



Commercial Building 101-21 101st Street Queens, New York 11417

PHASE II LIMITED SUBSURFACE INVESTIGATION

MAY 23, 2022

PREPARED FOR:

LSC Development LLC 777 Lake Zurich Road, #195 Barrington, IL 60010

PREPARED BY:

The Vertex Companies, LLC 3322 Route 22, West, Suite 907 Branchburg, NJ 08876 PHONE 908.448.2627

VERTEX PROJECT NO: 79111



May 23, 2022

LSC Development LLC 777 Lake Zurich Road, #195 Barrington, IL 60010 Attn: Mr. Paul Bergin

RE: Phase II Limited Subsurface Investigation

Commercial Building 101-21 101st Street Queens, New York 11417 VERTEX Project No. 79111

Dear Mr. Bergin:

The Vertex Companies, LLC (VERTEX) is pleased to submit this Phase II Limited Subsurface Investigation (LSI) report for the above-referenced property (the "Site"). The purpose of this investigation was to determine the current soil, groundwater, sub-slab soil gas, and indoor air conditions at the Site due to the presence of recognized environmental conditions (RECs) identified during a Phase I Environmental Site Assessment prepared by VERTEX, dated April 29, 2022. The Phase II LSI was conducted in general conformance with proposal P. 4856.22 executed by LSC Development LLC on May 4, 2022, and in accordance with standard industry protocols and applicable New York State Department of Environmental Conservation (NYSDEC) technical guidelines. To the best of our knowledge, this Phase II LSI report is true and accurate.

Please do not hesitate to contact us at your convenience should you have any questions or comments regarding this report or our recommendations. It has been a pleasure working with you on this project.

Sincerely,

The Vertex Companies, LLC

Madalyn Kulas

Senior Project Manager

Joseph J.C. Dultz

Regional Vice President Director

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PHASE II LIMITED SUBSURFACE INVESTIGATION Commercial Building 101-21 101st Street Queens, New York 11417 VERTEX Project No. 79111

1.0 BACKGROUND INFORMATION

The Vertex Companies, LLC (VERTEX) was contracted by LSC Development LLC to conduct a Phase II Limited Site Investigation ("LSI") at 101-21 101st Street, Queens, New York (the "Site"). The Site location is depicted on Figure 1 - Site Location Map. According to the New York City Department of Finance, the subject property consists of one 0.75-acre parcel of land identified as Block 9419, Lot 49. The subject property is improved with an approximately 35,600 square-foot, two-story building constructed in 1947 and is currently occupied by Moving Right Along, a storage facility. An overall layout of the Site, with the approximate Site boundaries, is shown on Figure 2 – Site Plan. VERTEX conducted a Phase I Environmental Site Assessment (ESA) in April 2022. The Phase I ESA identified the following recognized environmental conditions (RECs):

- Historical on-site operations including machine shops, and various manufacturing operations.
- Three former underground storage tanks (USTs); one closed in place 1,080-gallon UST containing trichloroethylene (TCE), one closed in place 2,500-gallon No. 4 fuel oil UST, and one removed, 2,500-gallon No. 4 fuel oil UST with a lack of closure documentation, a lack of groundwater sampling, and inadequate soil sampling.
- The unknown status of the floor vault with impacted sediments confirmed during a prior
 Phase II investigation.
- The long-term historical industrial operations on off-site properties: and,
- Confirmed groundwater and soil vapor impacts at the site.



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A Phase II LSI was recommended to determine the current soil, groundwater, sub-slab soil gas, and indoor air conditions at the Site due to the presence of the RECs.



2.0 LIMITED SITE INVESTIGATION ACTIVITIES

In accordance with VERTEX proposal P.4856.22 executed by LSC Development on May 4, 2022, VERTEX performed a Phase II LSI of the Site. The Phase II LSI consisted of the following:

- A geophysical investigation to clear boring locations;
- The installation of soil borings and temporary monitoring wells;
- The collection and analysis of soil and groundwater samples;
- The installation of temporary sub-slab sampling ports; and,
- The collection of sub-slab soil gas (SSSV) and indoor/ambient air (IA/AA) samples.

The Phase II LSI is described in detail in the following sections.

2.1 Health and Safety Plan

Prior to initiating field activities, a Health & Safety Plan (HASP) was prepared to guide the conduct of the work in the event that regulated constituents were encountered during the performance of the field activities. The purpose of the HASP was to minimize the likelihood of exposure of VERTEX employees to hazardous concentrations of chemicals during field activities, minimize impacts to the environment, and provide safety guidelines for subcontractors. Field activities were completed in accordance with OSHA level D personal protective equipment ("PPE") consisting of hard hats, safety glasses, protective gloves and steel toed boots.

2.2 Geophysical Investigation

VERTEX retained the services of Clean Globe Environmental LLC (Clean Globe) of Brentwood, New York to perform a geophysical survey to "clear" proposed drilling and SSSV locations to ensure



that they were free of subsurface utilities or structures. Clean Globe utilized ground penetrating radar (GPR) and electromagnetic (EM) equipment during their survey.

The proposed drilling locations and SSSV sample locations were "cleared" by Clean Globe on May 9, 2022. The former UST and closed-in-place UST location were identified; however, the former floor vault was unable to be located during this investigation. A geophysical report was not prepared; however, VERTEX was on-site during the investigation to confirm the findings.

In addition, VERTEX's drilling subcontractor, Clean Globe, contacted the New York One Call program to coordinate the mark-out of public utilities.

2.3 Soil Boring Installation with Soil Sampling

Clean Globe was retained by VERTEX to advance soil borings at the Site using direct-push (i.e. Geoprobe®) drilling techniques. The soil borings were advanced on May 9 and 10, 2022, under the oversight and supervision of VERTEX field staff. A total of six borings were advanced at the Site. Soil borings were installed adjacent to RECs, in areas not previously investigated, and in the sidewalk along 101st Street downgradient from the Site. The soil boring locations are depicted on Figure 2.

Soil samples were continuously collected in five-foot acetate sleeves as each boring was advanced. Recovered soil samples were screened in the field for the presence of total volatile organic vapors using a photoionization detector (PID) calibrated to 100 parts per million (ppm) by volume of isobutylene. Visual and olfactory observations were utilized to assess the soil for evidence of suspected regulated constituents. The observed soil types, field screening readings, notations of regulated constituent's presence were recorded on soil boring logs. Soil boring logs are included as Appendix A.



Shallow soil at the Site consisted of brown medium-grained sand with traces of gravel to depths of 30 feet below ground surface (bgs). Groundwater was encountered between 24 and 29 feet bgs in the temporary wells.

The soil samples were analyzed for volatile organic compounds (VOCs) via United States Environmental Protection Agency (USEPA) Method 8260. The soil samples collected from adjacent to the closed in place and removed fuel oil USTs were additionally analyzed for semi-volatile organic compounds (SVOCs) via USEPA Method 8270. The soil samples were submitted under chain of custody to Alpha Analytical (Alpha) of Westborough, Massachusetts for the analyses referenced above (New York Environmental Laboratory Approval Program (ELAP) No. 11148).

The following table provides a summary of the soil sampling, depths, rationale, and laboratory analysis.

Sample ID	Boring Depth (feet bgs)	Sample Depth (feet bgs)	Location
VTX-SB-1	35	30-30.5	Adjacent to the closed in place NW fuel oil UST
VTX-SB-2	30	26-26.5	Adjacent to the closed in place TCE UST
VTX-SB-3	35	10-10.5	Adjacent to the hydraulic elevator
VTX-SB-4	35	No sample collected	SW corner of the building. Unable to locate the former floor vault. No evidence of impacts observed; accordingly, no sample was collected.
VTX-SB-5	34	8-8.5	Adjacent to the removed fuel oil UST
VTX-SB-6	30	23.5-24	Southwest corner of the site building, in the sidewalk along 101st Street



2.3.1 Soil Analytical Results

The results of the soil samples analyses were compared to the New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (SCOs) for Commercial Use (RUSCO-C), for Protection of Groundwater (RUSC-GW) and for Unrestricted Use (UUSCO). Based on the current Site use, the most applicable SCOs are the RUSCO-C. Review of the soil analytical results identified the following constituents above SCOs:

		Soil Results		
Sample ID	Sample Depth (feet bgs)	Constituents >UUSCO	Constituents >RUSCO-C	Constituents >RUSCO-GW
VTX-01	30-30.5	-	-	
VTX-02	26-26.5			
VTX-03	10-10.5	-	-	
VTX-04	No sample collected	NA	NA	NA
VTX-05	8-8.5			
VTX-06	23.5-24			

No exceedancesNA – Not analyzed

A summary of the soil analytical results is included as Table 1. The laboratory data package for the soil sampling is provided in Appendix B.

Review of the soil analytical results identified that no contaminants were detected at concentrations exceeding the RUSCO-C, RUSCO-GW, or the UUSCO in any of the soil samples. Low concentrations of tetrachloroethylene (PCE) and trichloroethylene (TCE), solvents previously stored and used at the site, were detected in several of the soil samples but at concentrations below the UUSCOs.

2.4 Temporary Monitoring Well Installation and Groundwater Sampling



During the investigation, all six of the soil borings were converted into temporary wells. The locations of the temporary monitoring wells are depicted on Figure 2. Groundwater stabilized in the temporary monitoring wells at depths between 24 and 29 feet bgs.

The temporary monitoring wells were constructed of ten feet of 1-inch diameter Schedule 40 slotted (0.01-inch) polyvinyl chloride ("PVC") screen and 1-inch diameter PVC riser to grade. The temporary monitoring wells were installed so that the screened interval straddled the shallow water table in each boring.

The temporary monitoring wells were sampled the same day as installation. A groundwater sample was also collected from a permanent monitoring well (B-4W) installed in the sidewalk along 101st Street on the northwestern side of the of the site building as part of a geotechnical evaluation. The temporary monitoring wells were purged using dedicated polyethylene tubing and a peristaltic pump prior to sample collection to remove drilling materials from the screened portion of the well. Purge development water was discharged to the borehole after sampling was completed.

No evidence of a visible sheen, odors, or elevated PID readings were observed in the temporary well during the development or sampling activities. The groundwater samples were collected using a dedicated, disposable weighted bailer. The groundwater sample was submitted to Alpha and analyzed for VOCs. The samples collected near the closed in place and removed fuel oil USTs and the southwestern side of the site (near the suspected location of the former floor vault) were additionally analyzed for SVOCs.

Once sampling activities were complete, the temporary well screen was removed, and each borehole location was backfilled to grade with previously removed soil and bentonite. The surface restoration included patching of the concrete building slab and sidewalk to match existing conditions.



2.4.1 Groundwater Analytical Results – Temporary Monitoring Wells

The results of the groundwater sample analyses were compared to the NYSDEC Ambient Water Quality Standards (AWQS) and the NYSDEC Groundwater Effluent Limitations (Class GA). Review of the groundwater analytical data identified the following:

	Groundwater Results	
Sample Location	Constituents >AWQS	Constituents >CLASS GA
VTX-TW-1	Benzo(a)anthracene Benzo(a)pyrene Benz(b)fluoranthene Benzo(k)fluoranthene Chrysene Indeno(1,2,3-cd)pyrene	Benzo(a)anthracene Benzo(a)pyrene Benz(b)fluoranthene Benzo(k)fluoranthene Chrysene Indeno(1,2,3-cd)pyrene
VTX-TW-2	PCE TCE	PCE TCE
VTX-TW-3	PCE TCE	PCE TCE
VTX-TW-4	Benzo(a)anthracene Benzo(a)pyrene Benz(b)fluoranthene Benzo(k)fluoranthene Chrysene Indeno(1,2,3-cd)pyrene	Benzo(a)anthracene Benzo(a)pyrene Benz(b)fluoranthene Benzo(k)fluoranthene Chrysene Indeno(1,2,3-cd)pyrene
VTX-TW-5	TCE Benzo(a)anthracene Benzo(a)pyrene Benz(b)fluoranthene Benzo(k)fluoranthene Chrysene Indeno(1,2,3-cd)pyrene	TCE Benzo(a)anthracene Benzo(a)pyrene Benz(b)fluoranthene Benzo(k)fluoranthene Chrysene Indeno(1,2,3-cd)pyrene
VTX-TW-6	TCE	TCE
B-4W		

⁻⁻ No exceedances

PCE and TCE were detected in groundwater at concentrations exceeding the AWQS and Class GA, which indicates that the former site operations have impacted the site. Polycyclic aromatic hydrocarbons (PAHs) were detected in the three groundwater samples that were analyzed for



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SVOCs. Based on a lack of detections of PAHs in the soil samples and the turbid nature of the samples collected from temporary monitoring wells, these exceedances are not indicative of a release from the former USTs or floor vault. A summary of the groundwater analytical results for the temporary monitoring well is included as Table 2. The laboratory data package for the groundwater samples is provided in Appendix B.



3.0 VAPOR INTRUSION SAMPLING

3.1 Sub-Slab Soil Vapor Sampling

On May 9, 2022, VERTEX installed five temporary SSSV sample probes VTX-SG-1 through VTX-SG5 throughout the Site building. The locations were selected to either confirm previous Phase II LSI results or fill in data gaps. SSSV samples were completed by drilling 3/8-inch core holes through the concrete slab. The sample locations are depicted on Figure 2.

Teflon tubing was installed into the drilled core hole to facilitate the collection of soil vapor from beneath the concrete slab into stainless steel 6-liter Summa canisters. The tubing was connected to the Summa canister using a compression fitting and the other end of the tubing was placed several inches into the concrete core hole. A seal consisting of Teflon tape and non- VOC-emitting modeling clay was utilized to seal the tubing within the core hole to prevent air leakage. All sample trains were tested for leaks utilizing helium tracer test. All leak test results were acceptable.

The entire sample train was purged of approximately three air volumes prior to sample collection at a rate that did not exceed 200 milliliters per minute. Following purging, the sample valves of the six-liter Summa canisters were opened to initiate sample collection. The sub-slab samples were collected over an approximate two-hour timeframe. Following sample collection, the tubing was removed, and the concrete core holes were sealed with concrete.

Indoor and ambient weather conditions, including temperature and atmospheric pressure, were collected and recorded on field sampling data sheets during the sampling event. The sub-slab soil vapor samples were collected into laboratory-supplied, pre-cleaned Summa canisters and were submitted to Alpha for laboratory analysis of VOCs by USEPA Method TO-15.



3.1.1 SSSV Analytical Results

The New York State Department of Health (NYSDOH) provides guidance for vapor intrusion investigations in New York State. The NYSDOH guidance document utilizes three decision matrices to determine a course of action to address current and potential exposures related to soil vapor intrusion. In order to use the matrices, SSSV and IA samples must be collected. IA samples were collected in advance of co-located SSSV samples during this investigation, and the IA sampling and analytical results are discussed in Section 3.2.1.

The results of the SSSV sampling identified the following:

Constituents in SSSV in Excess of NYSDOH Matrices

SAMPLE ID	MATRIX A	MATRIX B	MATRIX C
VTX-SG1	cis-1,2-Dichloroethene TCE	PCE	
VTX-SG2	cis-1,2-Dichloroethene TCE	PCE	
VTX-SG3	cis-1,2-Dichloroethene TCE	1,1,1-Trichloroethane PCE	
VTX-SG4	cis-1,2-Dichloroethene TCE	1,1,1-Trichloroethane PCE	
VTX-SG5	cis-1,2-Dichloroethene TCE		

⁻⁻ No exceedances

It should be noted, the reporting limits for 1,1-dichloroethene, carbon tetrachloride, methylene chloride, and 1,1,1-trichloroethane were elevated due to the high concentrations of PCE and TCE in the samples. A discussion of the vapor intrusion investigation results is provided in Section 4.0. A summary of the SSSV analytical results is included in Table 3. The laboratory data package for the SSSV samples is provided in Appendix C.



3.2 Indoor Air Sampling

On May 6, 2022, five IA samples (VTX) were collected from the SSSV locations. In addition, one AA sample (AA) was collected from the southern parking lot. The sample locations are depicted on Figure 2.

The air samples were collected using stainless steel 6-liter Summa canisters over an 8-hour sample duration. Once the required air samples were collected, they were submitted under chain-of-custody procedures to Alpha for VOC analysis via USEPA Method TO-15.

