Phase II Environmental Site Assessment

1612 5th Avenue
Bay Shore, New York

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1. Introduction

Roux Environmental Engineering and Geology, D.P.C. (Roux), on behalf of Fifth XNY, LLC (Fifth XNY), has prepared this Phase II Environmental Site Assessment (ESA) to characterize the environmental conditions of the property at 1612 5th Avenue, Bay Shore, New York (referred to herein as Site, or Subject Property). A Site Location Map and a Site Plan are provided in Figure 1 and 2, respectively.

The objective of this Phase II ESA was to further assess the potential environmental impacts identified in the Phase I ESA completed by Roux, dated April 27, 2022.

1.1 Property Location and Site Description

The Site is identified as five contiguous lots situated on the west side of 5th Avenue in Bay Shore, New York. The Site is bounded by three commercial lots to the north, 5th Avenue to the east, six commercial lots to the south, and nine residential lots to the west. The Site is currently occupied by Hubbard Sand and Gravel, a landscape and masonry supply company which provides products including, but not limited to, topsoil, mulch, ready-mix concrete, sand, aggregates, pavers, and decorative stones. The eastern portion of the Site is partially paved with concrete, which was observed to be in generally poor condition, and partially developed with a one-story office building. Stormwater leach pools were also noted in this portion of the Site. Additionally, the Site is improved with a vehicle maintenance and repair building on the north end. There is one 150-gallon waste oil aboveground storage tank (AST) within the maintenance and repair building, and one 1,000-gallon diesel AST contained within a storage container in the northeastern portion of the Site.

The remainder of the Site is unpaved and predominantly occupied by open roadways for trucks and equipment to move about, as well as staging areas for stockpiles of material. Vehicles, trucks, equipment, and processing equipment, storage containers, and formerly utilized storage sheds were found in disrepair across the Site. A portion of the western and northwestern sides of the Site are surrounded by vegetated soil berms.

1.2 Site History

Roux's review of historical documentation during the Phase I ESA, including the historical aerial photographs, historical topographic maps, and a city directory abstract, as well as an interview with key Site representative, shows the Site has been owned by Hubbard Sand and Gravel since at least 1947 and operated as a sand mine through at least 1963. Between 1963 and 1986, the western portion of the Site was utilized as a municipal landfill and reportedly accepted chemical waste, metal waste, and large quantities of construction and demolition (C&D) debris. A New York State Department of Environmental Conservation (NYSDEC)-approved Phase II investigation was designed and implemented in the late-1980s and early-1990s, which indicated that pesticides, metals, volatile organic compounds (VOCs), and semivolatile organic compounds (SVOCs) were present in environmental media at the Site. However, this investigation also concluded that there had been no documented disposal of hazardous waste at the Subject Property and that elevated concentrations of VOCs in groundwater at the Subject Property were migrating from an upgradient source. The Subject Property did not qualify to remain on the Registry of Inactive Hazardous Waste Disposal Sites and was delisted by the NYSDEC in 1992. Since 1992, the Subject Property has continued to be owned and operated by Hubbard Sand and Gravel, providing products

including, but not limited to, topsoil, mulch, ready-mix concrete, sand, aggregates, pavers, and decorative stones.

1.3 Results of the Phase I ESA

Based on the information gathered during the Phase I ESA, Roux identified the following Recognized Environmental Conditions (RECs) in connection with the Site:

- Current and Historical Subject Property Usage: The historical aerial photographs, city directory image report, and environmental databases reviewed for the Subject Property and the Subject Property reconnaissance indicated current and historical usages of environmental concern. Vehicle maintenance and repair operations in the northeastern portion of the Subject Property have been ongoing since at least 1994. The storage of hazardous materials and petroleum products, as well as *de minimis* staining on concrete surfaces, was identified in this area during the reconnaissance, which indicate the long-term use of these products. Additionally, environmental databases reviewed indicated that between 1963 and 1986, the western portion of the Subject Property was utilized as a municipal landfill and reportedly accepted chemical waste, metal waste, and large quantities of C&D debris. Historical aerial photographs reviewed for this time period corroborated these landfilling operations. A NYSDEC-approved Phase II investigation was designed and implemented in the late-1980s and early-1990s, which indicated that pesticides, metals, VOCs, and SVOCs were present in environmental media at the Subject Property. Although the NYSDEC removed the Subject Property from the Registry of Inactive Hazardous Waste Disposal Sites in New York State in 1992 after no hazardous wastes were identified, residual soil and groundwater contamination may be present at the Subject Property as a result of these landfilling operations. The historical use of the Subject Property as a landfill and the historical and current use of the Subject Property for vehicle maintenance and repair operations is considered a REC.
- Current and Historical Surrounding Property Usage: The city directory image report and environmental databases reviewed for the Subject Property and the Subject Property reconnaissance indicated the presence of several surrounding properties of environmental concern, including automobile maintenance and repair facilities, gasoline filling stations, sign manufacturing facilities, fuel oil companies, laundry facilities, and furniture manufacturing facilities. Additionally, the environmental databases reviewed identified several Resource Conservation and Recovery Act (RCRA) listings related to hazardous waste codes relating to the production, use, and disposal of solvents and benzenes and indicate historical and remaining VOC groundwater and soil vapor contamination in the vicinity of the Subject Property. Additionally, several New York (NY) spill listings, both open and closed, indicated historical and remaining petroleum-related groundwater contamination in the vicinity of the Subject Property. Additionally, environmental listings for the Subject Property indicated that elevated concentrations of VOCs in groundwater were migrating to the Subject Property from an upgradient source, which is supported by the number of potential upgradient groundwater contamination sources identified during this Phase I ESA. Due to the number and proximity of surrounding and upgradient properties of environmental concern and known presence of VOCs in groundwater at the Subject Property attributed to upgradient sources, the current and historical surrounding property usage is considered a REC and may continue to impact upon the environmental quality of the Subject Property.
- Stained Soil at the Subject Property: Stained soil was observed in two locations during the Subject Property reconnaissance, once in the southeastern portion of the Subject Property and once in the northwestern portion of the Subject Property. There were no drums or other containers of hazardous materials in the vicinity of the stained soil in the southeastern portion of the Subject Property. The stained soil in the northwestern portion of the Subject Property was in the vicinity of a 55-gallon diesel engine oil drum. The stained soil in these two portions of the Subject Property is considered a REC.

Additionally, based on the information gathered during the Phase I ESA, Roux identified the following Historical Recognized Environmental Condition (HREC) in connection with the Site:

- Closed New York Spill Listings: The Subject Property has historically been associated with two NY spill listings, NY Spill #9506509 and NY Spill #0407289. NY Spill #9506509 was opened on August 26, 1995. The NYSDEC spill memorandum states that wood chips contaminated with unknown material were being burned at the Subject Property. The memorandum does not specify any remedial or follow-up actions. The NYSDEC closed this spill on August 31, 1995. NY Spill #0407289 was opened on September 30, 2004. The NYSDEC spill memorandum states approximately 50 gallons of diesel were released to the soil at the Subject Property when a truck turned over. The memorandum states that groundwater impacts due to this spill are unlikely. The memorandum does not specify any remedial or follow-up actions. Both NY Spill #9506509 and NY Spill #0407289 have been closed by the NYSDEC with no requirements for additional investigation or remediation and therefore these spills are considered a HREC.

Based on the information gathered during the Phase I ESA process, Roux identified the following Business Environmental Risks (BERs) in connection with Site:

- Presence of Dry Wells at the Subject Property: During the Subject Property reconnaissance, Roux identified a stormwater management system in the eastern exterior portion of the Subject Property which consisted of a series of four open grate and two closed top dry wells. The presence of these dry wells provides a direct conduit to the subsurface for potential contaminants and their presence is therefore considered a BER.
- Presence of Soil Berms at the Subject Property: During the Subject Property reconnaissance, Roux identified several vegetated berms of soil/fill material along the western and northwestern sides of the Subject Property. The source and condition of these soil/fill berms could not be confirmed during the Phase I ESA. These soil/fill berms may need to be disposed of to allow for future operations at the Subject Property. The presence of soil/fill berms of unknown condition at the Subject Property is considered a BER.

Roux did not identify any Controlled Recognized Environmental Conditions (CRECs) in connection with the Subject Property.

2. Methods of Investigation

The following scope of work was implemented between February 1 and March 3, 2022. Soil boring, groundwater, soil vapor, and drywell sediment sampling locations are shown on Figure 2.

2.1 Soil Investigation

Soil sampling was performed from February 1, 2022 through March 3, 2022. The scope of work consisted of the completion of fourteen soil borings and the collection of twenty-one soil samples.

Four soil borings were advanced using Roux's subcontracted driller, Trinity Environmental, by means of a Geoprobe® 7720-DT Direct-Push rig. Each soil boring was pre-cleared to 5' bls using hand tools to prevent damage to potential sub-surface utilities. The borings were advanced to 20 to 30 feet below land surface (ft bls). The groundwater table was observed between 14 and 29 ft bls at the four boring locations.

Four additional soil borings were advanced by Aquifer Drilling and Testing (ADT), utilizing mud rotary drilling and sample collection with split spoons. ADT was subcontracted by GZA GeoEnvironmental, Inc. (GZA), as part of the geotechnical investigation being undertaken at the same time this Phase II ESA was being conducted. These borings were completed under the oversight of Roux's field geologist and GZA's field engineer. Geotechnical borings were advanced, by the direction of GZA, to approximately 70 ft bls, or to the extent of fill material.

Two samples were collected from each drilled soil boring, except for SB-11, where no recovery was collected from the deep sample interval. Soil samples were collected from the first two-foot interval of each soil boring, as well as from the 10-12 ft bls interval.

Three shallow soil borings were completed each with one sample collected from the surface soil (0-2 ft bls) within the historic landfill footprint. Further, three additional soil borings completed with one shallow soil sample collected from each from the surface soil from the berm lining the west side of the Site. All six shallow soil samples were advanced using hand tools to approximately 2 ft bls.

Soil from each boring described above was visually inspected by Roux's field geologist for evidence of impacts and screened for organic vapors in the field using a photoionization detector (PID). Soil lithology was recorded according to the Unified Soil Classification System (USCS) and soil boring logs were prepared (provided in Appendix A).

2.2 Groundwater Investigation

Eight of the soil borings described above (SB-1 through SB-4 and SB-8 through SB-11) were converted to temporary monitoring wells (TW-1 through TW-8). The temporary wells were constructed of either one-inch or two-inch diameter polyvinyl chloride (PVC) riser and ten feet of well screen. Following installation, groundwater samples were collected from seven of the eight temporary monitoring wells using a peristaltic pump. One sample was not collected from TW-7 due to a compromised well screen and lack of water column present in the temporary well.

Groundwater was observed at 14.1 to 26.52 ft bls across the Site.

2.3 Soil Vapor Investigation

On February 2, 2022, four soil vapor samples were collected. The soil vapor sampling screen was installed from 5 to 5.5 ft bls. The integrity of the soil vapor sampling point was checked utilizing a helium tracrer gas in accordance with the October 2006 New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion to verify that the soil vapor samples were not compromised by inadvertent introduction of ambient air into the sample. Soil vapor was purged from the point using an air pump calibrated to 0.2 liters per minute while the sampling point was covered at the surface with a small enclosure that was partially filled with helium. The soil vapor samples were collected over a two hour duration using a batch-certified summa vacuum canister equipped with a laboratory-supplied flow regulator for analysis of VOCs.

2.4 Drywell Sediment Investigation

On February 11, 2022, six sediment samples were collected from six drywell structures located in the eastern portion of the Site. Samples were collected using a hand auger from the upper 12 inches of sediment within each of the drywell structures.

2.5 Laboratory Analysis

Soil and groundwater samples were analyzed at Eurofins TestAmerica of Edison, New Jersey while sediment and soil vapor samples were analyzed by Alpha Analytical of Westborough, Massachusettes, both NYSDOH Environmental Laboratory Approval Program (ELAP)-certified laboratories. Soil and groundwater samples were analyzed for Target Compound List (TCL) VOCs, TCL SVOCs, Pesticides, Target Analyte List (TAL) Metals, and PCBs. The soil vapor samples were analyzed for VOCs using EPA Method TO-15, and for methane using USEPA Method 3C. Sediment samples were analyzed for Suffolk County Department of Health Services (SCDHS) List for VOCs, SVOCs, and Metals.

3. Phase II ESA Results

Work completed as part of this Phase II ESA included the collection of soil, groundwater, soil vapor, and drywell sediment samples. An overview of hydrogeologic conditions, followed by an evaluation of the environmental media sampling results is provided below. Soil boring logs developed for each boring location are provided in Appendix A. Laboratory analytical data is provided as Appendix B.

3.1 Site Geology

The locations of the Site formerly utilized as a C&D landfill are underlain with a mixture of fill consistent with the historic landfill contents, mostly consisting of brick, wood, concrete, plastic, and glass to a minimum depth of 2 feet and a maximum depth of 65 feet across the Site. Note that observations made from deeper intervals are based on the geotechnical borings completed. Beneath the historic fill, the subsurface is predominantly comprised of fine to coarse sand. Borings completed in the portion of the Site where C&D landfilling did not occur cosisted of fine to coarse sand and fine gravel.

3.2 Site Hydrogeology

Groundwater was encountered at all soil borings ranging from 14 to 29 ft bls. While a flow direction determination was not made as part of this investigation, groundwater is expected to flow towards the south in the direction of the Great South Bay. Previously completed site investigation activities confirmed that groundwater flow was generally to the south.

3.3 Soil Investigation Analytical Results

The following section presents the results of the soil sampling and laboratory analysis.

Twenty one soil samples were collected for laboratory analysis. No visual or orlfactory evidence of impacts was observed during soil boring advancement.

The results were compared to NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs) and Commercial Use Soil Cleanup Objectives (CUSCOs) and are provided in Tables 1 through 5. The rationale for comparing soil analytical results to both standards is based on the intended commercial use of the Site.

VOCs in Soil

All concentrations of VOCs were below the CUSCOs in all soil samples. Concentrations of VOCs exceeded the UUSCOs for two compounds in nine samples as noted below:

- Acetone was detected above the UUSCO (0.05 milligrams per kilogram [mg/kg]) in nine soil samples at concentrations ranging from 0.071 mg/kg (SB-4 (10-12)) and 0.86 mg/kg (SB-8 (12-14)).
- Methyl Ethyl Ketone (2-Butanone) was detected above the UUSCO (0.12 mg/kg) in one soil sample (SB-8 (12-14)) at a concentration of 0.17 mg/kg.

Acetone is commonly used during laboratory decontamination procedures and is frequently identified as a laboratory-introduced contaminant. Based on the lack of VOC detections in the soil samples, it is believed that these detections of acetone are due to laboratory cross-contamination.

SVOCs in Soil

Concentrations of SVOCs exceeded the CUSCO for four compounds across four samples, as noted below:

- Benzo(A)Anthracene was detected above the CUSCO (5.6 mg/kg) in two samples ranging from 6.3 mg/kg (SB-8 (0-2)) and 6.4 mg/kg (SB-10 (10-12)).
- Benzo(A)Pyrene was detected above the CUSCO (1.0 mg/kg) in three samples ranging from 3.8 mg/kg (SB-8 (12-14)) and 5.9 mg/kg (SB-8 (0-2).
- Benzo(B)Flouranthene was detected above the CUSCO (5.6 mg/kg) in two samples ranging from 7.7 mg/kg (SB-10 (10-12)) and 9.0 mg/kg (SB-8 (0-2)).
- Dibenz(A,H)Anthracene was detected above the CUSCO (0.56 mg/kg) in three samples ranging from 0.59 mg/kg (SB-8 (12-14)) and 0.93 mg/kg (SB-8 (0-2)).

Concentrations of SVOCs exceeded the UUSCOs for six compounds across three samples as noted below:

- 4-Methylphenol (P-Cresol) was detected above the UUSCO (0.33 mg/kg) in one sample (SB-8 (12-14)) at a concentration of 0.4 mg/kg.
- Benzo(A)Anthracene was detected above the UUSCO (1.0 mg.kg) in one sample (SB-8 (12-14)) at a concentration of 3.0 mg/kg.
- Benzo(B)Flouranthene was detected above the UUSCO (1.0 mg/kg) in one sample (SB-8 (12-14)) at a concentration of 5.4 mg/kg.
- Benzo(K)Fluoranthene was detected above the UUSCO (0.8 mg/kg) in three samples ranging from 2.3 mg/kg (SB-8 (12-14)) and 3.3 mg/kg (SB-8 (0-2)).
- Chrysene was detected above the UUSCO (1.0 mg/kg) in three samples ranging from 3.6 mg/kg (SB-8 (12-14)) and 7.5 mg/kg (SB-8 (0-2)).
- Indeno(1,2,3-C,D)Pyrene was detected above the UUSCO (0.5 mg/kg) in three samples ranging from 2.6 mg/kg (SB-8 (12-14)) and 3.4 mg/kg (SB-8 (0-2)).

Metals in Soil

Concentrations of metals exceeded the CUSCOs for four metals across three samples as noted below:

- Arsenic was detected above the CUSCO (16 mg/kg) in three samples ranging from 17.7 mg/kg (SB-4 (10-12)) and 119 mg/kg (SB-8 (12-14)).
- Barium was detected above the CUSCO (400 mg/kg) in one sample (SB-8 (12-14)) at a concentration of 670 mg/kg.
- Cadmium was detected above the CUSCO (9.3 mg/kg) in one sample (SB-4 (10-12)) at a concentration of 10.3 mg/kg.
- Lead was detected above the CUSCO (1000 mg/kg) in one sample (SB-8 (12-14)) at a concentration of 1880 mg/kg.

Concentrations of metals exceeded the UUSCOs for six metals across six samples as noted below:

- Cadmium was detected above the UUSCO (2.5 mg/kg) in one sample (SB-8 (12-14)) at a concentration of 4.1 J mg/kg.
- Total Chromium was detected above the UUSCO (30 mg/kg) in three samples ranging from 38.4 mg/kg (SB-9 (10-12)) and 147 mg/kg (SB-8 (12-14)).
- Copper was detected above the UUSCO (50 mg/kg) in two samples ranging from 191 mg/kg (SB-8 (12-14)) and 236 mg/kg (SB-4 (10-12)).

- Lead was detected above the UUSCO (63 mg/kg) in three samples ranging from 125 mg/kg (SB-3 (10-12)) and 463 mg/kg (SB-4 (10-12)).
- Mercury was detected above the UUSCO (0.18 mg/kg) in five samples ranging from 0.19 mg/kg (SB-6 (0-2)) and 1.8 mg/kg (SB-8 (12-14)).
- Zinc was detected above the UUSCO (109 mg/kg) in five samples ranging from 177 mg/kg (SB-3 (10-12)) and 1610 mg/kg (SB-8 (12-14)).

PCB and Pesticides on Soil

There were no detections of PCBs exceeding the CUSCOs. There were two detections of PCBs exceeding the UUSCO (0.1 mg/kg) in two samples ranging from 0.06 mg/kg (SB-9 (10-12)) and 0.99 mg/kg (SB-8 (12-14)).

There were no detections of Pesticides exceeding the CUSCOs. Concentrations of Pesticides exceeded the UUSCOs for four pesticides across sixteen samples, as noted below:

- Dieldrin was detected above the UUSCO (0.005 mg/kg) in two samples ranging from 0.0064 mg/kg (SB-7 (0-2)) and 0.012 mg/kg (SB-6 (0-2)).
- P,P'-DDD was detected above the UUSCO (0.0033 mg/kg) in eight samples ranging from 0.0035 J mg/kg (SB-4 (10-12)) and 0.014 mg/kg (SB-10 (10-12)).
- P,P'-DDE was detected above the UUSCO (0.0033 mg/kg) in fifteen samples ranging from 0.0043 J mg/kg (SB-4 (0-2)) and 0.032 mg/kg (SB-3 (10-12)).
- P,P'-DDT was detected above the UUSCO (0.0033 mg/kg) in three samples ranging from 0.0037 JP mg/kg (SB-3 (0-2)) and 0.0068 J mg/kg (SB-1 (10-12)).

3.4 Groundwater Investigation Analyical Results

The following section presents the results of the groundwater sampling and laboratory analysis.

The results were compared to the NYSDEC Ambient Water Quality Standards and Guidance Values (AWQSGVs) and are provided in Tables 6 through 11.

VOCs in Groundwater

Concentrations of VOCs were detected above the AWQSGV (50 ug/L) in one groundwater sample at TW-8 for Acetone at a concentration of 170 ug/L. Acetone is commonly used during laboratory decontamination procedures and is frequently identified as a laboratory-introduced contaminant. Based on the lack of VOC detections in the groundwater samples, it is believed that these detections of acetone are due to laboratory cross-contamination.

SVOCs in Groundwater

Concentrations of SVOCs were detected above the AWQSGV (1 ug/L) in one groundwater sample at TW-8 for Phenol at a concentration of 90 ug/L.

Concentrations of metals were detected above AWQSGVs across all seven samples, as noted below:

- Total Iron was detected above the AWQSGV (300 mg/kg) in four samples ranging from 344 mg/kg (TW-3) and 32800 mg/kg (TW-1).
- Dissolved Iron was detected above the AWQSGV (300 mg/kg) in three samples ranging from 1190 mg/kg (TW-5) and 5750 mg/kg (TW-1).

- Total Magnesium was detected above the AWQSGV (35000 mg/kg) in one sample at a concentration of 50100 mg/kg (TW-4).
- Dissolved Magnesium was detected above the AWQSGV (35000 mg/kg) in two samples ranging from 44900 mg/kg (TW-4) and 45500 mg/kg (TW-5).
- Total manganese was detected above the AWQSGV (300 mg/kg) in six samples ranging from 639 mg/kg (TW-1) and 2020 mg/kg (TW-2).
- Dissolved manganese was detected above the AWQSGV (300 mg/kg) in six samples ranging from 654 mg/kg (TW-1) and 1930 mg/kg (TW-2).
- Total sodium was detected above the AWQSGV (20000 mg/kg) in seven samples ranging from 33500 mg/kg (TW-1) and 309000 mg/kg (TW-8).
- Dissolved sodium was detected above the AWQSGV (20000 mg/kg) in four samples ranging from 34300 mg/kg (TW-1) and 282000 mg/kg (TW-8).

PCB/Pesticides in Grounwater

There were no detections of PCBs or Pesticides in groundwater samples above the CUSCOs or UUSCOs.

Emerging Contaminanats (ECs) in Grounwater

Concentrations of perflouryl alkyl substances (PFAS) were detected for two compounds across four samples, as noted below:

- Perfluorooctanesulfonic acid (PFOS) was detected above the AWQSGV (0.0027 ug/L) in four samples ranging from 0.0252 ug/L (TW-1) and 0.0712 ug/L (TW-4).
- Perfluorooctanoic acid (PFOA) was detected above the AWQSGV (0.0067 ug/L) in four samples ranging from 0.0192 ug/L (TW-1) and 0.067 ug/L (TW-4).

3.5 Soil Vapor Investigation Analytical Results

Four soil vapor samples were collected to investigate the presence of VOCs and methane in the subsurface vapor. The soil vapor analytical data is provided in Table 12 and laboratory analytical reports are provided in Appendix B.

Petroleum-related VOCs including benzene, toluene, ethylbenzene, and xylenes were detected at low concentrations within the soil vapor samples. There are no standards or guidance values for these compounds set by NYSDEC or NYSDOH.

Chlorinated VOCs (CVOCs) were also detected in the soil vapor samples. The NYSDOH October 2006 Guidance for Evaluating Soil Vapor Intrusion (NYSDOH Soil Vapor Intrusion Guidance), updated May 2017 provides three matrices with guidance values for sub-slab and indoor air comparison for eight CVOCs. The matrices provide guidance relative to carbon tetrachloride, cis-1,2-dichloroethene, 1,1-dichloroethene, trichloroethene (TCE), tetrachloroethene (PCE), 1,1,1-trichloroethane, methylene chloride, and vinyl chloride The concentrations considered in the matrices are intended for sub-slab vapor beneath an existing building and indoor air within the building, and therefore a direct comparison cannot be made to the data collected during this investigation as no sub-slab soil vapor or indoor air samples were collected. However, the matrices can still be used as an evaluation for the presence of these compounds in soil vapor.

Matrix A Compounds: carbon tetrachloride, cis-1,2-dichloroethene, 1,1-dichloroethene, TCE

- No compounds from Matrix A were detected in any samples.

Matrix B Compounds: PCE, 1,1,1-trichloroethane, methylene chloride

- PCE was detected in two samples with concentrations ranging from 2.8 μg/m^3 in SV-3 and 3.16 μg/m^3 in SV-2.
- 1,1,1-trichloroethane was not detected in any samples.
- Methylene chloride was not detected in any samples.

Matrix C Compound: vinyl chloride

- Vinyl chloride was not detected in any samples.

All four soil vapor samples were also analyzed for methane. One sample, SV-1, detected concentrations of methane at 67.2%. There were no other detections of methane in any other soil vapor samples. The detection of methane at SV-1 exceeds both the lower explosion limit (LEL) for methane (5%) and the upper explosion limit (UEL) for methane (15%). The location of SV-1 is within the northern portion of the historic landfill area. Methane was not detected in any of the samples surrounding the limits of the historic landfill.

3.6 Drywell Sediment Investigation Analytical Results

The following section presents the results of the drywell sediment sampling and laboratory analysis.

