg	1	11/20/19	JLI	SW8260C	1
4-Chlorotoluene	ND	7.8	0.78	ug/Kg	1	11/20/19	JLI	SW8260C	
4-Methyl-2-pentanone	ND	39	7.8	ug/Kg	1	11/20/19	JLI	SW8260C	
Acetone	ND	39	7.8	ug/Kg	1	11/20/19	JLI	SW8260C	
Acrylonitrile	ND	16	1.6	ug/Kg	1	11/20/19	JLI	SW8260C	
Benzene	ND	7.8	0.78	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromobenzene	ND	7.8	0.78	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromochloromethane	ND	7.8	0.78	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromodichloromethane	ND	7.8	1.6	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromoform	ND	7.8	1.6	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromomethane	ND	7.8	3.1	ug/Kg	1	11/20/19	JLI	SW8260C	
Carbon Disulfide	ND	7.8	1.6	ug/Kg	1	11/20/19	JLI	SW8260C	
Carbon tetrachloride	ND	7.8	1.6	ug/Kg	1	11/20/19	JLI	SW8260C	
Chlorobenzene	ND	7.8	0.78	ug/Kg	1	11/20/19	JLI	SW8260C	

Project ID: I PARK 0118.28
Client ID: SB-16 (5-10)

Phoenix I.D.: CE63480

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Chloroethane	ND	7.8	0.78	ug/Kg	1	11/20/19	JLI	SW8260C	
Chloroform	ND	7.8	0.78	ug/Kg	1	11/20/19	JLI	SW8260C	
Chloromethane	ND	7.8	1.6	ug/Kg	1	11/20/19	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	7.8	0.78	ug/Kg	1	11/20/19	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	7.8	0.78	ug/Kg	1	11/20/19	JLI	SW8260C	
Dibromochloromethane	ND	7.8	1.6	ug/Kg	1	11/20/19	JLI	SW8260C	
Dibromomethane	ND	7.8	1.6	ug/Kg	1	11/20/19	JLI	SW8260C	
Dichlorodifluoromethane	ND	7.8	0.78	ug/Kg	1	11/20/19	JLI	SW8260C	
Ethylbenzene	ND	7.8	0.78	ug/Kg	1	11/20/19	JLI	SW8260C	
Hexachlorobutadiene	ND	7.8	0.78	ug/Kg	1	11/20/19	JLI	SW8260C	
Isopropylbenzene	ND	7.8	0.78	ug/Kg	1	11/20/19	JLI	SW8260C	
m&p-Xylene	ND	7.8	1.6	ug/Kg	1	11/20/19	JLI	SW8260C	
Methyl Ethyl Ketone	ND	47	7.8	ug/Kg	1	11/20/19	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	16	1.6	ug/Kg	1	11/20/19	JLI	SW8260C	
Methylene chloride	ND	7.8	7.8	ug/Kg	1	11/20/19	JLI	SW8260C	
Naphthalene	ND	7.8	1.6	ug/Kg	1	11/20/19	JLI	SW8260C	
n-Butylbenzene	ND	7.8	0.78	ug/Kg	1	11/20/19	JLI	SW8260C	
n-Propylbenzene	ND	7.8	1.6	ug/Kg	1	11/20/19	JLI	SW8260C	
o-Xylene	ND	7.8	1.6	ug/Kg	1	11/20/19	JLI	SW8260C	
p-Isopropyltoluene	ND	7.8	0.78	ug/Kg	1	11/20/19	JLI	SW8260C	
sec-Butylbenzene	ND	7.8	0.78	ug/Kg	1	11/20/19	JLI	SW8260C	
Styrene	ND	7.8	0.78	ug/Kg	1	11/20/19	JLI	SW8260C	
tert-Butylbenzene	ND	7.8	0.78	ug/Kg	1	11/20/19	JLI	SW8260C	
Tetrachloroethene	ND	7.8	1.6	ug/Kg	1	11/20/19	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	16	3.9	ug/Kg	1	11/20/19	JLI	SW8260C	1
Toluene	ND	7.8	0.78	ug/Kg	1	11/20/19	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	7.8	0.78	ug/Kg	1	11/20/19	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	7.8	0.78	ug/Kg	1	11/20/19	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	16	3.9	ug/Kg	1	11/20/19	JLI	SW8260C	
Trichloroethene	ND	7.8	0.78	ug/Kg	1	11/20/19	JLI	SW8260C	
Trichlorofluoromethane	ND	7.8	1.6	ug/Kg	1	11/20/19	JLI	SW8260C	
Trichlorotrifluoroethane	ND	7.8	0.78	ug/Kg	1	11/20/19	JLI	SW8260C	
Vinyl chloride	ND	7.8	0.78	ug/Kg	1	11/20/19	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	102			%	1	11/20/19	JLI	70 - 130 %	
% Bromofluorobenzene	97			%	1	11/20/19	JLI	70 - 130 %	
% Dibromofluoromethane	102			%	1	11/20/19	JLI	70 - 130 %	
% Toluene-d8	101			%	1	11/20/19	JLI	70 - 130 %	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	290	150	ug/Kg	1	11/20/19	WB	SW8270D	
1,2,4-Trichlorobenzene	ND	290	120	ug/Kg	1	11/20/19	WB	SW8270D	
1,2-Dichlorobenzene	ND	290	120	ug/Kg	1	11/20/19	WB	SW8270D	
1,2-Diphenylhydrazine	ND	290	130	ug/Kg	1	11/20/19	WB	SW8270D	
1,3-Dichlorobenzene	ND	290	120	ug/Kg	1	11/20/19	WB	SW8270D	
1,4-Dichlorobenzene	ND	290	120	ug/Kg	1	11/20/19	WB	SW8270D	
2,4,5-Trichlorophenol	ND	290	230	ug/Kg	1	11/20/19	WB	SW8270D	
2,4,6-Trichlorophenol	ND	210	130	ug/Kg	1	11/20/19	WB	SW8270D	
2,4-Dichlorophenol	ND	210	150	ug/Kg	1	11/20/19	WB	SW8270D	
2,4-Dimethylphenol	ND	290	100	ug/Kg	1	11/20/19	WB	SW8270D	

Project ID: I PARK 0118.28
Client ID: SB-16 (5-10)