3.2.1 IA Analytical Results

The IA and AA sample results were compared to the decision matrix values presented in the NYSDOH *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York* dated October 2006, and the NYSDOH *May 2017: Updates to Soil Vapor/Indoor Air Decision Matrices*. In addition, the IA and AA sample results were compared to the Indoor Air Quality Guidance Values.

The March 2020 indoor/ambient air sampling identified the following:

Constituents in IA/AA in Excess of NYSDOH Matrices

SAMPLE ID	MATRIX A	MATRIX B	MATRIX C
VTX-IA-1	Carbon tetrachloride cis-1,2-Dichloroethene TCE	Methylene chloride PCE	
VTX-IA-2	Carbon tetrachloride cis-1,2-Dichloroethene TCE	Methylene chloride PCE	
VTX-IA-3	Carbon tetrachloride TCE	Methylene chloride	



SAMPLE ID	MATRIX A	MATRIX B	MATRIX C
VTX-IA-4	Carbon tetrachloride cis-1,2-Dichloroethene TCE	Methylene chloride	
VTX-IA-5	Carbon tetrachloride TCE	Methylene chloride	
VTX-AA-1	Carbon tetrachloride		

⁻⁻ No exceedances

A discussion of the vapor intrusion investigation results is provided in Section 4.0. A summary of the indoor/ambient air analytical results compared to the NYSDOH decision matrix values and NYSDOH air guidelines values is included in Table 4. The results provided in Table 3 are utilized to evaluate VI concerns. The laboratory data package for the IA and ambient air samples is provided in Appendix C.



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4.0 NYSDOH SOIL VAPOR/INDOOR AIR MATRIX EVALUATION

To evaluate the potential VI concerns at the site, VERTEX utilized the NYSDOH Soil Vapor/Indoor Air Matrix Guidance (May 2017), which presents decision-making matrices and provides

recommended actions based on toxicity data and risk assessments for eight chemicals. The

following is a summary of the findings and recommended actions for the constituents identified

in exceedance of the soil vapor and/or indoor air criteria.

Carbon Tetrachloride

Carbon tetrachloride was identified in the IA and AA samples at concentrations ranging from

0.591 micrograms per cubic meter (ug/m3) to 0.648 ug/m3. The detection of carbon

tetrachloride in the AA sample at a concentration similar to the IA samples suggests a potential

background source or laboratory contamination. In addition, carbon tetrachloride was not

detected in the SSSV samples.

Methylene Chloride

Methylene chloride was identified in the IA samples at concentrations ranging from 11

micrograms per cubic meter (ug/m3) to 129 ug/m3. Methylene chloride was not detected in the

SSSV samples; however, the reporting limits were elevated due to the presence of high

concentrations of other compounds. Vapor intrusion cannot be ruled out.

Cis-1,2-Dichloroethene

At all sampling locations, mitigation is required per the NYSDOH matrix.

TCE

At all sampling locations, mitigation is required per the NYSDOH matrix.

PCE

- At VTX-SG1/VTX-IA-1, the soil vapor detection of 28,000 ug/m3 and IA concentration of 21.6 ug/m3 requires mitigation per the NYSDOH matrix.
- At VTX-SG2/VTX-IA-2, the soil vapor detection of 2,350 ug/m3 and IA concentration of 3.64 ug/m3 requires mitigation per the NYSDOH matrix.
- At VTX-SG3/VTX-IA-3, the soil vapor detection of 1,760 ug/m3 and IA concentration of 1.52 ug/m3 requires mitigation per the NYSDOH matrix.
- At VTX-SG4/VTX-IA-4, the soil vapor detection of 374 ug/m3 and IA concentration of 1.3 ug/m3 requires no further action per the NYSDOH matrix.
- At VTX-SG5/VTX-IA-5, the soil vapor detection of 62.4 ug/m3 and IA concentration of 1.3 ug/m3 requires no further action per the NYSDOH matrix.



5.0 CONCLUSIONS AND RECOMMENDATIONS

VERTEX has performed a Phase II LSI at 101-21 101st Street, Queens, New York. The objective of the Phase II LSI was to determine the current soil, groundwater, sub-slab soil gas, and indoor air conditions at the Site due to the presence of RECs identified during a Phase I ESA:

- A geophysical investigation to clear boring locations;
- The installation of soil borings and temporary monitoring wells;
- The collection and analysis of soil and groundwater samples;
- The installation of temporary sub-slab sampling ports; and,
- The collection of SSSV and IA/AA samples.

The findings of the Phase II LSI are summarized below:

Soil

- Soil consisted of brown medium-grained sand with traces of gravel to depths of 30 feet bgs.
- Soil exceedances were not identified during the Phase II LSI; however, based on the other results of the Phase II LSI (summarized below), a hot spot area/area of CVOC contamination are likely to be encountered during site redevelopment.

Groundwater

- Groundwater was encountered between 24 and 29 feet bgs in the temporary wells.
- Groundwater concentrations of CVOCs were detected at the highest concentrations in the vicinity of the abandoned TCE UST (VTX-TW-3) and downgradient of the UST (VTX-TW-2, VTX-TW-5, and VTX-TW-6). A source area may be present near the UST and/or former waste lines. The waste lines could not be located during the Phase II LSI.



- Additionally, a source area may be located in the vicinity of the former solvent storage areas (northeast corner of the building) based on the sub-slab soil gas sampling results.
- A previous Phase II investigation concluded that the western adjacent property had impacted the site; however, based on the results of VERTEX's investigation and a review of reports associated with the adjacent property, VERTEX opines that the impacts identified onsite are related to former site operations and not the western adjacent property, as groundwater flows to the south-southwest.

SSSV/IA/AA

• The highest concentrations of TCE detected in sub-slab soil gas were located in the vicinity of the TCE UST (VTX-SG3) and downgradient from the UST (VTX-SG4 and VTX-SG5). An additional CVOC source area may be located in the northeastern portion of the building (former solvent storage area) as PCE was detected in the highest concentrations in samples VTX-SG1 and VTX-SG2, which are downgradient from the former storage area and upgradient of other CVOC contamination identified at the site. Contamination in the northeast portion of the building may be related to an unknown offsite upgradient source; however, a suspected source was not identified in the Phase I ESA.

Based on these findings, VERTEX recommends the following:

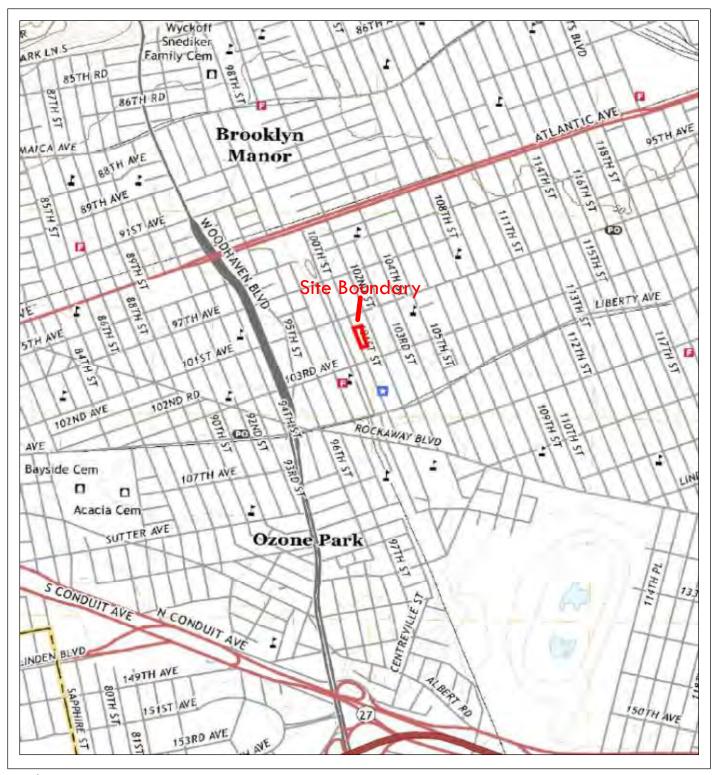
- Preparation of a Soil and Groundwater Management Plan (SGMP) to ensure that all
 excavated soils, potentially impacted soils related to current or former USTs and any USTs
 that may be discovered, and any CVOC hot spot area(s) are managed properly in
 accordance with applicable regulations;
- Removal of the remaining abandoned USTs;
- Additional site characterization to identify the source(s) of the CVOC contamination and delineate groundwater and sub-slab soil gas impacts;



- Remediation of the identified impacts through the NYSDEC Brownfield Cleanup Program
 (BCP) or New York City Office of Environmental Remediation (NYC OER) Voluntary
 Cleanup Program (VCP) or other applicable program which may include:
- · Hot spot excavation if a source is identified
- Possible groundwater treatment via in-situ chemical injections
- Characterization of surplus soil scheduled for excavation and offsite disposal prior to foundation excavation so the soil management costs can be understood in advance;
- Design and installation of a vapor barrier in the proposed building;
- Design and installation of a sub-slab depressurization system (SSDS) in the proposed building; and,
- Post-remediation indoor air sampling to confirm the effectiveness of the remediation.





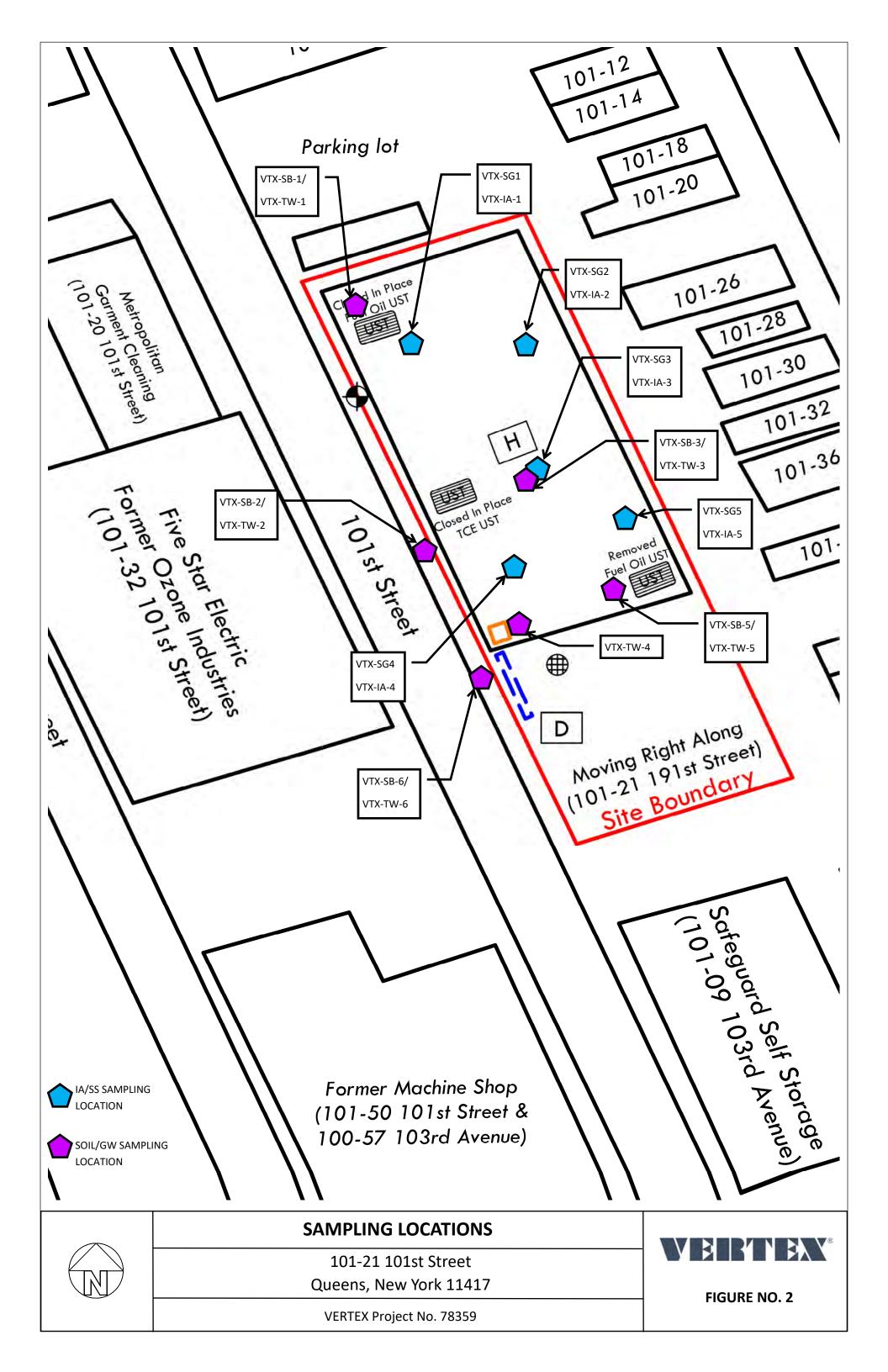




NOTES: SOURCE: UNITED STATES GEOLOGICAL SURVEY MAP JAMAICA, NY QUADRANGLE 7.5 MINUTES SERIES (2019)

SITE LOCUS MAP			
Commercial Property 101-21 101st Street Queens, New York 11417	NOT TO S Date:	CALE April 2022	FIGURE 1
	Job No.:	78359	<u> </u>

VERTEX*
400 LIBBEY PARKWAY
WEYMOUTH, MA 02189
(T): 781.952.6000



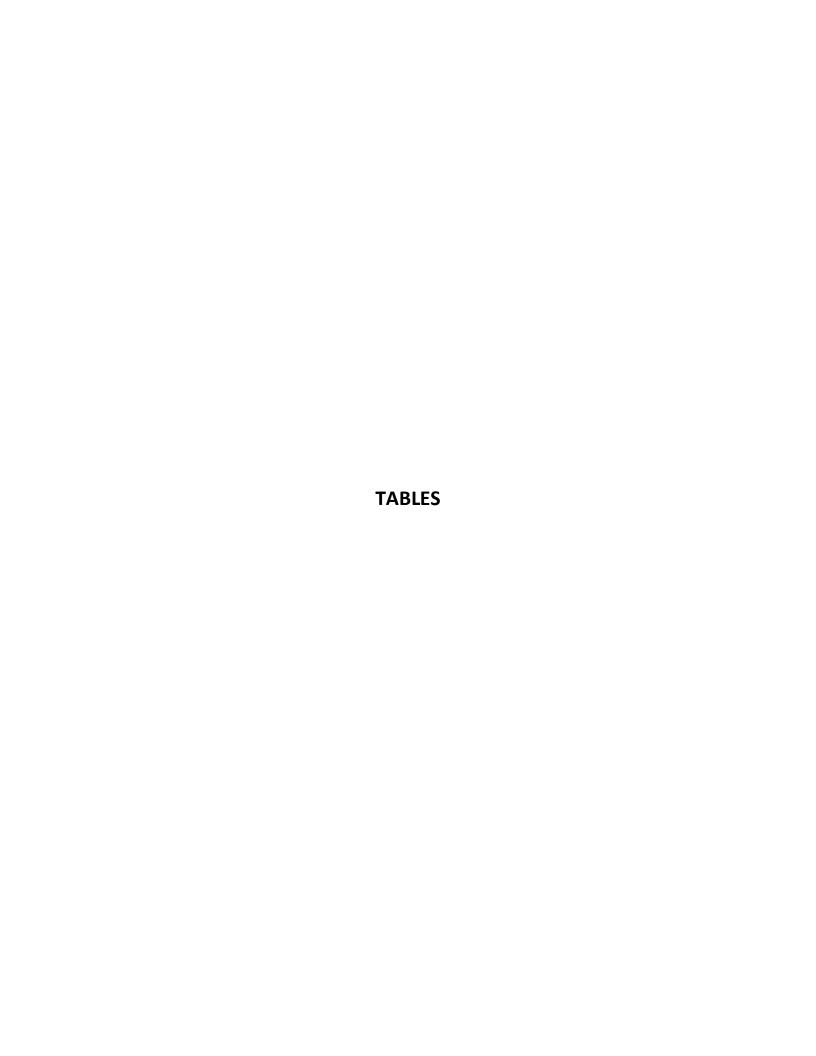


Table 1 - Summary of Soil Sampling Results 101-21 101st Street Queens, New York VERTEX Project No. 79111