Six drywell sediment samples were collected from six drywells for laboratory analysis. The results were compared to SCDHS Action Levels and are provided in Tables 13 through 15. Laboratory analytical results are provided in Appendix B.

There were no detections of VOCs, SVOCs, or metals above SCDHS Action Levels.

4. Summary and Conclusion

Work completed as part of this Phase II ESA investigation included the collection of soil, groundwater, soil vapor and drywell sediment samples. The Phase II ESA was performed to further assess the RECs identified in the Phase I ESA.

Summary of Findings

Soil samples were collected from fourteen soil borings (SB-1 through SB-11 and BERM-1 through BERM-3). No visual or orlfactory evidence of contamination was observed during sample collection. Generally, the Site is underlain by predominantly fill material consistent with the past use of a C&D landfill (light brown to brown fine to coarse sand with varying amounts of gravel, brick, concrete, asphalt, glass, and plastic) ranging in thickness from 2 to 65 feet throughout the Site where previous C&D landfilling occured. Beneath the fill, the subsurface is predominantly comprised of fine to coarse sand and gravel. In areas of the Site where previous landfilling did not occur, soil was observed to be fine to coarse sand and fine gravel. Groundwater was encountered at approximate depth ranging from 14 to 29 ft bls.

Soil analytical data collected from the soil borings had detections of acetone and 2-Butanone above UUSCOs. Acetone is a potential laboratory contaminant, and the Site does not store or use acetone in any of is current or former operations. The presence of SVOCs, Metals, Pesticides and PCBs detected in soil at concentrations above the UUSCO and CUSCOs at the Site are likely associated with the historic use as a C&D landfill.

Seven groundwater samples were collected from the temporary groundwater monitoring wells at the Site. No VOCs, SVOCs, Pesticides, or PCBs were detected at concentrations in exceedance of the AWQSGVs. Several metals (total and dissolved) were detected at concentrations above the AWQSGVs. The metals detected in total and dissolved samples (iron, magnesium, manganese, and sodium) are naturally occuring and not indicative of a release from current or former Site operations. Two ECs (PFOS and PFOA) were detected above their AWQSGVs in groundwater samples. These ECs are commonly found in groundwater at the low-level concentrations consistent with what was identified as part of this Phase II ESA. Based on the findings of this Phase II ESA, additional investigation of ECs is not warranted.

Four soil vapor samples were collected to assess soil vapor conditions at the Site. There are limited concentrations of CVOCs in soil vapor at the Site, however, based on comparison to NYSDOH decision matrices, these results do not indicate a high possibility for vapor intrusion to occur. Analytical data for methane in soil vapor indicates that there was one detection of methane in onsite soil vapor. Methane was detected at a concentration of 67.2% at soil vapor point SV-1, which exceeds both the LEL for methane (5%) and the UEL for methane (15%). The location of SV-1 was within the bounds of the former landfill.

Six drywell sediment samples were collected from onsite drywells. There were no detections of VOCs, SVOCs, or metals above SCDHS Action Levels.

Based on the results of the Phase II ESA, there were no areas of impact identified during the Phase II ESA indicative of a source of contamination that warrant additional sampling for delineation. Generally there were very few impacts above the CUSCOs and impacts to groundwater above the AWQSGVs were limited to naturally occurring metals. The concentrations of CVOCs and methane in soil vapor indicate the former

operation as a C&D landfill is acting as a potential source for soil vapor contamination of methane at the Site.

General Environmental Recomendations

Based on the findings of this Phase 2 ESA, Roux makes the following general environmental recommendations to be completed as part of Site redevelopment:

1. Complete the proper removal and closure of the 150-gallon waste oil and 1,000-gallon diesel ASTs.
2. Excavation and proper disposal of small areas of petroleum surface staining.
3. Soil and fill materials excavated as part of the proposed project redevelopment should be properly characterized for disposal, and handled and managed in accordance with applicable regulations. Soil intended for off-site disposal should be characterized (i.e., via waste characterization sampling) in accordance with the requirements of the intended receiving facilities. Transportation of material leaving the Site for off-site disposal should be in accordance with federal, state and local regulatory requirements covering licensing of haulers and trucks, placarding, truck routes, manifesting, etc. Additionally, proper health and safety measures should be taken during the excavation portion of construction to address the potential methane exposure to workers.
4. To reduce the potential for vapor intrusion associated VOCs and methane, the redevelopment should include a vapor control measure consisting of the installation of a vapor barrier beneath the new foundation slab and outside of below-grade foundation walls (if applciable). Consideration should be given for installation of a sub-slab depressurization system (SSDS) to address potential methane. This could require approval and permitting from applicable agencies such as the Fire Department.
5. Proper abandonment of the two groundwater extraction points identified in the Phase I ESA.
6. Although not anticipated, should the proposed depth of excavation intersect the groundwater table and if dewatering is necessary, it should be conducted in accordance with all applicable regulations and requirements.
7. Any unforeseen USTs, if encountered during the proposed excavation should be properly closed and removed, along with any ancillary piping/equipment and contaminated soil. The closure should be performed in accordance with the applicable NYSDEC and local reporting/closure regulations, if warranted.
8. All necessary required engineering and design support.

Respectfully submitted,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.

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TABLES

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Notes Utilized Throughout Tables
Soil Tables
J - Estimated value
U - Indicates that the compound was analyzed for but not detected
B - The analyte was found in an associated blank as well as in the sample
P - The RPD between the results for the two columns exceeds the method-specified criteria
RPD - Relative Percent Difference
T - Indicates that a quality control parameter has exceeded laboratory limits
NA - Compound was not analyzed for by laboratory
mg/kg - Milligrams per kilogram
NYSDEC - New York State Department of Environmental Conservation
SCO - Soil Cleanup Objectives
-- No SCO available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial SCO
Sediment Tables
J - Estimated value
U - Indicates that the compound was analyzed for but not detected
mg/kg - Milligrams per kilogram
Bold data indicates that parameter was detected above the Suffolk County Cleanup Objectives
Shaded data indicates that parameter was detected above the Suffolk County Action Levels
Groundwater Tables
J - Estimated Value
U - Compound was analyzed for but not detected
µg/L - Micrograms per liter
NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
-- No NYSDEC AWQSGV available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs
Per- and Polyfluoroalkyl Substances
PFAS - Per- and Polyfluoroalkyl Substances
Bold data indicates that parameter exceeded the NYSDEC January 2021 PFAS Guidance Values
Soil Vapor/Ambient Air
U - Indicates that the compound was analyzed for but not detected
ug/m3 - Micrograms per cubic meter
Bold data indicates that parameter was detected

Table 1. Summary of Volatile Organic Compounds in Soil, 1612 5th Avenue, Bay Shore, New York

			Sample Designation:	BERM-1	BERM-2	BERM-3	SB-1	SB-1	SB-2
			Sample Date:	03/03/2022	03/03/2022	03/03/2022	02/01/2022	02/01/2022	02/01/2022
			Sample Depth (ft bls):	-	-	-	0 - 2	10 - 12	0 - 2
Parameters	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units						
1,1,1-Trichloroethane (TCA)	0.68	500	MG/KG	0.0024 U	0.0015 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U
1,1,2,2-Tetrachloroethane	--	--	MG/KG	0.0024 U	0.0015 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	MG/KG	0.0024 U	0.0015 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U
1,1,2-Trichloroethane	--	--	MG/KG	0.0024 U	0.0015 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U
1,1-Dichloroethane	0.27	240	MG/KG	0.0024 U	0.0015 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U
1,1-Dichloroethene	0.33	500	MG/KG	0.0024 U	0.0015 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U
1,2,3-Trichlorobenzene	--	--	MG/KG	0.0024 UT	0.0015 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U
1,2-Dibromo-3-Chloropropane	--	--	MG/KG	0.0024 U	0.0015 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	MG/KG	0.0024 U	0.0015 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U
1,2-Dichloroethane	0.02	30	MG/KG	0.0024 U	0.0015 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U
1,2-Dichloropropane	--	--	MG/KG	0.0024 U	0.0015 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U
2-Hexanone	--	--	MG/KG	0.012 U	0.0074 U	0.0064 U	0.0069 U	0.009 U	0.0063 U
Acetone	**0.05**	500	MG/KG	0.014 U	0.0089 U	0.039	0.008 J	**0.083**	0.029
Benzene	0.06	44	MG/KG	0.0024 U	0.0015 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U
Bromochloromethane	--	--	MG/KG	0.0024 U	0.0015 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U
Bromodichloromethane	--	--	MG/KG	0.0024 U	0.0015 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U
Bromoform	--	--	MG/KG	0.0024 U	0.0015 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U
Bromomethane	--	--	MG/KG	0.0048 U	0.003 U	0.0026 U	0.0028 U	0.0036 U	0.0025 U
Carbon Disulfide	--	--	MG/KG	0.0024 U	0.0015 U	0.0013 U	0.0014 U	0.0013 J	0.0013 U
Carbon Tetrachloride	0.76	22	MG/KG	0.0024 U	0.0015 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U
Chlorobenzene	1.1	500	MG/KG	0.0024 U	0.0015 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U
Chloroethane	--	--	MG/KG	0.0024 U	0.0015 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U
Chloroform	0.37	350	MG/KG	0.0024 U	0.0015 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U
Chloromethane	--	--	MG/KG	0.0024 U	0.0015 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U
Cis-1,2-Dichloroethylene	0.25	500	MG/KG	0.0024 U	0.0015 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U
Cis-1,3-Dichloropropene	--	--	MG/KG	0.0024 U	0.0015 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U
Cyclohexane	--	--	MG/KG	0.0024 U	0.0015 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U
Dibromochloromethane	--	--	MG/KG	0.0024 U	0.0015 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U
Dichlorodifluoromethane	--	--	MG/KG	0.0024 U	0.0015 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U
Ethylbenzene	1	390	MG/KG	0.0024 U	0.0015 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U
Isopropylbenzene (Cumene)	--	--	MG/KG	0.0024 U	0.0015 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U
m,p-Xylene	--	--	MG/KG	0.0024 U	0.0015 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U

Table 1. Summary of Volatile Organic Compounds in Soil, 1612 5th Avenue, Bay Shore, New York

			Sample Designation:	BERM-1	BERM-2	BERM-3	SB-1	SB-1	SB-2
			Sample Date:	03/03/2022	03/03/2022	03/03/2022	02/01/2022	02/01/2022	02/01/2022
			Sample Depth (ft bls):	-	-	-	0 - 2	10 - 12	0 - 2
Parameters	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units						
Methyl Acetate	--	--	MG/KG	0.012 U	0.0074 U	0.0064 U	0.0069 U	0.009 U	0.0063 U
Methyl Ethyl Ketone (2-Butanone)	**0.12**	500	MG/KG	0.012 U	0.0074 U	0.0064 U	0.0069 U	0.023	0.0061 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	MG/KG	0.012 U	0.0074 U	0.0064 U	0.0069 U	0.009 U	0.0063 U
Methylcyclohexane	--	--	MG/KG	0.0024 U	0.0015 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U
Methylene Chloride	0.05	500	MG/KG	0.0048 U	0.003 U	0.0026 U	0.0028 U	0.0036 U	0.0025 U
O-Xylene (1,2-Dimethylbenzene)	--	--	MG/KG	0.0024 U	0.0015 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U
Styrene	--	--	MG/KG	0.0024 U	0.0015 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U
Tert-Butyl Methyl Ether	0.93	500	MG/KG	0.0024 U	0.0015 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U
Tetrachloroethylene (PCE)	1.3	150	MG/KG	0.0024 U	0.0015 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U
Toluene	0.7	500	MG/KG	0.0024 U	0.0015 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U
Trans-1,2-Dichloroethene	0.19	500	MG/KG	0.0024 U	0.0015 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U
Trans-1,3-Dichloropropene	--	--	MG/KG	0.0024 UT	0.0015 UT	0.0013 U	0.0014 U	0.0018 U	0.0013 U
Trichloroethylene (TCE)	0.47	200	MG/KG	0.0024 U	0.0015 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U
Trichlorofluoromethane	--	--	MG/KG	0.0024 U	0.0015 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U
Vinyl Chloride	0.02	13	MG/KG	0.0024 U	0.0015 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U

Table 1. Summary of Volatile Organic Compounds in Soil, 1612 5th Avenue, Bay Shore, New York

			Sample Designation:	SB-2	SB-3	SB-3	SB-4	SB-4	SB-5
			Sample Date:	02/01/2022	02/01/2022	02/02/2022	02/02/2022	02/02/2022	02/02/2022
			Sample Depth (ft bls):	10 - 12	0 - 2	10 - 12	0 - 2	10 - 12	0 - 2
Parameters	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units						
1,1,1-Trichloroethane (TCA)	0.68	500	MG/KG	0.0013 U	0.0015 U	0.0031 U	0.0023 U	0.0021 U	0.0013 U
1,1,2,2-Tetrachloroethane	--	--	MG/KG	0.0013 U	0.0015 U	0.0031 U	0.0023 U	0.0021 U	0.0013 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	MG/KG	0.0013 U	0.0015 U	0.0031 U	0.0023 U	0.0021 U	0.0013 U
1,1,2-Trichloroethane	--	--	MG/KG	0.0013 U	0.0015 U	0.0031 U	0.0023 U	0.0021 U	0.0013 U
1,1-Dichloroethane	0.27	240	MG/KG	0.0013 U	0.0015 U	0.0031 U	0.0023 U	0.0021 U	0.0013 U
1,1-Dichloroethene	0.33	500	MG/KG	0.0013 U	0.0015 U	0.0031 U	0.0023 U	0.0021 U	0.0013 U
1,2,3-Trichlorobenzene	--	--	MG/KG	0.0013 U	0.0015 U	0.0031 U	0.0023 U	0.0021 U	0.0013 U
1,2-Dibromo-3-Chloropropane	--	--	MG/KG	0.0013 U	0.0015 U	0.0031 U	0.0023 U	0.0021 U	0.0013 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	MG/KG	0.0013 U	0.0015 U	0.0031 U	0.0023 U	0.0021 U	0.0013 U
1,2-Dichloroethane	0.02	30	MG/KG	0.0013 U	0.0015 U	0.0031 U	0.0023 U	0.0021 U	0.0013 U
1,2-Dichloropropane	--	--	MG/KG	0.0013 U	0.0015 U	0.0031 U	0.0023 U	0.0021 U	0.0013 U
2-Hexanone	--	--	MG/KG	0.0065 U	0.0077 U	0.016 U	0.012 U	0.011 U	0.0064 U
Acetone	**0.05**	500	MG/KG	0.0078 U	0.012	**0.4**	0.014 U	**0.071**	**0.12**
Benzene	0.06	44	MG/KG	0.0013 U	0.0015 U	0.0031 U	0.0023 U	0.0021 U	0.0013 U
Bromochloromethane	--	--	MG/KG	0.0013 U	0.0015 U	0.0031 U	0.0023 U	0.0021 U	0.0013 U
Bromodichloromethane	--	--	MG/KG	0.0013 U	0.0015 U	0.0031 U	0.0023 U	0.0021 U	0.0013 U
Bromoform	--	--	MG/KG	0.0013 U	0.0015 U	0.0031 U	0.0023 U	0.0021 U	0.0013 U
Bromomethane	--	--	MG/KG	0.0026 U	0.0031 U	0.0062 UT	0.0046 UT	0.0042 U	0.0026 U
Carbon Disulfide	--	--	MG/KG	0.0013 U	0.0015 U	0.0051	0.0023 U	0.0012 J	0.0013 U
Carbon Tetrachloride	0.76	22	MG/KG	0.0013 U	0.0015 U	0.0031 U	0.0023 U	0.0021 U	0.0013 U
Chlorobenzene	1.1	500	MG/KG	0.0013 U	0.0015 U	0.0031 U	0.0023 U	0.0021 U	0.0013 U
Chloroethane	--	--	MG/KG	0.0013 U	0.0015 U	0.0031 U	0.0023 U	0.0021 U	0.0013 U
Chloroform	0.37	350	MG/KG	0.0013 U	0.0015 U	0.0031 U	0.0023 U	0.0021 U	0.0013 U
Chloromethane	--	--	MG/KG	0.0013 U	0.0015 U	0.0031 U	0.0023 U	0.0021 U	0.0013 U
Cis-1,2-Dichloroethylene	0.25	500	MG/KG	0.0013 U	0.0015 U	0.0031 U	0.0023 U	0.0021 U	0.0013 U
Cis-1,3-Dichloropropene	--	--	MG/KG	0.0013 U	0.0015 U	0.0031 U	0.0023 U	0.0021 U	0.0013 U
Cyclohexane	--	--	MG/KG	0.0013 U	0.0015 U	0.0031 U	0.0023 U	0.0021 U	0.0013 U
Dibromochloromethane	--	--	MG/KG	0.0013 U	0.0015 U	0.0031 U	0.0023 U	0.0021 U	0.0013 U
Dichlorodifluoromethane	--	--	MG/KG	0.0013 U	0.0015 U	0.0031 U	0.0023 U	0.0021 U	0.0013 U
Ethylbenzene	1	390	MG/KG	0.0013 U	0.0015 U	0.0031 U	0.0023 U	0.0021 U	0.0013 U
Isopropylbenzene (Cumene)	--	--	MG/KG	0.0013 U	0.0015 U	0.0031 U	0.0023 U	0.0021 U	0.0013 U
m,p-Xylene	--	--	MG/KG	0.0013 U	0.0015 U	0.0031 U	0.0023 U	0.0021 U	0.0013 U

Table 1. Summary of Volatile Organic Compounds in Soil, 1612 5th Avenue, Bay Shore, New York

			Sample Designation:	SB-2	SB-3	SB-3	SB-4	SB-4	SB-5
			Sample Date:	02/01/2022	02/01/2022	02/02/2022	02/02/2022	02/02/2022	02/02/2022
			Sample Depth (ft bls):	10 - 12	0 - 2	10 - 12	0 - 2	10 - 12	0 - 2
Parameters	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units						
Methyl Acetate	--	--	MG/KG	0.0065 U	0.0077 U	0.016 U	0.012 U	0.011 U	0.0064 U
Methyl Ethyl Ketone (2-Butanone)	**0.12**	500	MG/KG	0.0065 U	0.0077 U	0.12	0.012 U	0.017 T	0.028 T
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	MG/KG	0.0065 U	0.0077 U	0.016 U	0.012 U	0.011 U	0.0064 U
Methylcyclohexane	--	--	MG/KG	0.0013 U	0.0015 U	0.0031 U	0.0023 U	0.0021 U	0.0013 U
Methylene Chloride	0.05	500	MG/KG	0.0026 U	0.0031 U	0.0062 U	0.0046 U	0.0042 U	0.0026 U
O-Xylene (1,2-Dimethylbenzene)	--	--	MG/KG	0.0013 U	0.0015 U	0.0031 U	0.0023 U	0.0021 U	0.0013 U
Styrene	--	--	MG/KG	0.0013 U	0.0015 U	0.0031 U	0.0023 U	0.0021 U	0.0013 U
Tert-Butyl Methyl Ether	0.93	500	MG/KG	0.0013 U	0.0015 U	0.0031 U	0.0023 U	0.0021 U	0.0013 U
Tetrachloroethylene (PCE)	1.3	150	MG/KG	0.0013 U	0.0015 U	0.0031 U	0.0023 U	0.0021 U	0.0013 U
Toluene	0.7	500	MG/KG	0.0013 U	0.0015 U	0.0031 U	0.0023 U	0.0021 U	0.00034 J
Trans-1,2-Dichloroethene	0.19	500	MG/KG	0.0013 U	0.0015 U	0.0031 U	0.0023 U	0.0021 U	0.0013 U
Trans-1,3-Dichloropropene	--	--	MG/KG	0.0013 U	0.0015 U	0.0031 U	0.0023 U	0.0021 U	0.0013 U
Trichloroethylene (TCE)	0.47	200	MG/KG	0.0013 U	0.0015 U	0.0031 U	0.0023 U	0.0021 U	0.0013 U
Trichlorofluoromethane	--	--	MG/KG	0.0013 U	0.0015 U	0.0031 U	0.0023 U	0.0021 U	0.0013 U
Vinyl Chloride	0.02	13	MG/KG	0.0013 U	0.0015 U	0.0031 U	0.0023 U	0.0021 U	0.0013 U

Table 1. Summary of Volatile Organic Compounds in Soil, 1612 5th Avenue, Bay Shore, New York

			Sample Designation:	SB-6	SB-7	SB-8	SB-8	SB-9	SB-9
			Sample Date:	02/02/2022	02/02/2022	02/09/2022	02/09/2022	02/16/2022	02/16/2022
			Sample Depth (ft bls):	0 - 2	0 - 2	0 - 2	12 - 14	0 - 2	10 - 12
Parameters	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units						
1,1,1-Trichloroethane (TCA)	0.68	500	MG/KG	0.0013 U	0.0015 U	0.0021 U	0.014 U	0.0012 U	0.002 U
1,1,2,2-Tetrachloroethane	--	--	MG/KG	0.0013 U	0.0015 U	0.0021 U	0.014 U	0.0012 U	0.002 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	MG/KG	0.0013 U	0.0015 U	0.0021 U	0.014 U	0.0012 U	0.002 U
1,1,2-Trichloroethane	--	--	MG/KG	0.0013 U	0.0015 U	0.0021 U	0.014 U	0.0012 U	0.002 U
1,1-Dichloroethane	0.27	240	MG/KG	0.0013 U	0.0015 U	0.0021 U	0.014 U	0.0012 U	0.002 U
1,1-Dichloroethene	0.33	500	MG/KG	0.0013 U	0.0015 U	0.0021 U	0.014 U	0.0012 U	0.002 U
1,2,3-Trichlorobenzene	--	--	MG/KG	0.0013 U	0.0015 U	0.0021 U	0.014 U	0.0012 U	0.002 U
1,2-Dibromo-3-Chloropropane	--	--	MG/KG	0.0013 U	0.0015 U	0.0021 U	0.014 U	0.0012 U	0.002 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	MG/KG	0.0013 U	0.0015 U	0.0021 U	0.014 U	0.0012 U	0.002 U
1,2-Dichloroethane	0.02	30	MG/KG	0.0013 U	0.0015 U	0.0021 U	0.014 U	0.0012 U	0.002 U
1,2-Dichloropropane	--	--	MG/KG	0.0013 U	0.0015 U	0.0021 U	0.014 U	0.0012 U	0.002 U
2-Hexanone	--	--	MG/KG	0.0063 U	0.0075 U	0.01 U	0.068 U	0.0061 U	0.01 U
Acetone	**0.05**	500	MG/KG	**0.057**	**0.12**	0.017	**0.86**	0.029	**0.3**
Benzene	0.06	44	MG/KG	0.0013 U	0.0015 U	0.0021 U	0.014 U	0.0012 U	0.002 U
Bromochloromethane	--	--	MG/KG	0.0013 U	0.0015 U	0.0021 U	0.014 U	0.0012 U	0.002 U
Bromodichloromethane	--	--	MG/KG	0.0013 U	0.0015 U	0.0021 U	0.014 U	0.0012 U	0.002 U
Bromoform	--	--	MG/KG	0.0013 U	0.0015 U	0.0021 U	0.014 U	0.0012 U	0.002 U
Bromomethane	--	--	MG/KG	0.0025 U	0.003 U	0.0042 U	0.027 U	0.0024 U	0.0041 U
Carbon Disulfide	--	--	MG/KG	0.00064 J	0.0022	0.00094 J	0.034	0.0013	0.017
Carbon Tetrachloride	0.76	22	MG/KG	0.0013 U	0.0015 U	0.0021 U	0.014 U	0.0012 U	0.002 U
Chlorobenzene	1.1	500	MG/KG	0.0013 U	0.0015 U	0.0021 U	0.014 U	0.0012 U	0.00052 J
Chloroethane	--	--	MG/KG	0.0013 U	0.0015 U	0.0021 U	0.014 U	0.0012 U	0.002 U
Chloroform	0.37	350	MG/KG	0.0013 U	0.0015 U	0.0021 U	0.014 U	0.0012 U	0.002 U
Chloromethane	--	--	MG/KG	0.0013 U	0.0015 U	0.0021 U	0.014 U	0.0012 U	0.002 U
Cis-1,2-Dichloroethylene	0.25	500	MG/KG	0.0013 U	0.00063 J	0.0021 U	0.014 U	0.0012 U	0.002 U
Cis-1,3-Dichloropropene	--	--	MG/KG	0.0013 U	0.0015 U	0.0021 U	0.014 U	0.0012 U	0.002 U
Cyclohexane	--	--	MG/KG	0.0013 U	0.0015 U	0.0021 U	0.014 U	0.0012 U	0.002 U
Dibromochloromethane	--	--	MG/KG	0.0013 U	0.0015 U	0.0021 U	0.014 U	0.0012 U	0.002 U
Dichlorodifluoromethane	--	--	MG/KG	0.0013 U	0.0015 U	0.0021 U	0.014 U	0.0012 U	0.002 U
Ethylbenzene	1	390	MG/KG	0.0013 U	0.0015 U	0.0021 U	0.0059 J	0.0012 U	0.002 U
Isopropylbenzene (Cumene)	--	--	MG/KG	0.0013 U	0.0015 U	0.0021 U	0.0048 J	0.0012 U	0.002 U
m,p-Xylene	--	--	MG/KG	0.00027 J	0.0004 J	0.0021 U	0.0036 J	0.0012 U	0.00048 J