Phoenix I.D.: CE63480

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dinitrophenol	ND		290	290	ug/Kg	1	11/20/19	WB	SW8270D	
2,4-Dinitrotoluene	ND		210	160	ug/Kg	1	11/20/19	WB	SW8270D	
2,6-Dinitrotoluene	ND		210	130	ug/Kg	1	11/20/19	WB	SW8270D	
2-Chloronaphthalene	ND		290	120	ug/Kg	1	11/20/19	WB	SW8270D	
2-Chlorophenol	ND		290	120	ug/Kg	1	11/20/19	WB	SW8270D	
2-Methylnaphthalene	ND		290	120	ug/Kg	1	11/20/19	WB	SW8270D	
2-Methylphenol (o-cresol)	ND		290	190	ug/Kg	1	11/20/19	WB	SW8270D	
2-Nitroaniline	ND		290	290	ug/Kg	1	11/20/19	WB	SW8270D	
2-Nitrophenol	ND		290	260	ug/Kg	1	11/20/19	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		290	160	ug/Kg	1	11/20/19	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND		210	190	ug/Kg	1	11/20/19	WB	SW8270D	
3-Nitroaniline	ND		410	830	ug/Kg	1	11/20/19	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND		250	83	ug/Kg	1	11/20/19	WB	SW8270D	
4-Bromophenyl phenyl ether	ND		290	120	ug/Kg	1	11/20/19	WB	SW8270D	
4-Chloro-3-methylphenol	ND		290	150	ug/Kg	1	11/20/19	WB	SW8270D	
4-Chloroaniline	ND		330	190	ug/Kg	1	11/20/19	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND		290	140	ug/Kg	1	11/20/19	WB	SW8270D	
4-Nitroaniline	ND		410	140	ug/Kg	1	11/20/19	WB	SW8270D	
4-Nitrophenol	ND		410	190	ug/Kg	1	11/20/19	WB	SW8270D	
Acenaphthene	ND		290	130	ug/Kg	1	11/20/19	WB	SW8270D	
Acenaphthylene	ND		290	120	ug/Kg	1	11/20/19	WB	SW8270D	
Acetophenone	ND		290	130	ug/Kg	1	11/20/19	WB	SW8270D	
Aniline	ND		330	330	ug/Kg	1	11/20/19	WB	SW8270D	
Anthracene	ND		290	140	ug/Kg	1	11/20/19	WB	SW8270D	
Benz(a)anthracene	ND		290	140	ug/Kg	1	11/20/19	WB	SW8270D	
Benzidine	ND		410	240	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(a)pyrene	330		210	130	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(b)fluoranthene	250	J	290	140	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(ghi)perylene	210	J	290	130	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(k)fluoranthene	260	J	290	140	ug/Kg	1	11/20/19	WB	SW8270D	
Benzoic acid	ND		2100	830	ug/Kg	1	11/20/19	WB	SW8270D	
Benzyl butyl phthalate	ND		290	110	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND		290	110	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-chloroethyl)ether	ND		210	110	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND		290	110	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND		290	120	ug/Kg	1	11/20/19	WB	SW8270D	
Carbazole	ND		210	170	ug/Kg	1	11/20/19	WB	SW8270D	
Chrysene	ND		290	140	ug/Kg	1	11/20/19	WB	SW8270D	
Dibenz(a,h)anthracene	ND		210	130	ug/Kg	1	11/20/19	WB	SW8270D	
Dibenzofuran	ND		290	120	ug/Kg	1	11/20/19	WB	SW8270D	
Diethyl phthalate	ND		290	130	ug/Kg	1	11/20/19	WB	SW8270D	
Dimethylphthalate	ND		290	130	ug/Kg	1	11/20/19	WB	SW8270D	
Di-n-butylphthalate	ND		290	110	ug/Kg	1	11/20/19	WB	SW8270D	
Di-n-octylphthalate	ND		290	110	ug/Kg	1	11/20/19	WB	SW8270D	
Fluoranthene	ND		290	130	ug/Kg	1	11/20/19	WB	SW8270D	
Fluorene	ND		290	140	ug/Kg	1	11/20/19	WB	SW8270D	
Hexachlorobenzene	ND		210	120	ug/Kg	1	11/20/19	WB	SW8270D	
Hexachlorobutadiene	ND		290	150	ug/Kg	1	11/20/19	WB	SW8270D	
Hexachlorocyclopentadiene	ND		290	130	ug/Kg	1	11/20/19	WB	SW8270D	

Project ID: I PARK 0118.28
Client ID: SB-16 (5-10)

Phoenix I.D.: CE63480

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Hexachloroethane	ND		210	120	ug/Kg	1	11/20/19	WB	SW8270D	
Indeno(1,2,3-cd)pyrene	260	J	290	140	ug/Kg	1	11/20/19	WB	SW8270D	
Isophorone	ND		210	120	ug/Kg	1	11/20/19	WB	SW8270D	
Naphthalene	ND		290	120	ug/Kg	1	11/20/19	WB	SW8270D	
Nitrobenzene	ND		210	140	ug/Kg	1	11/20/19	WB	SW8270D	
N-Nitrosodimethylamine	ND		290	120	ug/Kg	1	11/20/19	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND		210	130	ug/Kg	1	11/20/19	WB	SW8270D	
N-Nitrosodiphenylamine	ND		290	160	ug/Kg	1	11/20/19	WB	SW8270D	
Pentachloronitrobenzene	ND		290	150	ug/Kg	1	11/20/19	WB	SW8270D	
Pentachlorophenol	ND		250	160	ug/Kg	1	11/20/19	WB	SW8270D	
Phenanthrene	ND		290	120	ug/Kg	1	11/20/19	WB	SW8270D	
Phenol	ND		290	130	ug/Kg	1	11/20/19	WB	SW8270D	
Pyrene	ND		290	140	ug/Kg	1	11/20/19	WB	SW8270D	
Pyridine	ND		290	100	ug/Kg	1	11/20/19	WB	SW8270D	
QA/QC Surrogates										
% 2,4,6-Tribromophenol	62				%	1	11/20/19	WB	30 - 130 %	
% 2-Fluorobiphenyl	59				%	1	11/20/19	WB	30 - 130 %	
% 2-Fluorophenol	56				%	1	11/20/19	WB	30 - 130 %	
% Nitrobenzene-d5	57				%	1	11/20/19	WB	30 - 130 %	
% Phenol-d5	60				%	1	11/20/19	WB	30 - 130 %	
% Terphenyl-d14	57				%	1	11/20/19	WB	30 - 130 %	
Field Extraction	Completed						11/18/19		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 BRL=Below Reporting Level L=Biased Low J=Estimated Below RL 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.

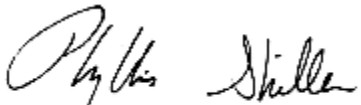
Comments:

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
November 20, 2019
Official Report Release To Follow

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 20, 2019

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:		11/18/19	14:30
Location Code:	WALDENE	Received by:	SW	11/19/19	16:42
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	IPARK0118.28				