							VERIE	X Project No. 7	9111										
SAMPLE ID:					VTX-SB-1 (30.0-3	0.5)		VTX-SB-2 (26.0-	26.5)		VTX-SB-3 (10.0	-10.5)		VTX-SB-5 (8.0-	8.5)		VTX-SB-6 (23.5-2	.4.0)	
LAB ID:					L2224545-01			L2224545-0	2		L2224545-0	13		L2224545-05	5		L2224545-06		
COLLECTION DATE:	NY-RESC	NY-RESGW	NY-UNRES		5/9/2022			5/9/2022			5/10/2022			5/10/2022			5/9/2022		
SAMPLE DEPTH:					30.0-30.5			26.0-26.5			10.0-10.5			8.0-8.5			23.5-24.0		
LOCATION:				Α	djacent to F.O. US	T (NW)		Adjacent to TCE UST			cent to hydraul	ic elevator	Adja	acent to removed	F.O. UST		SW corner of buil	ding	
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q RL	MDL	Conc	Q RL	MDL	Conc	Q RL	MDL	Conc	Q RL	MDL	Conc	Q RL	MDL	
VOLATILE ORGANICS BY EPA 5035																			
1,1,1,2-Tetrachloroethane	NS	NS	NS	ND	0.00057	0.00015	ND	0.00059	0.00016	ND	0.00071	0.00019	ND	0.00064	0.00017	ND	0.00066	0.00018	
1,1,1-Trichloroethane	500	0.68	0.68	ND	0.00057	0.00019	ND	0.00059	0.0002	ND	0.00071	0.00024	ND	0.00064	0.00022	ND	0.00066	0.00022	
1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane	NS NS	NS NS	NS NS	ND ND	0.00057 0.0011	0.00019	ND ND	0.00059 0.0012	0.0002	ND ND	0.00071	0.00024	ND ND	0.00064	0.00021 0.00034	ND ND	0.00066	0.00022	
1.1-Dichloroethane	240	0.27	0.27	ND	0.0011	0.0003	ND	0.0012	0.00031	ND ND	0.0014	0.00038	ND ND	0.0013	0.00034	ND	0.0013	0.00030	
1,1-Dichloroethene	500	0.33	0.33	ND	0.0011	0.00017	ND	0.0012	0.00028	ND	0.0014	0.00021	ND	0.0013	0.00013	ND	0.0013	0.00032	
1,1-Dichloropropene	NS	NS	NS	ND	0.00057	0.00018	ND	0.00059	0.00019	ND	0.00071	0.00023	ND	0.00064	0.0002	ND	0.00066	0.00021	
1,2,3-Trichlorobenzene	NS	NS	NS	ND	0.0023	0.00037	ND	0.0024	0.00038	ND	0.0028	0.00046	ND	0.0026	0.00042	ND	0.0027	0.00043	
1,2,3-Trichloropropane	NS	NS	NS	ND	0.0023	0.00014	ND	0.0024	0.00015	ND	0.0028	0.00018	ND	0.0026	0.00016	ND	0.0027	0.00017	
1,2,4,5-Tetramethylbenzene	NS	NS	NS	ND	0.0023	0.00022	ND	0.0024	0.00022	ND	0.0028	0.00027	ND	0.0026	0.00025	ND	0.0027	0.00025	
1,2,4-Trichlorobenzene	NS	NS	NS	ND	0.0023	0.00031	ND	0.0024	0.00032	ND	0.0028	0.00039	ND	0.0026	0.00035	ND	0.0027	0.00036	
1,2,4-Trimethylbenzene	190	3.6	3.6	ND	0.0023	0.00038	ND ND	0.0024	0.00039	ND ND	0.0028	0.00048	ND	0.0026	0.00043	ND	0.0027	0.00044	
1,2-Dibromo-3-chloropropane 1,2-Dibromoethane	NS NS	NS NS	NS NS	ND ND	0.0034 0.0011	0.0011	ND ND	0.0035 0.0012	0.0012	ND ND	0.0043 0.0014	0.0014	ND ND	0.0039	0.0013 0.00036	ND ND	0.004	0.0013 0.00037	
1,2-Dichlorobenzene	500	1.1	1.1	ND	0.0023	0.00032	ND	0.0012	0.00033	ND	0.0014	0.0004	ND	0.0013	0.00036	ND	0.0013	0.00037	
1,2-Dichloroethane	30	0.02	0.02	ND	0.0023	0.00010	ND	0.0024	0.0003	ND	0.0028	0.0002	ND	0.0020	0.00013	ND	0.0027	0.00013	
1,2-Dichloroethene, Total	NS	NS	NS	ND	0.0011	0.00025	ND	0.0012	0.00016	ND	0.0014	0.0002	ND	0.0013	0.00018	ND	0.0013	0.00018	
1,2-Dichloropropane	NS	NS	NS	ND	0.0011	0.00014	ND	0.0012	0.00015	ND	0.0014	0.00018	ND	0.0013	0.00016	ND	0.0013	0.00017	
1,3,5-Trimethylbenzene	190	8.4	8.4	ND	0.0023	0.00022	ND	0.0024	0.00023	ND	0.0028	0.00028	ND	0.0026	0.00025	ND	0.0027	0.00026	
1,3-Dichlorobenzene	280	2.4	2.4	ND	0.0023	0.00017	ND	0.0024	0.00017	ND	0.0028	0.00021	ND	0.0026	0.00019	ND	0.0027	0.0002	
1,3-Dichloropropane	NS	NS	NS	ND	0.0023	0.00019	ND	0.0024	0.0002	ND	0.0028	0.00024	ND	0.0026	0.00022	ND	0.0027	0.00022	
1,3-Dichloropropene, Total	NS 430	NS 4.0	NS	ND	0.00057	0.00018	ND	0.00059	0.00019	ND	0.00071	0.00022	ND	0.00064	0.0002	ND	0.00066	0.00021	
1,4-Dichlorobenzene	130 130	1.8 0.1	1.8 0.1	ND	0.0023	0.0002	ND ND	0.0024 0.094	0.0002	ND ND	0.0028 0.11	0.00024	ND	0.0026 0.1	0.00022	ND ND	0.0027	0.00023	
1,4-Dioxane 2,2-Dichloropropane	130 NS	0.1 NS	0.1 NS	ND ND	0.091 0.0023	0.04	ND ND	0.094	0.041	ND ND	0.11	0.05 0.00029	ND ND	0.1	0.045 0.00026	ND ND	0.11 0.0027	0.047 0.00027	
2-Butanone	500	0.12	0.12	ND	0.0023	0.00025	ND	0.0024	0.0024	ND	0.014	0.00023	ND	0.013	0.0029	ND	0.0027	0.00027	
2-Hexanone	NS	NS	NS	ND	0.011	0.0013	ND	0.012	0.0014	ND	0.014	0.0017	ND	0.013	0.0015	ND	0.013	0.0016	
4-Methyl-2-pentanone	NS	NS	NS	ND	0.011	0.0015	ND	0.012	0.0015	ND	0.014	0.0018	ND	0.013	0.0016	ND	0.013	0.0017	
Acetone	500	0.05	0.05	ND	0.011	0.0055	ND	0.012	0.0057	ND	0.014	0.0069	ND	0.013	0.0062	ND	0.013	0.0064	
Acrylonitrile	NS	NS	NS	ND	0.0046	0.0013	ND	0.0047	0.0014	ND	0.0057	0.0016	ND	0.0052	0.0015	ND	0.0053	0.0015	
Benzene	44	0.06	0.06	ND	0.00057	0.00019	ND	0.00059	0.0002	ND	0.00071	0.00024	ND	0.00064	0.00021	ND	0.00066	0.00022	
Bromobenzene	NS	NS	NS	ND	0.0023	0.00016	ND	0.0024	0.00017	ND	0.0028	0.00021	ND	0.0026	0.00019	ND	0.0027	0.00019	
Bromochloromethane	NS	NS NG	NS	ND	0.0023	0.00023	ND	0.0024	0.00024	ND	0.0028	0.00029	ND	0.0026	0.00026	ND	0.0027	0.00027	
Bromodichloromethane Bromoform	NS NS	NS NS	NS NS	ND ND	0.00057 0.0046	0.00012	ND ND	0.00059 0.0047	0.00013	ND ND	0.00071	0.00016 0.00035	ND ND	0.00064	0.00014 0.00032	ND ND	0.00066	0.00014	
Bromomethane	NS NS	NS NS	NS NS	ND	0.0046	0.00028	ND	0.0047	0.00029	ND ND	0.0057	0.00033	ND ND	0.0052	0.00032	ND	0.0053	0.00033	
Carbon disulfide	NS	NS NS	NS	ND	0.0023	0.0052	ND	0.0024	0.0054	ND	0.0020	0.0065	ND	0.013	0.0059	ND	0.013	0.006	
Carbon tetrachloride	22	0.76	0.76	ND	0.0011	0.00026	ND	0.0012	0.00027	ND	0.0014	0.00033	ND	0.0013	0.0003	ND	0.0013	0.00031	
Chlorobenzene	500	1.1	1.1	ND	0.00057	0.00014	ND	0.00059	0.00015	ND	0.00071	0.00018	ND	0.00064	0.00016	ND	0.00066	0.00017	
Chloroethane	NS	NS	NS	ND	0.0023	0.00052	ND	0.0024	0.00053	ND	0.0028	0.00064	ND	0.0026	0.00058	ND	0.0027	0.0006	
Chloroform	350	0.37	0.37	ND	0.0017	0.00016	ND	0.0018	0.00016	ND	0.0021	0.0002	ND	0.0019	0.00018	ND	0.002	0.00019	
Chloromethane	NS	NS	NS	ND	0.0046	0.0011	ND	0.0047	0.0011	ND	0.0057	0.0013	ND	0.0052	0.0012	ND	0.0053	0.0012	
cis-1,2-Dichloroethene	500	0.25	0.25	ND	0.0011	0.0002	ND	0.0012	0.00021	ND	0.0014	0.00025	ND	0.0013	0.00022	ND	0.0013	0.00023	
cis-1,3-Dichloropropene	NS	NS NS	NS NS	ND ND	0.00057 0.0011	0.00018	ND ND	0.00059 0.0012	0.00019 0.00016	ND ND	0.00071 0.0014	0.00022	ND ND	0.00064 0.0013	0.0002 0.00018	ND ND	0.00066 0.0013	0.00021 0.00019	
Dibromochloromethane Dibromomethane	NS NS	NS NS	NS NS	ND	0.0011	0.00016	ND	0.0012	0.00018	ND	0.0014	0.0002	ND ND	0.0013	0.00018	ND	0.0013	0.00019	
Dichlorodifluoromethane	NS NS	NS NS	NS NS	ND	0.0023	0.00027	ND	0.0024	0.00028	ND	0.0028	0.00034	ND	0.0026	0.00031	ND	0.0027	0.00032	
Ethyl ether	NS	NS	NS	ND	0.0023	0.00039	ND	0.0024	0.0004	ND	0.0028	0.00049	ND	0.0026	0.00044	ND	0.0027	0.00045	
Ethylbenzene	390	1	1	0.00016	J 0.0011	0.00016	0.00019	J 0.0012	0.00017	ND	0.0014	0.0002	ND	0.0013	0.00018	ND	0.0013	0.00019	
Hexachlorobutadiene	NS	NS	NS	ND	0.0046	0.00019	ND	0.0047	0.0002	ND	0.0057	0.00024	ND	0.0052	0.00022	ND	0.0053	0.00022	
Isopropylbenzene	NS	NS	NS	ND	0.0011	0.00012	ND	0.0012	0.00013	ND	0.0014	0.00016	ND	0.0013	0.00014	ND	0.0013	0.00014	
Methyl tert butyl ether	500	0.93	0.93	ND	0.0023	0.00023	ND	0.0024	0.00024	ND	0.0028	0.00029	ND	0.0026	0.00026	ND	0.0027	0.00027	
Methylene chloride	500	0.05	0.05	ND	0.0057	0.0026	ND	0.0059	0.0027	ND	0.0071	0.0033	ND	0.0064	0.003	ND	0.0066	0.003	
Naphthalene n-Butvlbenzene	500 500	12	12 12	ND ND	0.0046 0.0011	0.00074	ND ND	0.0047 0.0012	0.00077	ND ND	0.0057 0.0014	0.00093	ND ND	0.0052 0.0013	0.00084 0.00022	ND ND	0.0053	0.00086	
n-Butylbenzene n-Propylbenzene	500	12 3.9	3.9	ND ND	0.0011	0.00019	ND ND	0.0012	0.0002	ND ND	0.0014	0.00024	ND ND	0.0013	0.00022	ND ND	0.0013	0.00022 0.00023	
o-Chlorotoluene	NS NS	NS NS	NS	ND	0.0023	0.0002	ND	0.0012	0.0002	ND	0.0014	0.00024	ND	0.0013	0.00022	ND	0.0013	0.00025	
o-Xylene	NS	NS	NS	ND	0.0011	0.00033	ND	0.0012	0.00034	ND	0.0014	0.00042	ND	0.0013	0.00038	ND	0.0013	0.00029	
p/m-Xylene	NS	NS	NS	0.00066	J 0.0023	0.00064	0.00086	J 0.0024	0.00066	0.00085	J 0.0028	0.0008	0.00073	J 0.0026	0.00072	0.00074	J 0.0027	0.00074	
p-Chlorotoluene	NS	NS	NS	ND	0.0023	0.00012	ND	0.0024	0.00013	ND	0.0028	0.00015	ND	0.0026	0.00014	ND	0.0027	0.00014	
p-Diethylbenzene	NS	NS	NS	ND	0.0023	0.0002	ND	0.0024	0.00021	ND	0.0028	0.00025	ND	0.0026	0.00023	ND	0.0027	0.00024	
p-Ethyltoluene	NS	NS	NS	ND	0.0023	0.00044	ND	0.0024	0.00045	ND	0.0028	0.00055	ND	0.0026	0.0005	ND	0.0027	0.00051	
p-Isopropyltoluene	NS 500	NS	NS	ND	0.0011	0.00012	ND	0.0012	0.00013	ND	0.0014	0.00016	ND	0.0013	0.00014	ND	0.0013	0.00014	
sec-Butylbenzene	500	11 NC	11	ND	0.0011	0.00017	ND	0.0012	0.00017	ND ND	0.0014	0.00021	ND	0.0013	0.00019	ND	0.0013	0.00019	
Styrene tart-Rutylhenzene	NS 500	NS 5.9	NS 5.9	ND ND	0.0011 0.0023	0.00022	ND ND	0.0012 0.0024	0.00023	ND ND	0.0014	0.00028	ND ND	0.0013 0.0026	0.00025 0.00015	ND ND	0.0013 0.0027	0.00026 0.00016	
tert-Butylbenzene Tetrachloroethene	150	1.3	1.3	0.00056	J 0.00057	0.00013	0.0003	J 0.0024	0.00014	ND ND	0.0028	0.00017	ND ND	0.0026	0.00015	ND ND	0.0027	0.00016	
Toluene	500	0.7	0.7	ND	0.0011	0.00062	0.0003 ND	0.0012	0.00023	ND	0.0014	0.00028	ND	0.0004	0.00023	ND	0.0003	0.00020	
trans-1,2-Dichloroethene	500	0.19	0.19	ND	0.0017	0.00016	ND	0.0018	0.00016	ND	0.0021	0.0002	ND	0.0019	0.00018	ND	0.002	0.00012	
trans-1,3-Dichloropropene	NS	NS	NS	ND	0.0011	0.00031	ND	0.0012	0.00032	ND	0.0014	0.00039	ND	0.0013	0.00035	ND	0.0013	0.00036	
trans-1,4-Dichloro-2-butene	NS	NS	NS	ND	0.0057	0.0016	ND	0.0059	0.0017	ND	0.0071	0.002	ND	0.0064	0.0018	ND	0.0066	0.0019	
Trichloroethene	200	0.47	0.47	ND	0.00057	0.00016	0.00084	0.00059	0.00016	ND	0.00071	0.0002	0.00022	J 0.00064	0.00018	ND	0.00066	0.00018	
Trichlorofluoromethane	NS	NS	NS	ND	0.0046	0.00079	ND	0.0047	0.00082	ND	0.0057	0.00099	ND	0.0052	0.0009	ND	0.0053	0.00092	
Vinyl acetate	NS 12	NS 0.02	NS 0.03	ND	0.011	0.0024	ND	0.012	0.0025	ND	0.014	0.0031	ND	0.013	0.0028	ND	0.013	0.0029	
Vinyl chloride	13	0.02	0.02	ND 0.00066	0.0011	0.00038	ND 0.00086	0.0012	0.0004	ND 0.00085	0.0014	0.00048	ND 0.00073	0.0013	0.00043	ND 0.00074	0.0013	0.00045	
Xylenes, Total	500	1.6 NS	0.26 NS	0.00066	J 0.0011	0.00033	0.00086	J 0.0012	0.00034	0.0000	J 0.0014	0.00042	0.00073	J 0.0013	0.00038	0.00074	J 0.0013	0.00039	
Total VOCs	NS	INS.	NS	0.00138		-	0.00219		-	0.00085		-	0.00095		-	0.00074		-	