Table 1. Summary of Volatile Organic Compounds in Soil, 1612 5th Avenue, Bay Shore, New York

			Sample Designation:	SB-6	SB-7	SB-8	SB-8	SB-9	SB-9
			Sample Date:	02/02/2022	02/02/2022	02/09/2022	02/09/2022	02/16/2022	02/16/2022
			Sample Depth (ft bls):	0 - 2	0 - 2	0 - 2	12 - 14	0 - 2	10 - 12
Parameters	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units						
Methyl Acetate	--	--	MG/KG	0.0063 U	0.0075 U	0.01 U	0.068 U	0.0061 U	0.01 U
Methyl Ethyl Ketone (2-Butanone)	**0.12**	500	MG/KG	0.0059 JT	0.027 T	0.01 U	**0.17**	0.005 J	0.084
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	MG/KG	0.0063 U	0.0075 U	0.01 U	0.068 U	0.0061 U	0.01 U
Methylcyclohexane	--	--	MG/KG	0.0013 U	0.0015 U	0.0021 U	0.014 U	0.0012 U	0.002 U
Methylene Chloride	0.05	500	MG/KG	0.0025 U	0.003 U	0.0042 U	0.019 J	0.0024 U	0.0027 J
O-Xylene (1,2-Dimethylbenzene)	--	--	MG/KG	0.0013 U	0.0003 J	0.0021 U	0.0028 J	0.0012 U	0.002 U
Styrene	--	--	MG/KG	0.0013 U	0.0015 U	0.0021 U	0.014 U	0.0012 U	0.002 U
Tert-Butyl Methyl Ether	0.93	500	MG/KG	0.0013 U	0.0015 U	0.0021 U	0.014 U	0.0012 U	0.002 U
Tetrachloroethylene (PCE)	1.3	150	MG/KG	0.0013 U	0.0012 J	0.0021 U	0.014 U	0.0012 U	0.002 U
Toluene	0.7	500	MG/KG	0.0013 U	0.00078 J	0.0021 U	0.014 U	0.0012 U	0.0012 J
Trans-1,2-Dichloroethene	0.19	500	MG/KG	0.0013 U	0.0015 U	0.0021 UT	0.014 UT	0.0012 U	0.002 U
Trans-1,3-Dichloropropene	--	--	MG/KG	0.0013 U	0.0015 U	0.0021 U	0.014 U	0.0012 U	0.002 U
Trichloroethylene (TCE)	0.47	200	MG/KG	0.0013 U	0.0015 U	0.0021 U	0.014 U	0.0012 U	0.002 U
Trichlorofluoromethane	--	--	MG/KG	0.0013 U	0.0015 U	0.0021 U	0.014 U	0.0012 U	0.002 U
Vinyl Chloride	0.02	13	MG/KG	0.0013 U	0.0015 U	0.0021 U	0.014 U	0.0012 U	0.002 U

Table 1. Summary of Volatile Organic Compounds in Soil, 1612 5th Avenue, Bay Shore, New York

				Sample Designation:	SB-10	SB-11
				Sample Date:	02/28/2022	02/28/2022	03/01/2022
				Sample Depth (ft bls):	0 - 2	10 - 12	1 - 3
Parameters	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units			
1,1,1-Trichloroethane (TCA)	0.68	500	MG/KG	0.0014 U	0.0011 U	0.0014 U
1,1,2,2-Tetrachloroethane	--	--	MG/KG	0.0014 U	0.0011 U	0.0014 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	MG/KG	0.0014 U	0.0011 U	0.0014 U
1,1,2-Trichloroethane	--	--	MG/KG	0.0014 U	0.0011 U	0.0014 U
1,1-Dichloroethane	0.27	240	MG/KG	0.0014 U	0.0011 U	0.0014 U
1,1-Dichloroethene	0.33	500	MG/KG	0.0014 U	0.0011 U	0.0014 U
1,2,3-Trichlorobenzene	--	--	MG/KG	0.0014 U	0.0011 U	0.0014 U
1,2-Dibromo-3-Chloropropane	--	--	MG/KG	0.0014 U	0.0011 U	0.0014 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	MG/KG	0.0014 U	0.0011 U	0.0014 U
1,2-Dichloroethane	0.02	30	MG/KG	0.0014 U	0.0011 U	0.0014 U
1,2-Dichloropropane	--	--	MG/KG	0.0014 U	0.0011 U	0.0014 U
2-Hexanone	--	--	MG/KG	0.0069 U	0.0056 U	0.0068 U
Acetone	**0.05**	500	MG/KG	**0.077**	0.017	0.017
Benzene	0.06	44	MG/KG	0.0014 U	0.0003 J	0.0014 U
Bromochloromethane	--	--	MG/KG	0.0014 U	0.0011 U	0.0014 U
Bromodichloromethane	--	--	MG/KG	0.0014 U	0.0011 U	0.0014 U
Bromoform	--	--	MG/KG	0.0014 U	0.0011 U	0.0014 U
Bromomethane	--	--	MG/KG	0.0028 U	0.0023 U	0.0027 U
Carbon Disulfide	--	--	MG/KG	0.00058 J	0.0028	0.0014 U
Carbon Tetrachloride	0.76	22	MG/KG	0.0014 U	0.0011 U	0.0014 U
Chlorobenzene	1.1	500	MG/KG	0.001 J	0.0011 U	0.0014 U
Chloroethane	--	--	MG/KG	0.0014 U	0.0011 U	0.0014 U
Chloroform	0.37	350	MG/KG	0.0014 U	0.0011 U	0.0014 U
Chloromethane	--	--	MG/KG	0.0014 U	0.0011 U	0.0014 U
Cis-1,2-Dichloroethylene	0.25	500	MG/KG	0.0014 U	0.0011 U	0.0014 U
Cis-1,3-Dichloropropene	--	--	MG/KG	0.0014 U	0.0011 U	0.0014 U
Cyclohexane	--	--	MG/KG	0.0014 U	0.0011 U	0.0014 U
Dibromochloromethane	--	--	MG/KG	0.0014 U	0.0011 U	0.0014 U
Dichlorodifluoromethane	--	--	MG/KG	0.0014 U	0.0011 U	0.0014 U
Ethylbenzene	1	390	MG/KG	0.0014 U	0.0011 U	0.0014 U
Isopropylbenzene (Cumene)	--	--	MG/KG	0.0014 U	0.0011 U	0.0014 U
m,p-Xylene	--	--	MG/KG	0.00029 J	0.00041 J	0.0014 U

Table 1. Summary of Volatile Organic Compounds in Soil, 1612 5th Avenue, Bay Shore, New York

			Sample Designation:	SB-10	SB-10	SB-11
			Sample Date:	02/28/2022	02/28/2022	03/01/2022
			Sample Depth (ft bls):	0 - 2	10 - 12	1 - 3
Parameters	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units			
Methyl Acetate	--	--	MG/KG	0.0069 U	0.0056 U	0.0068 U
Methyl Ethyl Ketone (2-Butanone)	**0.12**	500	MG/KG	0.014	0.0056 U	0.0068 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	MG/KG	0.0069 U	0.0056 U	0.0068 U
Methylcyclohexane	--	--	MG/KG	0.0014 U	0.0011 U	0.0014 U
Methylene Chloride	0.05	500	MG/KG	0.0028 U	0.0023 U	0.0027 U
O-Xylene (1,2-Dimethylbenzene)	--	--	MG/KG	0.0014 U	0.0003 J	0.0014 U
Styrene	--	--	MG/KG	0.0014 U	0.0011 U	0.0014 U
Tert-Butyl Methyl Ether	0.93	500	MG/KG	0.0014 U	0.0011 U	0.0014 U
Tetrachloroethylene (PCE)	1.3	150	MG/KG	0.0014 U	0.0011 U	0.0014 U
Toluene	0.7	500	MG/KG	0.00048 J	0.0011 U	0.0014 U
Trans-1,2-Dichloroethene	0.19	500	MG/KG	0.0014 U	0.0011 U	0.0014 U
Trans-1,3-Dichloropropene	--	--	MG/KG	0.0014 U	0.0011 U	0.0014 U
Trichloroethylene (TCE)	0.47	200	MG/KG	0.0014 U	0.0011 U	0.0014 U
Trichlorofluoromethane	--	--	MG/KG	0.0014 U	0.0011 U	0.0014 U
Vinyl Chloride	0.02	13	MG/KG	0.0014 U	0.0011 U	0.0014 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, 1612 5th Avenue, Bay Shore, New York

Parameters	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units	Sample Designation: BERM-1	BERM-2	BERM-3	SB-1	SB-1	SB-2
				Sample Date: 03/03/2022	03/03/2022	03/03/2022	02/01/2022	02/01/2022	02/01/2022
				Sample Depth (ft bls): -	-	-	0 - 2	10 - 12	0 - 2
1,2,4,5-Tetrachlorobenzene	--	--	MG/KG	0.56 U	0.37 U	0.41 U	0.38 U	0.37 U	0.36 U
1,4-Dioxane (P-Dioxane)	0.1	130	MG/KG	NA	NA	NA	0.038 U	0.037 U	0.036 U
2,3,4,6-Tetrachlorophenol	--	--	MG/KG	0.56 U	0.37 U	0.41 U	0.38 U	0.37 U	0.36 U
2,4,5-Trichlorophenol	--	--	MG/KG	0.56 U	0.37 U	0.41 U	0.38 U	0.37 U	0.36 U
2,4,6-Trichlorophenol	--	--	MG/KG	0.23 U	0.15 U	0.17 U	0.15 U	0.15 U	0.15 U
2,4-Dichlorophenol	--	--	MG/KG	0.23 U	0.15 U	0.17 U	0.15 U	0.15 U	0.15 U
2,4-Dimethylphenol	--	--	MG/KG	0.56 U	0.37 U	0.41 U	0.38 U	0.37 U	0.36 U
2,4-Dinitrophenol	--	--	MG/KG	0.45 U	0.29 U	0.33 U	0.31 U	0.3 U	0.29 U
2,4-Dinitrotoluene	--	--	MG/KG	0.11 U	0.074 U	0.084 U	0.077 U	0.076 U	0.074 U
2,6-Dinitrotoluene	--	--	MG/KG	0.11 U	0.074 U	0.084 U	0.077 U	0.076 U	0.074 U
2-Chloronaphthalene	--	--	MG/KG	0.56 U	0.37 U	0.41 U	0.38 U	0.37 U	0.36 U
2-Chlorophenol	--	--	MG/KG	0.56 U	0.37 U	0.41 U	0.38 U	0.37 U	0.36 U
2-Methylnaphthalene	--	--	MG/KG	0.56 U	0.37 U	0.019 J	0.38 U	0.37 U	0.36 U
2-Methylphenol (O-Cresol)	0.33	500	MG/KG	0.56 U	0.37 U	0.41 U	0.38 U	0.37 U	0.36 U
2-Nitroaniline	--	--	MG/KG	0.56 U	0.37 U	0.41 U	0.38 U	0.37 U	0.36 U
2-Nitrophenol	--	--	MG/KG	0.56 U	0.37 U	0.41 U	0.38 U	0.37 U	0.36 U
3,3'-Dichlorobenzidine	--	--	MG/KG	0.23 U	0.15 U	0.17 U	0.15 UT	0.15 UT	0.15 UT
3-Nitroaniline	--	--	MG/KG	0.56 U	0.37 U	0.41 U	0.38 UT	0.37 UT	0.36 UT
4,6-Dinitro-2-Methylphenol	--	--	MG/KG	0.45 U	0.29 U	0.33 U	0.31 U	0.3 U	0.29 U
4-Bromophenyl Phenyl Ether	--	--	MG/KG	0.56 U	0.37 U	0.41 U	0.38 U	0.37 U	0.36 U
4-Chloro-3-Methylphenol	--	--	MG/KG	0.56 U	0.37 U	0.41 U	0.38 U	0.37 U	0.36 U
4-Chloroaniline	--	--	MG/KG	0.56 U	0.37 U	0.41 U	0.38 U	0.37 U	0.36 U
4-Chlorophenyl Phenyl Ether	--	--	MG/KG	0.56 U	0.37 U	0.41 U	0.38 U	0.37 U	0.36 U
4-Methylphenol (P-Cresol)	**0.33**	500	MG/KG	0.56 U	0.37 U	0.41 U	0.38 U	0.37 U	0.36 U
4-Nitroaniline	--	--	MG/KG	0.56 U	0.37 U	0.41 U	0.38 UT	0.37 UT	0.36 UT
4-Nitrophenol	--	--	MG/KG	1.1 U	0.74 U	0.84 U	0.77 U	0.76 U	0.74 U
Acenaphthene	20	500	MG/KG	0.56 U	0.37 U	0.12 J	0.033 J	0.012 J	0.36 U
Acenaphthylene	100	500	MG/KG	0.56 U	0.024 J	0.082 J	0.0084 J	0.055 J	0.0054 J
Acetophenone	--	--	MG/KG	0.56 U	0.37 U	0.41 U	0.38 U	0.37 U	0.36 U
Anthracene	100	500	MG/KG	0.56 U	0.03 J	0.28 J	0.067 J	0.2 J	0.36 U
Atrazine	--	--	MG/KG	0.23 U	0.15 U	0.17 U	0.15 U	0.15 U	0.15 U
Benzaldehyde	--	--	MG/KG	0.56 U	0.37 U	0.41 U	0.38 U	0.37 U	0.36 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, 1612 5th Avenue, Bay Shore, New York

Parameters	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units	Sample Designation:	BERM-1	BERM-2	BERM-3	SB-1	SB-1	SB-2
				Sample Date:	03/03/2022	03/03/2022	03/03/2022	02/01/2022	02/01/2022	02/01/2022
				Sample Depth (ft bls):	-	-	-	0 - 2	10 - 12	0 - 2
Benzo(A)Anthracene	**1**	5.6	MG/KG		0.089	0.22	**1.1**	0.29	0.4	0.042
Benzo(A)Pyrene	**1**	1	MG/KG		0.1	0.29	**1.1**	0.31	0.48	0.044
Benzo(B)Fluoranthene	**1**	5.6	MG/KG		0.17	0.49	**1.8**	0.47	0.71	0.062
Benzo(G,H,I)Perylene	100	500	MG/KG		0.099 J	0.21 J	0.63	0.16 J	0.26 J	0.031 J
Benzo(K)Fluoranthene	**0.8**	56	MG/KG		0.058	0.15	0.52	0.18	0.23	0.03 J
Benzyl Butyl Phthalate	--	--	MG/KG		0.56 U	0.026 J	0.023 J	0.38 U	0.37 U	0.36 U
Biphenyl (Diphenyl)	--	--	MG/KG		0.56 U	0.37 U	0.0084 J	0.38 U	0.37 U	0.36 U
Bis(2-Chloroethoxy) Methane	--	--	MG/KG		0.56 U	0.37 U	0.41 U	0.38 U	0.37 U	0.36 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	MG/KG		0.056 U	0.037 U	0.041 U	0.038 U	0.037 U	0.036 U
Bis(2-Chloroisopropyl) Ether	--	--	MG/KG		0.56 U	0.37 U	0.41 U	0.38 U	0.37 U	0.36 U
Bis(2-Ethylhexyl) Phthalate	--	--	MG/KG		0.56 U	0.051 J	0.41 U	0.049 JT	0.09 JT	0.36 UT
Caprolactam	--	--	MG/KG		0.56 U	0.37 U	0.41 U	0.38 U	0.37 U	0.36 U
Carbazole	--	--	MG/KG		0.56 U	0.37 U	0.2 J	0.033 J	0.017 J	0.36 U
Chrysene	**1**	56	MG/KG		0.12 J	0.24 J	**1.4**	0.36 J	0.42	0.044 J
Dibenz(A,H)Anthracene	**0.33**	0.56	MG/KG		0.025 J	0.058	0.18	0.056	0.085	0.036 U
Dibenzofuran	7	350	MG/KG		0.56 U	0.0058 J	0.11 J	0.016 J	0.37 U	0.36 U
Diethyl Phthalate	--	--	MG/KG		0.56 U	0.37 U	0.41 U	0.38 UT	0.37 UT	0.36 UT
Dimethyl Phthalate	--	--	MG/KG		0.56 U	0.37 U	0.41 U	0.38 UT	0.37 UT	0.36 UT
Di-N-Butyl Phthalate	--	--	MG/KG		0.56 U	0.37 U	0.41 U	0.38 U	0.37 U	0.36 U
Di-N-Octylphthalate	--	--	MG/KG		0.56 U	0.37 U	0.41 U	0.38 U	0.37 U	0.36 U
Fluoranthene	100	500	MG/KG		0.11 J	0.24 J	3	0.67	0.53	0.06 J
Fluorene	30	500	MG/KG		0.56 U	0.37 U	0.16 J	0.028 J	0.014 J	0.36 U
Hexachlorobenzene	0.33	6	MG/KG		0.056 U	0.037 U	0.041 U	0.038 U	0.037 U	0.036 U
Hexachlorobutadiene	--	--	MG/KG		0.11 U	0.074 U	0.084 U	0.077 U	0.076 U	0.074 U
Hexachlorocyclopentadiene	--	--	MG/KG		0.56 U	0.37 U	0.41 U	0.38 U	0.37 U	0.36 U
Hexachloroethane	--	--	MG/KG		0.056 U	0.037 U	0.041 U	0.038 U	0.037 U	0.036 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	5.6	MG/KG		0.11	0.23	**0.76**	0.18 T	0.28 T	0.031 JT
Isophorone	--	--	MG/KG		0.23 U	0.15 U	0.17 U	0.15 U	0.15 U	0.15 U
Naphthalene	12	500	MG/KG		0.56 U	0.37 U	0.038 J	0.014 J	0.0086 J	0.36 U
Nitrobenzene	--	--	MG/KG		0.056 U	0.037 U	0.041 U	0.038 U	0.037 U	0.036 U
N-Nitrosodi-N-Propylamine	--	--	MG/KG		0.056 U	0.037 U	0.041 U	0.038 U	0.037 U	0.036 U
N-Nitrosodiphenylamine	--	--	MG/KG		0.56 U	0.37 U	0.41 U	0.38 U	0.37 U	0.36 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, 1612 5th Avenue, Bay Shore, New York

				Sample Designation:	BERM-1	BERM-2	BERM-3	SB-1	SB-1	SB-2
				Sample Date:	03/03/2022	03/03/2022	03/03/2022	02/01/2022	02/01/2022	02/01/2022
				Sample Depth (ft bls):	-	-	-	0 - 2	10 - 12	0 - 2
Parameters	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units							
Pentachlorophenol	0.8	6.7	MG/KG		0.45 U	0.29 U	0.33 U	0.31 U	0.3 U	0.29 U
Phenanthrene	100	500	MG/KG		0.045 J	0.056 J	2.1	0.27 J	0.083 J	0.03 J
Phenol	0.33	500	MG/KG		0.56 U	0.37 U	0.41 U	0.38 U	0.37 U	0.36 U
Pyrene	100	500	MG/KG		0.11 J	0.22 J	2.3	0.61	0.5	0.061 J

Table 2. Summary of Semivolatile Organic Compounds in Soil, 1612 5th Avenue, Bay Shore, New York

				Sample Designation:	SB-2	SB-3	SB-3	SB-4	SB-4	SB-5
				Sample Date:	02/01/2022	02/01/2022	02/02/2022	02/02/2022	02/02/2022	02/02/2022
				Sample Depth (ft bls):	10 - 12	0 - 2	10 - 12	0 - 2	10 - 12	0 - 2
Parameters	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units							
1,2,4,5-Tetrachlorobenzene	--	--	MG/KG	0.34 U	0.38 U	0.58 U	0.53 U	0.45 U	0.37 U
1,4-Dioxane (P-Dioxane)	0.1	130	MG/KG	0.034 U	0.038 U	NA	NA	NA	NA
2,3,4,6-Tetrachlorophenol	--	--	MG/KG	0.34 U	0.38 U	0.58 U	0.53 U	0.45 U	0.37 U
2,4,5-Trichlorophenol	--	--	MG/KG	0.34 U	0.38 U	0.58 U	0.53 U	0.45 U	0.37 U
2,4,6-Trichlorophenol	--	--	MG/KG	0.14 U	0.16 U	0.23 U	0.21 U	0.18 U	0.15 U
2,4-Dichlorophenol	--	--	MG/KG	0.14 U	0.16 U	0.23 U	0.21 U	0.18 U	0.15 U
2,4-Dimethylphenol	--	--	MG/KG	0.34 U	0.38 U	0.58 U	0.53 U	0.45 U	0.37 U
2,4-Dinitrophenol	--	--	MG/KG	0.28 U	0.31 U	0.47 U	0.43 U	0.36 U	0.3 U
2,4-Dinitrotoluene	--	--	MG/KG	0.069 U	0.078 U	0.12 U	0.11 U	0.091 U	0.076 U
2,6-Dinitrotoluene	--	--	MG/KG	0.069 U	0.078 U	0.12 U	0.11 U	0.091 U	0.076 U
2-Chloronaphthalene	--	--	MG/KG	0.34 U	0.38 U	0.58 U	0.53 U	0.45 U	0.37 U
2-Chlorophenol	--	--	MG/KG	0.34 U	0.38 U	0.58 U	0.53 U	0.45 U	0.37 U
2-Methylnaphthalene	--	--	MG/KG	0.34 U	0.38 U	0.037 J	0.53 U	0.45 U	0.041 J
2-Methylphenol (O-Cresol)	0.33	500	MG/KG	0.34 U	0.38 U	0.58 U	0.53 U	0.45 U	0.37 U
2-Nitroaniline	--	--	MG/KG	0.34 U	0.38 U	0.58 U	0.53 U	0.45 U	0.37 U
2-Nitrophenol	--	--	MG/KG	0.34 U	0.38 U	0.58 U	0.53 U	0.45 U	0.37 U
3,3'-Dichlorobenzidine	--	--	MG/KG	0.14 UT	0.16 UT	0.23 U	0.21 U	0.18 U	0.15 U
3-Nitroaniline	--	--	MG/KG	0.34 UT	0.38 UT	0.58 U	0.53 U	0.45 U	0.37 U
4,6-Dinitro-2-Methylphenol	--	--	MG/KG	0.28 U	0.31 U	0.47 U	0.43 U	0.36 U	0.3 U
4-Bromophenyl Phenyl Ether	--	--	MG/KG	0.34 U	0.38 U	0.58 U	0.53 U	0.45 U	0.37 U
4-Chloro-3-Methylphenol	--	--	MG/KG	0.34 U	0.38 U	0.58 U	0.53 U	0.45 U	0.37 U
4-Chloroaniline	--	--	MG/KG	0.34 U	0.38 U	0.58 U	0.53 U	0.45 U	0.37 U
4-Chlorophenyl Phenyl Ether	--	--	MG/KG	0.34 U	0.38 U	0.58 U	0.53 U	0.45 U	0.37 U
4-Methylphenol (P-Cresol)	**0.33**	500	MG/KG	0.34 U	0.38 U	0.58 U	0.53 U	0.45 U	0.37 U
4-Nitroaniline	--	--	MG/KG	0.34 UT	0.38 UT	0.58 U	0.53 U	0.45 U	0.37 U
4-Nitrophenol	--	--	MG/KG	0.69 U	0.78 U	1.2 U	1.1 U	0.91 U	0.76 U
Acenaphthene	20	500	MG/KG	0.34 U	0.02 J	0.12 J	0.53 U	0.017 J	0.062 J
Acenaphthylene	100	500	MG/KG	0.34 U	0.012 J	0.58 U	0.53 U	0.025 J	0.0073 J
Acetophenone	--	--	MG/KG	0.34 U	0.38 U	0.58 U	0.53 U	0.046 J	0.37 U
Anthracene	100	500	MG/KG	0.34 U	0.063 J	0.076 J	0.019 J	0.054 J	0.095 J
Atrazine	--	--	MG/KG	0.14 U	0.16 U	0.23 U	0.21 U	0.18 U	0.15 U
Benzaldehyde	--	--	MG/KG	0.34 U	0.38 U	0.58 U	0.53 U	0.45 U	0.37 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, 1612 5th Avenue, Bay Shore, New York