Laboratory Data

SDG ID: GCE63471
Phoenix ID: CE63481

Project ID: I PARK 0118.28
Client ID: SB-19 (0-5)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Aluminum	11600	36	7.2	mg/Kg	10	11/20/19	EK	SW6010D
Antimony	ND	3.6	3.6	mg/Kg	1	11/20/19	MGH	SW6010D
Arsenic	4.67	0.72	0.72	mg/Kg	1	11/20/19	MGH	SW6010D
Barium	35.7	0.7	0.36	mg/Kg	1	11/20/19	MGH	SW6010D
Beryllium	0.52	0.29	0.14	mg/Kg	1	11/20/19	MGH	SW6010D
Calcium	5990	36	33	mg/Kg	10	11/20/19	EK	SW6010D
Cadmium	0.86	0.36	0.36	mg/Kg	1	11/20/19	MGH	SW6010D
Chromium	11.5	0.36	0.36	mg/Kg	1	11/20/19	MGH	SW6010D
Cobalt	9.45	0.36	0.36	mg/Kg	1	11/20/19	MGH	SW6010D
Copper	32.1	0.7	0.36	mg/kg	1	11/20/19	MGH	SW6010D
Iron	28600	36	36	mg/Kg	10	11/20/19	EK	SW6010D
Lead	15.9	0.7	0.36	mg/Kg	1	11/20/19	MGH	SW6010D
Magnesium	9880	36	36	mg/Kg	10	11/20/19	EK	SW6010D
Manganese	862	3.6	3.6	mg/Kg	10	11/20/19	EK	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	11/20/19	RS	SW7471B
Nickel	21.8	0.36	0.36	mg/Kg	1	11/20/19	MGH	SW6010D
Potassium	1020	7	2.8	mg/Kg	1	11/20/19	TH	SW6010D
Selenium	ND	1.4	1.2	mg/Kg	1	11/20/19	MGH	SW6010D
Silver	ND	0.36	0.36	mg/Kg	1	11/20/19	MGH	SW6010D
Sodium	585	7	3.1	mg/Kg	1	11/20/19	MGH	SW6010D
Thallium	ND	1.4	1.4	mg/Kg	1	11/20/19	MGH	SW6010D
Vanadium	14.5	0.36	0.36	mg/Kg	1	11/20/19	MGH	SW6010D
Zinc	68.5	0.7	0.36	mg/Kg	1	11/20/19	MGH	SW6010D
Percent Solid	87			%		11/19/19	VT	SW846-%Solid
Soil Extraction for PCB	Completed					11/19/19	MM/E	SW3545A
Soil Extraction for PCB	Completed					11/19/19	MM/E	SW3545A
Soil Extraction for Pesticides	Completed					11/19/19	MM/E	SW3545A
Soil Extraction for SVOA	Completed					11/19/19	BB/LE	SW3545A

Project ID: I PARK 0118.28
Client ID: SB-19 (0-5)

Phoenix I.D.: CE63481

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					11/20/19	LS/LS	SW7471B
Soil Extraction for Herbicide	Completed					11/19/19	J/D	SW8151A
Total Metals Digest	Completed					11/19/19	B/AG/BF	SW3050B
Chlorinated Herbicides								
2,4,5-T	ND	95	95	ug/Kg	10	11/20/19	JRB	SW8151A
2,4,5-TP (Silvex)	ND	95	95	ug/Kg	10	11/20/19	JRB	SW8151A
2,4-D	ND	190	190	ug/Kg	10	11/20/19	JRB	SW8151A
2,4-DB	ND	1900	1900	ug/Kg	10	11/20/19	JRB	SW8151A
Dalapon	ND	95	95	ug/Kg	10	11/20/19	JRB	SW8151A
Dicamba	ND	95	95	ug/Kg	10	11/20/19	JRB	SW8151A
Dichloroprop	ND	190	190	ug/Kg	10	11/20/19	JRB	SW8151A
Dinoseb	ND	190	190	ug/Kg	10	11/20/19	JRB	SW8151A
QA/QC Surrogates								
% DCAA	66			%	10	11/20/19	JRB	30 - 150 %
% DCAA (Confirmation)	54			%	10	11/20/19	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	76	76	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1221	ND	76	76	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1232	ND	76	76	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1242	ND	76	76	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1248	ND	76	76	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1254	ND	76	76	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1260	ND	76	76	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1262	ND	76	76	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1268	ND	76	76	ug/Kg	2	11/20/19	SC	SW8082A
QA/QC Surrogates								
% DCBP	94			%	2	11/20/19	SC	30 - 150 %
% DCBP (Confirmation)	91			%	2	11/20/19	SC	30 - 150 %
% TCMX	88			%	2	11/20/19	SC	30 - 150 %
% TCMX (Confirmation)	87			%	2	11/20/19	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.3	2.3	ug/Kg	2	11/20/19	AW	SW8081B
4,4' -DDE	ND	2.3	2.3	ug/Kg	2	11/20/19	AW	SW8081B
4,4' -DDT	ND	2.3	2.3	ug/Kg	2	11/20/19	AW	SW8081B
a-BHC	ND	7.6	7.6	ug/Kg	2	11/20/19	AW	SW8081B
a-Chlordane	ND	3.8	3.8	ug/Kg	2	11/20/19	AW	SW8081B
Aldrin	ND	3.8	3.8	ug/Kg	2	11/20/19	AW	SW8081B
b-BHC	ND	7.6	7.6	ug/Kg	2	11/20/19	AW	SW8081B
Chlordane	ND	38	38	ug/Kg	2	11/20/19	AW	SW8081B
d-BHC	ND	7.6	7.6	ug/Kg	2	11/20/19	AW	SW8081B
Dieldrin	ND	3.8	3.8	ug/Kg	2	11/20/19	AW	SW8081B
Endosulfan I	ND	7.6	7.6	ug/Kg	2	11/20/19	AW	SW8081B
Endosulfan II	ND	7.6	7.6	ug/Kg	2	11/20/19	AW	SW8081B
Endosulfan sulfate	ND	7.6	7.6	ug/Kg	2	11/20/19	AW	SW8081B
Endrin	ND	7.6	7.6	ug/Kg	2	11/20/19	AW	SW8081B
Endrin aldehyde	ND	7.6	7.6	ug/Kg	2	11/20/19	AW	SW8081B
Endrin ketone	ND	7.6	7.6	ug/Kg	2	11/20/19	AW	SW8081B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
g-BHC	ND	1.5	1.5	ug/Kg	2	11/20/19	AW	SW8081B	
g-Chlordane	ND	3.8	3.8	ug/Kg	2	11/20/19	AW	SW8081B	
Heptachlor	ND	7.6	7.6	ug/Kg	2	11/20/19	AW	SW8081B	
Heptachlor epoxide	ND	7.6	7.6	ug/Kg	2	11/20/19	AW	SW8081B	
Methoxychlor	ND	38	38	ug/Kg	2	11/20/19	AW	SW8081B	
Toxaphene	ND	150	150	ug/Kg	2	11/20/19	AW	SW8081B	
QA/QC Surrogates									
% DCBP	55			%	2	11/20/19	AW	30 - 150 %	
% DCBP (Confirmation)	76			%	2	11/20/19	AW	30 - 150 %	
% TCMX	76			%	2	11/20/19	AW	30 - 150 %	
% TCMX (Confirmation)	75			%	2	11/20/19	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1,1-Trichloroethane	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1,2-Trichloroethane	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1-Dichloroethane	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1-Dichloroethene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1-Dichloropropene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,3-Trichloropropane	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dibromoethane	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dichlorobenzene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dichloroethane	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dichloropropane	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
1,3-Dichlorobenzene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
1,3-Dichloropropane	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
1,4-Dichlorobenzene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
2,2-Dichloropropane	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
2-Chlorotoluene	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
2-Hexanone	ND	31	6.2	ug/Kg	1	11/20/19	JLI	SW8260C	
2-Isopropyltoluene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	1
4-Chlorotoluene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
4-Methyl-2-pentanone	ND	31	6.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Acetone	ND	31	6.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Acrylonitrile	ND	12	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Benzene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromobenzene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromochloromethane	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromodichloromethane	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromoform	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromomethane	ND	6.2	2.5	ug/Kg	1	11/20/19	JLI	SW8260C	
Carbon Disulfide	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Carbon tetrachloride	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Chlorobenzene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Chloroethane	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
Chloroform	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
Chloromethane	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
Dibromochloromethane	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Dibromomethane	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Dichlorodifluoromethane	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
Ethylbenzene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
Hexachlorobutadiene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
Isopropylbenzene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
m&p-Xylene	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Methyl Ethyl Ketone	ND	37	6.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	12	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Methylene chloride	ND	6.2	6.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Naphthalene	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
n-Butylbenzene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
n-Propylbenzene	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
o-Xylene	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
p-Isopropyltoluene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
sec-Butylbenzene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
Styrene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
tert-Butylbenzene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
Tetrachloroethene	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	12	3.1	ug/Kg	1	11/20/19	JLI	SW8260C	1
Toluene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	12	3.1	ug/Kg	1	11/20/19	JLI	SW8260C	
Trichloroethene	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
Trichlorofluoromethane	ND	6.2	1.2	ug/Kg	1	11/20/19	JLI	SW8260C	
Trichlorotrifluoroethane	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
Vinyl chloride	ND	6.2	0.62	ug/Kg	1	11/20/19	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	102			%	1	11/20/19	JLI	70 - 130 %	
% Bromofluorobenzene	97			%	1	11/20/19	JLI	70 - 130 %	
% Dibromofluoromethane	104			%	1	11/20/19	JLI	70 - 130 %	
% Toluene-d8	101			%	1	11/20/19	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	270	130	ug/Kg	1	11/20/19	WB	SW8270D	
1,2,4-Trichlorobenzene	ND	270	110	ug/Kg	1	11/20/19	WB	SW8270D	
1,2-Dichlorobenzene	ND	270	110	ug/Kg	1	11/20/19	WB	SW8270D	
1,2-Diphenylhydrazine	ND	270	120	ug/Kg	1	11/20/19	WB	SW8270D	
1,3-Dichlorobenzene	ND	270	110	ug/Kg	1	11/20/19	WB	SW8270D	
1,4-Dichlorobenzene	ND	270	110	ug/Kg	1	11/20/19	WB	SW8270D	
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	1	11/20/19	WB	SW8270D	
2,4,6-Trichlorophenol	ND	190	120	ug/Kg	1	11/20/19	WB	SW8270D	
2,4-Dichlorophenol	ND	190	130	ug/Kg	1	11/20/19	WB	SW8270D	
2,4-Dimethylphenol	ND	270	94	ug/Kg	1	11/20/19	WB	SW8270D	