Table 1 - Summary of Soil Sampling Results 101-21 101st Street Queens, New York VERTEX Project No. 79111

### STROMATE PROCESSOR 19 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.445; = :5	ı	1	1	1	VEV C	2.4.(00.0.1	١٥.٢)	VERIE	(Project No.		1	VTV 25 6 1	40.0.40.5		VTV 00 -	0.0.0.5\	1	V7-V -	D 0 (00 5 5	14.0\
Column C								•									•				
The color of the		NY-RESC	NY-RESGW	NY-UNRES																	
Control Cont																					
Series (1968) (1								ST (NW)				Adi			Adj						iding
a. S. Frenchesteren. 18. 18. 18. 19. 19. 19. 19. 19. 19. 19. 19. 19. 19	ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)					Conc									Conc			
2 - Conference 19	SEMIVOLATILE ORGANICS BY GC/MS																				
Control Cont	1,2,4,5-Tetrachlorobenzene										-								-		
Additional 70												1						+			
Additional												-									
10-berturer 10, 00 18, 00 18, 00 19, 00	1,4-Dichlorobenzene								-	-	-	-		-				-	-	-	-
4.5 Instituted SQ	1,4-Dioxane											1						1	-	-	
Coloregraphic 100																		+	-	-	
Company																		1			
Commission Com	2,4-Dimethylphenol								-	-	-	-						-	-	-	
Selectories 18	2,4-Dinitrophenol								-	-	-	-	-	-				-	-	-	-
Company 15	2,4-Dinitrotoluene																		-		
September 15																					
Margaretine																					
Nicerists	2-Methylnaphthalene											-							-	-	
Niceland 15	2-Methylphenol	500	0.33	0.33	ND		0.18	0.027		-					ND	0.49	0.076		-	-	
3 Contendentials	2-Nitroaniline											1									
Money Mone	2-Nitrophenol																	+	-		
Negating NS																					
Semperary referred methods	3-Nitroaniline																	+	-		
Colored and Management	4,6-Dinitro-o-cresol	NS	NS	NS	ND		0.46	0.084	-	-	-	-	-	-	ND	1.3	0.23	-	-	-	-
Celescreen freedreemen NS NS NS NS NS NS NS N	4-Bromophenyl phenyl ether								-	-	-	-	-					-	-	-	-
Nilsoparies	4-Chloroaniline																	+	-		
Nile																			-		
Semigrapher So										<u>-</u>		1						+			
Selection NS	Acenaphthene									-	-	-	-					+	-	-	
Infracence 500 500 100 ND 01 0.034	Acenaphthylene				ND		0.14	0.027	-	-	-	-	-	-	ND	0.39	0.075	-	-	-	-
Part	Acetophenone								-	-	-	-	-					-	-	-	
Part	Anthracene									-	-	-						+	-	-	
Part												-									
anticylighterimene									-	-	-	1						+	-	-	
NS	Benzo(ghi)perylene			100					-	-	-	-	-	-				-	-	-	-
Page	Benzo(k)fluoranthene								-	-	-	-	-	-				-	-	-	-
Pale NS	Benzoic Acid																	+		-	
Size-Interotes/premium NS																				-	
St.2-throstoppy) Performance NS																					
Security production NS	Bis(2-chloroethyl)ether								-	-	-	-	-	-				-	-	-	-
Mythebrographinate	Bis(2-chloroisopropyl)ether								-	-	-	-	-	-	ND			-	-	-	-
arthazole NS NS NS ND 0.18 0.017 ND 0.49 0.047 ND 0.49 0.047 ND 0.49 0.047 ND 0.49 0.047	Bis(2-ethylhexyl)phthalate																		-		
Invesere 56																		1	-		
Demondry James 0.56 1000 0.33 ND 0.1 0.02 ND 0.29 0.056 -												1						+			
Demonstration 350 210 7 ND 0.18 0.016	Dibenzo(a,h)anthracene																				
Interly phthalate	Dibenzofuran			7	ND							1						+			
In-DutyPhthalate	Diethyl phthalate																	+	-		
In-octyphthalate	Dimethyl phthalate	110		NO	ND			0.000	-	-	-	-	-	-	ND			-	-	-	
Locarathere 500 1000 100 ND 0.1 0.02	Di-n-butylphthalate								-	-	-	-		-				-			
Lourene 500 336 30 ND 0.18 0.017 ND 0.49 0.047	Fluoranthene									-	-							+			
exachlorobutadiene NS NS NS NS NS ND 0.18 0.026 ND 0.49 0.071	Fluorene								-	-	-	-		-				-	-	-	-
exachlorocyclopentadiene NS NS NS NS ND 0.5 0.16 ND 1.4 0.44 exachlorocyclopentadiene NS NS NS NS ND 0.14 0.028 ND 0.39 0.079 ND 0.39 0.079 ND 0.39 0.079 ND 0.39 0.079	Hexachlorobenzene								-	-	-	-	-	-				-	-	-	-
exachloroethane	Hexachlorobutadiene																				
deno(1,2,3-cd)pyrene 5.6 8.2 0.5 ND 0.14 0.024 ND 0.39 0.068												1						1			
ophorone NS NS NS ND 0.16 0.023 - - - - - ND 0.44 0.063 - - - - - - ND 0.44 0.063 - - - - - - ND 0.44 0.063 - - - - - ND 0.44 0.063 - - - - ND 0.49 0.059 - - - - ND 0.49 0.055 - - - - ND 0.49 0.055 - - - - ND 0.49 0.055 - - - - ND 0.44 0.072 - - - ND 0.44 0.072 - - - ND 0.44 0.072 - - - ND 0.49 0.075 - - - - ND 0.49 0.073																					
aphthalene 500 12 12 ND 0.18 0.021 ND 0.49 0.059 DPA/DPA NS NS NS NS NS NS ND 0.14 0.02 ND 0.39 0.055 ND 0.39 0.055	Isophorone																				
itrobenzene NS NS NS NS ND 0.16 0.026 ND 0.44 0.072 Nitrosodi-n-propylamine NS NS NS NS NS ND 0.18 0.027 ND 0.49 0.075 ND 0.49 0.075 ND 0.49 0.075 ND 0.49 0.075	Naphthalene				ND																
Nitrosodi-n-propylamine NS NS NS NS NS ND 0.18 0.027 ND 0.49 0.075	NDPA/DPA	NS	NS				0.14										0.055				
Chloro-m-cresol NS NS NS NS ND 0.18 0.026 ND 0.49 0.073	Nitrobenzene											1									
entachlorophenol 6.7 0.8 0.8 ND 0.14 0.038 ND 0.39 0.11	n-Nitrosodi-n-propylamine																				
henanthrene 500 1000 100 ND 0.1 0.021 ND 0.29 0.059																					
henol 500 0.33 0.33 ND 0.18 0.026 ND 0.49 0.074	Phenanthrene																				
otal SVOCs NS NS NS	Phenol									-	-								-	-	-
SENERAL CHEMISTRY	Pyrene						0.1	0.017		-	-		-	-			0.048	-	-	-	-
	Total SVOCs	NS	NS	NS	<u> </u>	-	-		<u> </u>			<u> </u>	<u> </u>	-	<u> </u>	<u> </u>	-	<u> </u>		-	
DIIOS, 10TAI NS NS NS 92.8 U.T NA 86.5 U.1 NA 97.1 U.1 NA 97.3 U.1 NA 89.2 U.1 NA		l No	No.	l No	000		0.4	NI A	00.5		***	1 07.4		***	07.0	2.	***	1 000		0.4	NIA.
	Sulius, 10tai	INS.	INS	INS	92.8		U.1	NΑ	86.5	0.1	NA	97.1	0.1	NA NA	97.3	0.1	NA	89.2		U.T	ΝA

Notes:

Notes:
mg/kg - milligrams per kilogram
ND - Not detected
NY-RESC: New York NYCRR Part 375 Commercial Criteria, New York Restricted use Criteria
NY-RESGW: New York NYCRR Part 375 Groundwater Criteria, New York Restricted use Criteria
NY-UNRES: New York NYCRR Part 375 New York Unrestricted use Criteria
NY-UNRES: New York NYCRR Part 375 New York Unrestricted use Criteria
Italicized text indicates the reporting limit exceeds one or more criteria
J - Estimated concentration

Table 2 - Summary of Groundwater Sampling Results 101-21 101st Street Queens, New York VERTEX Project No. 79111

Control Profess Prof	SAMPLE ID:			VTX-TW-1 L2224545-07			VTX-TW-2 L2224545-08			VTX-TW-3 L2224545-09				VTX-TW-4 L2224545-10			VTX-TW-5	•		VTX-TW-6	•	B-4W L2224545-13		
Column C	LAB ID:	NY-AWQS	NY-TOGS-GA						8			1			U		L2224545-11			L2224545-12 5/9/2022	2)
William Service Servic								UST	Adjace		elevator	-		er vault	Adjacent		F.O. UST			ilding	Geotech MW		ong 101st	
WATER CAMPAGE AND ASSESSMENT OF A STATE OF A																								
Company	ANALYTE	(ug/l)	(ug/l)	Conc	Q RL	MDL	Conc	Q RL	MDL	Conc C	RL	MDL	Conc	Q RL	MDL	Conc Q	RL	MDL	Conc	Q RL	MDL	Conc Q	RL	MDL
1. C.		5	5	ND	2.5	0.7	ND	25	0.7	ND	2.5	0.7	ND	2.5	0.7	I ND I	2.5	0.7	ND	2.5	0.7	ND	2.5	0.7
1. Freedom 1. 1	1,1,1-Trichloroethane	5					_	_												_				
Company Comp		5	5						0.17												•			
Columnic		1				_																		
Company		5					_						_											
Light Content		5					_	_																
1.44 Franchescence		5				_																		
Label																					•			
1.4 Month of the control of the cont		5					_														•			
Selection Sele	1,2,4-Trimethylbenzene	-																						
Company						_	_																	
Secondary Color		3	3																					
Separate 1				ND	0.5	0.13	ND	0.5	0.13	ND	0.5	0.13	ND	0.5	0.13	ND	0.5	0.13	ND	0.5	0.13	ND	0.5	0.13
2.5 A. Company of the company of t		NS				_	_	2.5						2.5										
Section 1		1 5					_	2.5						2.5									1	
Schellergeren, intell MS							_	_												_				
Addressed 3 9 90 90 10 12 10 15 15 15 15 15 15 15 15 15 15 15 15 15						_	_																	
Additional Mail M							_						_											
Approximate 1		-	-			_	_																	
Section Sect	2,2-Dichloropropane	5	5	ND	2.5	0.7	ND	2.5	0.7	ND	2.5	0.7	ND	2.5	0.7	ND	2.5	0.7	ND	2.5	0.7	ND	2.5	0.7
Helthick presence 18						1.9	_					1.9									1.9			
Marche State Sta						1		5	1		5	1		5	1		5	1			1			
The content	Acetone					1.5		5	1.5		5	1.5		J 5	1.5		5	1.5			1.5			
Secondary Seco	Acrylonitrile	5					_						_											
Secretary Secr		1									_													
Sementhermone Sementhermon	Bromochloromethane	5					_	_					_							_				
Secondariane S	Bromodichloromethane	50	50	ND	0.5	0.19	ND	0.5	0.19	ND	0.5		ND	0.5	0.19		0.5			0.5	0.19		0.5	
Galecteristerische 6 80 80 80 80 85 1 80 85 1	Bromonothane	50																						
Chaptering S	Carbon disulfide	60				1	_				_	1			+						1			
Chaptering S S NO 25 0.7 NO 25	Carbon tetrachloride	5	5																					
Chapter 7	Chlorobenzene	5																						
Debto-reference NS		7				_	_																	
98-13-Different properties 90	Chloromethane	NS	NS			_	_																	
Definition of the properties 50 50 NO 0.5 0.15 NO 0.15 NO 0.5 0.15 NO	cis-1,2-Dichloroethene	Ü																						
Demonstratione 5 5 5 NO 5 6 1 NO 6 5 1 NO 6 1 NO 6 NO 6 NO 6 NO 6 NO 6 NO 6						_	_	_												_				
Efflyeteme NS NS ND 2.5 0.7 ND 2	Dibromomethane							_												_	•			
Ellipheurome 5 S S ND V 25 0.7	Dichlorodifluoromethane	5				1	_		· ·			1	_		<u> </u>						· ·			
Headsholadadene 0.5 0.5 N/D 2.6 0.7 N/D 2.5 0.7		NS 5				_	_																	
Methylene bush efter 10 10 ND 25 0.7 ND 25 0.7		0.5					_	_												_				
Methylener shorted	Isopropylbenzene						_	2.5									2.5							
Naphtralene	Methylene chloride	10					_	2.5									2.5							
-Sulyherene	Naphthalene	10					_						_								•			
ochientoleure 5 5 5 ND	n-Butylbenzene	5	5	ND	2.5	0.7	ND	2.5		ND	2.5	0.7	ND	2.5	0.7	ND	2.5	0.7	ND	2.5	0.7	ND	2.5	0.7
O-Sylene 5 5 ND 2.5 0.7 ND	n-Propylbenzene					_	_																	
Pin-Yybre S	o-Cniorotoluene o-Xylene						_																	
See Destrict See				ND	2.5	0.7	ND	2.5	0.7		2.5	0.7	ND	2.5	0.7	ND	2.5	0.7	ND	2.5	•	ND	2.5	0.7
p-Ethyloblane NS		5																						
Pisopropyllouene 5 5 5 ND 25 0.7 ND																				_				
Styrene 5 930 ND 0 25 0.7 ND 0 2.5 0.7 ND 0																								
tert-Butybenzene 5 5 ND 2.5 0.7 ND 2.5	sec-Butylbenzene																							
Tetrachloroethene 5 5 5 0.36 J 0.5 0.18 7.7 0.5 0.18 7.7 0.5 0.18 7.7 0.5 0.18 7.2 0.5 0.18 0.28 0.18 0.28 0.18 0.28 0.18 0.27 0.18 0.28 0.18 0.18 0.28 0.18 0.18 0.28 0.18 0.18 0.28 0.18 0.18 0.28 0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.1	Styrene tert-Butylhenzene					_	_																	
Toluene 5 5 5 ND 2 2.5 0.7 ND 2.5	Tetrachloroethene					_																		
trans-1,3-Dichloropropene 0.4 0.4 ND 0.5 0.6 ND 0.5 0.16 ND 0.5 ND 0.5 0.16 ND 0.5 0.16 ND 0.5 0.16 ND 0.5 0.16 ND 0.5 ND 0.5	Toluene	5	5	ND	2.5	0.7	ND	2.5	0.7	ND	2.5	0.7	ND	2.5	0.7	ND	2.5	0.7	ND	2.5	0.7	ND	2.5	0.7
trans-1,4-Dichloro-2-butene 5 5 ND 2.5 ND 2.5 0.7 ND 2.	trans-1,2-Dichloroethene					_	_																	
Trichloroethene 5 5 0.26 J 0.5 0.18 7.6 0.5 0.18 26 0.5 0.18 2.3 0.5 0.18 7.5 0.5 0.18 22 0.5 0.18 0.98 0.5 0.18 Trichloroethene 5 5 ND 2.5 0.7 ND 2.5																								
Vinyl acetate NS NS NS ND 5 1 ND 1 0.07 ND 2.5 0.7						_	_														•			
Vinyl chloride 2 2 ND 1 0.07 ND 1 0.						0.7	_					0.7												
Xylenes, Total NS NS ND 2.5 0.7 N						0.07						0.07						1						
	Xylenes, Total						_																	
	Total VOCs					-	_		-		-	-			-		-	-			-		-	-