				Sample Designation:	SB-2	SB-3	SB-3	SB-4	SB-4	SB-5
				Sample Date:	02/01/2022	02/01/2022	02/02/2022	02/02/2022	02/02/2022	02/02/2022
				Sample Depth (ft bls):	10 - 12	0 - 2	10 - 12	0 - 2	10 - 12	0 - 2
Parameters	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units							
Benzo(A)Anthracene	**1**	5.6	MG/KG		0.034 U	0.59	0.28	0.18	0.34	0.17
Benzo(A)Pyrene	**1**	1	MG/KG		0.034 U	0.59	0.24	0.25	0.44	0.17
Benzo(B)Fluoranthene	**1**	5.6	MG/KG		0.034 U	**1.1**	0.34	0.44	0.69	0.24
Benzo(G,H,I)Perylene	100	500	MG/KG		0.34 U	0.33 J	0.18 J	0.25 J	0.39 J	0.13 J
Benzo(K)Fluoranthene	**0.8**	56	MG/KG		0.034 U	0.42	0.14	0.13	0.24	0.12
Benzyl Butyl Phthalate	--	--	MG/KG		0.34 U	0.03 J	0.58 U	0.53 U	0.87	0.37 U
Biphenyl (Diphenyl)	--	--	MG/KG		0.34 U	0.38 U	0.021 J	0.53 U	0.45 U	0.013 J
Bis(2-Chloroethoxy) Methane	--	--	MG/KG		0.34 U	0.38 U	0.58 U	0.53 U	0.45 U	0.37 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	MG/KG		0.034 U	0.038 U	0.058 U	0.053 U	0.045 U	0.037 U
Bis(2-Chloroisopropyl) Ether	--	--	MG/KG		0.34 U	0.38 U	0.58 UT	0.53 UT	0.45 UT	0.37 UT
Bis(2-Ethylhexyl) Phthalate	--	--	MG/KG		0.34 UT	0.052 JT	0.43 J	0.53 U	0.59	0.045 J
Caprolactam	--	--	MG/KG		0.34 U	0.38 U	0.58 U	0.53 U	0.45 U	0.37 U
Carbazole	--	--	MG/KG		0.34 U	0.047 J	0.034 J	0.53 U	0.028 J	0.031 J
Chrysene	**1**	56	MG/KG		0.34 U	0.81	0.28 J	0.27 J	0.36 J	0.2 J
Dibenz(A,H)Anthracene	**0.33**	0.56	MG/KG		0.034 U	0.11	0.045 J	0.052 J	0.096	0.031 J
Dibenzofuran	7	350	MG/KG		0.34 U	0.01 J	0.053 J	0.53 U	0.011 J	0.014 J
Diethyl Phthalate	--	--	MG/KG		0.34 UT	0.38 UT	0.58 U	0.53 U	0.45 U	0.37 U
Dimethyl Phthalate	--	--	MG/KG		0.34 UT	0.38 UT	0.58 U	0.53 U	0.45 U	0.37 U
Di-N-Butyl Phthalate	--	--	MG/KG		0.34 U	0.38 U	0.58 U	0.53 U	0.45 U	0.37 U
Di-N-Octylphthalate	--	--	MG/KG		0.34 U	0.38 U	0.58 U	0.53 U	0.45 U	0.37 U
Fluoranthene	100	500	MG/KG		0.34 U	1.1	0.53 J	0.22 J	0.43 J	0.33 J
Fluorene	30	500	MG/KG		0.34 U	0.015 J	0.06 J	0.53 U	0.016 J	0.058 J
Hexachlorobenzene	0.33	6	MG/KG		0.034 U	0.038 U	0.058 U	0.053 U	0.045 U	0.037 U
Hexachlorobutadiene	--	--	MG/KG		0.069 U	0.078 U	0.12 U	0.11 U	0.091 U	0.076 U
Hexachlorocyclopentadiene	--	--	MG/KG		0.34 U	0.38 U	0.58 U	0.53 U	0.45 U	0.37 U
Hexachloroethane	--	--	MG/KG		0.034 U	0.038 U	0.058 U	0.053 U	0.045 U	0.037 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	5.6	MG/KG		0.034 UT	0.4 T	0.19	0.26	0.41	0.14
Isophorone	--	--	MG/KG		0.14 U	0.16 U	0.23 U	0.21 U	0.18 U	0.15 U
Naphthalene	12	500	MG/KG		0.34 U	0.011 J	0.066 J	0.53 U	0.021 J	0.37 U
Nitrobenzene	--	--	MG/KG		0.034 U	0.038 U	0.058 U	0.053 U	0.045 U	0.037 U
N-Nitrosodi-N-Propylamine	--	--	MG/KG		0.034 U	0.038 U	0.058 U	0.053 U	0.045 U	0.037 U
N-Nitrosodiphenylamine	--	--	MG/KG		0.34 U	0.38 U	0.58 U	0.53 U	0.45 U	0.37 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, 1612 5th Avenue, Bay Shore, New York

			Sample Designation:	SB-2	SB-3	SB-3	SB-4	SB-4	SB-5
			Sample Date:	02/01/2022	02/01/2022	02/02/2022	02/02/2022	02/02/2022	02/02/2022
			Sample Depth (ft bls):	10 - 12	0 - 2	10 - 12	0 - 2	10 - 12	0 - 2
Parameters	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units						
Pentachlorophenol	0.8	6.7	MG/KG	0.28 U	0.31 U	0.47 U	0.43 U	0.36 U	0.3 U
Phenanthrene	100	500	MG/KG	0.34 U	0.35 J	0.27 J	0.068 J	0.17 J	0.37
Phenol	0.33	500	MG/KG	0.34 U	0.38 U	0.58 U	0.53 U	0.45 U	0.37 U
Pyrene	100	500	MG/KG	0.34 U	1.3	0.64	0.23 J	0.48	0.4

Table 2. Summary of Semivolatile Organic Compounds in Soil, 1612 5th Avenue, Bay Shore, New York

Parameters	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units	Sample Designation: SB-6 Sample Date: 02/02/2022 Sample Depth (ft bls): 0 - 2	Sample Designation: SB-7 Sample Date: 02/02/2022 Sample Depth (ft bls): 0 - 2	Sample Designation: SB-8 Sample Date: 02/09/2022 Sample Depth (ft bls): 0 - 2	Sample Designation: SB-8 Sample Date: 02/09/2022 Sample Depth (ft bls): 12 - 14	Sample Designation: SB-9 Sample Date: 02/16/2022 Sample Depth (ft bls): 0 - 2	Sample Designation: SB-9 Sample Date: 02/16/2022 Sample Depth (ft bls): 10 - 12
1,2,4,5-Tetrachlorobenzene	--	--	MG/KG	0.36 U	0.37 U	0.54 U	2.1 U	0.35 U	0.46 U
1,4-Dioxane (P-Dioxane)	0.1	130	MG/KG	NA	NA	NA	NA	NA	NA
2,3,4,6-Tetrachlorophenol	--	--	MG/KG	0.36 U	0.37 U	0.54 U	2.1 U	0.35 U	0.46 U
2,4,5-Trichlorophenol	--	--	MG/KG	0.36 U	0.37 U	0.54 U	2.1 U	0.35 U	0.46 U
2,4,6-Trichlorophenol	--	--	MG/KG	0.15 U	0.15 U	0.22 U	0.85 U	0.14 U	0.18 U
2,4-Dichlorophenol	--	--	MG/KG	0.15 U	0.15 U	0.22 U	0.85 U	0.14 U	0.18 U
2,4-Dimethylphenol	--	--	MG/KG	0.36 U	0.37 U	0.54 U	2.1 U	0.35 U	0.46 U
2,4-Dinitrophenol	--	--	MG/KG	0.29 U	0.3 U	0.44 U	1.7 U	0.28 U	0.37 U
2,4-Dinitrotoluene	--	--	MG/KG	0.074 U	0.076 U	0.11 U	0.43 U	0.071 U	0.093 U
2,6-Dinitrotoluene	--	--	MG/KG	0.074 U	0.076 U	0.11 U	0.43 U	0.071 U	0.093 U
2-Chloronaphthalene	--	--	MG/KG	0.36 U	0.37 U	0.54 U	2.1 U	0.35 U	0.46 U
2-Chlorophenol	--	--	MG/KG	0.36 U	0.37 U	0.54 U	2.1 U	0.35 U	0.46 U
2-Methylnaphthalene	--	--	MG/KG	0.012 J	0.019 J	0.034 J	0.37 J	0.35 U	0.22 J
2-Methylphenol (O-Cresol)	0.33	500	MG/KG	0.36 U	0.37 U	0.54 U	2.1 U	0.35 U	0.46 U
2-Nitroaniline	--	--	MG/KG	0.36 U	0.37 U	0.54 U	2.1 U	0.35 U	0.46 U
2-Nitrophenol	--	--	MG/KG	0.36 U	0.37 U	0.54 U	2.1 U	0.35 U	0.46 U
3,3'-Dichlorobenzidine	--	--	MG/KG	0.15 U	0.15 U	0.22 U	0.85 U	0.14 U	0.18 U
3-Nitroaniline	--	--	MG/KG	0.36 U	0.37 U	0.54 U	2.1 U	0.35 U	0.46 U
4,6-Dinitro-2-Methylphenol	--	--	MG/KG	0.29 U	0.3 U	0.44 U	1.7 U	0.28 U	0.37 U
4-Bromophenyl Phenyl Ether	--	--	MG/KG	0.36 U	0.37 U	0.54 U	2.1 U	0.35 U	0.46 U
4-Chloro-3-Methylphenol	--	--	MG/KG	0.36 U	0.37 U	0.54 U	2.1 U	0.35 U	0.46 U
4-Chloroaniline	--	--	MG/KG	0.36 U	0.37 U	0.54 U	2.1 U	0.35 U	0.46 U
4-Chlorophenyl Phenyl Ether	--	--	MG/KG	0.36 U	0.37 U	0.54 U	2.1 U	0.35 U	0.46 U
4-Methylphenol (P-Cresol)	**0.33**	500	MG/KG	0.36 U	0.19 J	0.073 J	**0.4 J**	0.35 U	0.055 J
4-Nitroaniline	--	--	MG/KG	0.36 U	0.37 U	0.54 U	2.1 U	0.35 U	0.46 U
4-Nitrophenol	--	--	MG/KG	0.74 U	0.76 U	1.1 U	4.3 U	0.71 U	0.93 U
Acenaphthene	20	500	MG/KG	0.04 J	0.073 J	0.45 J	0.83 J	0.35 U	0.36 J
Acenaphthylene	100	500	MG/KG	0.011 J	0.023 J	0.037 J	0.37 J	0.0044 J	0.023 J
Acetophenone	--	--	MG/KG	0.36 U	0.37 U	0.54 U	0.26 J	0.35 U	0.043 J
Anthracene	100	500	MG/KG	0.083 J	0.16 J	1.5	1.9 J	0.026 J	0.088 J
Atrazine	--	--	MG/KG	0.15 U	0.15 U	0.22 U	0.85 U	0.14 U	0.18 U
Benzaldehyde	--	--	MG/KG	0.36 U	0.37 U	0.54 U	1.6 J	0.35 U	0.12 J

Table 2. Summary of Semivolatile Organic Compounds in Soil, 1612 5th Avenue, Bay Shore, New York

				Sample Designation:	SB-6	SB-7	SB-8	SB-8	SB-9	SB-9
				Sample Date:	02/02/2022	02/02/2022	02/09/2022	02/09/2022	02/16/2022	02/16/2022
				Sample Depth (ft bls):	0 - 2	0 - 2	0 - 2	12 - 14	0 - 2	10 - 12
Parameters	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units							
Benzo(A)Anthracene	**1**	5.6	MG/KG		0.33	0.58	**6.3**	**3**	0.21	0.46
Benzo(A)Pyrene	**1**	1	MG/KG		0.35	0.55	**5.9**	**3.8**	0.24	0.24
Benzo(B)Fluoranthene	**1**	5.6	MG/KG		0.48	0.8	**9**	**5.4**	0.38	0.71
Benzo(G,H,I)Perylene	100	500	MG/KG		0.23 J	0.37	2.6	2.2	0.15 J	0.14 J
Benzo(K)Fluoranthene	**0.8**	56	MG/KG		0.19	0.29	**3.3**	**2.3**	0.11	0.29
Benzyl Butyl Phthalate	--	--	MG/KG		0.081 J	0.039 J	0.54 U	0.72 J	0.033 J	0.34 J
Biphenyl (Diphenyl)	--	--	MG/KG		0.36 U	0.0068 J	0.018 J	0.14 J	0.35 U	0.23 J
Bis(2-Chloroethoxy) Methane	--	--	MG/KG		0.36 U	0.37 U	0.54 U	2.1 U	0.35 U	0.46 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	MG/KG		0.036 U	0.037 U	0.054 U	0.21 U	0.035 U	0.046 U
Bis(2-Chloroisopropyl) Ether	--	--	MG/KG		0.36 UT	0.37 UT	0.54 U	2.1 U	0.35 U	0.46 U
Bis(2-Ethylhexyl) Phthalate	--	--	MG/KG		0.099 J	0.16 J	0.19 J	8.4	0.08 J	3.7
Caprolactam	--	--	MG/KG		0.36 U	0.37 U	0.54 UT	2.1 UT	0.35 U	0.46 U
Carbazole	--	--	MG/KG		0.052 J	0.088 J	0.68	0.47 J	0.017 J	0.024 J
Chrysene	**1**	56	MG/KG		0.4	0.67	**7.5**	**3.6**	0.26 J	0.86
Dibenz(A,H)Anthracene	**0.33**	0.56	MG/KG		0.065	0.1	**0.93**	**0.59**	0.041	0.051
Dibenzofuran	7	350	MG/KG		0.024 J	0.049 J	0.33 J	0.6 J	0.0055 J	1.6
Diethyl Phthalate	--	--	MG/KG		0.36 U	0.37 U	0.54 U	2.1 U	0.35 U	0.46 U
Dimethyl Phthalate	--	--	MG/KG		0.36 U	0.37 U	0.54 U	2.1 U	0.35 U	0.46 U
Di-N-Butyl Phthalate	--	--	MG/KG		0.014 J	0.37 U	0.54 U	0.13 J	0.35 U	1
Di-N-Octylphthalate	--	--	MG/KG		0.36 U	0.37 U	0.54 U	2.1 U	0.35 U	0.46 U
Fluoranthene	100	500	MG/KG		0.74	1.3	14	6.3	0.42	0.95
Fluorene	30	500	MG/KG		0.041 J	0.099 J	0.82	1.2 J	0.012 J	0.75
Hexachlorobenzene	0.33	6	MG/KG		0.036 U	0.037 U	0.054 U	0.21 U	0.035 U	0.046 U
Hexachlorobutadiene	--	--	MG/KG		0.074 U	0.076 U	0.11 U	0.43 U	0.071 U	0.093 U
Hexachlorocyclopentadiene	--	--	MG/KG		0.36 U	0.37 U	0.54 U	2.1 U	0.35 U	0.46 U
Hexachloroethane	--	--	MG/KG		0.036 U	0.037 U	0.054 U	0.21 U	0.035 U	0.046 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	5.6	MG/KG		0.27	0.42	**3.4**	**2.6**	0.17	0.13
Isophorone	--	--	MG/KG		0.15 U	0.15 U	0.22 U	0.85 U	0.14 U	0.18 U
Naphthalene	12	500	MG/KG		0.023 J	0.032 J	0.032 J	0.83 J	0.35 U	0.23 J
Nitrobenzene	--	--	MG/KG		0.036 U	0.037 U	0.054 U	0.21 U	0.035 U	0.046 U
N-Nitrosodi-N-Propylamine	--	--	MG/KG		0.036 U	0.037 U	0.054 U	0.21 U	0.035 U	0.046 U
N-Nitrosodiphenylamine	--	--	MG/KG		0.36 U	0.37 U	0.54 U	2.1 U	0.35 U	0.46 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, 1612 5th Avenue, Bay Shore, New York

			Sample Designation:	SB-6	SB-7	SB-8	SB-8	SB-9	SB-9
			Sample Date:	02/02/2022	02/02/2022	02/09/2022	02/09/2022	02/16/2022	02/16/2022
			Sample Depth (ft bls):	0 - 2	0 - 2	0 - 2	12 - 14	0 - 2	10 - 12
Parameters	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units						
Pentachlorophenol	0.8	6.7	MG/KG	0.29 U	0.3 U	0.44 U	0.51 J	0.28 U	0.37 U
Phenanthrene	100	500	MG/KG	0.46	0.96	13	3.8	0.15 J	3.6
Phenol	0.33	500	MG/KG	0.36 U	0.37 U	0.54 U	2.1 U	0.35 U	0.46 U
Pyrene	100	500	MG/KG	0.73	1.3	13	6.1	0.39	1.4

Table 2. Summary of Semivolatile Organic Compounds in Soil, 1612 5th Avenue, Bay Shore, New York

			Sample Designation:	SB-10	SB-10	SB-11
			Sample Date:	02/28/2022	02/28/2022	03/01/2022
			Sample Depth (ft bls):	0 - 2	10 - 12	1 - 3
Parameters	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units			
1,2,4,5-Tetrachlorobenzene	--	--	MG/KG	0.35 U	2 U	0.36 U
1,4-Dioxane (P-Dioxane)	0.1	130	MG/KG	NA	NA	NA
2,3,4,6-Tetrachlorophenol	--	--	MG/KG	0.35 U	2 U	0.36 U
2,4,5-Trichlorophenol	--	--	MG/KG	0.35 U	2 U	0.36 U
2,4,6-Trichlorophenol	--	--	MG/KG	0.14 U	0.8 U	0.14 U
2,4-Dichlorophenol	--	--	MG/KG	0.14 U	0.8 U	0.14 U
2,4-Dimethylphenol	--	--	MG/KG	0.35 U	2 U	0.36 U
2,4-Dinitrophenol	--	--	MG/KG	0.28 U	1.6 U	0.29 U
2,4-Dinitrotoluene	--	--	MG/KG	0.072 U	0.4 U	0.073 U
2,6-Dinitrotoluene	--	--	MG/KG	0.072 U	0.4 U	0.073 U
2-Chloronaphthalene	--	--	MG/KG	0.35 U	2 U	0.36 U
2-Chlorophenol	--	--	MG/KG	0.35 U	2 U	0.36 U
2-Methylnaphthalene	--	--	MG/KG	0.01 J	2 U	0.36 U
2-Methylphenol (O-Cresol)	0.33	500	MG/KG	0.35 U	2 U	0.36 U
2-Nitroaniline	--	--	MG/KG	0.35 U	2 U	0.36 U
2-Nitrophenol	--	--	MG/KG	0.35 U	2 U	0.36 U
3,3'-Dichlorobenzidine	--	--	MG/KG	0.14 U	0.8 U	0.14 U
3-Nitroaniline	--	--	MG/KG	0.35 U	2 U	0.36 U
4,6-Dinitro-2-Methylphenol	--	--	MG/KG	0.28 U	1.6 U	0.29 U
4-Bromophenyl Phenyl Ether	--	--	MG/KG	0.35 U	2 U	0.36 U
4-Chloro-3-Methylphenol	--	--	MG/KG	0.35 U	2 U	0.36 U
4-Chloroaniline	--	--	MG/KG	0.35 U	2 U	0.36 U
4-Chlorophenyl Phenyl Ether	--	--	MG/KG	0.35 U	2 U	0.36 U
4-Methylphenol (P-Cresol)	**0.33**	500	MG/KG	0.35 U	2 U	0.36 U
4-Nitroaniline	--	--	MG/KG	0.35 U	2 U	0.36 U
4-Nitrophenol	--	--	MG/KG	0.72 U	4 U	0.73 U
Acenaphthene	20	500	MG/KG	0.052 J	0.9 J	0.36 U
Acenaphthylene	100	500	MG/KG	0.01 J	2 U	0.36 U
Acetophenone	--	--	MG/KG	0.35 U	2 U	0.36 U
Anthracene	100	500	MG/KG	0.11 J	3.7	0.36 U
Atrazine	--	--	MG/KG	0.14 U	0.8 U	0.14 U
Benzaldehyde	--	--	MG/KG	0.35 U	2 U	0.36 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, 1612 5th Avenue, Bay Shore, New York

				Sample Designation:	SB-10	SB-10	SB-11
				Sample Date:	02/28/2022	02/28/2022	03/01/2022
				Sample Depth (ft bls):	0 - 2	10 - 12	1 - 3
Parameters	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units				
Benzo(A)Anthracene	**1**	5.6	MG/KG		0.57	**6.4**	0.076
Benzo(A)Pyrene	**1**	1	MG/KG		0.64	**5.3**	0.083
Benzo(B)Fluoranthene	**1**	5.6	MG/KG		0.97	**7.7**	0.13
Benzo(G,H,I)Perylene	100	500	MG/KG		0.28 J	2.5	0.067 J
Benzo(K)Fluoranthene	**0.8**	56	MG/KG		0.38	**2.8**	0.055
Benzyl Butyl Phthalate	--	--	MG/KG		0.35 U	2 U	0.36 U
Biphenyl (Diphenyl)	--	--	MG/KG		0.35 U	2 U	0.36 U
Bis(2-Chloroethoxy) Methane	--	--	MG/KG		0.35 U	2 U	0.36 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	MG/KG		0.035 U	0.2 U	0.036 U
Bis(2-Chloroisopropyl) Ether	--	--	MG/KG		0.35 U	2 U	0.36 U
Bis(2-Ethylhexyl) Phthalate	--	--	MG/KG		0.071 J	2 U	0.044 J
Caprolactam	--	--	MG/KG		0.35 U	2 U	0.36 U
Carbazole	--	--	MG/KG		0.1 J	0.95 J	0.36 U
Chrysene	**1**	56	MG/KG		0.73	**6.7**	0.1 J
Dibenz(A,H)Anthracene	**0.33**	0.56	MG/KG		0.051	**0.8**	0.018 J
Dibenzofuran	7	350	MG/KG		0.025 J	0.47 J	0.36 U
Diethyl Phthalate	--	--	MG/KG		0.35 U	2 U	0.36 U
Dimethyl Phthalate	--	--	MG/KG		0.35 U	2 U	0.36 U
Di-N-Butyl Phthalate	--	--	MG/KG		0.35 U	2 U	0.36 U
Di-N-Octylphthalate	--	--	MG/KG		0.35 U	2 U	0.36 U
Fluoranthene	100	500	MG/KG		1.6	18	0.16 J
Fluorene	30	500	MG/KG		0.063 J	1.5 J	0.36 U
Hexachlorobenzene	0.33	6	MG/KG		0.035 U	0.2 U	0.036 U
Hexachlorobutadiene	--	--	MG/KG		0.072 U	0.4 U	0.073 U
Hexachlorocyclopentadiene	--	--	MG/KG		0.35 U	2 U	0.36 U
Hexachloroethane	--	--	MG/KG		0.035 U	0.2 U	0.036 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	5.6	MG/KG		0.41	**3**	0.073
Isophorone	--	--	MG/KG		0.14 U	0.8 U	0.14 U
Naphthalene	12	500	MG/KG		0.35 U	2 U	0.36 U
Nitrobenzene	--	--	MG/KG		0.035 U	0.2 U	0.036 U
N-Nitrosodi-N-Propylamine	--	--	MG/KG		0.035 U	0.2 U	0.036 U
N-Nitrosodiphenylamine	--	--	MG/KG		0.35 U	2 U	0.36 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, 1612 5th Avenue, Bay Shore, New York

			Sample Designation:	SB-10	SB-10	SB-11
			Sample Date:	02/28/2022	02/28/2022	03/01/2022
			Sample Depth (ft bls):	0 - 2	10 - 12	1 - 3
Parameters	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units			
Pentachlorophenol	0.8	6.7	MG/KG	0.28 U	1.6 U	0.29 U
Phenanthrene	100	500	MG/KG	0.74	12	0.056 J
Phenol	0.33	500	MG/KG	0.35 U	2 U	0.36 U
Pyrene	100	500	MG/KG	1.3	14	0.16 J

Table 3. Summary of Metals in Soil, 1612 5th Avenue, Bay Shore, New York

			Sample Designation:	BERM-1	BERM-2	BERM-3	SB-1	SB-1	SB-2	SB-2	SB-3
			Sample Date:	03/03/2022	03/03/2022	03/03/2022	02/01/2022	02/01/2022	02/01/2022	02/01/2022	02/01/2022
			Sample Depth (ft bls):	-	-	-	0 - 2	10 - 12	0 - 2	10 - 12	0 - 2
Parameters	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units								
Aluminum	--	--	MG/KG	4330	4750	4470	4750	4030	4540	1010	4800
Antimony	--	--	MG/KG	0.28 J	1.1 U	0.18 J	1.1 U	0.18 J	1.1 U	1 U	1.1 U
Arsenic	**13**	16	MG/KG	3.5	4.5	6.1	3.3	5.7	2.8	1	2.9
Barium	**350**	400	MG/KG	56	38.6	43	40.3	13.9	20.7	4.6	40.5
Beryllium	7.2	590	MG/KG	0.2 J	0.21 J	0.24 J	0.2 J	0.15 J	0.17 J	0.074 J	0.2 J
Cadmium	**2.5**	9.3	MG/KG	0.32 J	0.27 J	0.29 J	1.1 U	0.18 J	0.15 J	1 U	0.14 J
Calcium	--	--	MG/KG	22300	18000	74600	38700	11400	3720	258	66300
Chromium, Total	**30**	1500	MG/KG	10.4	11.6	11.1	13.1	6.2	8	5.7	11.2
Cobalt	--	--	MG/KG	2.9 J	2.7	2.8	2.3	2.1 J	2 J	0.72 J	2.5
Copper	**50**	270	MG/KG	22.7	19.3	19.2	11.4	7.4	14.6	2.5	12.9
Cyanide	27	27	MG/KG	0.35 U	0.17 J	0.3 U	0.25 U	0.27 U	0.27 U	0.25 U	0.26 U
Iron	--	--	MG/KG	7560	7610	8640	6410	5890	6890	3030	6600
Lead	**63**	1000	MG/KG	44	45.3	55.5	31	34.5	32.9	1.8	24.4
Magnesium	--	--	MG/KG	5120	2900	37400	3100	2240	767	201	14000
Manganese	1600	10000	MG/KG	270	134	166	121	44.8	105	33.2	129
Mercury	**0.18**	2.8	MG/KG	0.098	0.059	0.11	0.043	0.068	0.061	0.016 U	0.04
Nickel	30	310	MG/KG	8.4	6.6	7.3	7.3	5.8	4.6	1.2 J	6.7
Potassium	--	--	MG/KG	862	878	554	507	333	583	179	379
Selenium	3.9	1500	MG/KG	0.25 J	0.19 J	0.18 J	1.4 U	0.19 J	0.21 J	1.3 U	0.18 J
Silver	2	1500	MG/KG	0.17 J	0.097 J	1.2 U	0.2 J	1.1 U	1.1 U	1 U	1.1 U
Sodium	--	--	MG/KG	166 U	91.4 J	96.7 J	194	58.9 J	73.7 J	101 U	143
Thallium	--	--	MG/KG	0.66 U	0.049 J	0.057 J	0.46 U	0.05 J	0.047 J	0.4 U	0.45 U
Vanadium	--	--	MG/KG	13.3	15.5	16.6	14	14.8	10.4	3.9	21.2
Zinc	**109**	10000	MG/KG	86.9	69.9	69.8	38.1	39.6	44.2	3.1 J	47.2