Project ID: I PARK 0118.28
Client ID: SB-19 (0-5)

Phoenix I.D.: CE63481

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dinitrophenol	ND		270	270	ug/Kg	1	11/20/19	WB	SW8270D	
2,4-Dinitrotoluene	ND		190	150	ug/Kg	1	11/20/19	WB	SW8270D	
2,6-Dinitrotoluene	ND		190	120	ug/Kg	1	11/20/19	WB	SW8270D	
2-Chloronaphthalene	ND		270	110	ug/Kg	1	11/20/19	WB	SW8270D	
2-Chlorophenol	ND		270	110	ug/Kg	1	11/20/19	WB	SW8270D	
2-Methylnaphthalene	ND		270	110	ug/Kg	1	11/20/19	WB	SW8270D	
2-Methylphenol (o-cresol)	ND		270	180	ug/Kg	1	11/20/19	WB	SW8270D	
2-Nitroaniline	ND		270	270	ug/Kg	1	11/20/19	WB	SW8270D	
2-Nitrophenol	ND		270	240	ug/Kg	1	11/20/19	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		270	150	ug/Kg	1	11/20/19	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND		190	180	ug/Kg	1	11/20/19	WB	SW8270D	
3-Nitroaniline	ND		380	760	ug/Kg	1	11/20/19	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND		230	76	ug/Kg	1	11/20/19	WB	SW8270D	
4-Bromophenyl phenyl ether	ND		270	110	ug/Kg	1	11/20/19	WB	SW8270D	
4-Chloro-3-methylphenol	ND		270	130	ug/Kg	1	11/20/19	WB	SW8270D	
4-Chloroaniline	ND		300	180	ug/Kg	1	11/20/19	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND		270	130	ug/Kg	1	11/20/19	WB	SW8270D	
4-Nitroaniline	ND		380	130	ug/Kg	1	11/20/19	WB	SW8270D	
4-Nitrophenol	ND		380	170	ug/Kg	1	11/20/19	WB	SW8270D	
Acenaphthene	ND		270	120	ug/Kg	1	11/20/19	WB	SW8270D	
Acenaphthylene	ND		270	110	ug/Kg	1	11/20/19	WB	SW8270D	
Acetophenone	ND		270	120	ug/Kg	1	11/20/19	WB	SW8270D	
Aniline	ND		300	300	ug/Kg	1	11/20/19	WB	SW8270D	
Anthracene	ND		270	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benz(a)anthracene	ND		270	130	ug/Kg	1	11/20/19	WB	SW8270D	
Benzidine	ND		380	220	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(a)pyrene	180	J	190	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(b)fluoranthene	ND		270	130	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(ghi)perylene	150	J	270	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(k)fluoranthene	ND		270	130	ug/Kg	1	11/20/19	WB	SW8270D	
Benzoic acid	ND		1900	760	ug/Kg	1	11/20/19	WB	SW8270D	
Benzyl butyl phthalate	ND		270	98	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND		270	110	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-chloroethyl)ether	ND		190	100	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND		270	110	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND		270	110	ug/Kg	1	11/20/19	WB	SW8270D	
Carbazole	ND		190	150	ug/Kg	1	11/20/19	WB	SW8270D	
Chrysene	ND		270	130	ug/Kg	1	11/20/19	WB	SW8270D	
Dibenz(a,h)anthracene	ND		190	120	ug/Kg	1	11/20/19	WB	SW8270D	
Dibenzofuran	ND		270	110	ug/Kg	1	11/20/19	WB	SW8270D	
Diethyl phthalate	ND		270	120	ug/Kg	1	11/20/19	WB	SW8270D	
Dimethylphthalate	ND		270	120	ug/Kg	1	11/20/19	WB	SW8270D	
Di-n-butylphthalate	ND		270	100	ug/Kg	1	11/20/19	WB	SW8270D	
Di-n-octylphthalate	ND		270	98	ug/Kg	1	11/20/19	WB	SW8270D	
Fluoranthene	ND		270	120	ug/Kg	1	11/20/19	WB	SW8270D	
Fluorene	ND		270	130	ug/Kg	1	11/20/19	WB	SW8270D	
Hexachlorobenzene	ND		190	110	ug/Kg	1	11/20/19	WB	SW8270D	
Hexachlorobutadiene	ND		270	140	ug/Kg	1	11/20/19	WB	SW8270D	
Hexachlorocyclopentadiene	ND		270	120	ug/Kg	1	11/20/19	WB	SW8270D	

Project ID: I PARK 0118.28
Client ID: SB-19 (0-5)