Table 2 - Summary of Groundwater Sampling Results 101-21 101st Street Queens, New York VERTEX Project No. 79111

		,												No. 79111				A NTV TW F				VTV TW 6			D AW			
SAMPLE ID:					VTX-TW			VTX-TW-2					VTX-TW-3				VTX-TW-4			VTX-TW-				X-TW-6			B-4W	
LAB ID:		========		L	L2224545					545-08	-		L2224545-09)			L2224545-10			L2224545-				24545-12			L2224545-1	3
COLLECTION DATE:	NY-AWQS	NY-TOGS-GA			5/9/202				5/9/				5/10/2022				5/10/2022			5/10/2022				9/2022			5/9/2022	
LOCATION:				Adjacen	nt to F.O.	. UST (NV	V)		Adjacent to	TCE UST	A	djacent	to hydraulic	elevator		Adjace	ent to former	vault	Adjace	nt to remove	d F.O. UST		SW corn	er of buildin	ng	Geotech I	IW in sidewalk a	along 101st
ANALYTE	(ug/l)	(ug/l)	Conc	Q	RL	N/	IDL	Conc	Q F	L MD	L Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc C	RL	MDL	Conc	Q	RL	MDL	Conc	Q RL	MDL
SEMIVOLATILE ORGANICS BY GO		(ug/i)	CONC		- INE		IDE	COILC	Q I		L COILC		- INL	IVIDE	COILC		I\L	MDL	COILC C	(1/1	WIDE	CONC	<u> </u>	NL	WIDE	COILC	Q KL	WIDE
1,2,4,5-Tetrachlorobenzene	5	5	ND	Т	10	0	.44	-			-				ND	T	10	0.44	ND	10	0.44	-				-		
1,2,4-Trichlorobenzene	5	5	ND		5		0.5	-			-				ND		5	0.5	ND	5	0.5	-				-		
1,2-Dichlorobenzene	3	3	ND	1	2		.45	-			-	44			ND		2	0.45	ND	2	0.45	-	 			-		
1,3-Dichlorobenzene 1,4-Dichlorobenzene	3	3	ND ND	+++	2		0.4	-				+			ND ND	+ +	2	0.4	ND ND	2	0.4	-				-		
2,4,5-Trichlorophenol	NS	NS	ND		5		.77	-			-	1 1			ND		5	0.77	ND	5	0.77	-				-		
2,4,6-Trichlorophenol	NS	NS	ND		5		.61	-			-				ND		5	0.61	ND	5	0.61	-				-		
2,4-Dichlorophenol	1	2	ND		5		.41	-			-				ND		5	0.41	ND	5	0.41	-				-		
2,4-Dimethylphenol	50	2	ND		5	_	1.8	-			-	44			ND		5	1.8	ND	5	1.8	-	 			-		
2,4-Dinitrophenol 2,4-Dinitrotoluene	10	2 5	ND ND		20 5		6.6 1.2				-	+			ND ND		20 5	6.6 1.2	<i>ND</i> ND	20 5	6.6 1.2	-	 			-		
2,6-Dinitrotoluene	5	5	ND		5		.93	-			-				ND		5	0.93	ND	5	0.93	-	1 1			-		
2-Chlorophenol	NS	NS	ND		2		.48	-			-				ND		2	0.48	ND	2	0.48	-				-		
2-Methylphenol	NS	NS	ND		5		.49	-			-	\perp			ND		5	0.49	ND	5	0.49	-				-		
2-Nitrophenol	5 NS	5 NS	ND ND	+	5 10		0.5 .85	-	_		-	++		 	ND ND	++	5 10	0.5 0.85	ND ND	5 10	0.5 0.85	-	++			-	_	
2-Nitrophenol 3,3'-Dichlorobenzidine	5 5	NS 5	ND ND	+	5		1.6	-				+		 	ND ND	+	5	1.6	ND ND	5	1.6	-	1			-	-	
3-Methylphenol/4-Methylphenol	NS	NS	ND	1 1	5		.48	-			-	17			ND		5	0.48	ND	5	0.48	-				-		
3-Nitroaniline	5	5	ND		5		.81	-			-				ND		5	0.81	ND	5	0.81	-				-		
4,6-Dinitro-o-cresol	NS	NS	ND	$oldsymbol{\perp}$	10		1.8	-			-	+1		1	ND	igspace	10	1.8	ND	10	1.8	-				-		
4-Bromophenyl phenyl ether 4-Chloroaniline	NS 5	NS 5	ND ND	+	<u>2</u> 5		.38 1.1	-	_		-	++		 	ND ND	++	5	0.38 1.1	ND ND	5	0.38	+ -	++			-	_	
4-Chlorophenyl phenyl ether	NS	NS NS	ND ND	+	2		.49	-			-	+		 	ND ND	+	2	0.49	ND ND	2	0.49	-	1			-	-	
4-Nitroaniline	5	5	ND		5		0.8	-			-	11			ND		5	0.8	ND	5	0.8	-				-		
4-Nitrophenol	NS	NS	ND		10		.67	-			-				ND		10	0.67	ND	10	0.67	-				-		
Acetophenone	NS	NS	ND		5		.53	-			-	\perp			ND		5	0.53	ND	5	0.53	-				-		
Benzoic Acid Benzyl Alcohol	NS NS	NS NS	ND ND		50 2		2.6	-			-	+			ND ND		50	2.6 0.59	ND ND	50	2.6 0.59	-	 			-		
Biphenyl	NS NS	NS NS	ND		2		.46					+ +			ND		2	0.39	ND	2	0.39					-		
Bis(2-chloroethoxy)methane	5	5	ND		5		0.5	-			-				ND		5	0.5	ND	5	0.5	-				-		
Bis(2-chloroethyl)ether	1	1	ND		2		0.5	-			-				ND		2	0.5	ND	2	0.5	-				-		
Bis(2-chloroisopropyl)ether	5	5	ND		2		.53	-			-	44			ND	1	2	0.53	ND	2	0.53	-	 			-		
Bis(2-ethylhexyl)phthalate Butyl benzyl phthalate	5 50	5 50	ND ND		<u>3</u> 5		1.5 1.2	-			-	+			2.2 ND	J	5	1.5 1.2	ND ND	3 5	1.5	-	 			-		
Carbazole	NS	NS	ND		2		.49	-			-				ND		2	0.49	ND	2	0.49	-				-		
Dibenzofuran	NS	NS	ND		2	(0.5	-			-				ND		2	0.5	ND	2	0.5	-				-		
Diethyl phthalate	50	50	0.66	J	5		.38	-			-	\perp			0.96	J	5	0.38	ND	5	0.38	-				-		
Dimethyl phthalate Di-n-butylphthalate	50 50	50 50	ND 1.3	++	5 5		1.8	-				+			ND ND		5	1.8 0.39	ND ND	5 5	1.8 0.39	-	 			-		
Di-n-octylphthalate	50	50	ND	3	5		1.3	-			-	+			ND	+	5	1.3	ND	5	1.3	-				-		
Hexachlorocyclopentadiene	5	5	ND		20	0	.69	-			-				ND		20	0.69	ND	20	0.69	-				-		
Isophorone	50	50	ND		5		1.2	-			-				ND		5	1.2	ND	5	1.2	-				-		
NDPA/DPA	50 0.4	50 0.4	ND ND	+	2		.42	-			-	+			ND ND		2	0.42 0.77	ND ND	2	0.42 0.77	-	-			-		
Nitrobenzene n-Nitrosodi-n-propylamine	NS	NS	ND ND		5		.64				- -	+			ND ND		5	0.77	ND ND	5	0.77	+ -	 			-		
p-Chloro-m-cresol	NS	NS	ND		2		.35	-			-				ND		2	0.35	ND	2	0.35	-	1 1			-		
Phenol	1	2	ND		5	0	.57	-			-				ND		5	0.57	ND	5	0.57	-				-		
Total SVOCs	NS	NS	1.96	1 - 1	-		-	-							3.16	<u> </u>	-	-	- -	-		<u> </u>				-		
SEMIVOLATILE ORGANICS BY GO 2-Chloronaphthalene	2/MS-SIM 10	10	ND		0.2	1 ^	.02	- 1	1					1	ND	1 1	0.2	0.02	ND	0.2	0.02	Τ.				- 1		1
2-Chloronaphthalene 2-Methylnaphthalene	NS NS	NS	0.05	J	0.2		.02	-			+ -	+		 	0.04	J	0.2	0.02	ND	0.2	0.02	-	1			-	-	
Acenaphthene	20	20	0.03	J			.01	-				士士			ND	ĖŤ	0.1	0.01	0.03 J		0.01	-				-		
Acenaphthylene	NS	NS	0.02	J	0.1		.01	-			-				0.01	J	0.1	0.01	0.04 J		0.01	-				-		
Anthracene	50	50	0.06	J	0.1		.01	-			-	+			0.03	J	0.1	0.01	0.06 J	. 0.1	0.01	-	 			-	_	
Benzo(a)anthracene Benzo(a)pyrene	0.002	0.002	0.11	1	0.1		.02	-			-	++		 	0.08	J	0.1	0.02	0.13 0.12	0.1	0.02	-	1-1-			-		
Benzo(b)fluoranthene	0.002	0.002	0.07	3	0.1		.02	-	_		-	+		t	0.09	J	0.1	0.02	0.12	0.1	0.02	-	1 1			-	+	1
Benzo(ghi)perylene	NS	NS	0.08	J	0.1	0	.01	-			-				0.06	J	0.1	0.01	0.12	0.1	0.01	-				-		
Benzo(k)fluoranthene	0.002	0.002	0.08	J	0.1		.01	-			-	$\perp \! \perp \! \perp \! \downarrow$			0.04	J	0.1	0.01	0.09 J	0.1	0.01	-				-		
Chrysene Dibenzo(a.h)anthracene	0.002 NS	0.002	0.1 0.06	+ +	0.1		.01	-			-	++		1	0.07 ND	J	0.1	0.01	0.12	0.1	0.01	-	1 1			-	_	+
Dibenzo(a,h)anthracene Fluoranthene	NS 50	NS 50	0.06	J	0.1		.01	-	-		-	++		 	0.15	++	0.1	0.01	0.06 J 0.2	0.1	0.01	-	+ +	 -		-	+	+
Fluorene	50	50	0.05	J	0.1		.01	-	_			+			0.13	J	0.1	0.02	0.2 0.05 J	0.1	0.02			+		-	_	
Hexachlorobenzene	0.04	0.04	ND		0.8	0	.01	-			-				ND		0.8	0.01	ND	0.8	0.01	-				-		
Hexachlorobutadiene	0.5	0.5	ND		0.5		.05	-			-	\Box			ND	$oxed{\Box}$	0.5	0.05	ND	0.5	0.05	-				-		
Hexachloroethane	5 0.002	5 0.002	ND 0.09	+ +	0.8		.06	-			-	++		 	ND 0.05		0.8	0.06	ND 0.12	0.8	0.06	-	 			-		
Indeno(1,2,3-cd)pyrene Naphthalene	10	10	0.09	.I	0.1		.01	-	_		-	++		 	0.05	J	0.1	0.01 0.05	0.12 0.05 J	0.1	0.01	+ -	++-			-	+	
Pentachlorophenol	1	2	ND	-	0.1		.01	-	_		-	+		t	ND	-	0.1	0.03	ND S	0.8	0.03	-	1 1			-	+	1
Phenanthrene	50	50	0.3		0.1	0	.02	-			-				0.13		0.1	0.02	0.16	0.1	0.02	-				-		
Pyrene	50	50	0.19	$oldsymbol{\perp}$	0.1		.02	-			-	+1		1	0.12	igspace	0.1	0.02	0.18	0.1	0.02	-				-		
Total SVOCs	NS	NS	1.74	-	-		-	-			-			L	1.01	-	-	-	1.7 -	-	-	-				-		

Notes:
ug/L - micrograms per liter
J - Estimated concentration
ND - Not detected
NY-AWQS: New York TOGS 111 Ambient Water Quality Standards
NY-TOGS-GA: New York TOGS 111 Groundwater Effluent Limitations
Highlighted and bolded text indicates an exceedance of one or more criteria
Italicized text indicates the reporting limit exceeds one or more of the criteria

Table 3 - Summary of Sub-Slab Soil Gas and Indoor Air Sampling Results 101-21 101st Street Queens, New York VERTEX Project No. 79111