Table 3. Summary of Metals in Soil, 1612 5th Avenue, Bay Shore, New York

			Sample Designation:	SB-3	SB-4	SB-4	SB-5	SB-6	SB-7	SB-8	SB-8
			Sample Date:	02/02/2022	02/02/2022	02/02/2022	02/02/2022	02/02/2022	02/02/2022	02/09/2022	02/09/2022
			Sample Depth (ft bls):	10 - 12	0 - 2	10 - 12	0 - 2	0 - 2	0 - 2	0 - 2	12 - 14
Parameters	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units								
Aluminum	--	--	MG/KG	3980	5940	5610	8660	5950	5610	4360	4810
Antimony	--	--	MG/KG	1.2 J	0.49 J	0.82 J	0.86 U	0.13 J	0.89 U	1.6 U	5.6 J
Arsenic	**13**	16	MG/KG	**26.3**	10.9	**17.7**	5	4.5	4.3	2.8	**119**
Barium	**350**	400	MG/KG	114	65	264	33.2	46	105	33	**670**
Beryllium	7.2	590	MG/KG	0.16 J	0.85	0.3 J	0.45	0.32 J	0.28 J	0.19 J	2.5 U
Cadmium	**2.5**	9.3	MG/KG	0.69 J	0.3 J	**10.3**	0.11 J	0.15 J	0.22 J	1.6 U	**4.1 J**
Calcium	--	--	MG/KG	26600	18600	25400	2330	30100	41300	46300	18800
Chromium, Total	**30**	1500	MG/KG	16.9	**72.3**	27.3	11.3	12.7	13.1	13.3	**147**
Cobalt	--	--	MG/KG	1.8 J	4	4.2	2.8	3.8	3.6	2.5 J	6.2 J
Copper	**50**	270	MG/KG	44.9	48.6	**236**	13.1	18.6	17.8	17.2	**191**
Cyanide	27	27	MG/KG	0.41 U	0.39 U	0.4	0.19 J	0.19 J	0.23 U	0.4 U	1.4 U
Iron	--	--	MG/KG	6070	33000	14000	8710	8650	9150	6770	17100
Lead	**63**	1000	MG/KG	**125**	54.5	**463**	53.4	37.5	59.7	13.9	**1880**
Magnesium	--	--	MG/KG	2110	2650	6450	1500	5530	18800	10200	2700
Manganese	1600	10000	MG/KG	143	173	259	116	162	174	200	378
Mercury	**0.18**	2.8	MG/KG	**0.24**	0.069	**0.41**	0.097	**0.19**	0.13	0.035	**1.8**
Nickel	30	310	MG/KG	7	11.1	21	6.9	15.3	9.5	6.4	28.2
Potassium	--	--	MG/KG	467	799	740	433	720	700	650	1390
Selenium	3.9	1500	MG/KG	0.26 J	0.32 J	0.38 J	0.35 J	0.28 J	0.32 J	0.21 J	7.9 U
Silver	2	1500	MG/KG	1.4 U	0.14 J	0.23 J	0.86 U	0.093 J	0.11 J	1.6 U	0.67 J
Sodium	--	--	MG/KG	288	106 J	336	98.8	313	173	132 J	10200
Thallium	--	--	MG/KG	0.56 U	0.53 U	0.051 J	0.071 J	0.058 J	0.072 J	0.62 U	2.5 U
Vanadium	--	--	MG/KG	12.3	23.3	146	15.4	16.5	20	21	17.7
Zinc	**109**	10000	MG/KG	**177**	**190**	**479**	38.3	60.1	67.4	33.5	**1610**

Table 3. Summary of Metals in Soil, 1612 5th Avenue, Bay Shore, New York

			Sample Designation:	SB-9	SB-9	SB-10	SB-10	SB-11
			Sample Date:	02/16/2022	02/16/2022	02/28/2022	02/28/2022	03/01/2022
			Sample Depth (ft bls):	0 - 2	10 - 12	0 - 2	10 - 12	1 - 3
Parameters	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units					
Aluminum	--	--	MG/KG	2670	2990	4630	3290	5810
Antimony	--	--	MG/KG	0.81 U	3.1 U	1 U	1.1 U	1 U
Arsenic	**13**	16	MG/KG	2.2	4.3	3.4	3.2	4.4
Barium	**350**	400	MG/KG	14.1	90.1	32.8	24	37.8
Beryllium	7.2	590	MG/KG	0.092 J	1.3 U	0.22 J	0.17 J	0.27 J
Cadmium	**2.5**	9.3	MG/KG	0.093 J	0.49 J	0.12 J	0.17 J	1 U
Calcium	--	--	MG/KG	3120	24400	18900	37500	65400
Chromium, Total	**30**	1500	MG/KG	18.5	**38.4**	15.5 B	5.8 B	27.5
Cobalt	--	--	MG/KG	1.7	2.2 J	2.6	2.7	2.9
Copper	**50**	270	MG/KG	9.8	27	14.4	15.1	25.7
Cyanide	27	27	MG/KG	0.22 U	0.3 U	0.25 U	0.27 U	0.26 U
Iron	--	--	MG/KG	6240	10200	8390	6300	8880
Lead	**63**	1000	MG/KG	18.5	**131**	27.5	12.7	14.6
Magnesium	--	--	MG/KG	995	2360	5510	3530	3770
Manganese	1600	10000	MG/KG	138	110	131	105	170
Mercury	**0.18**	2.8	MG/KG	0.03	**0.35**	0.081	0.033	0.035
Nickel	30	310	MG/KG	4.9	7.7	8.5	5.3	8.8
Potassium	--	--	MG/KG	195	624	676	351	479
Selenium	3.9	1500	MG/KG	1 U	3.9 U	0.16 J	1.4 U	1.3 U
Silver	2	1500	MG/KG	0.81 U	3.1 U	1 U	1.1 U	1 U
Sodium	--	--	MG/KG	49.5 J	537	179	165	281
Thallium	--	--	MG/KG	0.32 U	1.3 U	0.041 J	0.46 U	0.41 U
Vanadium	--	--	MG/KG	5.9	11.9	16.7	14.8	15.8
Zinc	**109**	10000	MG/KG	28.5	**267**	43	42.6	48.8

Table 4. Summary of Polychlorinated Biphenyls in Soil, 1612 5th Avenue, Bay Shore, New York

			Sample Designation:	BERM-1	BERM-2	BERM-3	SB-1	SB-1	SB-2	SB-2
			Sample Date:	03/03/2022	03/03/2022	03/03/2022	02/01/2022	02/01/2022	02/01/2022	02/01/2022
			Sample Depth (ft bls):	-	-	-	0 - 2	10 - 12	0 - 2	10 - 12
Parameters	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units							
PCB-1016 (Aroclor 1016)	--	--	MG/KG	0.11 U	0.074 U	0.084 U	0.078 U	0.076 U	0.074 U	0.069 U
PCB-1221 (Aroclor 1221)	--	--	MG/KG	0.11 U	0.074 U	0.084 U	0.078 U	0.076 U	0.074 U	0.069 U
PCB-1232 (Aroclor 1232)	--	--	MG/KG	0.11 U	0.074 U	0.084 U	0.078 U	0.076 U	0.074 U	0.069 U
PCB-1242 (Aroclor 1242)	--	--	MG/KG	0.11 U	0.074 U	0.084 U	0.078 U	0.076 U	0.074 U	0.069 U
PCB-1248 (Aroclor 1248)	--	--	MG/KG	0.11 U	0.074 U	0.084 U	0.078 U	0.076 U	0.074 U	0.069 U
PCB-1254 (Aroclor 1254)	--	--	MG/KG	0.11 U	0.074 U	0.084 U	0.078 U	0.076 U	0.074 U	0.069 U
PCB-1260 (Aroclor 1260)	--	--	MG/KG	0.11 U	0.074 U	0.09	0.078 U	0.076 U	0.074 U	0.069 U
PCB-1262 (Aroclor 1262)	--	--	MG/KG	0.11 U	0.074 U	0.084 U	0.078 U	0.076 U	0.074 U	0.069 U
PCB-1268 (Aroclor 1268)	--	--	MG/KG	0.11 U	0.074 U	0.084 U	0.078 U	0.076 U	0.074 U	0.069 U
Polychlorinated Biphenyl (PCBs)	**0.1**	1	MG/KG	0.11 U	0.074 U	0.09	0.078 U	0.076 U	0.074 U	0.069 U

Table 4. Summary of Polychlorinated Biphenyls in Soil, 1612 5th Avenue, Bay Shore, New York

			Sample Designation:	SB-3	SB-3	SB-4	SB-4	SB-5	SB-6	SB-7
			Sample Date:	02/01/2022	02/02/2022	02/02/2022	02/02/2022	02/02/2022	02/02/2022	02/02/2022
			Sample Depth (ft bls):	0 - 2	10 - 12	0 - 2	10 - 12	0 - 2	0 - 2	0 - 2
Parameters	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units							
PCB-1016 (Aroclor 1016)	--	--	MG/KG	0.078 U	0.12 U	0.11 U	0.092 U	0.076 U	0.074 U	0.076 U
PCB-1221 (Aroclor 1221)	--	--	MG/KG	0.078 U	0.12 U	0.11 U	0.092 U	0.076 U	0.074 U	0.076 U
PCB-1232 (Aroclor 1232)	--	--	MG/KG	0.078 U	0.12 U	0.11 U	0.092 U	0.076 U	0.074 U	0.076 U
PCB-1242 (Aroclor 1242)	--	--	MG/KG	0.078 U	0.12 U	0.11 U	0.092 U	0.076 U	0.074 U	0.076 U
PCB-1248 (Aroclor 1248)	--	--	MG/KG	0.078 U	0.12 U	0.11 U	0.092 U	0.076 U	0.074 U	0.076 U
PCB-1254 (Aroclor 1254)	--	--	MG/KG	0.078 U	0.12 U	0.11 U	0.092 U	0.076 U	0.074 U	0.076 U
PCB-1260 (Aroclor 1260)	--	--	MG/KG	0.078 U	0.12 U	0.11 U	0.092 U	0.076 U	0.074 U	0.076 U
PCB-1262 (Aroclor 1262)	--	--	MG/KG	0.078 U	0.12 U	0.11 U	0.092 U	0.076 U	0.074 U	0.076 U
PCB-1268 (Aroclor 1268)	--	--	MG/KG	0.078 U	0.12 U	0.11 U	0.092 U	0.076 U	0.074 U	0.076 U
Polychlorinated Biphenyl (PCBs)	**0.1**	1	MG/KG	0.078 U	0.12 U	0.11 U	0.092 U	0.076 U	0.074 U	0.076 U

Table 4. Summary of Polychlorinated Biphenyls in Soil, 1612 5th Avenue, Bay Shore, New York

			Sample Designation:	SB-8	SB-8	SB-9	SB-9	SB-10	SB-10	SB-11
			Sample Date:	02/09/2022	02/09/2022	02/16/2022	02/16/2022	02/28/2022	02/28/2022	03/01/2022
			Sample Depth (ft bls):	0 - 2	12 - 14	0 - 2	10 - 12	0 - 2	10 - 12	1 - 3
Parameters	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units							
PCB-1016 (Aroclor 1016)	--	--	MG/KG	0.11 U	0.43 U	0.071 U	0.093 U	0.071 U	0.081 U	0.073 U
PCB-1221 (Aroclor 1221)	--	--	MG/KG	0.11 U	0.43 U	0.071 U	0.093 U	0.071 U	0.081 U	0.073 U
PCB-1232 (Aroclor 1232)	--	--	MG/KG	0.11 U	0.43 U	0.071 U	0.093 U	0.071 U	0.081 U	0.073 U
PCB-1242 (Aroclor 1242)	--	--	MG/KG	0.11 U	0.43 U	0.071 U	0.4	0.071 U	0.081 U	0.073 U
PCB-1248 (Aroclor 1248)	--	--	MG/KG	0.11 U	0.43 U	0.071 U	0.093 U	0.071 U	0.081 U	0.073 U
PCB-1254 (Aroclor 1254)	--	--	MG/KG	0.11 U	0.99	0.071 U	0.46	0.071 U	0.081 U	0.073 U
PCB-1260 (Aroclor 1260)	--	--	MG/KG	0.11 U	0.43 U	0.071 U	0.093 U	0.071 U	0.081 U	0.073 U
PCB-1262 (Aroclor 1262)	--	--	MG/KG	0.11 U	0.43 U	0.071 U	0.093 U	0.071 U	0.081 U	0.073 U
PCB-1268 (Aroclor 1268)	--	--	MG/KG	0.11 U	0.43 U	0.071 U	0.093 U	0.071 U	0.081 U	0.073 U
Polychlorinated Biphenyl (PCBs)	**0.1**	1	MG/KG	0.11 U	**0.99**	0.071 U	**0.86**	0.071 U	0.081 U	0.073 U

Table 5. Summary of Pesticides in Soil, 1612 5th Avenue, Bay Shore, New York

			Sample Designation:	BERM-1	BERM-2	BERM-3	SB-1	SB-1	SB-2
			Sample Date:	03/03/2022	03/03/2022	03/03/2022	02/01/2022	02/01/2022	02/01/2022
			Sample Depth (ft bls):	-	-	-	0 - 2	10 - 12	0 - 2
Parameters	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units						
Aldrin	0.005	0.68	MG/KG	0.011 U	0.0074 U	0.0084 U	0.0045 J	0.0076 U	0.0074 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	3.4	MG/KG	0.0034 U	0.0022 U	0.0025 U	0.0023 U	0.0023 U	0.0022 U
Alpha Endosulfan	2.4	200	MG/KG	0.011 U	0.0074 U	0.0084 U	0.0078 U	0.0076 U	0.0074 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	3	MG/KG	0.0034 U	0.0022 U	0.0025 U	0.0023 U	0.0023 U	0.0022 U
Beta Endosulfan	2.4	200	MG/KG	0.011 U	0.0074 U	0.0084 U	0.0078 U	0.0076 U	0.0074 U
Chlordane (Technical)	--	--	MG/KG	0.11 U	0.12	0.32	0.21	0.44	0.074 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	500	MG/KG	0.0034 U	0.0022 U	0.0025 U	0.0023 U	0.0023 U	0.0022 U
Dieldrin	**0.005**	1.4	MG/KG	0.0033 J	0.0022 U	0.0025 U	0.0023 U	0.0023 U	0.0022 U
Endosulfan Sulfate	2.4	200	MG/KG	0.011 U	0.0074 U	0.0084 U	0.0078 U	0.0076 U	0.0074 U
Endrin	0.014	89	MG/KG	0.011 U	0.0074 U	0.0084 U	0.0078 U	0.0076 U	0.0074 U
Endrin Aldehyde	--	--	MG/KG	0.011 U	0.0074 U	0.0084 U	0.0078 U	0.0076 U	0.0074 U
Endrin Ketone	--	--	MG/KG	0.011 U	0.0074 U	0.0084 U	0.0078 U	0.0076 U	0.0074 U
Gamma Bhc (Lindane)	0.1	9.2	MG/KG	0.0034 U	0.0022 U	0.0025 U	0.0023 U	0.0023 U	0.0022 U
Heptachlor	0.042	15	MG/KG	0.011 U	0.0074 U	0.0084 U	0.0078 U	0.0076 U	0.0074 U
Heptachlor Epoxide	--	--	MG/KG	0.011 U	0.0074 U	0.0084 U	0.0078 U	0.0076 U	0.0074 U
Methoxychlor	--	--	MG/KG	0.011 U	0.0074 U	0.0084 U	0.0078 U	0.0076 U	0.0074 U
P,P'-DDD	**0.0033**	92	MG/KG	0.011 U	0.0074 U	**0.018**	0.0078 U	**0.012**	**0.0073 J**
P,P'-DDE	**0.0033**	62	MG/KG	0.011 U	0.0032 JP	**0.015**	**0.0072 J**	**0.0071 JP**	**0.015**
P,P'-DDT	**0.0033**	47	MG/KG	0.011 U	0.0074 U	**0.012 P**	0.0026 J	**0.0068 J**	0.0074 U
Toxaphene	--	--	MG/KG	0.11 U	0.074 U	0.084 U	0.078 U	0.076 U	0.074 U

Table 5. Summary of Pesticides in Soil, 1612 5th Avenue, Bay Shore, New York

Parameters	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units	Sample Designation: SB-2	SB-3	SB-3	SB-4	SB-4	SB-5
				Sample Date: 02/01/2022	02/01/2022	02/02/2022	02/02/2022	02/02/2022	02/02/2022
				Sample Depth (ft bls): 10 - 12	0 - 2	10 - 12	0 - 2	10 - 12	0 - 2
Aldrin	0.005	0.68	MG/KG	0.0069 U	0.0078 U	0.012 U	0.011 U	0.0092 U	0.0076 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	3.4	MG/KG	0.0021 U	0.0023 U	0.0035 U	0.0032 U	0.0027 U	0.0023 U
Alpha Endosulfan	2.4	200	MG/KG	0.0069 U	0.0078 U	0.012 U	0.011 U	0.0092 U	0.0076 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	3	MG/KG	0.0021 U	0.0023 U	0.0035 U	0.0032 U	0.0027 U	0.0023 U
Beta Endosulfan	2.4	200	MG/KG	0.0069 U	0.0078 U	0.012 U	0.011 U	0.0092 U	0.0076 U
Chlordane (Technical)	--	--	MG/KG	0.069 U	0.078 U	0.12 U	0.11 U	0.092 U	0.09
Delta BHC (Delta Hexachlorocyclohexane)	0.04	500	MG/KG	0.0021 U	0.0023 U	0.0035 U	0.0032 U	0.0027 U	0.0023 U
Dieldrin	**0.005**	1.4	MG/KG	0.0021 U	0.0023 U	0.0035 U	0.0032 U	0.0027 U	0.0021 J
Endosulfan Sulfate	2.4	200	MG/KG	0.0069 U	0.0078 U	0.012 U	0.011 U	0.0092 U	0.0076 U
Endrin	0.014	89	MG/KG	0.0069 U	0.0078 U	0.012 U	0.011 U	0.0092 U	0.0076 U
Endrin Aldehyde	--	--	MG/KG	0.0069 U	0.0078 U	0.012 U	0.011 U	0.0092 U	0.0076 U
Endrin Ketone	--	--	MG/KG	0.0069 U	0.0078 U	0.012 U	0.011 U	0.0092 U	0.0076 U
Gamma Bhc (Lindane)	0.1	9.2	MG/KG	0.0021 U	0.0023 U	0.0035 U	0.0032 U	0.0027 U	0.0023 U
Heptachlor	0.042	15	MG/KG	0.0069 U	0.0078 U	0.012 U	0.011 U	0.0092 U	0.0076 U
Heptachlor Epoxide	--	--	MG/KG	0.0069 U	0.0078 U	0.012 U	0.011 U	0.0092 U	0.0076 U
Methoxychlor	--	--	MG/KG	0.0069 U	0.0078 U	0.012 U	0.011 U	0.0092 U	0.0076 U
P,P'-DDD	**0.0033**	92	MG/KG	0.0069 U	0.0078 U	0.012 U	0.011 U	**0.0035 J**	**0.0078**
P,P'-DDE	**0.0033**	62	MG/KG	0.0069 U	**0.0099**	**0.032**	**0.0043 J**	**0.014**	**0.0044 J**
P,P'-DDT	**0.0033**	47	MG/KG	0.0069 U	**0.0037 JP**	0.012 U	0.011 U	0.0092 U	0.0033 J
Toxaphene	--	--	MG/KG	0.069 U	0.078 U	0.12 U	0.11 U	0.092 U	0.076 U

Table 5. Summary of Pesticides in Soil, 1612 5th Avenue, Bay Shore, New York

Parameters	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units	Sample Designation: SB-6	SB-7	SB-8	SB-8	SB-9	SB-9
				Sample Date: 02/02/2022	02/02/2022	02/09/2022	02/09/2022	02/16/2022	02/16/2022
				Sample Depth (ft bls): 0 - 2	0 - 2	0 - 2	12 - 14	0 - 2	10 - 12
Aldrin	0.005	0.68	MG/KG	0.0074 U	0.0076 U	0.011 U	0.043 U	0.0071 U	0.0093 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	3.4	MG/KG	0.0022 U	0.0023 U	0.0033 U	0.013 U	0.0021 U	0.0028 U
Alpha Endosulfan	2.4	200	MG/KG	0.0074 U	0.0076 U	0.011 U	0.043 U	0.0071 U	0.0093 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	3	MG/KG	0.0022 U	0.0023 U	0.0033 U	0.013 U	0.0021 U	0.0028 U
Beta Endosulfan	2.4	200	MG/KG	0.0074 U	0.0076 U	0.011 U	0.043 U	0.0071 U	0.0093 U
Chlordane (Technical)	--	--	MG/KG	0.52	0.23	0.11 U	0.43 U	0.48	0.49
Delta BHC (Delta Hexachlorocyclohexane)	0.04	500	MG/KG	0.0022 U	0.0023 U	0.0033 U	0.013 U	0.0021 U	0.0028 U
Dieldrin	**0.005**	1.4	MG/KG	**0.012**	**0.0064**	0.0033 U	0.013 U	0.0021 U	0.0028 U
Endosulfan Sulfate	2.4	200	MG/KG	0.0074 U	0.0076 U	0.011 U	0.043 U	0.0071 U	0.0093 U
Endrin	0.014	89	MG/KG	0.0074 U	0.0076 U	0.011 U	0.043 U	0.0071 U	0.0093 U
Endrin Aldehyde	--	--	MG/KG	0.0074 U	0.0076 U	0.011 U	0.043 U	0.0071 U	0.0093 U
Endrin Ketone	--	--	MG/KG	0.0074 U	0.0076 U	0.011 U	0.043 U	0.0071 U	0.0093 U
Gamma Bhc (Lindane)	0.1	9.2	MG/KG	0.0022 U	0.0023 U	0.0033 U	0.013 U	0.0021 U	0.0028 U
Heptachlor	0.042	15	MG/KG	0.0074 U	0.0076 U	0.011 U	0.043 U	0.0071 U	0.0093 U
Heptachlor Epoxide	--	--	MG/KG	0.0074 U	0.0076 U	0.011 U	0.043 U	0.0071 U	0.0093 U
Methoxychlor	--	--	MG/KG	0.0074 U	0.0076 U	0.011 U	0.043 U	0.0071 U	0.0093 U
P,P'-DDD	**0.0033**	92	MG/KG	0.0074 U	**0.0036 J**	0.011 U	**0.034 J**	0.0071 U	0.0093 U
P,P'-DDE	**0.0033**	62	MG/KG	**0.0091**	**0.0051 J**	0.011 U	0.043 U	0.0071 U	**0.0081 JP**
P,P'-DDT	**0.0033**	47	MG/KG	**0.0066 J**	0.0028 J	0.011 U	0.043 U	0.0071 U	0.0093 U
Toxaphene	--	--	MG/KG	0.074 U	0.076 U	0.11 U	0.43 U	0.071 U	0.093 U

Table 5. Summary of Pesticides in Soil, 1612 5th Avenue, Bay Shore, New York

			Sample Designation:	SB-10	SB-10	SB-11
			Sample Date:	02/28/2022	02/28/2022	03/01/2022
			Sample Depth (ft bls):	0 - 2	10 - 12	1 - 3
Parameters	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units			
Aldrin	0.005	0.68	MG/KG	0.0071 U	0.0081 U	0.0073 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	3.4	MG/KG	0.0021 U	0.0024 U	0.0022 U
Alpha Endosulfan	2.4	200	MG/KG	0.0071 U	0.0081 U	0.0073 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	3	MG/KG	0.0021 U	0.0024 U	0.0022 U
Beta Endosulfan	2.4	200	MG/KG	0.0071 U	0.0081 U	0.0073 U
Chlordane (Technical)	--	--	MG/KG	0.28	0.047 J	0.32
Delta BHC (Delta Hexachlorocyclohexane)	0.04	500	MG/KG	0.0021 U	0.0024 U	0.0022 U
Dieldrin	**0.005**	1.4	MG/KG	0.0021 U	0.0024 U	0.0022 U
Endosulfan Sulfate	2.4	200	MG/KG	0.0071 U	0.0081 U	0.0073 U
Endrin	0.014	89	MG/KG	0.0071 U	0.0081 U	0.0073 U
Endrin Aldehyde	--	--	MG/KG	0.0071 U	0.0081 U	0.0073 U
Endrin Ketone	--	--	MG/KG	0.0071 U	0.0081 U	0.0073 U
Gamma Bhc (Lindane)	0.1	9.2	MG/KG	0.0021 U	0.0024 U	0.0022 U
Heptachlor	0.042	15	MG/KG	0.0071 U	0.0081 U	0.0073 U
Heptachlor Epoxide	--	--	MG/KG	0.0071 U	0.0081 U	0.0073 U
Methoxychlor	--	--	MG/KG	0.0071 U	0.0081 U	0.0073 U
P,P'-DDD	**0.0033**	92	MG/KG	**0.0056 J**	**0.014**	0.0073 U
P,P'-DDE	**0.0033**	62	MG/KG	**0.0083**	**0.011**	**0.0086**
P,P'-DDT	**0.0033**	47	MG/KG	0.0033 J	0.0081 U	0.0025 JP
Toxaphene	--	--	MG/KG	0.071 U	0.081 U	0.073 U