Phoenix I.D.: CE63481

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Hexachloroethane	ND		190	110	ug/Kg	1	11/20/19	WB	SW8270D	
Indeno(1,2,3-cd)pyrene	170	J	270	130	ug/Kg	1	11/20/19	WB	SW8270D	
Isophorone	ND		190	110	ug/Kg	1	11/20/19	WB	SW8270D	
Naphthalene	ND		270	110	ug/Kg	1	11/20/19	WB	SW8270D	
Nitrobenzene	ND		190	130	ug/Kg	1	11/20/19	WB	SW8270D	
N-Nitrosodimethylamine	ND		270	110	ug/Kg	1	11/20/19	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND		190	120	ug/Kg	1	11/20/19	WB	SW8270D	
N-Nitrosodiphenylamine	ND		270	150	ug/Kg	1	11/20/19	WB	SW8270D	
Pentachloronitrobenzene	ND		270	140	ug/Kg	1	11/20/19	WB	SW8270D	
Pentachlorophenol	ND		230	140	ug/Kg	1	11/20/19	WB	SW8270D	
Phenanthrene	ND		270	110	ug/Kg	1	11/20/19	WB	SW8270D	
Phenol	ND		270	120	ug/Kg	1	11/20/19	WB	SW8270D	
Pyrene	ND		270	130	ug/Kg	1	11/20/19	WB	SW8270D	
Pyridine	ND		270	94	ug/Kg	1	11/20/19	WB	SW8270D	
QA/QC Surrogates										
% 2,4,6-Tribromophenol	74				%	1	11/20/19	WB	30 - 130 %	
% 2-Fluorobiphenyl	72				%	1	11/20/19	WB	30 - 130 %	
% 2-Fluorophenol	67				%	1	11/20/19	WB	30 - 130 %	
% Nitrobenzene-d5	68				%	1	11/20/19	WB	30 - 130 %	
% Phenol-d5	73				%	1	11/20/19	WB	30 - 130 %	
% Terphenyl-d14	67				%	1	11/20/19	WB	30 - 130 %	
Field Extraction	Completed						11/18/19		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 BRL=Below Reporting Level L=Biased Low J=Estimated Below RL 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.

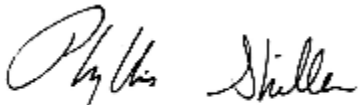
Comments:

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
November 20, 2019
Official Report Release To Follow

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 20, 2019

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:		11/18/19	14:30
Location Code:	WALDENE	Received by:	SW	11/19/19	16:42
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	IPARK0118.28				

Laboratory Data

SDG ID: GCE63471
Phoenix ID: CE63482

Project ID: I PARK 0118.28
Client ID: SB-19 (5-10)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Aluminum	9910		39	7.8	mg/Kg	10	11/20/19	EK	SW6010D
Antimony	ND		3.9	3.9	mg/Kg	1	11/20/19	MGH	SW6010D
Arsenic	2.41		0.78	0.78	mg/Kg	1	11/20/19	MGH	SW6010D
Barium	32.6		0.8	0.39	mg/Kg	1	11/20/19	MGH	SW6010D
Beryllium	0.27	J	0.31	0.16	mg/Kg	1	11/20/19	MGH	SW6010D
Calcium	1720		39	36	mg/Kg	10	11/20/19	EK	SW6010D
Cadmium	0.63		0.39	0.39	mg/Kg	1	11/20/19	MGH	SW6010D
Chromium	9.69		0.39	0.39	mg/Kg	1	11/20/19	MGH	SW6010D
Cobalt	7.32		0.39	0.39	mg/Kg	1	11/20/19	MGH	SW6010D
Copper	18.2		0.8	0.39	mg/kg	1	11/20/19	MGH	SW6010D
Iron	21400		39	39	mg/Kg	10	11/20/19	EK	SW6010D
Lead	12.6		0.8	0.39	mg/Kg	1	11/20/19	MGH	SW6010D
Magnesium	6590		39	39	mg/Kg	10	11/20/19	EK	SW6010D
Manganese	635		3.9	3.9	mg/Kg	10	11/20/19	EK	SW6010D
Mercury	ND		0.03	0.02	mg/Kg	2	11/20/19	RS	SW7471B
Nickel	16.2		0.39	0.39	mg/Kg	1	11/20/19	MGH	SW6010D
Potassium	965		8	3.0	mg/Kg	1	11/20/19	TH	SW6010D
Selenium	ND		1.6	1.3	mg/Kg	1	11/20/19	MGH	SW6010D
Silver	ND		0.39	0.39	mg/Kg	1	11/20/19	MGH	SW6010D
Sodium	479		8	3.3	mg/Kg	1	11/20/19	MGH	SW6010D
Thallium	ND		1.6	1.6	mg/Kg	1	11/20/19	MGH	SW6010D
Vanadium	12.4		0.39	0.39	mg/Kg	1	11/20/19	MGH	SW6010D
Zinc	48.9		0.8	0.39	mg/Kg	1	11/20/19	MGH	SW6010D
Percent Solid	87				%		11/19/19	VT	SW846-%Solid
Soil Extraction for PCB	Completed						11/19/19	MM/E	SW3545A
Soil Extraction for PCB	Completed						11/19/19	MM/E	SW3545A
Soil Extraction for Pesticides	Completed						11/19/19	MM/E	SW3545A
Soil Extraction for SVOA	Completed						11/19/19	BB/LE	SW3545A

Project ID: I PARK 0118.28
Client ID: SB-19 (5-10)