												roject No. 79111											
LOCATION								VTX-SG1		VTX-IA-1	VTX-SG2	VTX-IA-2		VTX-SG3	3	VTX-IA-3	VTX-SG-	1	VTX-IA-4	VTX-SG5	VTX-I	A-5	VTX-AA-1
SAMPLING DATE	NY-SSC-	NY-IAC-	NY-SSC-	NY-IAC-	NY-SSC-	NY-IAC-		5/9/2022		5/6/2022	5/9/2022	5/6/2022		5/9/2022		5/6/2022	5/9/2022	2	5/6/2022	5/9/2022	5/6/20)22	5/6/2022
LAB SAMPLE ID	A	A	В	B	C	C	Units	L2224547-01		L2224240-01	L2224547-02	L2224240-02		L2224547-03		L2224240-03	L2224547-04	ı	L2224240-04	L2224547-05	L2224240	-05	L2224240-06
								SOIL_VAPOR		AIR	SOIL_VAPOR	AIR		SOIL_VAPOR		AIR	SOIL_VAPOR	2	AIR	SOIL_VAPOR	A	IR	AIR
SAMPLE TYPE LOCATION	-							_			_			_			_			_			
Volatile Organics in Air	1	li		l.	l	l															l		
1,1,1-Trichloroethane	NS	NS	100	3	NS	NS	ug/m3	61.7	U	0.153	42.9	U 0.169		567		0.169	1450		1.45	63.3	0.12		0.109 U
1,1,2,2-Tetrachloroethane	NS	NS	NS	NS	NS	NS	ug/m3	77.6	U	1.37 U	54	U 1.37	U	149	U	1.37 L	J 49.4	U	1.37	U 42.6	U 1.37	U	1.37 U
1,1,2-Trichloroethane	NS	NS	NS	NS	NS	NS	ug/m3	61.7	U	1.09 U	42.9	U 1.09	U	118	U	1.09 L	J 39.3	U	1.09	00.0	U 1.09	U	1.09 U
1,1-Dichloroethane	NS	NS	NS	NS	NS	NS	ug/m3	45.7	U	0.809 U	31.8	U 0.809	U	87.8	U	0.809 L			0.809		U 0.809	U	0.809 U
1,1-Dichloroethene	6	0.2	NS	NS	NS	NS	ug/m3	44.8	U	0.079 U	31.2		U	86	U	0.079 L	28.5	U	0.079		U 0.079	I U	0.079 U 1.48 U
1,2,4-Trichlorobenzene 1,2,4-Trimethylbenzene	NS NS	NS NS	NS NS	NS NS	NS NS	NS NS	ug/m3 ug/m3	83.9 55.6	U	1.48 U 4.9	58.3 38.6	U 1.48 U 1.69	U	161 107	U	1.48 L 2.07	J 53.4 35.4	U	1.48 0.983		U 1.48 U 2.07	U	1.48 U 1.2
1,2-Dibromoethane	NS	NS	NS	NS	NS	NS	ug/m3	86.8	U	1.54 U	60.4	U 1.54	U	167	U	1.54 L	J 55.3	U	1.54		U 1.54	U	1.54 U
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	ug/m3	67.9	U	1.2 U	47.3	U 1.2	U	130	U	1.2 L	J 43.3	Ū	1.2		U 1.2	Ū	1.2 U
1,2-Dichloroethane	NS	NS	NS	NS	NS	NS	ug/m3	45.7	U	0.809 U	31.8	U 0.809	U	87.8	U	0.809 L	J 29.1	U	0.809		U 0.809	U	0.809 U
1,2-Dichloropropane	NS	NS	NS	NS	NS	NS	ug/m3	52.2	U	0.924 U	36.3	U 0.924	U	100	U	0.924 L	J 33.3	U	0.924	U 28.7	U 0.924	U	0.924 U
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	ug/m3	55.6	U	1.33	38.6	U 0.983	U	107	U	0.983 L	35.4	U	0.983		U 0.983	U	0.983 U
1,3-Butadiene	NS	NS	NS	NS	NS	NS	ug/m3	25	U	0.442 U	17.4	U 0.442	U	48	U	0.442 L	15.9	U	0.442		U 0.442	U	0.442 U
1,3-Dichlorobenzene 1,4-Dichlorobenzene	NS NS	NS NS	NS NS	NS NS	NS NS	NS NS	ug/m3 ug/m3	67.9 67.9	U	1.2 U 4.32	47.3 47.3	U 1.2 U 5.04	U	130 130	U	1.2 L	J 43.3 J 43.3	U	1.2 1.2	0.10	U 1.2 U 1.2	U	1.2 U 1.2 U
1,4-Dioxane	NS	NS NS	NS NS	NS NS	NS NS	NS	ug/m3	40.7	U	0.721 U	28.3	U 0.721	U	78.2	U	0.721 L	J 43.3 J 25.9	U	0.721		U 0.721	II	0.721 U
2,2,4-Trimethylpentane	NS	NS	NS	NS	NS	NS	ug/m3	52.8	U	1.83	36.7	U 1.25		101	U	1.49	33.6	U	1.18		U 1.44		0.972
2-Butanone	NS	NS	NS	NS	NS	NS	ug/m3	83.2	U	10.4	83.2	7.43		160	U	3.1	53.1	U	1.93		U 3.54		11.2
2-Hexanone	NS	NS	NS	NS	NS	NS	ug/m3	46.3	U	0.82 U	32.2	U 0.82	U	88.9	U	0.82 L	J 29.5	U	0.82		U 0.82	U	0.82 U
3-Chloropropene	NS	NS	NS	NS	NS	NS	ug/m3	35.4	U	0.626 U	24.6	U 0.626	U	67.9	U	0.626 L	J 22.5	U	0.626		U 0.626	U	0.626 U
4-Ethyltoluene	NS	NS	NS	NS	NS	NS	ug/m3	55.6	U	0.983 U	38.6		U	107	U	0.983 L	35.4	U	0.983	00.0	U 0.983	U	0.983 U
4-Methyl-2-pentanone	NS	NS	NS	NS	NS	NS	ug/m3	116	U	2.05 U	80.3		U	223	U	2.05 L	73.8	U	2.05		U 2.05	U	2.05 U
Acetone Benzene	NS NS	NS NS	NS NS	NS NS	NS NS	NS NS	ug/m3 ug/m3	134 36.1	U	118 1.1	770 25.1	125 U 1.27		458 69.3	11	66 1.45	96.7 23	11	43.2 0.99		U 73.4 U 1.46		14.4 0.792
Benzyl chloride	NS	NS	NS	NS	NS	NS	ug/m3	58.5	U	1.04 U	40.7	U 1.04	U	112	U	1.04 L	J 37.3	U	1.04		U 1.04	U	1.04 U
Bromodichloromethane	NS	NS	NS	NS	NS	NS	ug/m3	75.7	U	1.34 U	52.7	U 1.34	Ū	145	U	1.34 L	J 48.2	Ü	1.34		U 1.34	Ū	1.34 U
Bromoform	NS	NS	NS	NS	NS	NS	ug/m3	117	U	2.07 U	81.3	U 2.07	U	224	U	2.07 L	J 74.4	U	2.07	U 64.1	U 2.07	U	2.07 U
Bromomethane	NS	NS	NS	NS	NS	NS	ug/m3	43.9	U	0.777 U	30.5		U	84.3	U	0.777 L	J 28	U	0.777	27.1	U 0.777	U	0.777 U
Carbon disulfide	NS	NS	NS	NS	NS	NS	ug/m3	35.2	U	0.623 U	24.5	U 0.623	U	67.6	U	0.623 L	J 22.4	U	0.623		U 0.623	U	0.623 U
Carbon tetrachloride	6 NS	0.2 NS	NS NS	NS NS	NS NS	NS	ug/m3	71.1 52	U	0.616 0.921 U	49.4 36.2	U 0.629 U 0.921		137 99.9	U	0.623 0.921	45.3 J 33.2	U	0.648 0.921		U 0.629 U 0.921		0.591 0.921 U
Chlorobenzene Chloroethane	NS	NS	NS	NS	NS	NS NS	ug/m3 ug/m3	29.8	II I	0.528 U	20.7	U 0.528	U	57.3	II	0.528 L	J 33.2	11	0.528		U 0.528	11	0.528 U
Chloroform	NS	NS	NS	NS	NS	NS	ug/m3	61.5		0.977 U	38.4		Ü	106	Ü	0.977 L	35.2	U	0.977		U 0.977	U	0.977 U
Chloromethane	NS	NS	NS	NS	NS	NS	ug/m3	23.3	U	1.43	16.2	U 1.61		44.8	U	1.48	14.9	U	1.5	12.8	U 1.49		1.45
cis-1,2-Dichloroethene	6	0.2	NS	NS	NS	NS	ug/m3	151		0.86	264	0.218		496		0.163	3270		0.262	991	0.159		0.079 U
cis-1,3-Dichloropropene	NS	NS	NS	NS	NS	NS	ug/m3	51.3	U	0.908 U	35.7	U 0.908	U	98.5	U	0.908 L	J 32.7	U	0.908		U 0.908	U	0.908 U
Cyclohexane	NS	NS	NS	NS	NS	NS	ug/m3	38.9	U	0.688 U	27.1 67	U 0.688	U	74.7	U	0.688 L	J 24.8	U	0.688	21.0	U 0.688 U 1.7	U	0.688 U 1.7 U
Dibromochloromethane Dichlorodifluoromethane	NS NS	NS NS	NS NS	NS NS	NS NS	NS NS	ug/m3 ug/m3	96.3 55.9	U	1.7 U 3.13	38.9	U 1.7 U 3.2	U	185 107	U	1.7 L 3.28	J 61.3 35.6	U	1.7 3.19		U 1.7 U 3.25	U	1.7 U 3.06
Ethanol	NS	NS	NS	NS	NS	NS	ug/m3	531	IJ	147	369	U 185		1030	IJ	286	339	U	63.1		U 281		21.1
Ethyl Acetate	NS	NS	NS	NS	NS	NS	ug/m3	102	U	2.79	70.6	U 2.21		196	Ū	1.8 L	J 64.9	Ū	3.93	55.9	U 1.8	U	2.03
Ethylbenzene	NS	NS	NS	NS	NS	NS	ug/m3	49.1	U	5.52	821	3.79		94.3	U	7.21	31.3	U	1.46	26.9	U 12.3		0.869 U
Freon-113	NS	NS	NS	NS	NS	NS	ug/m3	86.6	U	1.53 U	60.2	U 1.53	U	166	U	1.53 L	J 55.2	U	1.53		U 1.53	U	1.53 U
Freon-114	NS	NS	NS	NS	NS	NS	ug/m3	79	U	1.4 U	54.9		U	152	U	1.4 L	50.3	U	1.4	70.0	U 1.4	U	1.4 U
Heptane Hexachlorobutadiene	NS NS	NS NS	NS NS	NS NS	NS NS	NS NS	ug/m3	46.3 121	U	1.76 2.13 U	32.2 83.8	U 1.05 U 2.13	U	88.9 231	U	1.32 2.13	29.5 J 76.8	U	1.07 2.13		U 1.22 U 2.13	- LU	0.82 U 2.13 U
Isopropanol	NS	NS NS	NS NS	NS NS	NS NS	NS NS	ug/m3 ug/m3	69.3	IJ	20.1		U 20.5	U	134	U	32.2	44.2	U	20.4		U 49.2	U	7.1
Methyl tert butyl ether	NS	NS	NS	NS	NS	NS	ug/m3	40.7	U	0.721 U	28.3	U 0.721	U	78.2	U	0.721 L	J 26	U	0.721		U 0.721	U	0.721 U
Methylene chloride	NS	NS	100	3	NS	NS	ug/m3	98	Ü	16.7	68.1	U 25.4		189	Ū	129	62.5	U	11		U 102		1.74 U
n-Hexane	NS	NS	NS	NS	NS	NS	ug/m3	39.8	U	2.22	27.7	U 1.13		76.5	U	1.6	25.4	U	0.93		U 1.69		0.705 U
o-Xylene	NS	NS	NS	NS	NS	NS	ug/m3	49.1	U	6.6	830	4.82		94.3	U	12.1	31.3	U	2.06		U 21.9		1.18
p/m-Xylene	NS	NS	NS	NS	NS	NS	ug/m3	98.2	U	17	3020	13.3		189	U	34.5	62.5	U	5.91		U 61.7		2.88
Styrene Tortion, butyl Alcohol	NS NS	NS NS	NS	NS NS	NS NS	NS NC	ug/m3	48.1	U	0.852 U	33.5		U	92.4	U	1.84 1.52	30.7	U	0.852		U 3.02 U 1.52	11	0.852 U 1.52 U
Tertiary butyl Alcohol Tetrachloroethene	NS NS	NS NS	NS 100	3	NS NS	NS NS	ug/m3 ug/m3	85.5 28000	U	1.52 U	59.4 2350	U 1.52 3.64	U	165 1760	U	1.52 U	J 54.6 374	U	1.52 1.3	62.4	U 1.52 1.3	U	1.52 U 0.685
Tetrahydrofuran	NS	NS	NS	NS	NS	NS	ug/m3	83.2	U	1.47 U	57.8		U	160	U	1.47 L	~~~ <mark>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</mark>	U	1.47		U 1.47	U	1.47 U
Toluene	NS	NS	NS	NS	NS	NS	ug/m3	42.6	Ü	27.1	29.6	U 10.4		81.8	Ū	17.2	27.1	U	10.9		U 18.1		5.05
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	ug/m3	44.8	U	0.793 U	31.2	U 0.793	U	86	U	0.793 L			0.793	U 43.6	0.793	U	0.793 U
trans-1,3-Dichloropropene	NS	NS	NS	NS	NS	NS	ug/m3	51.3	U	0.908 U	35.7		U	98.5	U	0.908 L		U	0.908		U 0.908	U	0.908 U
Trichloroethene	6	0.2	NS	NS	NS	NS	ug/m3	3840	l	5.7	16300	4.22		47000	l	9.51	24000	I	5.08	15400	11.2		0.107
Trichlorofluoromethane	NS	NS NC	NS	NS	NS	NS	ug/m3	63.5	U	1.65	44.2	U 1.82	11	122	U	1.67	40.5	U	1.7		U 1.66	11	1.64
Vinyl bromide Vinyl chloride	NS NS	NS NS	NS NS	NS NS	NS 6	NS 0.2	ug/m3	49.4 28.9	U	0.874 U 0.051 U	34.4 20.1	U 0.874 U 0.051	U	94.9 55.5	U	0.874 U 0.051 U	J 31.5 J 18.4	U	0.874 0.051		U 0.874 U 0.051	II.	0.874 U 0.051 U
viriyi Gillollu c	CVI	СИI	СИI	СИI	O	0.2	ug/m3	20.9	U	U.UUI U	2U. I	0.051	U	00.0	U	U.U31 L	10.4	U	1 60.0	0 15.6	U.U31	U	U.UST U

Notes:

U - Not detected

U - Not detected ug/m3 - micrograms per cubic meter NY-SSC/IAC-A: New York DOH Matrix A Sub-slab Vapor Concentrations or Indoor Air Concentrations Criteria NY-SSC/IAC-B: New York DOH Matrix B Sub-slab Vapor Concentrations or Indoor Air Concentrations Criteria NY-SSC/IAC-C: New York DOH Matrix C Sub-slab Vapor Concentrations or Indoor Air Concentrations Criteria Italcized text indicates the reporting limit exceeds one or more of the criteria Highlighted and bolded text indicates an exceedance of one or more of the criteria

APPENDIX A:
SOIL BORING LOGS

DEPTH DITENT DI	
INSTALLATION DATES	L -
MSTALLATION DATES S/9/2022 PAGE 1 of	
TYPE	6
SZE (IID)	
HAMMER (B) - DIAMETER 2" DIAMETER 2 TOC: - DEPTH (F1: 35 FALL (IN.) Constitution	
FALL (IN.)	J
DEPTH REVATION INTERVAL PEN / REC BLOWS / 6" SPT STRATA CHANGE (FL/EL) SOIL DESCRIPTION CONSTITUTION	
DEPTIT INTERVAL PEN / REC BLOWS / 6" SPT STRATA CHANGE (FV/EL) SUIL DISCRIPTION CONSTITUTION	PID (PPM)
1	T Background/
Table Hand Auger	Actual 0.0
2	0.0
2 0.0 - 5.0	0.0
3	0.0
4	0.0
4	0.0
6	0.0
Solution	0.0
7 5.0 - 10.0 5/3.0	0.0
7 5.0 - 10.0 5/3.0	0.0
Solution	0.0
9	0.0
10	0.0
10	0.0
11	0.0
12 10.0 -15.0 5/3.	0.0
12 10.0 -15.0 5/3.	0.0
13	0.0
13	0.0
14	0.0
15	0.0
16	0.0
16	0.0
17	0.0
17 15.0 - 20.0 5/2.75 18 19 19 19 19 19 19 19 19 19 19 19 19 19	0.0
18 19 19 15.0 - 20.0 5/2.75	0.0
19	0.0
	0.0
20	0.0
	0.0
	0.0
21	0.0
	0.0
22 20.0-25.0 5/3.0	0.0
23	0.0
24	0.0
	0.0
25	0.0
26	0.0
	0.0
27 25.0-30.0 5/1.75	0.0
28	0.0
	0.0
29	0.0
30	0.0
	0.0
31	0.0
32 30.0-35.0 5/2.5	0.0
Boring terminated at 35 0 ft hgs	0.0
Soil sample VTX-SB-1 collected at 11:37 hrs from 30.0-30.5ft bgs	0.0
Temporary monitoring well installed, depth to water 28.94 ft bgs	0.0
GW sample VTX-TW-1 collected at 12:14 hrs	0.0
MODIFIER SAND AND GRAVEL SILT AND CLAY LOCATION: Near NW corner of property WEL 1 - 10% Trace Density Blows (N) Consistency Blows (N) MONITORING WELL CONSTRUCTION DATA	L CONSTRUCTION Screen
10 - 20% Little Very loose 0 - 4 Very soft <2 DEPTH: 15 DEPTH/TYPE PACK: -	Riser
20 - 35% Some Loose 4 - 10 Soft 2 - 4 DIAMETER (inches): 1.0 DEPTH/TYPE SEAL: -	Concrete
35 - 50% And Medium Dense 10 - 30 Medium Stiff 4 - 8 MATERIAL: PVC BACKFILL MATERIAL: -	Bentonite Native
Very Dense >50 Very Stiff 15 - 30 SCREEN INTERVAL: 5'-15' ROADBOX DESC.: -	Sand
	Grout

NOTES:

1. Soils are visually classified in general accordance with the Modified Burmister Soil Classification System.

				ING/MONITO				DESIGNATION		VTX - SB - 2	
			PROJECT:	NSTRUCTION	Ozone	Park		PROJECT NO.:		79111	
		N V8						DRILLER:		Clean Globe	
V		> \ \	LOCATION:		101-21 101st Street,	-		INSPECTOR:		manda Turner	
				TION DATES		5/9/2021	1	PAGE	6	of	6
TYPE	SAMPLER	Caranaha		SING		ORE	FLEVA	GROUNDWATEI TION INFORMATION	R DEPTH MEASUREN	JENTS 5/9/2022	
SIZE (ID)		Geoprobe 2 IN	TYPE MATERIAL	Sleeve PVC	BARREL TYPE SIZE (ID)	Steel 2	DATUM:	-	DATE: TIME:	11:40	
HAMMER (LB.)		-	DIAMETER	2"	DIAMETER	2	TOC:	-	DEPTH (Ft):	30	
FALL (IN.)		-	LENGTH	5'			GS:	-	ELEVATION (Ft):	-	
		SAMPL	E INFORMATIO	N						WELL	PID (PPM)
DEPTH ELEVATION	INTERVAL	PEN / REC	BLOWS / 6"	SPT	STRATA CHANGE (Ft/EI.)		SOIL	DESCRIPTION		CONST	Background/ Actual
0						0.0 - 0.5: Concrete and	sub-base				0.0
										1	0.0
1		hand auger									0.0
											0.0
2	0.0 - 5.0										0.0
3											0.0
		5/1.0									0.0
4		3/1.0									0.0
	<u> </u>										0.0
5	1										0.0
6											0.0
	4										0.0
7	5.0 - 10.0	5/3.0									0.0
8	1										0.0
											0.0
9											0.0
10											0.0
											0.0
11											0.0
12											0.0
	10.0 -15.0	5/2.75									0.0
13											0.0
14	4							d with trace sub-angular rock 27'; no staining or odors	k, dry to moist and		0.0
14							wet at approx	27 , no staining or odors			0.0
15											0.0
											0.0
16											0.0
17	15.0 - 20.0	5/2.75									0.0
	13.0 - 20.0	3/2.73									0.0
18	-										0.0
19											0.0
]					0.0
20	1										0.0
21	1										0.0
	1										0.0
22	20.0 - 25.0	5/3.0									0.0
23	1										0.0
23	1										0.0
24											0.0
25											0.0
25	1										0.0
26	1										0.0
	4										0.0
27	25.0 - 30.0	5/3.0									0.0
28	1					C-111		ninated at 30.0 ft bgs	OC F ft has		0.0
]							ed at 10:34 hrs from 26.0 - 2 installed; depth to water 27			0.0
29	4							TW-2 collected at 11:06 hrs			0.0
MODI	FIER	SAND AND	GRAVEL	SILT	AND CLAY	LOCATION:		Near NW corner of prope	erty	WELL COI	NSTRUCTION
1 - 10%	Trace	Density	Blows (N)	Consistency	Blows (N)	M		ELL CONSTRUCTION DATA			Screen
10 - 20%	Little	Very loose	0 - 4	Very soft	<2	DEPTH:	15	DEPTH/TYPE PACK:	-		Riser
20 - 35% 35 - 50%	Some And	Loose Medium Dense	4 - 10 10 - 30	Soft Medium Stiff	2 - 4 4 - 8	DIAMETER (inches): MATERIAL:	1.0 PVC	DEPTH/TYPE SEAL: BACKFILL MATERIAL:	-		Concrete Bentonite
33 30/0	Anu	Dense	30 - 50	Stiff	8 - 15	SLOT SIZE (inches):	0.01	SURFACE SEAL:	-		Native
		Very Dense	>50	Very Stiff	15 - 30	SCREEN INTERVAL:	5'-15'	ROADBOX DESC.:	-		Sand
NOTEC				Hard	>30	LENGTH OF RISER:	5				Grout

- NOTES:

 1. Soils are visually classified in general accordance with the Modified Burmister Soil Classification System.

 2. Sampled from interval above groundwater interface

			со	ING/MONITO				DESIGNATION		VTX	-SB-3	
			PROJECT:		Ozone	Park		PROJECT NO.:			111	
VB		EA V®	LOCATION:		101-21 101st Street,	Queens, New York		DRILLER: INSPECTOR:			Globe	
			INSTALLA	TION DATES		5/9/2022		PAGE	3	of	a Turner	6
	SAMPLER			SING	C	ORE	1		R DEPTH MEASUREN		<u> </u>	-
YPE		Geoprobe	TYPE	Sleeve	BARREL TYPE	Steel		ATION INFORMATION	DATE:		10/2022	
IZE (ID) IAMMER (LB.)		2 IN	MATERIAL DIAMETER	PVC 2"	SIZE (ID) DIAMETER	2 2	DATUM: TOC:	-	TIME:	1 1	10:30 35	
ALL (IN.)		-	LENGTH	5'	DIAIVIETER	2	GS:	-	DEPTH (Ft): ELEVATION (Ft):	+	-	
, tee (111.)		SAMPL	EINFORMATIO						ecerrinoit (i ty.	Τ.		PID (PPM)
DEPTH	INTERVAL	PEN / REC	BLOWS / 6"	SPT	STRATA CHANGE (Ft/El.)	Ī	SOI	L DESCRIPTION			WELL	Background/
ELEVATION		,								Ļ		Actual
0											1	0.0
1		Hand Auger					0.0 - 2.0: 0	Concrete and sub-base				0.0
		naliu Augei										0.0
2	0.0 - 5.0										1	0.0
3											1	0.0
		5/1.0									1	0.2
4		0,2.0									1	0.0
5					1							0.0
	1											0.0
6	1											0.0
7	1				1							0.0
	5.0 - 10.0	5/2.25										0.0
8												0.0
9	1				1							0.0
												0.0
10												0.0
11											1	0.0
11											1	0.0
12	10.0 -15.0	5/2.5										0.0
13		5,2.5										0.0
15												0.0
14											1	0.0
15											1	0.0
15											1	0.0
16											1	0.0
17						2.0 - 35.0 Brown mediu	ım grain sand v	with trace sub-angular rock, o	dry to moist and wet		1	0.0
1/	15.0 - 20.0	5/2.75				at approx 27'; no staining or odors					1	0.0
18											1	0.0
10											1	0.0
19											1	0.0
20						1						0.0
24												0.0
21											1	0.0
22	20.0 - 25.0	5/2.75									1	0.0
	20.0 - 23.0	3/2.73									1	0.0
23												0.0
24	1											0.0
-												0.0
25	1											0.0
26	1]							0.0
												0.0
27	25.0 - 30.0	5/2.5										0.0
28	1				1							0.0
	1											0.0
29												0.0
30					1							0.0
]											0.0
31	-											0.0
32	1	1 .	-									0.0
	30.0 - 35.0	5/2.25					Roring ton	minated at 35.0 ft bgs				0.0
33						Soil sample V		cted at 11:10 hrs from 10.0 - :	10.5 ft bgs			0.0
34					1	Temporary n	nonitoring wel	ll installed; depth to water 27				0.0
J +	1					GV	W sample VTX	-TW-3 collected at 11:43 hrs				0.0
	FIER	SAND AND			AND CLAY	LOCATION:		Near NW corner of prope	erty		WELL CO	NSTRUCTION
MODIF		Density	Blows (N)	Consistency	Blows (N)			VELL CONSTRUCTION DATA				Screen
1 - 10%	Trace							DEPTH/TYPE PACK:	-			
1 - 10% 10 - 20%	Little	Very loose	0 - 4	Very soft	<2 2 - 4	DEPTH: DIAMETER (inches):	15					Riser
1 - 10%				Very soft Soft Medium Stiff	<2 2 - 4 4 - 8	DIAMETER (inches): MATERIAL:	1.0 PVC	DEPTH/TYPE SEAL: BACKFILL MATERIAL:	-			Riser Concrete Bentonite
1 - 10% 10 - 20% 20 - 35%	Little Some	Very loose Loose Medium Dense Dense	0 - 4 4 - 10 10 - 30 30 - 50	Soft Medium Stiff Stiff	2 - 4 4 - 8 8 - 15	DIAMETER (inches): MATERIAL: SLOT SIZE (inches):	1.0 PVC 0.01	DEPTH/TYPE SEAL: BACKFILL MATERIAL: SURFACE SEAL:				Concrete Bentonite Native
1 - 10% 10 - 20% 20 - 35%	Little Some	Very loose Loose Medium Dense	0 - 4 4 - 10 10 - 30	Soft Medium Stiff	2 - 4 4 - 8	DIAMETER (inches): MATERIAL:	1.0 PVC	DEPTH/TYPE SEAL: BACKFILL MATERIAL:	-			Concrete Bentonite

1. Soils are visually classified in general accordance with the Modified Burmister Soil Classification System.

				ING/MONITOI NSTRUCTION				DESIGNATION		VTX-SB-3				
			PROJECT:		Ozone	Park		PROJECT NO.:		79111				
	er'e'	⇒ V [®]	LOCATION:		101-21 101st Street,	Queens, New York		DRILLER: INSPECTOR:		Clean Globe manda Turner				
			INSTALLA	TION DATES		5/9/2022		PAGE	3	of	6			
	SAMPLER			SING	C	ORE			R DEPTH MEASUREN					
TYPE		Geoprobe	TYPE	Sleeve	BARREL TYPE	Steel		TION INFORMATION	DATE:	5/10/2022				
SIZE (ID)		2 IN	MATERIAL	PVC	SIZE (ID)	2	DATUM:	-	TIME:	8:45				
HAMMER (LB.)		-	DIAMETER	2"	DIAMETER	2	TOC:	-	DEPTH (Ft):	35				
FALL (IN.)		- CAMDI	LENGTH E INFORMATIO	5' N			GS:	-	ELEVATION (Ft):	-	PID (PPM)			
DEPTH	1				I .	•	SOI	LDESCRIPTION		WELL	Background/			
ELEVATION	INTERVAL	PEN / REC	BLOWS / 6"	SPT	STRATA CHANGE (Ft/El.)					CONST	Actual			
0											0.0			
											0.0			
1		Hand Auger					0.0 - 3.0: C	oncrete and sub-base			0.0			
2	1										0.0			
	0.0 - 5.0										0.0			
3											0.0			
		5/1.0				3.0 - 5.0: Dark l	brown fill mate	rial with some clay; no odor	s or staining		3.2			
4											0.0			
5											0.0			
											0.0			
6						1					0.0			
7	1				1	1					0.0			
	5.0 - 10.0	5/2.25				1					0.0			
8]										0.0			
]					1					0.0			
9											0.0			
10					1	1					0.0			
10											0.0			
11											0.0			
											0.0			
12	10.0 -15.0	5/2.5									0.0			
13											0.0			
											0.0			
14											0.0			
15											0.0			
15											0.0			
16											0.0			
										0.0				
17	15.0 - 20.0	5/2.75									0.0			
18										0.0				
10						5.0 - 35.0: Brown mediu		with trace sub-angular rock,	dry to moist and wet		0.0			
19							at approx 2	7'; no staining or odors			0.0			
											0.0			
20											0.0			
21	_										0.0			
											0.0			
22	20.0 - 25.0	5/2.75									0.0			
- 22	-1.0 25.0	3,2.73	<u> </u>								0.0			
23		ļ												0.0
24	1				1	1					0.0			
]	1					0.0			
25						1					0.0			
26	-		<u> </u>		1	1					0.0			
20	1					1					0.0			
27	25.0 - 30.0	5/2.5			1	1					0.0			
	25.0 - 30.0	3/2.5				1					0.0			
28						1					0.0			
29	4		<u> </u>		1						0.0			
2.5	1										0.0			
30]						0.0			
	_					1					0.0			
31	-					1					0.0			
32	-				1	1					0.0			
32	30.0 - 35.0	2.25					D	minated at 25 0 ft h			0.0			
33]	Soil cample		minated at 35.0 ft bgs cted at 09:27 hrs from 3.5 - 4	1 Oft has		0.0			
-	4			_				l installed; depth to water 27			0.0			
34	-							TW-4 collected at 10:32 hrs			0.0			
MODII	FIFR	SAND AND	GRAVE	ÇIIT	AND CLAY	LOCATION:	1	Near NW corner of prope		WELLCO	0.0 NSTRUCTION			
1 - 10%	Trace	Density	Blows (N)	Consistency	Blows (N)		IONITORING W	/ELL CONSTRUCTION DATA	,		Screen			
10 - 20%	Little	Very loose	0 - 4	Very soft	<2	DEPTH:	15	DEPTH/TYPE PACK:	-		Riser			
20 - 35%	Some	Loose	4 - 10	Soft	2 - 4	DIAMETER (inches):	1.0	DEPTH/TYPE SEAL:	-		Concrete			
35 - 50%	And	Medium Dense	10 - 30	Medium Stiff	4 - 8	MATERIAL:	PVC	BACKFILL MATERIAL:	-		Bentonite			
-		Dense Very Dense	30 - 50 >50	Stiff Very Stiff	8 - 15 15 - 30	SLOT SIZE (inches): SCREEN INTERVAL:	0.01 5'-15'	SURFACE SEAL: ROADBOX DESC.:	-	1	Native Sand			
		very Delise	/30	Hard	>30	LENGTH OF RISER:	5-15	NOADBOX DESC	-		Grout			
NOTES:	1			···aru				I.	1		C/Out			

NOTES:

1. Soils are visually classified in general accordance with the Modified Burmister Soil Classification System.

2. Sampled from interval below former trench and where elevated PID readings were observed

			со	ING/MONITO	LOG			DESIGNATION			X-SB-3			
			PROJECT:		Ozone	Park		PROJECT NO.: DRILLER:			9111 n Globe			
V			LOCATION:		101-21 101st Street,	Queens, New York		INSPECTOR:			da Turner	-		
				TION DATES		5/9/2022		PAGE	3	of		6		
TVDE	SAMPLER	Committee		SING		ORE	F1 E1		R DEPTH MEASUREN					
TYPE SIZE (ID)		Geoprobe 2 IN	TYPE MATERIAL	Sleeve PVC	BARREL TYPE SIZE (ID)	Steel 2	DATUM:	ATION INFORMATION	DATE: TIME:	5/	/10/2022 8:45	+		
HAMMER (LB.)		-	DIAMETER	2"	DIAMETER	2	TOC:	-	DEPTH (Ft):		35	+		
FALL (IN.)		-	LENGTH	5'			GS:	-	ELEVATION (Ft):		-			
		SAMPL	EINFORMATIO	N	1	<u>.</u>					WELL	PID (PPM)		
DEPTH ELEVATION	INTERVAL	PEN / REC	BLOWS / 6"	SPT	STRATA CHANGE (Ft/EI.)		501	L DESCRIPTION			CONST	Background/ Actual		
0										-		0.0		
		Hand Auger					0.0 - 2.0: 0	oncrete and sub-base				0.0		
1												0.0		
2	00.50											0.0		
	0.0 - 5.0											0.0		
3		5/0.0										0.0		
4												0.0		
												0.0		
5												0.0		
6	1											0.0		
	4											0.0		
7	5.0 - 10.0	5/1.75										0.0		
8	1				1							0.0		
	1											0.0		
9	†											0.0		
10					1							0.0		
11												0.0		
- 11												0.0		
12	10.0 -15.0	5/3.0										0.0		
13		.,										0.0		
13												0.0		
14												0.0		
15												0.0		
												0.0		
16												0.0		
17						2.0 - 34.0: Brown medium grain sand with trace sub-angular rock, dry to moist ar						0.0		
	15.0 - 20.0	5/3.0					at approx 3	0'; no staining or odors				0.0		
18												0.0		
19				-								0.0		
												0.0		
20												0.0		
21												0.0		
												0.0		
22	20.0 - 25.0	5/3.0										0.0		
23	1			<u> </u>										0.0
34	4											0.0		
24	†											0.0		
25]							0.0		
26	1				1							0.0		
20	1											0.0		
27	25.0 - 30.0	5/3.0										0.0		
28	1				1							0.0		
	1											0.0		
29												0.0		
30	 				1							0.0		
	1											0.0		
31												0.0		
32	1				1							0.0		
	30.0 - 35.0	1.75					Rofin	sal at 34.0 ft bgs				0.0		
33	1					Soil sample		ected at 12:34 hrs from 8.0 - 8	8.5 ft bgs			0.0		
34	†				1	Temporary r	monitoring wel	l installed; depth to water 27				0.0		
	L						W sample VTX-	-TW-5 collected at 12:51 hrs				0.0		
MODII		SAND AND			AND CLAY	LOCATION:	ONITORING	Near NW corner of prop	erty		WELL CO	ONSTRUCTION		
1 - 10% 10 - 20%	Trace Little	Density Very loose	Blows (N) 0 - 4	Consistency Very soft	Blows (N) <2	DEPTH:	15	DEPTH/TYPE PACK:	-	f		Screen Riser		
20 - 35%	Some	Loose	4 - 10	Soft	2 - 4	DIAMETER (inches):	1.0	DEPTH/TYPE SEAL:	-			Concrete		
35 - 50%	And	Medium Dense	10 - 30	Medium Stiff	4 - 8	MATERIAL:	PVC	BACKFILL MATERIAL:	-			Bentonite		
	 	Dense Very Dense	30 - 50 >50	Stiff Very Stiff	8 - 15 15 - 30	SLOT SIZE (inches): SCREEN INTERVAL:	0.01 5'-15'	SURFACE SEAL: ROADBOX DESC.:	-			Native Sand		
				Hard	>30	LENGTH OF RISER:	5					Grout		
NOTES:						-								