Table 6. Summary of Volatile Organic Compounds in Groundwater, 1612 5th Avenue, Bay Shore, New York

Parameters	NYSDEC Ambient Water Quality Standards and Guidance Values	Units	TW-1	TW-2	TW-3	TW-4	TW-5	TW-6
Sample Designation:			TW-1	TW-2	TW-3	TW-4	TW-5	TW-6
Sample Date:			02/01/2022	02/01/2022	02/02/2022	02/02/2022	03/03/2022	03/03/2022
1,1,1-Trichloroethane (TCA)	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	**50**	UG/L	5 U	5 U	5.9	5 U	10	5 U
Benzene	1	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	60	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
Cis-1,3-Dichloropropene	--	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
Cyclohexane	--	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
m,p-Xylene	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
Methyl Acetate	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U

Table 6. Summary of Volatile Organic Compounds in Groundwater, 1612 5th Avenue, Bay Shore, New York

		Sample Designation:	TW-1	TW-2	TW-3	TW-4	TW-5	TW-6
		Sample Date:	02/01/2022	02/01/2022	02/02/2022	02/02/2022	03/03/2022	03/03/2022
Parameters	NYSDEC Ambient Water Quality Standards and Guidance Values	Units						
Methyl Ethyl Ketone (2-Butanone)	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
Methylcyclohexane	--	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
Tert-Butyl Methyl Ether	10	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethylene (PCE)	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
Trans-1,3-Dichloropropene	--	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	2	UG/L	1 U	1 U	1 U	1 U	1 U	1 U

Table 6. Summary of Volatile Organic Compounds in Groundwater, 1612 5th Avenue, Bay Shore, New York

Parameters	NYSDEC Ambient Water Quality Standards and Guidance Values	Units	Sample Designation: TW-8 Sample Date: 03/03/2022
1,1,1-Trichloroethane (TCA)	5	UG/L	1 U
1,1,2,2-Tetrachloroethane	5	UG/L	1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	5	UG/L	1 U
1,1,2-Trichloroethane	1	UG/L	1 U
1,1-Dichloroethane	5	UG/L	1 U
1,1-Dichloroethene	5	UG/L	1 U
1,2,3-Trichlorobenzene	5	UG/L	1 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	1 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	1 U
1,2-Dichloroethane	0.6	UG/L	1 U
1,2-Dichloropropane	1	UG/L	1 U
2-Hexanone	50	UG/L	5 U
Acetone	**50**	UG/L	**170**
Benzene	1	UG/L	0.78 J
Bromochloromethane	5	UG/L	1 U
Bromodichloromethane	50	UG/L	1 U
Bromoform	50	UG/L	1 U
Bromomethane	5	UG/L	1 U
Carbon Disulfide	60	UG/L	1 U
Carbon Tetrachloride	5	UG/L	1 U
Chlorobenzene	5	UG/L	1 U
Chloroethane	5	UG/L	1 U
Chloroform	7	UG/L	1 U
Chloromethane	5	UG/L	1 U
Cis-1,2-Dichloroethylene	5	UG/L	1 U
Cis-1,3-Dichloropropene	--	UG/L	1 U
Cyclohexane	--	UG/L	1 U
Dibromochloromethane	50	UG/L	1 U
Dichlorodifluoromethane	5	UG/L	1 U
Ethylbenzene	5	UG/L	0.38 J
Isopropylbenzene (Cumene)	5	UG/L	1 U
m,p-Xylene	5	UG/L	0.54 J
Methyl Acetate	--	UG/L	5 U

Table 6. Summary of Volatile Organic Compounds in Groundwater, 1612 5th Avenue, Bay Shore, New York

	Sample Designation:		TW-8
	Sample Date:		03/03/2022
Parameters	NYSDEC Ambient Water Quality Standards and Guidance Values	Units	
Methyl Ethyl Ketone (2-Butanone)	50	UG/L	14
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	5 U
Methylcyclohexane	--	UG/L	1 U
Methylene Chloride	5	UG/L	1 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L	1 U
Styrene	5	UG/L	0.46 J
Tert-Butyl Methyl Ether	10	UG/L	1 U
Tetrachloroethylene (PCE)	5	UG/L	0.56 J
Toluene	5	UG/L	2.2
Trans-1,2-Dichloroethene	5	UG/L	1 U
Trans-1,3-Dichloropropene	--	UG/L	1 U
Trichloroethylene (TCE)	5	UG/L	1 U
Trichlorofluoromethane	5	UG/L	1 U
Vinyl Chloride	2	UG/L	1 U

Table 7. Summary of Semivolatile Organic Compounds in Groundwater, 1612 5th Avenue, Bay Shore, New York

			Sample Designation:	TW-1	TW-2	TW-3	TW-4	TW-5	TW-6
			Sample Date:	02/01/2022	02/01/2022	02/02/2022	02/02/2022	03/03/2022	03/03/2022
Parameters	NYSDEC Ambient Water Quality Standards and Guidance Values	Units							
1,2,4,5-Tetrachlorobenzene	5	UG/L		10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dioxane (P-Dioxane)	0.35	UG/L		0.2 U	0.2 U	0.2 U	0.2 U	NA	NA
2,3,4,6-Tetrachlorophenol	--	UG/L		10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	--	UG/L		10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	--	UG/L		10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	5	UG/L		10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	50	UG/L		10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	10	UG/L		20 U	20 U	20 U	20 U	20 U	20 U
2,4-Dinitrotoluene	5	UG/L		2 U	2 U	2 U	2 U	2 U	2 U
2,6-Dinitrotoluene	5	UG/L		2 U	2 U	2 U	2 U	2 U	2 U
2-Chloronaphthalene	10	UG/L		10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	--	UG/L		10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	--	UG/L		10 U	10 U	10 U	10 U	0.71 J	10 U
2-Methylphenol (O-Cresol)	--	UG/L		10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	5	UG/L		10 U	10 U	10 U	10 U	10 U	10 U
2-Nitrophenol	--	UG/L		10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	5	UG/L		10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	5	UG/L		10 U	10 U	10 U	10 U	10 U	10 U
4,6-Dinitro-2-Methylphenol	--	UG/L		20 U	20 U	20 U	20 U	20 U	20 U
4-Bromophenyl Phenyl Ether	--	UG/L		10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-Methylphenol	--	UG/L		10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	5	UG/L		10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	--	UG/L		10 U	10 U	10 U	10 U	10 U	10 U
4-Methylphenol (P-Cresol)	--	UG/L		10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	5	UG/L		10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	--	UG/L		20 U	20 U	20 U	20 U	20 U	20 U
Acenaphthene	20	UG/L		1.2 J	10 U	10 U	10 U	1.5 J	10 U
Acenaphthylene	20	UG/L		10 U	10 U	10 U	10 U	10 U	10 U
Acetophenone	--	UG/L		10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50	UG/L		10 U	10 U	10 U	10 U	10 U	10 U
Atrazine	7.5	UG/L		2 U	2 U	2 U	2 U	2 U	2 U
Benzaldehyde	--	UG/L		10 U	10 U	10 U	10 U	10 U	10 U
Benzo(A)Anthracene	0.002	UG/L		1 U	1 U	1 U	1 U	1 U	1 U
Benzo(A)Pyrene	0	UG/L		1 U	1 U	1 U	1 U	1 U	1 U
Benzo(B)Fluoranthene	0.002	UG/L		2 U	2 U	2 U	2 U	2 U	2 U

Table 7. Summary of Semivolatile Organic Compounds in Groundwater, 1612 5th Avenue, Bay Shore, New York

			Sample Designation:	TW-1	TW-2	TW-3	TW-4	TW-5	TW-6
			Sample Date:	02/01/2022	02/01/2022	02/02/2022	02/02/2022	03/03/2022	03/03/2022
Parameters	NYSDEC Ambient Water Quality Standards and Guidance Values	Units							
Benzo(G,H,I)Perylene	--	UG/L		10 U	10 U	10 U	10 U	10 U	10 U
Benzo(K)Fluoranthene	0.002	UG/L		1 U	1 U	1 U	1 U	1 U	1 U
Benzyl Butyl Phthalate	50	UG/L		10 U	10 U	10 U	10 U	10 U	10 U
Biphenyl (Diphenyl)	5	UG/L		10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-Chloroethoxy) Methane	5	UG/L		10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	UG/L		1 U	1 U	1 U	1 U	1 U	1 U
Bis(2-Chloroisopropyl) Ether	5	UG/L		10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-Ethylhexyl) Phthalate	5	UG/L		2 U	2 U	2 U	2 U	2 U	2 U
Caprolactam	--	UG/L		10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	--	UG/L		10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002	UG/L		2 U	2 U	2 U	2 U	2 U	2 U
Dibenz(A,H)Anthracene	--	UG/L		1 U	1 U	1 U	1 U	1 U	1 U
Dibenzofuran	--	UG/L		10 U	10 U	10 U	10 U	10 U	10 U
Diethyl Phthalate	50	UG/L		10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl Phthalate	50	UG/L		10 U	10 U	10 U	10 U	10 U	10 U
Di-N-Butyl Phthalate	50	UG/L		10 U	10 U	10 U	10 U	10 U	10 U
Di-N-Octylphthalate	--	UG/L		10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50	UG/L		10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50	UG/L		10 U	10 U	10 U	10 U	0.92 J	10 U
Hexachlorobenzene	0.04	UG/L		1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorobutadiene	0.5	UG/L		1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorocyclopentadiene	5	UG/L		10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	5	UG/L		2 U	2 U	2 U	2 U	2 U	2 U
Indeno(1,2,3-C,D)Pyrene	0.002	UG/L		2 U	2 U	2 U	2 U	2 U	2 U
Isophorone	50	UG/L		10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10	UG/L		2 U	2 U	2 U	2 U	2 U	2 U
Nitrobenzene	0.4	UG/L		1 U	1 U	1 U	1 U	1 U	1 U
N-Nitrosodi-N-Propylamine	--	UG/L		1 U	1 U	1 U	1 U	1 U	1 U
N-Nitrosodiphenylamine	50	UG/L		10 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	1	UG/L		20 U	20 U	20 U	20 U	20 U	20 U
Phenanthrene	50	UG/L		10 U	10 U	10 U	10 U	10 U	10 U
Phenol	1	UG/L		10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50	UG/L		10 U	10 U	10 U	10 U	10 U	10 U

Table 7. Summary of Semivolatile Organic Compounds in Groundwater, 1612 5th Avenue, Bay Shore, New York

		Sample Designation:	TW-8
		Sample Date:	03/03/2022
Parameters	NYSDEC Ambient Water Quality Standards and Guidance Values	Units	
1,2,4,5-Tetrachlorobenzene	5	UG/L	10 U
1,4-Dioxane (P-Dioxane)	0.35	UG/L	NA
2,3,4,6-Tetrachlorophenol	--	UG/L	10 U
2,4,5-Trichlorophenol	--	UG/L	10 U
2,4,6-Trichlorophenol	--	UG/L	10 U
2,4-Dichlorophenol	5	UG/L	10 U
2,4-Dimethylphenol	50	UG/L	2.6 J
2,4-Dinitrophenol	10	UG/L	20 U
2,4-Dinitrotoluene	5	UG/L	2 U
2,6-Dinitrotoluene	5	UG/L	2 U
2-Chloronaphthalene	10	UG/L	10 U
2-Chlorophenol	--	UG/L	10 U
2-Methylnaphthalene	--	UG/L	0.73 J
2-Methylphenol (O-Cresol)	--	UG/L	2.2 J
2-Nitroaniline	5	UG/L	10 U
2-Nitrophenol	--	UG/L	10 U
3,3'-Dichlorobenzidine	5	UG/L	10 U
3-Nitroaniline	5	UG/L	10 U
4,6-Dinitro-2-Methylphenol	--	UG/L	20 U
4-Bromophenyl Phenyl Ether	--	UG/L	10 U
4-Chloro-3-Methylphenol	--	UG/L	10 U
4-Chloroaniline	5	UG/L	10 U
4-Chlorophenyl Phenyl Ether	--	UG/L	10 U
4-Methylphenol (P-Cresol)	--	UG/L	4.8 J
4-Nitroaniline	5	UG/L	10 U
4-Nitrophenol	--	UG/L	20 U
Acenaphthene	20	UG/L	10 U
Acenaphthylene	20	UG/L	10 U
Acetophenone	--	UG/L	10 U
Anthracene	50	UG/L	10 U
Atrazine	7.5	UG/L	2 U
Benzaldehyde	--	UG/L	10 U
Benzo(A)Anthracene	0.002	UG/L	1 U
Benzo(A)Pyrene	0	UG/L	1 U
Benzo(B)Fluoranthene	0.002	UG/L	2 U

Table 7. Summary of Semivolatile Organic Compounds in Groundwater, 1612 5th Avenue, Bay Shore, New York

		Sample Designation:	TW-8
		Sample Date:	03/03/2022
Parameters	NYSDEC Ambient Water Quality Standards and Guidance Values	Units	
Benzo(G,H,I)Perylene	--	UG/L	10 U
Benzo(K)Fluoranthene	0.002	UG/L	1 U
Benzyl Butyl Phthalate	50	UG/L	10 U
Biphenyl (Diphenyl)	5	UG/L	10 U
Bis(2-Chloroethoxy) Methane	5	UG/L	10 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	UG/L	1 U
Bis(2-Chloroisopropyl) Ether	5	UG/L	10 U
Bis(2-Ethylhexyl) Phthalate	5	UG/L	2 U
Caprolactam	--	UG/L	10 U
Carbazole	--	UG/L	10 U
Chrysene	0.002	UG/L	2 U
Dibenz(A,H)Anthracene	--	UG/L	1 U
Dibenzofuran	--	UG/L	10 U
Diethyl Phthalate	50	UG/L	10 U
Dimethyl Phthalate	50	UG/L	10 U
Di-N-Butyl Phthalate	50	UG/L	10 U
Di-N-Octylphthalate	--	UG/L	10 U
Fluoranthene	50	UG/L	10 U
Fluorene	50	UG/L	10 U
Hexachlorobenzene	0.04	UG/L	1 U
Hexachlorobutadiene	0.5	UG/L	1 U
Hexachlorocyclopentadiene	5	UG/L	10 U
Hexachloroethane	5	UG/L	2 U
Indeno(1,2,3-C,D)Pyrene	0.002	UG/L	2 U
Isophorone	50	UG/L	10 U
Naphthalene	10	UG/L	2
Nitrobenzene	0.4	UG/L	1 U
N-Nitrosodi-N-Propylamine	--	UG/L	1 U
N-Nitrosodiphenylamine	50	UG/L	10 U
Pentachlorophenol	1	UG/L	20 U
Phenanthrene	50	UG/L	10 U
Phenol	**1**	UG/L	**90**
Pyrene	50	UG/L	10 U

Table 8. Summary of Metals in Groundwater, 1612 5th Avenue, Bay Shore, New York

		Sample Designation:	TW-1	TW-1	TW-2	TW-2	TW-3	TW-3	TW-4	TW-4	TW-5
		Sample Date:	02/01/2022	02/01/2022	02/01/2022	02/01/2022	02/02/2022	02/02/2022	02/02/2022	02/02/2022	03/03/2022
		Total or Dissolved:	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total
Parameters	NYSDEC Ambient Water Quality Standards and Guidance Values	Units									
Aluminum	--	UG/L	684	40 U	65.6	40 U	926	422	165	44.3	111
Antimony	3	UG/L	2 U	2 U	2 U	2 U	0.83 J	2 U	2 U	2 U	2 U
Arsenic	25	UG/L	5.2	2 U	2 U	2 U	2.6	2.1	3.2	1.6 J	**32**
Barium	1000	UG/L	196	136	24.1	25.7	19.6	15.5	361	198	816
Beryllium	3	UG/L	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Cadmium	5	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Calcium	--	UG/L	183000	175000	20700	21200	62900	47700	310000	268000	219000 B
Chromium, Total	50	UG/L	4 U	4 U	4 U	4 U	43	39.6	3.7 J	3 J	19.7
Cobalt	--	UG/L	4 U	4 U	11.5	11.4	0.75 J	4 U	2.2 J	1.4 J	2.7 J
Copper	200	UG/L	3 J	4 U	4 U	4 U	14.3	11.3	3.1 J	4 U	4 U
Cyanide	200	UG/L	10 U	NA	10 U	NA	10 U	NA	10 U	NA	4 J
Iron	**300**	UG/L	**32800**	**5750**	**2410**	**1900**	**344**	120 U	**19600**	191	**9370**
Lead	25	UG/L	11.1	1.2 U	1.2 U	1.2 U	3.6	1.2 U	5.9	1.2 U	1.8
Magnesium	**35000**	UG/L	10200	9880	2720	2750	172 J	405	**50100**	**44900**	**44400**
Manganese	**300**	UG/L	**639**	**654**	**2020**	**1930**	5.8 J	2.1 J	**1810**	**1550**	**1280**
Mercury	0.7	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	UG/L	0.97 J	4 U	6.3	5.6	2.3 J	4 U	3.2 J	4 U	4.1
Potassium	--	UG/L	15300	15100	3740	3720	22900	22100	83200	77700	107000
Selenium	10	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	0.68 J	2.2 J	2.5 U	0.61 J	2.5 U
Silver	50	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Sodium	**20000**	UG/L	**33500**	**34300**	**53600**	**53900**	**36700**	**37200**	**41200**	**40100**	**41200**
Thallium	0.5	UG/L	0.8 U	0.8 U	0.23 J	0.23 J	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Vanadium	--	UG/L	2.5 J	4 U	4 U	4 U	24.3	21.3	4.6	0.98 J	1.3 J
Zinc	2000	UG/L	11.9 J	16 U	16 U	16 U	16 U	16 U	7.9 J	16 U	16 U

Table 8. Summary of Metals in Groundwater, 1612 5th Avenue, Bay Shore, New York

		Sample Designation:	TW-5	TW-6	TW-6	TW-8	TW-8
		Sample Date:	03/03/2022	03/03/2022	03/03/2022	03/03/2022	03/03/2022
		Total or Dissolved:	Dissolved	Total	Dissolved	Total	Dissolved
Parameters	NYSDEC Ambient Water Quality Standards and Guidance Values	Units					
Aluminum	--	UG/L	40.7	26.2 J	40 U	202	40 U
Antimony	3	UG/L	2 U	2 U	2 U	1.2 J	1.1 J
Arsenic	25	UG/L	7.9	3	0.95 J	18.4	9.5
Barium	1000	UG/L	713	332	239	578	487
Beryllium	3	UG/L	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Cadmium	5	UG/L	2 U	2 U	2 U	2 U	2 U
Calcium	--	UG/L	203000	208000 B	199000	117000 B	113000
Chromium, Total	50	UG/L	13	4 U	4 U	7.1	4 U
Cobalt	--	UG/L	2.4 J	0.89 J	0.81 J	3 J	2.7 J
Copper	200	UG/L	4 U	4 U	4 U	5.7	2.5 J
Cyanide	200	UG/L	NA	8.3 J	NA	6.4 J	NA
Iron	**300**	UG/L	**1190**	**21300**	120 U	**10100**	88.7 J
Lead	25	UG/L	1.2 U	1.2 U	1.2 U	4.8	1.2 U
Magnesium	**35000**	UG/L	**45500**	20600	18200	11900	10200
Manganese	**300**	UG/L	**1230**	**865**	**790**	**1040**	**912**
Mercury	0.7	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	UG/L	4	1.6 J	3.5 J	69.7	62
Potassium	--	UG/L	119000	19500	24000	172000	175000
Selenium	10	UG/L	2.5 U	2.5 U	0.59 J	3.2	4.3
Silver	50	UG/L	2 UT	2 U	2 UT	2 U	2 UT
Sodium	**20000**	UG/L	**40500**	**69000**	**75700**	**309000**	**282000**
Thallium	0.5	UG/L	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Vanadium	--	UG/L	4 U	1.9 J	4 U	1.2 J	4 U
Zinc	2000	UG/L	16 U	16 U	16 U	27.5	18.7

Table 9. Summary of Polychlorinated Biphenyls in Groundwater, 1612 5th Avenue, Bay Shore, New York

	Sample Designation:		TW-1	TW-2	TW-3	TW-4	TW-5	TW-6	TW-8
	Sample Date:		02/01/2022	02/01/2022	02/02/2022	02/02/2022	03/03/2022	03/03/2022	03/03/2022
Parameters	NYSDEC Ambient Water Quality Standards and Guidance Values	Units							
PCB-1016 (Aroclor 1016)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1221 (Aroclor 1221)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1232 (Aroclor 1232)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1242 (Aroclor 1242)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1248 (Aroclor 1248)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1254 (Aroclor 1254)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1260 (Aroclor 1260)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1262 (Aroclor 1262)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1268 (Aroclor 1268)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Polychlorinated Biphenyl (PCBs)	0.09	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U

Table 10. Summary of Pesticides in Groundwater, 1612 5th Avenue, Bay Shore, New York

		Sample Designation:	TW-1	TW-2	TW-3	TW-4	TW-5	TW-6	TW-8
		Sample Date:	02/01/2022	02/01/2022	02/02/2022	02/02/2022	03/03/2022	03/03/2022	03/03/2022
Parameters	NYSDEC Ambient Water Quality Standards and Guidance Values	Units							
Aldrin	0	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.01	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Alpha Endosulfan	--	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.04	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Beta Endosulfan	--	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Chlordane (Technical)	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Dieldrin	0.004	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endosulfan Sulfate	--	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endrin	0	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endrin Aldehyde	5	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endrin Ketone	5	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Gamma Bhc (Lindane)	0.05	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Heptachlor	0.04	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Heptachlor Epoxide	0.03	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Methoxychlor	35	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
P,P'-DDD	0.3	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
P,P'-DDE	0.2	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
P,P'-DDT	0.2	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Toxaphene	0.06	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 11. Summary of Perflouryl Alkyl Substances in Groundwater, 1612 5th Avenue, Bay Shore, New York

Parameters	NYSDEC Ambient Water Quality Standards and Guidance Values	Units	Sample Designation: TW-1 Sample Date: 02/01/2022	TW-2 02/01/2022	TW-3 02/02/2022	TW-4 02/02/2022
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	UG/L	0.0008 J	0.00169 U	0.004	0.0197 U
N-ethyl perfluorooctanesulfonamidoacetic acid	--	UG/L	0.00248 J	0.00254 U	0.00618	0.0295 U
Perfluorobutanesulfonic acid (PFBS)	--	UG/L	0.00265	0.0114	0.00428	0.0271
Perfluorobutanoic Acid	--	UG/L	0.0107	0.00668	0.0328	0.0447 J
Perfluorodecane Sulfonic Acid	--	UG/L	0.00177 U	0.00169 U	0.00179 U	0.0197 U
Perfluorodecanoic acid (PFDA)	--	UG/L	0.00219	0.00255	0.0411	0.0197 U
Perfluorododecanoic acid (PFDoA)	--	UG/L	0.00177 U	0.00169 U	0.00555	0.0197 U
Perfluoroheptane Sulfonate (PFHPS)	--	UG/L	0.00177 U	0.00044 J	0.00179 U	0.0197 U
Perfluoroheptanoic acid (PFHpA)	--	UG/L	0.0079	0.0081	0.0241	0.0274
Perfluorohexanesulfonic acid (PFHxS)	--	UG/L	0.00265	0.00657	0.0064	0.0282
Perfluorohexanoic acid (PFHxA)	--	UG/L	0.0143	0.00695	0.0632	0.0443
Perfluorononanoic acid (PFNA)	--	UG/L	0.0052	0.00441	0.0178	0.0187 J
Perfluorooctane Sulfonamide (FOSA)	--	UG/L	0.00177 U	0.00169 U	0.0036	0.0197 U
Perfluorooctanesulfonic acid (PFOS)	**0.0027**	UG/L	**0.0252**	**0.0271**	**0.0461**	**0.0712**
Perfluorooctanoic acid (PFOA)	**0.0067**	UG/L	**0.0192**	**0.0211**	**0.0661**	**0.067**
Perfluoropentanoic Acid (PFPeA)	--	UG/L	0.0133	0.00632	0.0526	0.0551
Perfluorotetradecanoic acid (PFTA)	--	UG/L	0.00177 U	0.00169 U	0.00179 U	0.0197 U
Perfluorotridecanoic Acid (PFTriA)	--	UG/L	0.00177 U	0.00169 U	0.00179 U	0.0197 U
Perfluoroundecanoic Acid (PFUnA)	--	UG/L	0.00048 J	0.00169 U	0.00779	0.0197 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	--	UG/L	0.00111 J	0.00254 U	0.0144	0.0295 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	UG/L	0.00239 J	0.00423 U	0.037	0.0492 U