Phoenix I.D.: CE63482

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					11/20/19	LS/LS	SW7471B
Soil Extraction for Herbicide	Completed					11/19/19	J/D	SW8151A
Total Metals Digest	Completed					11/19/19	B/AG/BF	SW3050B
Chlorinated Herbicides								
2,4,5-T	ND	96	96	ug/Kg	10	11/20/19	JRB	SW8151A
2,4,5-TP (Silvex)	ND	96	96	ug/Kg	10	11/20/19	JRB	SW8151A
2,4-D	ND	190	190	ug/Kg	10	11/20/19	JRB	SW8151A
2,4-DB	ND	1900	1900	ug/Kg	10	11/20/19	JRB	SW8151A
Dalapon	ND	96	96	ug/Kg	10	11/20/19	JRB	SW8151A
Dicamba	ND	96	96	ug/Kg	10	11/20/19	JRB	SW8151A
Dichloroprop	ND	190	190	ug/Kg	10	11/20/19	JRB	SW8151A
Dinoseb	ND	190	190	ug/Kg	10	11/20/19	JRB	SW8151A
QA/QC Surrogates								
% DCAA	59			%	10	11/20/19	JRB	30 - 150 %
% DCAA (Confirmation)	51			%	10	11/20/19	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	75	75	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1221	ND	75	75	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1232	ND	75	75	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1242	ND	75	75	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1248	ND	75	75	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1254	ND	75	75	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1260	ND	75	75	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1262	ND	75	75	ug/Kg	2	11/20/19	SC	SW8082A
PCB-1268	ND	75	75	ug/Kg	2	11/20/19	SC	SW8082A
QA/QC Surrogates								
% DCBP	103			%	2	11/20/19	SC	30 - 150 %
% DCBP (Confirmation)	115			%	2	11/20/19	SC	30 - 150 %
% TCMX	108			%	2	11/20/19	SC	30 - 150 %
% TCMX (Confirmation)	110			%	2	11/20/19	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.2	2.2	ug/Kg	2	11/20/19	AW	SW8081B
4,4' -DDE	ND	2.2	2.2	ug/Kg	2	11/20/19	AW	SW8081B
4,4' -DDT	8.6	2.2	2.2	ug/Kg	2	11/20/19	AW	SW8081B
a-BHC	ND	7.5	7.5	ug/Kg	2	11/20/19	AW	SW8081B
a-Chlordane	ND	3.7	3.7	ug/Kg	2	11/20/19	AW	SW8081B
Aldrin	ND	3.7	3.7	ug/Kg	2	11/20/19	AW	SW8081B
b-BHC	ND	7.5	7.5	ug/Kg	2	11/20/19	AW	SW8081B
Chlordane	ND	37	37	ug/Kg	2	11/20/19	AW	SW8081B
d-BHC	ND	7.5	7.5	ug/Kg	2	11/20/19	AW	SW8081B
Dieldrin	ND	3.7	3.7	ug/Kg	2	11/20/19	AW	SW8081B
Endosulfan I	ND	7.5	7.5	ug/Kg	2	11/20/19	AW	SW8081B
Endosulfan II	ND	7.5	7.5	ug/Kg	2	11/20/19	AW	SW8081B
Endosulfan sulfate	ND	7.5	7.5	ug/Kg	2	11/20/19	AW	SW8081B
Endrin	ND	7.5	7.5	ug/Kg	2	11/20/19	AW	SW8081B
Endrin aldehyde	ND	7.5	7.5	ug/Kg	2	11/20/19	AW	SW8081B
Endrin ketone	ND	7.5	7.5	ug/Kg	2	11/20/19	AW	SW8081B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
g-BHC	ND	1.5	1.5	ug/Kg	2	11/20/19	AW	SW8081B	
g-Chlordane	ND	3.7	3.7	ug/Kg	2	11/20/19	AW	SW8081B	
Heptachlor	ND	7.5	7.5	ug/Kg	2	11/20/19	AW	SW8081B	
Heptachlor epoxide	ND	7.5	7.5	ug/Kg	2	11/20/19	AW	SW8081B	
Methoxychlor	ND	37	37	ug/Kg	2	11/20/19	AW	SW8081B	
Toxaphene	ND	150	150	ug/Kg	2	11/20/19	AW	SW8081B	
QA/QC Surrogates									
% DCBP	61			%	2	11/20/19	AW	30 - 150 %	
% DCBP (Confirmation)	83			%	2	11/20/19	AW	30 - 150 %	
% TCMX	85			%	2	11/20/19	AW	30 - 150 %	
% TCMX (Confirmation)	82			%	2	11/20/19	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	6.7	1.3	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1,1-Trichloroethane	ND	6.7	0.67	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	6.7	1.3	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1,2-Trichloroethane	ND	6.7	1.3	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1-Dichloroethane	ND	6.7	1.3	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1-Dichloroethene	ND	6.7	0.67	ug/Kg	1	11/20/19	JLI	SW8260C	
1,1-Dichloropropene	ND	6.7	0.67	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	6.7	1.3	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,3-Trichloropropane	ND	6.7	0.67	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	6.7	1.3	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	6.7	0.67	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	6.7	1.3	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dibromoethane	ND	6.7	0.67	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dichlorobenzene	ND	6.7	0.67	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dichloroethane	ND	6.7	0.67	ug/Kg	1	11/20/19	JLI	SW8260C	
1,2-Dichloropropane	ND	6.7	1.3	ug/Kg	1	11/20/19	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	6.7	0.67	ug/Kg	1	11/20/19	JLI	SW8260C	
1,3-Dichlorobenzene	ND	6.7	0.67	ug/Kg	1	11/20/19	JLI	SW8260C	
1,3-Dichloropropane	ND	6.7	1.3	ug/Kg	1	11/20/19	JLI	SW8260C	
1,4-Dichlorobenzene	ND	6.7	0.67	ug/Kg	1	11/20/19	JLI	SW8260C	
2,2-Dichloropropane	ND	6.7	0.67	ug/Kg	1	11/20/19	JLI	SW8260C	
2-Chlorotoluene	ND	6.7	1.3	ug/Kg	1	11/20/19	JLI	SW8260C	
2-Hexanone	ND	34	6.7	ug/Kg	1	11/20/19	JLI	SW8260C	
2-Isopropyltoluene	ND	6.7	0.67	ug/Kg	1	11/20/19	JLI	SW8260C	1
4-Chlorotoluene	ND	6.7	0.67	ug/Kg	1	11/20/19	JLI	SW8260C	
4-Methyl-2-pentanone	ND	34	6.7	ug/Kg	1	11/20/19	JLI	SW8260C	
Acetone	ND	34	6.7	ug/Kg	1	11/20/19	JLI	SW8260C	
Acrylonitrile	ND	13	1.3	ug/Kg	1	11/20/19	JLI	SW8260C	
Benzene	ND	6.7	0.67	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromobenzene	ND	6.7	0.67	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromochloromethane	ND	6.7	0.67	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromodichloromethane	ND	6.7	1.3	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromoform	ND	6.7	1.3	ug/Kg	1	11/20/19	JLI	SW8260C	
Bromomethane	ND	6.7	2.7	ug/Kg	1	11/20/19	JLI	SW8260C	
Carbon Disulfide	ND	6.7	1.3	ug/Kg	1	11/20/19	JLI	SW8260C	
Carbon tetrachloride	ND	6.7	1.3	ug/Kg	1	11/20/19	JLI	SW8260C	
Chlorobenzene	ND	6.7	0.67	ug/Kg	1	11/20/19	JLI	SW8260C	

Project ID: I PARK 0118.28
Client ID: SB-19 (5-10)