NOTES:

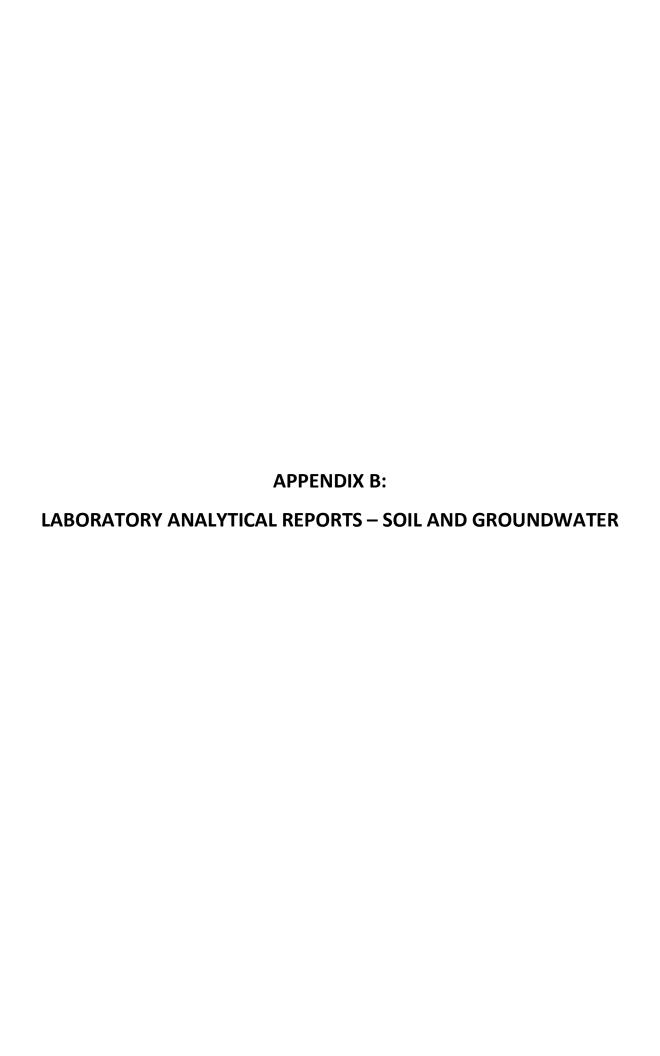
1. Soils are visually classified in general accordance with the Modified Burmister Soil Classification System.
2. Sampled from interval below former trench and where elevated PID readings were observed

SOIL BORING/MONITORING WELL DESIGNATION V											- 6		
				NSTRUCTION									
			PROJECT:		Ozone	Park		PROJECT NO.: DRILLER:		79111			
			LOCATION:		101-21 101st Street,	Queens, New York		INSPECTOR:			Clean Globe manda Turner		
			INSTALLA	TION DATES		5/9/2021		PAGE 6		of 6			
SAMPLER			CA	SING	CO	ORE		GROUNDWATER	DEPTH MEASURE				
TYPE		Geoprobe	TYPE	Sleeve	BARREL TYPE	Steel		TION INFORMATION	DATE:	NA			
SIZE (ID) HAMMER (LB.)		2 IN -	MATERIAL DIAMETER	PVC 2"	SIZE (ID) DIAMETER	2 2	DATUM: TOC:	-	TIME: DEPTH (Ft):	NA NA			
FALL (IN.)	<u> </u>	-	LENGTH	5'	DIAIVIETER	2	GS:	-	ELEVATION (Ft):	-			
()			INFORMATIO				1					PID (PPM)	
DEPTH	INTERVAL	PEN / REC	BLOWS / 6"	SPT	STRATA CHANGE (Ft/El.)	1	SOIL	. DESCRIPTION		WEL CON:		Background/	
ELEVATION	ELEVATION									COIL	·-	Actual	
0	-			 		0.0 - 0.5: Concrete and sub-base						0.0	
1												0.0	
		hand auger										0.0	
2	0.0 - 5.0											0.0	
2	-											0.0	
3												0.0	
4		5/1.0										0.0	
												0.0	
5	5.0 - 10.0											0.0	
6					1							0.0	
		5/1.75										0.0	
7												0.0	
8												0.0	
												0.0	
9]											0.0	
												0.0	
10												0.0	
11												0.0	
												0.0	
12	10.0 -15.0	5/1.75										0.0	
13	1											0.0	
						0.5 - 30.0: Brown med	ium grain sand	d with trace sub-angular roo	k, dry to moist and			0.0	
14						,	wet at approx	30'; no staining or odors				0.0	
15						•						0.0	
13					- - -							0.0	
16												0.0	
17												0.0	
1/	15.0 - 20.0	5/2.5										0.0	
18												0.0	
												0.0	
19	1											0.0	
20						1						0.0	
												0.0	
21												0.0	
22		- /			1							0.0	
	20.0 - 25.0	5/1.75										0.0	
23	4											0.0	
24	1											0.0	
												0.0	
25												0.0	
26												0.0	
26	1				- - - -							0.0	
27	25.0 - 30.0	5/3.0									0.0		
	23.0 - 30.0	5/3.0				Boring terminated at 30.0 ft bgs Soil sample VTX-SB-6 collected at 13:50 hrs from 23.5 - 24.0 ft bgs						0.0	
28	-											0.0	
29	1				1			installed; depth to water 2				0.0	
							/ sample VTX-	TW-6 collected at 14:08 hrs				0.0	
MODIFIER		SAND AND			AND CLAY	LOCATION:	Near NW corner of property MONITORING WELL CONSTRUCTION DATA		erty WELL		L COI	ONSTRUCTION	
1 - 10% 10 - 20%	Trace Little	Density Very loose	Blows (N) 0 - 4	Consistency Very soft	Blows (N)	DEPTH:	15	DEPTH/TYPE PACK:	-		ī	Screen Riser	
20 - 35%	Some	Loose	4 - 10	Soft	2 - 4	DIAMETER (inches):	1.0	DEPTH/TYPE SEAL:	-			Concrete	
35 - 50%	And	Medium Dense	10 - 30	Medium Stiff	4 - 8	MATERIAL:	PVC	BACKFILL MATERIAL:	-			Bentonite	
	1	Dense Very Dense	30 - 50 >50	Stiff Very Stiff	8 - 15 15 - 30	SLOT SIZE (inches): SCREEN INTERVAL:	0.01 5'-15'	SURFACE SEAL: ROADBOX DESC.:	-			Native Sand	
		very belise	/30	Hard	>30	LENGTH OF RISER:	5 - 15	NOADBOA DESC.:	-			Grout	
NOTES:	•	-		-	•	-	•	•					

- NOTES:

 1. Soils are visually classified in general accordance with the Modified Burmister Soil Classification System.

 2. Sampled from interval above groundwater interface



Serial_No:05162215:44

Alpha Analytical, Inc. Facility: Company-wide

Department: Quality Assurance

Title: Certificate/Approval Program Summary

ID No.:17873 Revision 19

Published Date: 4/2/2021 1:14:23 PM

Page 1 of 1

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625/625.1: alpha-Terpineol

EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene;

EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; EPA 353.2: Nitrate-N, Nitrite-N; SM4500NO3-F: Nitrate-N, Nitrite-N; SM4500F-C, SM4500CN-CE,

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 332: Perchlorate; EPA 524.2: THMs and VOCs; EPA 504.1: EDB, DBCP.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D.

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, EPA 350.1: Ammonia-N, LACHAT 10-107-06-1-B: Ammonia-N, EPA 351.1, SM4500NO3-F, EPA 353.2: Nitrate-N, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate. EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan II, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), EPA 600/4-81-045: PCB-Oil.

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.

Mansfield Facility:

Drinking Water

EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. EPA 200.8: Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. EPA 245.1 Hg. EPA 522, EPA 537.1.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg

SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Document Type: Form

Westborough, MA 01581 8 Welkup Dr. TEL: 508-898-9220 FAX: 508-888-9193	NEW YORK CHAIN OF CUSTODY Mansfield, MA 02048 320 Farbes Blvd TEL 508-822-9300 FAX 508-822-3288	Albany, NY 12205: 14 Walker W. Tonawanda, NY 14150: 275 Con Project Unformation Project Name: 07200	Ashwah, NJ 07430: 35 Whitney Rd, Guite 5 Albany, NY 12205: 14 Walker Way Conawanda, NY 14150: 275 Cooper Ave, Suite 105 Broject (Information				Date Rec'd In Lab SIII 22 Daliverables ASP-A ASP-B					ALPHA Job# L22894545 Billing Information V Same as Client Info	
FAX 508-822-3288		Project Location: 101-21 1017 37, Outons, NV					EQuIS (1 File) EQuIS (4 File)				PO#		
Client Information		Project # 74111						Other					
Client: VENTEX	44 11 4 1 44	(Use Project name as Pr					Service Co.	latory Requ	irement			Disposal Site Information	HT
Bronchburg N	12. W-9116 90+	Project Manager: Mada 4n VUOD ALPHAQuote #:						NY TOGS NY Part 375 AWQ Standards NY CP-51				Please identify below location of applicable disposal facilities.	
Phone:		Turn-Around Time						NY Restricte	d Use	Disposal Facility:	***********		
Fax:		Standard		Due Date:	5			NY Unrestric	ted Use			NJ NY	
Email: MKWOSCVE	rexerg.com	Rush (only if pre approved	X	# of Days:	4 Dac	(2		NYC Sewer	Discharge			Other	
These samples have b		ed by Alpha					ANA	LYSIS				Sample Filtration	T
Other project specific		nents:					-5	XS				Done Lab to do Preservation Lab to do	a B o
ALPHA Lab ID		mple ID Collection			Sample	Sampler's	18	KB					t
(Lab Use Only)	GB.	mibie ID	Date	Time	Matrix	Initials	7	04				Sample Specific Commer	its e
24542 1	VTX-5B-1	(300-30.5)	519/2012	11:37	5	KT	X	X					5
2	VTX-SB-Z	2 (260-265)	5.19/2022	1034	5	AT	X						4
3	VTV-8B-2	000-10.55	Slichzogz	11:10	S	AT	X					1-2	4
4	VTX-58-4	(3.5-4.0)	5/10/202	-09:27	S	AT	X	X			77	on Hold	5
5	VTX-SB-5	(2.8-08)	5/10/2027	1234	S	AT	X	X				200 700 700	5
(0	VTV-SB-C	(235-240)	519(2022	13.50	5	AT	X	,			- 1		4
													#
Preservative Code: A = None B = HCl C = HNO ₃	Container Code P = Plastic A = Amber Glass V = Vial	Westboro: Certification No: MA935 Mansfield: Certification No: MA015 Contain					E	A				Please print clearly, legi and completely. Sample not be logged in and	
D = H _E SO _A E = NaOH	G = Glass B = Bacteria Cup					reservative	1212					turnaround fime clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES	
E = NaOH B F = MeOH C G = NaHSO ₂ C H = Na ₂ S ₂ O ₃ E	C = Cube O = Other E = Encore D = BOD Bottle	MEMB Geny		Stolers Stolers Stules	1930 M > N		Received By: A Warranger Company of the second of the se			5/10/22/3/4 5/10/22/3/4 5/10/20 2005			
Form No: 01-25 HC (rev. 3)	0-Sept-2013)	/		1.		When	dy	Mores	u,	,	2 05:0	(See reverse side.)	

ΔΙΡΗΑ	CHAIN OF CUSTODY	Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Gooper Ave, Suite 105			Page		Date Rec'd 5/11/22					ALPHA JOB # L2224595		
Westborough, MA 01551 8 Walkup Dr.	Mansfield, MA 02048 320 Forbes Blvd	Project Information					Deliverables					Billing Information		
TEL 508-898-9220 FAX: 508-898-9193	TEL: 508-822-9300 FAX: 508-822-3288	Project Name: 2 2 Project Location: 0 -			weeks	NA CONTRACTOR		ASP-A EQuIS (1 F	ile)	ASP-I	3 5 (4 File)	Same as Client Info		
Client Information		Project # 79111	E		4 4 4			Other	AND DESCRIPTION OF THE PERSON	_	_	B10 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1		
Phone:	22 W 51495	Project Manager: M(ALPHAQuote #; Turn-Around Time							rement	rt 375 -51	Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility:			
Fax:	rachiana im	Standar Rush (only if pre approve		Due Date	110	E		NY Unrestric				NI NA		
These samples have be		7					NYC Sewer Discharge:					Sample Filtration		
Other project specific							ANA	LTSIS	1 1			_		
Please specify Metals	s or TAL.						8.	als				☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)		
ALPHA Lab ID (Lab Use Only) Sample ID		mple ID	Collection		Sample			32		1				
24545 7	VAV. TIVI		Date	Time	Matrix		4			+	-	Sample Specific Comments		
0 10 0	VTX-TW-1	2	5912	12.14	6W	AT	3	7	-	1		Š		
9	VTX- TU-		51912	11:43	GW	AT	V			1				
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肾	VTY-SV-	2	59172	14:55	GW	AT	X					2		
Preservative Code: A = None	Container Code P = Plastic	Westborn: Certification I	No: MA935		Con	tainer Type	1	_				Please print clearly, legibly		
B = HCI C = HNO ₃ D = H ₂ SO ₄	A = Amber Glass V = Vial G = Glass B = Bacteria Cup	Mansfield: Certification No: MA015			Preservative		B	14				and completely. Samples car not be logged in and turnaround time clock will not start until any ambiguities are		
F = MeOH	C = Cube D = Other	Relinquished By: , Date			†ime	1-1-	Recei	ved By:		Date/Time		resolved, BY EXECUTING		
H = Na ₂ S ₂ O ₃	E = Encore D = BOD Bottle	Amanda Tur		S 4/12	13:30	HUMR	brede	2	5/	10/2-	2 13:30	TO BE BOUND BY ALPHA		
Form No. 01-25 HC (rev. 30	20000		ML 5	10/00	ora	100	_	20	110/	1/25	02:00	TERMS & CONDITIONS. (See reverse side.)		

APPENDIX C:

Sub-Slab Soil Gas and Indoor Air

Serial_No:05162216:05

Alpha Analytical, Inc. Facility: Company-wide

Department: Quality Assurance

Title: Certificate/Approval Program Summary

ID No.:17873 Revision 19

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Published Date: 4/2/2021 1:14:23 PM

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625/625.1: alpha-Terpineol

EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene;

EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; EPA 353.2: Nitrate-N, Nitrite-N; SM4500NO3-F: Nitrate-N, Nitrite-N; SM4500F-C, SM4500CN-CE,

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 332: Perchlorate; EPA 524.2: THMs and VOCs; EPA 504.1: EDB, DBCP.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D.

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, EPA 350.1: Ammonia-N, LACHAT 10-107-06-1-B: Ammonia-N, EPA 351.1, SM4500NO3-F, EPA 353.2: Nitrate-N, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate. EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan II, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), EPA 600/4-81-045: PCB-Oil.

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.

Mansfield Facility:

Drinking Water

EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. EPA 200.8: Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. EPA 245.1 Hg. EPA 522, EPA 537.1.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg

SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Document Type: Form

Pre-Qualtrax Document ID: 08-113

ALPHA	NALYSIS PAGE OF 1						Date Rec'd in Lab: 5/11/22							ALPHA Job #:				
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*SAMPLE	= Ambient Air (Indoor/Outdoor) = Soil Vapor/Landfill Gas/SVE er = Please Specify						Container Type CS						H	1	Please print cle	arly, legibly and mples can not be		
Orm No: 101-02 Rev (25-Sep-15) Page 51 of 51		Relinquished By: 18:46 18:46 18:46 18:46			Date/Time 5/リユ 5/10/22 (5)		Mon	Receiv H(N)	Received By:			5/10	Date/Time: 10) 27 13:4 22 200 22 200			logged in and turnaround time clock will not start until any ambi- guities are resolved. All samples submitted are subject to Alpha's ferms and Conditions.		