Table 12. Summary of Volatile Organic Compounds and Methane in Soil Vapor, 1612 5th Avenue, Bay Shore, New York

Sample Designation:		SV-1	SV-2	SV-3	SV-4
Sample Date:		02/02/2022	02/02/2022	02/02/2022	02/02/2022
Parameter	Units				
1,1,1-Trichloroethane (TCA)	UG/M3	1.09 U	1.09 U	1.09 U	1.09 U
1,1,2,2-Tetrachloroethane	UG/M3	1.37 U	1.37 U	1.37 U	1.37 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/M3	1.53 U	1.53 U	1.53 U	1.53 U
1,1,2-Trichloroethane	UG/M3	1.09 U	1.09 U	1.09 U	1.09 U
1,1-Dichloroethane	UG/M3	0.809 U	0.809 U	0.809 U	0.809 U
1,1-Dichloroethene	UG/M3	0.793 U	0.793 U	0.793 U	0.793 U
1,2,4-Trichlorobenzene	UG/M3	1.48 U	1.48 U	1.48 U	1.48 U
1,2,4-Trimethylbenzene	UG/M3	0.983 U	**21.6**	**29.4**	**22.3**
1,2-Dibromoethane (Ethylene Dibromide)	UG/M3	1.54 U	1.54 U	1.54 U	1.54 U
1,2-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	UG/M3	0.809 U	0.809 U	0.809 U	0.809 U
1,2-Dichloropropane	UG/M3	0.924 U	0.924 U	0.924 U	0.924 U
1,2-Dichlorotetrafluoroethane	UG/M3	**3.32**	1.4 U	1.4 U	1.4 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	**5.8**	**5.6**	**7.57**	**5.9**
1,3-Butadiene	UG/M3	**0.931**	0.442 U	**1.65**	**1.38**
1,3-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dioxane (P-Dioxane)	UG/M3	0.721 U	0.721 U	0.721 U	0.721 U
2,2,4-Trimethylpentane	UG/M3	0.934 U	0.934 U	**5.89**	**24.1**
2-Hexanone	UG/M3	**14.3**	**24.8**	**45.1**	**17**
4-Ethyltoluene	UG/M3	**7.33**	**6.64**	**10.1**	**7.92**
Acetone	UG/M3	**80.5**	**72.9**	**83.4**	**44.7**
Allyl Chloride (3-Chloropropene)	UG/M3	0.626 U	0.626 U	0.626 U	0.626 U
Benzene	UG/M3	**9.71**	**2.4**	**6.17**	**8.37**
Benzyl Chloride	UG/M3	1.04 U	1.04 U	1.04 U	1.04 U
Bromodichloromethane	UG/M3	1.34 U	1.34 U	1.34 U	1.34 U
Bromoform	UG/M3	2.07 U	2.07 U	2.07 U	2.07 U
Bromomethane	UG/M3	0.777 U	0.777 U	0.777 U	0.777 U
Carbon Disulfide	UG/M3	**54.5**	0.623 U	**11.7**	**5.48**
Carbon Tetrachloride	UG/M3	1.26 U	1.26 U	1.26 U	1.26 U
Chlorobenzene	UG/M3	0.921 U	0.921 U	0.921 U	0.921 U
Chloroethane	UG/M3	0.528 U	0.528 U	0.528 U	0.528 U
Chloroform	UG/M3	0.977 U	**1.01**	0.977 U	**19.6**
Chloromethane	UG/M3	**0.487**	0.413 U	**0.805**	**0.593**
Cis-1,2-Dichloroethylene	UG/M3	0.793 U	0.793 U	0.793 U	0.793 U
Cis-1,3-Dichloropropene	UG/M3	0.908 U	0.908 U	0.908 U	0.908 U

Table 12. Summary of Volatile Organic Compounds and Methane in Soil Vapor, 1612 5th Avenue, Bay Shore, New York

Sample Designation:		SV-1	SV-2	SV-3	SV-4
Sample Date:		02/02/2022	02/02/2022	02/02/2022	02/02/2022
Parameter	Units				
Cyclohexane	UG/M3	**65.1**	0.688 U	**3.68**	**2.27**
Dibromochloromethane	UG/M3	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	UG/M3	**1.9**	**3.61**	**2.92**	**2.5**
Ethanol	UG/M3	**25.4**	**29.4**	**44.7**	**39.4**
Ethyl Acetate	UG/M3	1.8 U	1.8 U	1.8 U	1.8 U
Ethylbenzene	UG/M3	**13.6**	**13.3**	**21.6**	**15.9**
Hexachlorobutadiene	UG/M3	2.13 U	2.13 U	2.13 U	2.13 U
Isopropanol	UG/M3	**2.75**	**8.87**	**2.7**	1.23 U
m,p-Xylene	UG/M3	**50.4**	**50.8**	**79.5**	**57.3**
Methane	PERCENT	**67.2**	0.159 U	0.164 U	0.149 U
Methyl Ethyl Ketone (2-Butanone)	UG/M3	**321**	**383**	**522**	**199**
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	UG/M3	**2.88**	**3.49**	**35.8**	**15.2**
Methylene Chloride	UG/M3	1.74 U	1.74 U	1.74 U	1.74 U
N-Heptane	UG/M3	**36.2**	**5.74**	**11.8**	**19.6**
N-Hexane	UG/M3	**62**	**5.15**	**12.4**	**12.1**
O-Xylene (1,2-Dimethylbenzene)	UG/M3	**20.2**	**17.2**	**26.8**	**19.2**
Styrene	UG/M3	0.852 U	0.852 U	0.852 U	0.852 U
Tert-Butyl Alcohol	UG/M3	1.52 U	1.52 U	**3.79**	**1.55**
Tert-Butyl Methyl Ether	UG/M3	0.721 U	0.721 U	0.721 U	0.721 U
Tetrachloroethylene (PCE)	UG/M3	1.36 U	**3.16**	**2.8**	1.36 U
Tetrahydrofuran	UG/M3	1.47 U	1.47 U	1.47 U	1.47 U
Toluene	UG/M3	**119**	**39.2**	**66.7**	**56.5**
Trans-1,2-Dichloroethene	UG/M3	0.793 U	0.793 U	0.793 U	0.793 U
Trans-1,3-Dichloropropene	UG/M3	0.908 U	0.908 U	0.908 U	0.908 U
Trichloroethylene (TCE)	UG/M3	1.07 U	1.07 U	1.07 U	1.07 U
Trichlorofluoromethane	UG/M3	1.12 U	**3.82**	**24**	**1.26**
Vinyl Bromide	UG/M3	0.874 U	0.874 U	0.874 U	0.874 U
Vinyl Chloride	UG/M3	0.511 U	0.511 U	0.511 U	0.511 U

Table 13. Summary of Volatile Organic Compounds in Drywell Sediment, 1612 5th Avenue, Bay Shore, New York

Parameters	Suffolk County Cleanup Objectives	Suffolk County Action Levels	Units	Sample Designation: SD-1 Sample Date: 02/11/2022	SD-2 02/11/2022	SD-3 02/11/2022	SD-4 02/11/2022	SD-5 02/11/2022	SD-6 02/11/2022
1,1,1,2-Tetrachloroethane	0.3	0.6	MG/KG	0.0011 U	0.00063 U	0.001 U	0.00066 U	0.00062 U	0.00064 U
1,1,1-Trichloroethane (TCA)	0.7	1.4	MG/KG	0.0011 U	0.00063 U	0.001 U	0.00066 U	0.00062 U	0.00064 U
1,1,2,2-Tetrachloroethane	0.4	0.8	MG/KG	0.0011 U	0.00063 U	0.001 U	0.00066 U	0.00062 U	0.00064 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	6	12	MG/KG	0.009 U	0.005 U	0.0085 U	0.0053 U	0.005 U	0.0051 U
1,1,2-Trichloroethane	0.1	0.2	MG/KG	0.0022 U	0.0013 U	0.0021 U	0.0013 U	0.0012 U	0.0013 U
1,1-Dichloroethane	0.3	0.6	MG/KG	0.0022 U	0.0013 U	0.0021 U	0.0013 U	0.0012 U	0.0013 U
1,1-Dichloroethene	0.3	0.6	MG/KG	0.0022 U	0.0013 U	0.0021 U	0.0013 U	0.0012 U	0.0013 U
1,1-Dichloropropene	0.1	0.2	MG/KG	0.0011 U	0.00063 U	0.001 U	0.00066 U	0.00062 U	0.00064 U
1,2,3-Trichlorobenzene	8.3	17	MG/KG	0.00089 J	0.0025 U	0.0042 U	0.0027 U	0.0025 U	0.0026 U
1,2,3-Trichloropropane	0.05	0.1	MG/KG	0.0045 U	0.0025 U	0.0042 U	0.0027 U	0.0025 U	0.0026 U
1,2,4,5-Tetramethylbenzene	8.8	18	MG/KG	0.0006 J	0.0025 U	0.0042 U	0.0027 U	0.00094 J	0.0026 U
1,2,4-Trichlorobenzene	8.3	17	MG/KG	0.00087 J	0.0025 U	0.0042 U	0.0027 U	0.0025 U	0.0026 U
1,2,4-Trimethylbenzene	3.6	7.2	MG/KG	0.0015 J	0.0025 U	0.00076 J	0.0027 U	0.0017 J	0.0026 U
1,2-Dibromo-3-Chloropropane	0.05	0.1	MG/KG	0.0067 U	0.0038 U	0.0064 U	0.004 U	0.0037 U	0.0038 U
1,2-Dibromoethane (Ethylene Dibromide)	0.3	0.6	MG/KG	0.0022 U	0.0013 U	0.0021 U	0.0013 U	0.0012 U	0.0013 U
1,2-Dichlorobenzene	1.1	2.2	MG/KG	0.0045 U	0.0025 U	0.0042 U	0.0027 U	0.0025 U	0.0026 U
1,2-Dichloroethane	0.05	0.1	MG/KG	0.0022 U	0.0013 U	0.0021 U	0.0013 U	0.0012 U	0.0013 U
1,2-Dichloropropane	0.05	0.1	MG/KG	0.0022 U	0.0013 U	0.0021 U	0.0013 U	0.0012 U	0.0013 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	16.8	MG/KG	0.00092 J	0.0025 U	0.0042 U	0.0027 U	0.00075 J	0.0026 U
1,3-Dichlorobenzene	2.4	4.8	MG/KG	0.0045 U	0.0025 U	0.0042 U	0.0027 U	0.0025 U	0.0026 U
1,3-Dichloropropane	0.3	0.6	MG/KG	0.0045 U	0.0025 U	0.0042 U	0.0027 U	0.0025 U	0.0026 U
1,4-Dichlorobenzene	1.8	3.6	MG/KG	0.00058 J	0.0025 U	0.00036 J	0.00024 J	0.00029 J	0.0026 U
1,4-Diethyl Benzene	26	52	MG/KG	0.001 J	0.0025 U	0.0042 U	0.0027 U	0.0021 J	0.0026 U
2,2-Dichloropropane	0.3	0.6	MG/KG	0.0045 U	0.0025 U	0.0042 U	0.0027 U	0.0025 U	0.0026 U
2-Chloroethyl Vinyl Ether	0.5	1	MG/KG	0.045 U	0.025 U	0.042 U	0.027 U	0.025 U	0.026 U
2-Chlorotoluene	--	--	MG/KG	0.0045 U	0.0025 U	0.0042 U	0.0027 U	0.0025 U	0.0026 U
2-Hexanone	6.7	13	MG/KG	0.022 U	0.013 U	0.021 U	0.013 U	0.012 U	0.013 U
4-Chlorotoluene	--	--	MG/KG	0.0045 U	0.0025 U	0.0042 U	0.0027 U	0.0025 U	0.0026 U
4-Ethyltoluene	4.5	9	MG/KG	0.001 J	0.0025 U	0.0042 U	0.0027 U	0.00076 J	0.0026 U
Acetone	--	--	MG/KG	0.24	0.013 U	0.37	0.12	0.07	0.013 U
Acrolein	0.05	0.1	MG/KG	0.056 U	0.032 U	0.053 U	0.033 U	0.031 U	0.032 U
Acrylonitrile	0.05	0.1	MG/KG	0.009 U	0.005 U	0.0085 U	0.0053 U	0.005 U	0.0051 U
Allyl Chloride (3-Chloropropene)	0.2	0.4	MG/KG	0.011 U	0.0063 U	0.01 U	0.0066 U	0.0062 U	0.0064 U

Table 13. Summary of Volatile Organic Compounds in Drywell Sediment, 1612 5th Avenue, Bay Shore, New York

Parameters	Suffolk County Cleanup Objectives	Suffolk County Action Levels	Units	Sample Designation: SD-1 Sample Date: 02/11/2022	SD-2 02/11/2022	SD-3 02/11/2022	SD-4 02/11/2022	SD-5 02/11/2022	SD-6 02/11/2022
Benzene	0.06	0.12	MG/KG	0.0011 U	0.00063 U	0.001 U	0.00066 U	0.00062 U	0.00064 U
Bromobenzene	1.4	2.8	MG/KG	0.0045 U	0.0025 U	0.0042 U	0.0027 U	0.0025 U	0.0026 U
Bromochloromethane	0.2	0.4	MG/KG	0.0045 U	0.0025 U	0.0042 U	0.0027 U	0.0025 U	0.0026 U
Bromodichloromethane	2.3	4.6	MG/KG	0.0011 U	0.00063 U	0.001 U	0.00066 U	0.00062 U	0.00064 U
Bromoform	6.3	13	MG/KG	0.009 U	0.005 U	0.0085 U	0.0053 U	0.005 U	0.0051 U
Carbon Disulfide	2.8	5.6	MG/KG	0.017 J	0.013 U	0.021 U	0.013 U	0.0084 J	0.013 U
Carbon Tetrachloride	0.8	1.6	MG/KG	0.0022 U	0.0013 U	0.0021 U	0.0013 U	0.0012 U	0.0013 U
Chlorobenzene	1.1	2.2	MG/KG	0.0011 U	0.00063 U	0.001 U	0.00066 U	0.00062 U	0.00064 U
Chloroethane	0.2	0.4	MG/KG	0.0045 U	0.0025 U	0.0042 U	0.0027 U	0.0025 U	0.0026 U
Chloroform	0.4	0.8	MG/KG	0.0034 U	0.0019 U	0.0032 U	0.002 U	0.0019 U	0.0019 U
Chloromethane	0.05	0.1	MG/KG	0.009 U	0.005 U	0.0085 U	0.0053 U	0.005 U	0.0051 U
Cis-1,2-Dichloroethylene	0.25	0.5	MG/KG	0.0022 U	0.0013 U	0.0021 U	0.0013 U	0.0012 U	0.0013 U
Cis-1,3-Dichloropropene	0.05	0.1	MG/KG	0.0011 U	0.00063 U	0.001 U	0.00066 U	0.00062 U	0.00064 U
Cis-Decahydronaphthalene	100	200	MG/KG	0.011 U	0.0063 U	0.01 U	0.0066 U	0.0062 U	0.0064 U
Cymene	11	22	MG/KG	0.0009 J	0.0013 U	0.00084 J	0.00073 J	0.0035	0.0013 U
Dibromochloromethane	3.1	6.2	MG/KG	0.0022 U	0.0013 U	0.0021 U	0.0013 U	0.0012 U	0.0013 U
Dibromomethane	0.2	0.4	MG/KG	0.0045 U	0.0025 U	0.0042 U	0.0027 U	0.0025 U	0.0026 U
Dichlorodifluoromethane	0.3	0.6	MG/KG	0.022 U	0.013 U	0.021 U	0.013 U	0.012 U	0.013 U
Diethyl Ether (Ethyl Ether)	0.3	0.6	MG/KG	0.0045 U	0.0025 U	0.0042 U	0.0027 U	0.0025 U	0.0026 U
Ethylbenzene	1	2	MG/KG	0.0011 J	0.0013 U	0.00064 J	0.0003 J	0.00035 J	0.0013 U
Hexachlorobutadiene	27	54	MG/KG	0.009 U	0.005 U	0.0085 U	0.0053 U	0.005 U	0.0051 U
Isopropylbenzene (Cumene)	4.7	9.4	MG/KG	0.00053 J	0.0013 U	0.0003 J	0.00015 J	0.00018 J	0.0013 U
m,p-Xylene	--	--	MG/KG	0.0013 J	0.0025 U	0.0042 U	0.0027 U	0.00072 J	0.0026 U
Methyl Ethyl Ketone (2-Butanone)	0.2	0.4	MG/KG	0.058	0.013 U	0.088	0.029	0.016	0.013 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.7	1.4	MG/KG	0.022 U	0.013 U	0.021 U	0.013 U	0.012 U	0.013 U
Methyl Methacrylate	0.7	1.4	MG/KG	0.011 U	0.0063 U	0.01 U	0.0066 U	0.0062 U	0.0064 U
Methylene Chloride	0.05	0.1	MG/KG	0.011 U	0.0063 U	0.01 U	0.0066 U	0.0062 U	0.0064 U
Naphthalene	12	24	MG/KG	0.0026 J	0.005 U	0.0016 J	0.0053 U	0.0014 J	0.0051 U
N-Butyl Acetate	10	20	MG/KG	0.011 U	0.0063 U	0.01 U	0.0066 U	0.0062 U	0.0064 U
N-Butylbenzene	5.9	12	MG/KG	0.0022 U	0.0013 U	0.0021 U	0.0013 U	0.00042 J	0.0013 U
N-Decane	100	200	MG/KG	0.0022 J	0.0063 U	0.0009 J	0.0066 U	0.0008 J	0.0064 U
N-Hexane	--	--	MG/KG	0.0029 J	0.0063 U	0.0011 J	0.00067 J	0.00099 J	0.0064 U
N-Nonane	100	200	MG/KG	0.00092 J	0.0063 U	0.00044 J	0.00023 J	0.00058 J	0.0064 U

Table 13. Summary of Volatile Organic Compounds in Drywell Sediment, 1612 5th Avenue, Bay Shore, New York

Parameters	Suffolk County Cleanup Objectives	Suffolk County Action Levels	Units	Sample Designation: SD-1 Sample Date: 02/11/2022	SD-2 02/11/2022	SD-3 02/11/2022	SD-4 02/11/2022	SD-5 02/11/2022	SD-6 02/11/2022
N-Octane	100	200	MG/KG	0.004 J	0.0063 U	0.0014 J	0.00039 J	0.0024 J	0.0064 U
N-Propylbenzene	4	8	MG/KG	0.0022 U	0.0013 U	0.0021 U	0.0013 U	0.0012 U	0.0013 U
N-Undecane	100	200	MG/KG	0.0024 J	0.0063 U	0.00077 J	0.00039 J	0.00093 J	0.0064 U
O-Xylene (1,2-Dimethylbenzene)	--	--	MG/KG	0.00072 J	0.0013 U	0.0021 U	0.0013 U	0.00047 J	0.0013 U
Sec-Butylbenzene	5.9	12	MG/KG	0.0014 J	0.0013 U	0.00037 J	0.0002 J	0.0012 U	0.0013 U
Styrene	4.6	9.2	MG/KG	0.00075 J	0.0003 J	0.00057 J	0.00029 J	0.00028 J	0.00029 J
T-Butylbenzene	5.9	12	MG/KG	0.0045 U	0.0025 U	0.0042 U	0.0027 U	0.0025 U	0.0026 U
Tert-Butyl Methyl Ether	0.1	0.2	MG/KG	0.0045 U	0.0025 U	0.0042 U	0.0027 U	0.0025 U	0.0026 U
Tetrachloroethylene (PCE)	1.3	2.6	MG/KG	0.0011 U	0.00063 U	0.001 U	0.00066 U	0.00062 U	0.00064 U
Tetrahydrofuran	1.1	2.2	MG/KG	0.009 U	0.005 U	0.0085 U	0.0053 U	0.005 U	0.0051 U
Toluene	1.5	3	MG/KG	0.0028	0.0013	0.002 J	0.0016	0.0038	0.00098 J
Trans-1,2-Dichloroethene	0.2	0.4	MG/KG	0.0034 U	0.0019 U	0.0032 U	0.002 U	0.0019 U	0.0019 U
Trans-1,3-Dichloropropene	0.05	0.1	MG/KG	0.0022 U	0.0013 U	0.0021 U	0.0013 U	0.0012 U	0.0013 U
Trichloroethylene (TCE)	0.5	1	MG/KG	0.0011 U	0.00063 U	0.001 U	0.00066 U	0.00062 U	0.00064 U
Trichlorofluoromethane	0.8	1.6	MG/KG	0.009 U	0.005 U	0.0085 U	0.0053 U	0.005 U	0.0051 U
Vinyl Acetate	0.3	0.6	MG/KG	0.022 U	0.013 U	0.021 U	0.013 U	0.012 U	0.013 U
Vinyl Chloride	0.05	0.1	MG/KG	0.0022 U	0.0013 U	0.0021 U	0.0013 U	0.0012 U	0.0013 U
Xylenes	1.6	3.2	MG/KG	0.002 J	0.0013 U	0.0021 U	0.0013 U	0.0012 J	0.0013 U

Table 14. Summary of Semivolatile Organic Compounds in Drywell Sediment, 1612 5th Avenue, Bay Shore, New York

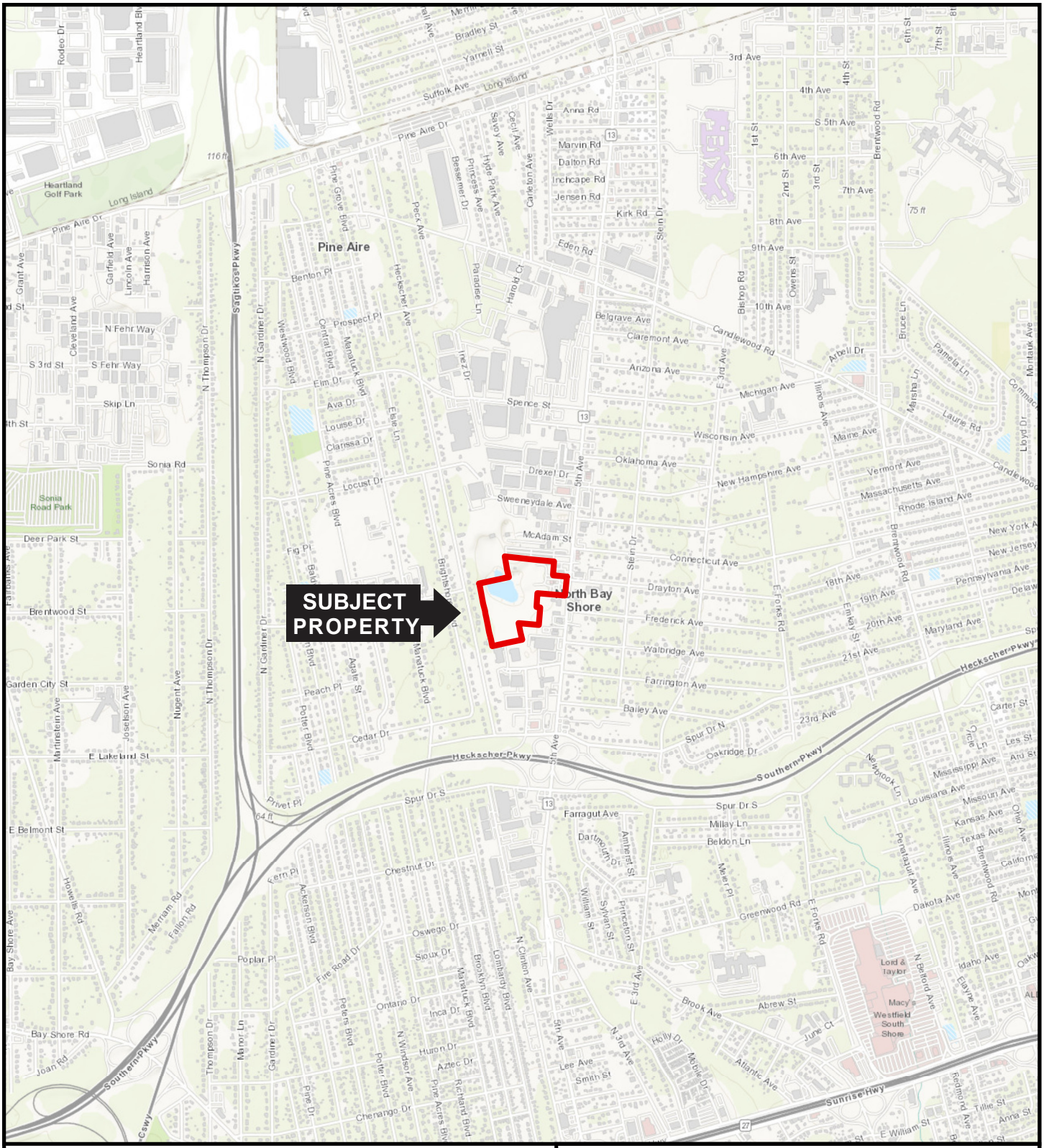
			Sample Designation:	SD-1	SD-2	SD-3	SD-4	SD-5	SD-6
			Sample Date:	02/11/2022	02/11/2022	02/11/2022	02/11/2022	02/11/2022	02/11/2022
Parameters	Suffolk County Cleanup Objectives	Suffolk County Action Levels	Units						
Acenaphthene	98	200	MG/KG	0.21 U	0.14 U	0.21 U	0.18 U	0.16 U	0.14 U
Anthracene	100	200	MG/KG	0.16 U	0.1 U	0.16 U	0.14 U	0.12 U	0.11 U
Benzo(A)Anthracene	1	2	MG/KG	0.2	0.022 J	0.038 J	0.046 J	0.15	0.027 J
Benzo(A)Pyrene	22	44	MG/KG	0.21	0.14 U	0.21 U	0.18 U	0.14 J	0.14 U
Benzo(B)Fluoranthene	1.7	3.4	MG/KG	0.38	0.034 J	0.062 J	0.08 J	0.26	0.048 J
Benzo(G,H,I)Perylene	100	200	MG/KG	0.19 J	0.024 J	0.036 J	0.046 J	0.12 J	0.026 J
Benzo(K)Fluoranthene	1.7	3.4	MG/KG	0.11 J	0.1 U	0.16 U	0.14 U	0.074 J	0.11 U
Chrysene	1	2	MG/KG	0.29	0.024 J	0.045 J	0.058 J	0.2	0.03 J
Dibenz(A,H)Anthracene	100	200	MG/KG	0.044 J	0.1 U	0.16 U	0.14 U	0.12 U	0.11 U
Fluoranthene	100	200	MG/KG	0.5	0.033 J	0.078 J	0.085 J	0.39	0.045 J
Fluorene	100	200	MG/KG	0.26 U	0.18 U	0.27 U	0.23 U	0.021 J	0.18 U
Hexachloroethane	11	22	MG/KG	0.011 U	0.0063 U	0.01 U	0.0066 U	0.0062 U	0.0064 U
Indeno(1,2,3-C,D)Pyrene	8	16	MG/KG	0.18 J	0.14 U	0.21 U	0.042 J	0.12 J	0.026 J
Nitrobenzene	0.05	0.1	MG/KG	0.011 U	0.0063 U	0.01 U	0.0066 U	0.0062 U	0.0064 U
Phenanthrene	100	200	MG/KG	0.21	0.1 U	0.04 J	0.037 J	0.22	0.11 U
Pyrene	100	200	MG/KG	0.37	0.03 J	0.071 J	0.083 J	0.29	0.04 J
Trans-Decahydro-Naphthalene	100	200	MG/KG	0.011 U	0.0063 U	0.01 U	0.0066 U	0.00015 J	0.0064 U