Phoenix I.D.: CE63482

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Chloroethane	ND	6.7	0.67	ug/Kg	1	11/20/19	JLI	SW8260C	
Chloroform	ND	6.7	0.67	ug/Kg	1	11/20/19	JLI	SW8260C	
Chloromethane	ND	6.7	1.3	ug/Kg	1	11/20/19	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	6.7	0.67	ug/Kg	1	11/20/19	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	6.7	0.67	ug/Kg	1	11/20/19	JLI	SW8260C	
Dibromochloromethane	ND	6.7	1.3	ug/Kg	1	11/20/19	JLI	SW8260C	
Dibromomethane	ND	6.7	1.3	ug/Kg	1	11/20/19	JLI	SW8260C	
Dichlorodifluoromethane	ND	6.7	0.67	ug/Kg	1	11/20/19	JLI	SW8260C	
Ethylbenzene	ND	6.7	0.67	ug/Kg	1	11/20/19	JLI	SW8260C	
Hexachlorobutadiene	ND	6.7	0.67	ug/Kg	1	11/20/19	JLI	SW8260C	
Isopropylbenzene	ND	6.7	0.67	ug/Kg	1	11/20/19	JLI	SW8260C	
m&p-Xylene	ND	6.7	1.3	ug/Kg	1	11/20/19	JLI	SW8260C	
Methyl Ethyl Ketone	ND	40	6.7	ug/Kg	1	11/20/19	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	13	1.3	ug/Kg	1	11/20/19	JLI	SW8260C	
Methylene chloride	ND	6.7	6.7	ug/Kg	1	11/20/19	JLI	SW8260C	
Naphthalene	ND	6.7	1.3	ug/Kg	1	11/20/19	JLI	SW8260C	
n-Butylbenzene	ND	6.7	0.67	ug/Kg	1	11/20/19	JLI	SW8260C	
n-Propylbenzene	ND	6.7	1.3	ug/Kg	1	11/20/19	JLI	SW8260C	
o-Xylene	ND	6.7	1.3	ug/Kg	1	11/20/19	JLI	SW8260C	
p-Isopropyltoluene	ND	6.7	0.67	ug/Kg	1	11/20/19	JLI	SW8260C	
sec-Butylbenzene	ND	6.7	0.67	ug/Kg	1	11/20/19	JLI	SW8260C	
Styrene	ND	6.7	0.67	ug/Kg	1	11/20/19	JLI	SW8260C	
tert-Butylbenzene	ND	6.7	0.67	ug/Kg	1	11/20/19	JLI	SW8260C	
Tetrachloroethene	ND	6.7	1.3	ug/Kg	1	11/20/19	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	13	3.4	ug/Kg	1	11/20/19	JLI	SW8260C	1
Toluene	ND	6.7	0.67	ug/Kg	1	11/20/19	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	6.7	0.67	ug/Kg	1	11/20/19	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	6.7	0.67	ug/Kg	1	11/20/19	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	13	3.4	ug/Kg	1	11/20/19	JLI	SW8260C	
Trichloroethene	ND	6.7	0.67	ug/Kg	1	11/20/19	JLI	SW8260C	
Trichlorofluoromethane	ND	6.7	1.3	ug/Kg	1	11/20/19	JLI	SW8260C	
Trichlorotrifluoroethane	ND	6.7	0.67	ug/Kg	1	11/20/19	JLI	SW8260C	
Vinyl chloride	ND	6.7	0.67	ug/Kg	1	11/20/19	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	104			%	1	11/20/19	JLI	70 - 130 %	
% Bromofluorobenzene	96			%	1	11/20/19	JLI	70 - 130 %	
% Dibromofluoromethane	103			%	1	11/20/19	JLI	70 - 130 %	
% Toluene-d8	101			%	1	11/20/19	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	11/20/19	WB	SW8270D	
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	1	11/20/19	WB	SW8270D	
1,2-Dichlorobenzene	ND	260	110	ug/Kg	1	11/20/19	WB	SW8270D	
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	1	11/20/19	WB	SW8270D	
1,3-Dichlorobenzene	ND	260	110	ug/Kg	1	11/20/19	WB	SW8270D	
1,4-Dichlorobenzene	ND	260	110	ug/Kg	1	11/20/19	WB	SW8270D	
2,4,5-Trichlorophenol	ND	260	210	ug/Kg	1	11/20/19	WB	SW8270D	
2,4,6-Trichlorophenol	ND	190	120	ug/Kg	1	11/20/19	WB	SW8270D	
2,4-Dichlorophenol	ND	190	130	ug/Kg	1	11/20/19	WB	SW8270D	
2,4-Dimethylphenol	ND	260	94	ug/Kg	1	11/20/19	WB	SW8270D	

Project ID: I PARK 0118.28
Client ID: SB-19 (5-10)

Phoenix I.D.: CE63482

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	11/20/19	WB	SW8270D	
2,4-Dinitrotoluene	ND	190	150	ug/Kg	1	11/20/19	WB	SW8270D	
2,6-Dinitrotoluene	ND	190	120	ug/Kg	1	11/20/19	WB	SW8270D	
2-Chloronaphthalene	ND	260	110	ug/Kg	1	11/20/19	WB	SW8270D	
2-Chlorophenol	ND	260	110	ug/Kg	1	11/20/19	WB	SW8270D	
2-Methylnaphthalene	ND	260	110	ug/Kg	1	11/20/19	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	260	180	ug/Kg	1	11/20/19	WB	SW8270D	
2-Nitroaniline	ND	260	260	ug/Kg	1	11/20/19	WB	SW8270D	
2-Nitrophenol	ND	260	240	ug/Kg	1	11/20/19	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	1	11/20/19	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND	190	180	ug/Kg	1	11/20/19	WB	SW8270D	
3-Nitroaniline	ND	380	760	ug/Kg	1	11/20/19	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND	230	76	ug/Kg	1	11/20/19	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	11/20/19	WB	SW8270D	
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	11/20/19	WB	SW8270D	
4-Chloroaniline	ND	300	180	ug/Kg	1	11/20/19	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	260	130	ug/Kg	1	11/20/19	WB	SW8270D	
4-Nitroaniline	ND	380	130	ug/Kg	1	11/20/19	WB	SW8270D	
4-Nitrophenol	ND	380	170	ug/Kg	1	11/20/19	WB	SW8270D	
Acenaphthene	ND	260	110	ug/Kg	1	11/20/19	WB	SW8270D	
Acenaphthylene	ND	260	110	ug/Kg	1	11/20/19	WB	SW8270D	
Acetophenone	ND	260	120	ug/Kg	1	11/20/19	WB	SW8270D	
Aniline	ND	300	300	ug/Kg	1	11/20/19	WB	SW8270D	
Anthracene	ND	260	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benz(a)anthracene	ND	260	130	ug/Kg	1	11/20/19	WB	SW8270D	
Benzidine	ND	380	220	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(a)pyrene	ND	190	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(b)fluoranthene	ND	260	130	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(ghi)perylene	ND	260	120	ug/Kg	1	11/20/19	WB	SW8270D	
Benzo(k)fluoranthene	ND	260	130	ug/Kg	1	11/20/19	WB	SW8270D	
Benzoic acid	ND	1900	760	ug/Kg	1	11/20/19	WB	SW8270D	
Benzyl butyl phthalate	ND	260	98	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	190	100	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND	260	110	ug/Kg	1	11/20/19	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	1	11/20/19	WB	SW8270D	
Carbazole	ND	190	150	ug/Kg	1	11/20/19	WB	SW8270D	
Chrysene	ND	260	130	ug/Kg	1	11/20/19	WB	SW8270D	
Dibenz(a,h)anthracene	ND	190	120	ug/Kg	1	11/20/19	WB	SW8270D	
Dibenzofuran	ND	260	110	ug/Kg	1	11/20/19	WB	SW8270D	
Diethyl phthalate	ND	260	120	ug/Kg	1	11/20/19	WB	SW8270D	
Dimethylphthalate	ND	260	120	ug/Kg	1	11/20/19	WB	SW8270D	
Di-n-butylphthalate	ND	260	100	ug/Kg	1	11/20/19	WB	SW8270D	
Di-n-octylphthalate	ND	260	98	ug/Kg	1	11/20/19	WB	SW8270D	
Fluoranthene	ND	260	120	ug/Kg	1	11/20/19	WB	SW8270D	
Fluorene	ND	260	120	ug/Kg	1	11/20/19	WB	SW8270D	
Hexachlorobenzene	ND	190	110	ug/Kg	1	11/20/19	WB	SW8270D	
Hexachlorobutadiene	ND	260	140	ug/Kg	1	11/20/19	WB	SW8270D	
Hexachlorocyclopentadiene	ND	260	120	ug/Kg	1	11/20/19	WB	SW8270D	

Project ID: I PARK 0118.28
Client ID: SB-19 (5-10)

Phoenix I.D.: CE63482

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Hexachloroethane	ND		190	110	ug/Kg	1	11/20/19	WB	SW8270D	
Indeno(1,2,3-cd)pyrene	140	J	260	130	ug/Kg	1	11/20/19	WB	SW8270D	
Isophorone	ND		190	110	ug/Kg	1	11/20/19	WB	SW8270D	
Naphthalene	ND		260	110	ug/Kg	1	11/20/19	WB	SW8270D	
Nitrobenzene	ND		190	130	ug/Kg	1	11/20/19	WB	SW8270D	
N-Nitrosodimethylamine	ND		260	110	ug/Kg	1	11/20/19	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND		190	120	ug/Kg	1	11/20/19	WB	SW8270D	
N-Nitrosodiphenylamine	ND		260	150	ug/Kg	1	11/20/19	WB	SW8270D	
Pentachloronitrobenzene	ND		260	140	ug/Kg	1	11/20/19	WB	SW8270D	
Pentachlorophenol	ND		230	140	ug/Kg	1	11/20/19	WB	SW8270D	
Phenanthrene	ND		260	110	ug/Kg	1	11/20/19	WB	SW8270D	
Phenol	ND		260	120	ug/Kg	1	11/20/19	WB	SW8270D	
Pyrene	ND		260	130	ug/Kg	1	11/20/19	WB	SW8270D	
Pyridine	ND		260	93	ug/Kg	1	11/20/19	WB	SW8270D	
QA/QC Surrogates										
% 2,4,6-Tribromophenol	86				%	1	11/20/19	WB	30 - 130 %	
% 2-Fluorobiphenyl	82				%	1	11/20/19	WB	30 - 130 %	
% 2-Fluorophenol	72				%	1	11/20/19	WB	30 - 130 %	
% Nitrobenzene-d5	74				%	1	11/20/19	WB	30 - 130 %	
% Phenol-d5	79				%	1	11/20/19	WB	30 - 130 %	
% Terphenyl-d14	75				%	1	11/20/19	WB	30 - 130 %	
Field Extraction	Completed						11/18/19		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 BRL=Below Reporting Level L=Biased Low J=Estimated Below RL 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.

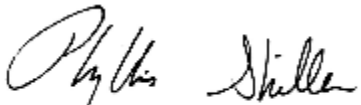
Comments:

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
November 20, 2019
Official Report Release To Follow

Sample Criteria Exceedances Report

GCE63471 - WALDENE

Criteria: NY: 375, 375NR, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CE63471	$PESTSMDPR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	4.9	2.2	3.3	3.3	ug/Kg
CE63473	$PCB_SMRDP	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	110	69	100	100	ug/Kg
CE63473	$PESTSMDPR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	15	2.1	3.3	3.3	ug/Kg
CE63475	$PCB_SMRDP	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	200	71	100	100	ug/Kg
CE63475	$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	6.8	2.1	3.3	3.3	ug/Kg
CE63475	$PESTSMDPR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	33	2.1	3.3	3.3	ug/Kg
CE63475	$PESTSMDPR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	11	2.1	3.3	3.3	ug/Kg
CE63479	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	380	180	330	330	ug/Kg
CE63479	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	380	180	330	330	ug/Kg
CE63479	$PESTSMDPR	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	10	3.7	5	5	ug/Kg
CE63479	$PESTSMDPR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	10	2.2	3.3	3.3	ug/Kg
CE63479	$PESTSMDPR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	5.3	2.2	3.3	3.3	ug/Kg
CE63479	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	30.7	0.35	30		mg/Kg
CE63480	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	34.7	0.43	30	30	mg/Kg
CE63482	$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	8.6	2.2	3.3	3.3	ug/Kg

NY/NJ CHAIN OF CUSTODY RECORD

Cooler: Yes ☒ No ☐
Coolant: IPK ☒ ICE ☒ No ☐
Temp 2.8 °C Pg of

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: 516-624-7260
☒ Email: nbrew@walden-associates.com

Customer: iPark East Fishkill LLC
Address: c/o Walden - 16 Spring St, Oyster Bay, NY 11771

Project: iPark 0118.28
Report to: Nora Brew
Invoice to: Mike Buckley
QUOTE # : iPark 0118

Project P.O: iPark 0118.28

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification
Sampler's Signature: [signature] Date: 11/18/19

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

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs (8260)	SVOCs (8270)	PCBs (8082A)	Pesticides (8081B)	TAL Metals (6010)	Herbicides (8151A)	GL Amber 8 oz. w/H3PO4	Soil VOA Vials [ ] methanol [X] H2O	GL Soil container (5) oz	GL Soil container ( ) 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
63471	SB-4 (0-5)	S	11/18/19	1320	X	X	X	X	X	X	1	1										
63472	SB-4 (5-10)	S	11/18/19	1320	X	X	X	X	X	X	1	1										
63473	SB-12 (0-5)	S	11/18/19	1300	X	X	X	X	X	X	1	1										
63474	SB-12 (5-10)	S	11/18/19	1300	X	X	X	X	X	X	1	1										
63475	SB-12 (10-15)	S	11/18/19	1300	X	X	X	X	X	X	1	1										
63476	SB-13 (0-5)	S	11/18/19	1315	X	X	X	X	X	X	1	1										
63477	SB-13 (5-10)	S	11/18/19	1315	X	X	X	X	X	X	1	1										
63478	SB-13 (10-15)	S	11/18/19	1315	X	X	X	X	X	X	1	1										
63479	SB-16 (0-5)	S	11/18/19	1415	X	X	X	X	X	X	1	1										
63480	SB-16 (5-10)	S	11/18/19	1415	X	X	X	X	X	X	1	1										

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	11-19-19	13:45
[signature]	[signature]	11-19-19	16:42

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

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

Comments, Special Requirements or Regulations:
24 hour TAT + ASP B Deliverables

What State were samples collected? NY

Cooler: Yes ☑ No ☐
Coolant: IPK ☐ ICE ☑ No ☐

Temp 18 °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: 516-624-7280
☒ Email: nbrew@walden-associates.com

Customer: Park East Fish Mill LLC
Address: c/o Walden 16 Spring Street Oyster Bay NY 11771

Project: Park 0118.28
Report to: N. Brew
Invoice to: Mike Buckley
QUOTE # :

Project P.O: Park 0118.28

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 11/18/19

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

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs	SVOCs	Pesticides	PCBs	Herbicides	TAL Metals (6010)			GL Amber 8 oz. w/H3PO4	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container (9) oz	GL Soil container ( ) 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
63481	SB-19 (0-5)	S	11/18/19	14:30	X	X	X	X	X	X	X	(MS)		1	1									
63482	SB-14 (5-10)	S	11/18/19	14:30	X	X	X	X	X	X	X	(MS)		1	1									

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	11-18-19	13:45
	[signature]	11-19-19	16:42

Comments, Special Requirements or Regulations:

24 hour TAT +
ASP B Deliverables

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

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