Table 15. Summary of Metals in Drywell Sediment, 1612 5th Avenue, Bay Shore, New York

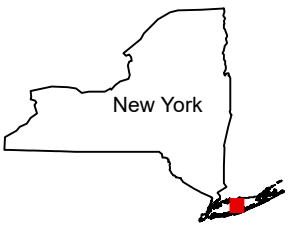
			Sample Designation:	SD-1	SD-2	SD-3	SD-4	SD-5	SD-6
			Sample Date:	02/11/2022	02/11/2022	02/11/2022	02/11/2022	02/11/2022	02/11/2022
Parameters	Suffolk County Cleanup Objectives	Suffolk County Action Levels	Units						
Arsenic	6	30	MG/KG	4.62	2.12	5.24	2.92	0.772	1.51
Barium	820	4000	MG/KG	135	6.72	86.3	49	19	16.7
Beryllium	47	240	MG/KG	0.301	0.19 J	0.38	0.223 J	0.084 J	0.098 J
Cadmium	7.5	40	MG/KG	0.511 J	0.058 J	0.338 J	0.244 J	0.054 J	0.41 U
Chromium, Total	**20**	100	MG/KG	**22.8**	14.1	**23**	13.2	6.55	6.41
Copper	1700	8500	MG/KG	38.4	5.48	42.3	23.8	7.47	5.18
Lead	450	2000	MG/KG	49.9	5.99	62.4	44.1	8.4	6.84
Mercury	0.7	3.7	MG/KG	0.093 J	0.068 U	0.144	0.099	0.079 U	0.068 U
Nickel	130	650	MG/KG	12.6	1.87	13.1	7.48	2.78	2.81
Silver	10	50	MG/KG	0.602 U	0.414 U	0.614 U	0.53 U	0.492 U	0.41 U

FIGURES

1. Site Location Map
2. Sampling Locations



QUADRANGLE LOCATION



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Title:

SITE LOCATION MAP

1612 5TH AVENUE
BAY SHORE, NEW YORK

Prepared for:

FIFTH XNY, LLC

ROUX

Compiled by: P.R.	Date: 02/03/22
Prepared by: M.S.R.	Scale: AS SHOWN
Project Mgr: J.M.	Project: 3900.0001Y000
File: 3900.0001Y101.1.mxd	

FIGURE 1

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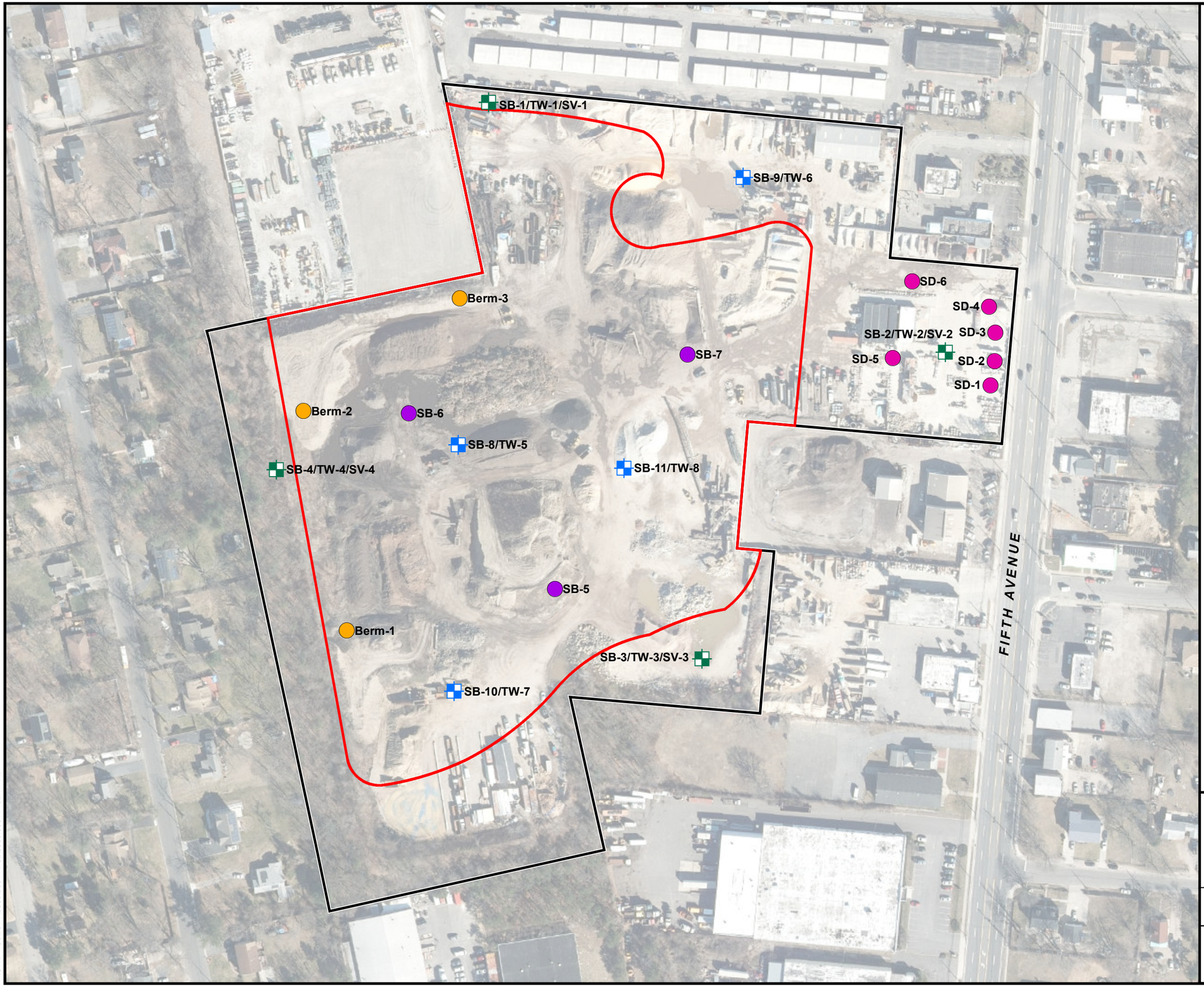

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LEGEND

- APPROXIMATE LOCATION OF LANDFILL SHALLOW SOIL SAMPLE
- APPROXIMATE LOCATION OF SOIL SAMPLED FROM BERM
- APPROXIMATE LOCATION OF SOIL BORING AND TEMPORARY MONITORING WELL
- APPROXIMATE LOCATION OF SOIL BORING, TEMPORARY MONITORING WELL, AND SOIL VAPOR POINT
- APPROXIMATE LOCATION OF SEDIMENT SAMPLE COLLECTED FROM DRYWELL
- APPRIXIMATE EXTENT OF HISTORIC LANDFILL
- SITE BOUNDARY

NOTES

1. THE PROPERTY BOUNDARY AND EXTENT OF LANDFILL ARE ESTIMATED BASED ON THE INFORMATION PROVIDED TO ROUX.
2. ALL SAMPLE LOCATIONS ARE APPROXIMATE

150 0 150'

Title:

SITE PLAN AND SAMPLING LOCATIONS

1612 5TH AVENUE,
BAY SHORE, NY

Prepared for:

FIFTH XNY, LLC

ROUX

Compiled by: J.M.	Date: 03/16/22	FIGURE
Prepared by: M.S.R.	Scale: AS SHOWN	2
Project Mgr: J.M.	Project: 3900.0001Y000	
File: 3900.0001Y102.1.mxd		

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APPENDICES

A. Soil Boring Logs
B. Laboratory Analytical Reports

APPENDIX A

Soil Boring Logs

BERM-1

Client: Fifth XNY, LLC	Site: 1612 5th Avenue	Project Number: 3900.0001Y000
Address: 1612 5th Avenue	City/State: Bay Shore, New York	Logged By: J. Michaels

Start to Finish Date: 3/3/2022 - 3/3/2022	Contractor: Roux	Drill Type: Hand Auger	Sampler Type/Method: 3" Hand Auger
Borehole Depth: 2 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
1	SWG		Brown, fine to medium SAND, some coarse Sand and fine to medium Gravel, trace coarse gravel; moist.	G	2	0.0	Collected soil grab sample BERM-1 from 0-2 ft bls and analyzed for TCL VOCs, SVOCs, Total Pesticides, TAL Metals and PCBs.

BERM-2

Client: Fifth XNY, LLC	Site: 1612 5th Avenue	Project Number: 3900.0001Y000
Address: 1612 5th Avenue	City/State: Bay Shore, New York	Logged By: J. Michaels

Start to Finish Date: 3/3/2022 - 3/3/2022	Contractor: Roux	Drill Type: Hand Auger	Sampler Type/Method: 3" Hand Auger
Borehole Depth: 2 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
1	SWG		Brown, fine to medium SAND, some coarse Sand and fine to medium Gravel, trace coarse gravel; moist.	G	2	0.0	Collected soil grab sample BERM-2 from 0-2 ft bls and analyzed for TCL VOCs, SVOCs, Total Pesticides, TAL Metals and PCBs.

BERM-3

Client: Fifth XNY, LLC	Site: 1612 5th Avenue	Project Number: 3900.0001Y000
Address: 1612 5th Avenue	City/State: Bay Shore, New York	Logged By: J. Michaels

Start to Finish Date: 3/3/2022 - 3/3/2022	Contractor: Roux	Drill Type: Hand Auger	Sampler Type/Method: 3" Hand Auger
Borehole Depth: 2 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
1	SWG		Brown, fine to medium SAND, some coarse Sand and fine to medium Gravel, trace coarse gravel; moist.	G	2	0.0	Collected soil grab sample BERM-3 from 0-2 ft bls and analyzed for TCL VOCs, SVOCs, Total Pesticides, TAL Metals and PCBs.

SB-1

Client: Fifth XNY, LLC	Site: 1612 5th Avenue	Project Number: 3900.0001Y000
Address: 1612 5th Avenue	City/State: Bay Shore, New York	Logged By: L. Jenkins

Start to Finish Date: 2/1/2022 - 2/1/2022	Contractor: Trinity	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 20 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
		Brown, fine to course SAND, some fine Gravel, Brick and Stone (FILL); moist	G	5	0.0	Hand cleared 0-5'bls. Full Recovery. Collected SB-1 (0-2) and analyzed for TCL VOCs, SVOCs, Total Pesticides, TAL Metals and PCBs.
5	MIXD			3.5	0.0	SV-1 installed at 5'bls and anaylzed for VOCs and Methane.
10	SW-SM	Brown, fine to course SAND, some silt, little fine to medium gravel; moist		3.5	0.0	Collected SB-1 (10-12) and analyzed for TCL VOCs, SVOCs, Total Pesticides, TAL Metals and PCBs.
15	SWG	Grey, fine to course SAND, some fine Gravel; wet			0.0	
	SP	Dark grey, fine to medium SAND, trace gravel; wet		4.5		Collected groundwater sample TW-1 and analyzed for TCL VOCs, TCL SVOCs. TAL Metals, TAL Dissolved Metals, PCBs, TLC Pesticides, and Emerging Contaminants.
20						

SB-10

Client: Fifth XNY, LLC	Site: 1612 5th Avenue	Project Number: 3900.0001Y000
Address: 1612 5th Avenue	City/State: Bay Shore, New York	Logged By: G.Asher

Start to Finish Date: 2/28/2022 - 2/28/2022	Contractor: ADT	Drill Type: Mud Rotary	Sampler Type/Method: 2" Split Spoon
Borehole Depth: 12 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
0	SWG		Brown, fine to course SAND, some gravel; moist.		2	0.0	Collected SB-10 (0-2) and analyzed for TCL VOCs, SVOCs, Total Pesticides, TAL Metals and PCBs
10	MIXD		Dark Brown, wood and much, little loamy Sand (FILL); moist.		2	0.0	Collected SB-10 (10-12) and analyzed for TCL VOCs, SVOCs, Total Pesticides, TAL Metals and PCBs

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SB-11

Client: Fifth XNY, LLC	Site: 1612 5th Avenue	Project Number: 3900.0001Y000
Address: 1612 5th Avenue	City/State: Bay Shore, New York	Logged By: G.Asher

Start to Finish Date: 3/1/2022 - 3/1/2022	Contractor: ADT	Drill Type: Mud Rotary	Sampler Type/Method: 2" Split Spoon
Borehole Depth: 14 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	SWG		Brown, fine to course SAND, some gravel; moist.		2	0.0	Collected soil grab sample SB-11 (1-3) and analyzed for TCL VOCs, SVOCs, Total Pesticides, TAL Metals and PCBs.
5							
10			No Recovery.		0		
	MIXD		No Recovery.		0		

SB-2

Client: Fifth XNY, LLC	Site: 1612 5th Avenue	Project Number: 3900.0001Y000
Address: 1612 5th Avenue	City/State: Bay Shore, New York	Logged By: L. Jenkins

Start to Finish Date: 2/1/2022 - 2/1/2022	Contractor: Trinity	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 35 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	CONC		CONCRETE.			0.0	Hand cleared 0-5'bls. Full Recovery. Collected soil grab sample SB-2 (0-2) and analyzed for TCL VOCs, SVOCs, Total Pesticides, TAL Metals and PCBs
	SW-SM		Brown, fine to course SAND, some Silt, trace cobble; moist	G	5		
5	SW		Reddish brown, fine to course SAND, trace gravel; moist			0.0	SV-2 installed at 5'bls and anaylzed for VOCs and Methane
	ML		Grey, SILT, little Clay; moist				
	SW		Brown to light brown, more SAND, trace cobble; moist		3.5		
10			Light brown, medium to course SAND, trace cobble; moist			0.0	Collected soil grab sample SB-2 (10-12) and analyzed for TCL VOCs, SVOCs, Total Pesticides, TAL Metals and PCBs
					3.5		
15						0.0	Groundwater encountered at 14'bls
					3		
20						0.0	
	SP				3.5		
25						0.0	Collected groundwater sample TW-2 and analyzed for TCL VOCs, TCL SVOCs. TAL Metals, TAL Dissolved Metals, PCBs and TLC Pesticides
					3.5		
30						0.0	
					3.5		

SB-3

Client: Fifth XNY, LLC	Site: 1612 5th Avenue	Project Number: 3900.0001Y000
Address: 1612 5th Avenue	City/State: Bay Shore, New York	Logged By: L. Jenkins

Start to Finish Date: 2/1/2022 - 2/2/2022	Contractor: Trinity	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 24 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Dark brown, fine to course SAND, little Gravel, trace brick and concrete (FILL); moist	G	5	0.0	Hand cleared to 0-5'bls. Full Recovery. Collected soil grab sample SB-3 (0-2) and analyzed for TCL VOCs, SVOCs, Total Pesticides, TAL Metals and PCBs.
5	MIXD		Grey to dark grey, fine to course SAND, little Silt, trace brick and concrete (FILL); moist		3.5	0.0	SV-3 installed at 5' bls and anaylzed for VOCs and Methane.
	MIXD		Dark grey, fine to course SAND, little Wood, trace silt and brick (FILL); wet				
10	MIXD		Grey, fine to course GRAVEL some fine to course Sand, trace brick (FILL); wet			0.0	Collected soil grab sample SB-3 (10-12) and analyzed for TCL VOCs, SVOCs, Total Pesticides, TAL Metals and PCBs.
	MIXD		Dark grey, fine to course SAND, little Wood, trace silt and brick (FILL); wet		3.5	0.0	
15	MIXD		Grey to dark grey, fine to course SAND, trace concrete and silt			0.0	Groundwater encountered at 14'bls.
	MIXD		Dark grey, fine to course SAND, some Wood, trace garbage (garbage bag wrappers) (FILL); wet		2	1.8	
20	MIXD		Dark grey, fine to course SAND, some Wood, trace garbage (garbage bag wrappers) (FILL); wet		0.5	0.0	Collected groundwater sample TW-3 and analyzed for TCL VOCs, TCL SVOCs, TAL Metals, PCBs, TLC Pesticides, and Emerging Contaminants. Refusal encountered 24' bls.

SB-4

Client: Fifth XNY, LLC	Site: 1612 5th Avenue	Project Number: 3900.0001Y000
Address: 1612 5th Avenue	City/State: Bay Shore, New York	Logged By: L. Jenkins

Start to Finish Date: 2/2/2022 - 2/2/2022	Contractor: Trinity	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 25 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Dark brown, fine to course SAND, little Silt, trace organics and brick (FILL); moist	G	5	0.0	Hand cleared 0-5'bls. Full Recovery. Collected soil grab sample SB-4 (0-2) and analyzed for TCL VOCs, SVOCs, Total Pesticides, TAL Metals and PCBs.
	MIXD		Grey, fine to course SAND, little Gravel, trace brick and concrete (FILL); moist				
5	MIXD		Dark grey, fine to medium SAND, little Silt, trace wood and brick (FILL); wet		2	0.0	
10	MIXD		Dark brown, fine to medium SAND, trace brick, wood (FILL); moist		3.5	0.0	Collected soil grab sample SB-4 (10-12) and analyzed for TCL VOCs, SVOCs, Total Pesticides, TAL Metals and PCBs.
15			Dark grey, fine to medium SAND, some Silt, trace wood and clay (FILL); wet		3.5	3.5	Groundwater encountered at 14'bls
20	MIXD				2	0.0	Collected groundwater sample TW-4 and analyzed for TCL VOCs, TCL SVOCs, TAL Metals, PCBs, TLC Pesticides, and Emerging Contaminants.

SB-5

Client: Fifth XNY, LLC	Site: 1612 5th Avenue	Project Number: 3900.0001Y000
Address: 1612 5th Avenue	City/State: Bay Shore, New York	Logged By: L. Jenkins

Start to Finish Date: 2/2/2022 - 2/2/2022	Contractor: Trinity	Drill Type: Hand Auger	Sampler Type/Method: 3" Hand Auger
Borehole Depth: 2 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
1	MIXD		Dark brown, fine to course SAND, little silt, trace gravel and brick (FILL); moist	G	2	0	Hand cleared 0-2'bls. Collected SB-5 (0-2) and analyzed for TCL VOCs, SVOCs, Total Pesticides, TAL Metals and PCBs.

SB-6

Client: Fifth XNY, LLC	Site: 1612 5th Avenue	Project Number: 3900.0001Y000
Address: 1612 5th Avenue	City/State: Bay Shore, New York	Logged By: L. Jenkins

Start to Finish Date: 2/2/2022 - 2/2/2022	Contractor: Trinity	Drill Type: Hand Auger	Sampler Type/Method: 3" Hand Auger
Borehole Depth: 2 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
1	MIXD		Dark brown, fine to course SAND, little silt, trace gravel and brick (FILL); moist	G	2	0.0	Hand cleared 0-2'bls. Collected soil grab sample SB-6 (0-2) and analyzed for TCL VOCs, SVOCs, Total Pesticides, TAL Metals and PCBs.

SB-7

Client: Fifth XNY, LLC	Site: 1612 5th Avenue	Project Number: 3900.0001Y000
Address: 1612 5th Avenue	City/State: Bay Shore, New York	Logged By: L. Jenkins

Start to Finish Date: 2/2/2022 - 2/2/2022	Contractor: Trinity	Drill Type: Hand Auger	Sampler Type/Method: 3" Hand Auger
Borehole Depth: 2 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
1	MIXD		Dark brown, fine to course SAND, little silt, trace gravel and brick (FILL); moist	G	2	0	Hand cleared 0-2'bls. Collected soil grab sample SB-7 (0-2) and analyzed for TCL VOCs, SVOCs, Total Pesticides, TAL Metals and PCBs.

SB-8

Client: Fifth XNY, LLC	Site: 1612 5th Avenue	Project Number: 3900.0001Y000
Address: 1612 5th Avenue	City/State: Bay Shore, New York	Logged By: G.Asher

Start to Finish Date: 2/9/2022 - 2/11/2022	Contractor: ADT	Drill Type: Mud Rotary	Sampler Type/Method: 2" Split Spoon
Borehole Depth: 52 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to course SAND, some fine to medium Gravel and Mulch, little brick (FILL); moist		1	0.0	Hand cleared 0-5'bls. Collected soil sample SB-8 (0-2) and analyzed for TCL VOCs, SVOCs, Total Pesticides, TAL Metals and PCBs.
	MIXD		Brown, fine to course SAND, some fine to medium Gravel, little brick (FILL); moist		2	0.0	
5	MIXD		Brown, medium to course SAND, some medium Gravel, trace brick (FILL); moist		2	0.0	
	MIXD		Brown, medium to course SAND, some wood and mulch (FILL), trace brick; wet		2	0.0	
	MIXD		Brown, wood and mulch (FILL), some medium to course Sand, trace gravel; wet		1	0.0	
10			No Recovery.		1	0.1	
	MIXD		Brown, wood and mulch (FILL), some brown loamy Sand, trace gravel; moist		1	0.1	Collected soil sample SB-8 (12-14) and analyzed for TCL VOCs, SVOCs, Total Pesticides, TAL Metals and PCBs.
15	MIXD		Brown, wood and mulch (FILL), some brown loamy Sand, trace gravel; wet		1	0.0	
	MIXD		Brown, wood and mulch (FILL), trace dark brown loamy sand; wet		0.25	0.0	
			No recovery		0	0.0	
20	MIXD		Brown, wood and mulch, some dark brown loamy Sand (FILL); wet		1	0.1	
25			No Recovery.		0	0.0	
30	MIXD		Brown, wood and mulch, some dark brown loamy Sand (FILL); wet		2	0.0	
35							
40	MIXD		Brown, wood and mulch, some dark brown loamy Sand (FILL); wet		2	0.0	
45							
50	MIXD		Brown, wood and mulch, some dark brown loamy Sand (FILL); wet		2	0.0	

SB-9

Client: Fifth XNY, LLC	Site: 1612 5th Avenue	Project Number: 3900.0001Y000
Address: 1612 5th Avenue	City/State: Bay Shore, New York	Logged By: G.Asher

Start to Finish Date: 2/16/2022 - 2/16/2022	Contractor: ADT	Drill Type: Mud Rotary	Sampler Type/Method: 2" Split Spoon
Borehole Depth: 25 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	SWG		Brown, fine to course SAND, some gravel; moist.		2	0.0	Collected soil sample SB-9 (0-2) and analyzed for TCL VOCs, SVOCs, Total Pesticides, TAL Metals and PCBs.
	MIXD		Dark Brown, wood and much, little loamy Sand (FILL); moist.		2	0.0	
5					2	0.0	
10	MIXD		Dark Brown, wood and much, little loamy Sand (FILL); moist.		2	0.0	Collected soil sample SB-9 (10-12) and analyzed for TCL VOCs, SVOCs, Total Pesticides, TAL Metals and PCBs.
15							
20							

APPENDIX B

Laboratory Analytical Reports