RECORDS SEARCH REPORT

PREPARED FOR

FORMER MANGROVE FEATHER FACTORY SITE
NYSDEC SITE #130251
47 BROADWAY, LYNBROOK, NEW YORK 11563

BY

FPM group™

640 JOHNSON AVENUE, SUITE 101
BOHEMIA, NY 11716

OCTOBER 2022

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SECTION 1.0
ENVIRONMENTAL INFORMATION

The section includes the available environmental information for the Site. Figures prepared for the Site Characterization Work Plan that summarize this information are included in Appendix A. Copies of the original data tables from these reports are included in Appendix B.

1.1 Site Environmental Setting

The surface topography of the Site and surrounding vicinity was obtained from the USGS Lynbrook, New York Quadrangle (1969), a portion of which is shown in Figure 1.1.1 at the end of this Section. The topographic elevation of the Site is about 19 feet above mean sea level (MSL) and the ground surface slopes gently to the southwest.

Previous subsurface investigations (discussed below) encountered yellowish-brown coarse to fine-grained sand with trace clayey silt beneath portions of the Site surface covered by concrete building slabs and/or pavement, which is consistent with the Site's location within an area of Pleistocene Upper Glacial Formation sand and gravel glacial outwash deposits. The Upper Glacial Formation extends to a depth of about 80 feet below the Site surface (USGS, 1963), below which the Cretaceous Magothy Formation is present. The Magothy Formation consists primarily of sand with interbeds of silt and clay. The Upper Glacial Formation and the Magothy Formation both contain fresh groundwater in the Site vicinity.

The regional groundwater flow direction in the Upper Glacial Aquifer in the Site vicinity (USGS, 2016) is generally southerly, with a slight easterly component, as shown on Figure 1.2.1 at the end of this Section. Further to the south the groundwater flow direction is expected to be more variable due to the presence of surface water bodies to which groundwater is understood to discharge.

The elevation of the water table surface in the Site vicinity was estimated to be about 7.5 feet above mean sea level (MSL) in 2016, as shown on Figure 1.2.1, which is about 11.5 feet below grade. Groundwater was encountered at approximately 9 feet below grade (an elevation of about 10 feet MSL) during prior investigations at the Site in 2018 and 2021; this discrepancy suggests that local rainfall conditions in the Site vicinity may affect the water table elevation.

There are no surface water bodies on or adjoining the Site. The closest surface water body is Grant Pond, which is approximately one mile to the southwest. The Mill River is just over one mile to the east and Hewlett Bay is approximately two miles to the south. These surface water bodies are separated from the Site by major roadways, the LIRR tracks, and multiple commercial and other uses in the Site vicinity.

1.2 Prior Investigation Data

Limited Phase II Investigation, 47 Broadway (2018)

A limited Phase II investigation was conducted in 2018 for the Site. This investigation included a ground-penetrating radar (GPR) survey in the accessible (exterior) areas of the Site, eight soil borings in exterior areas with soil and groundwater sampling, sub-slab soil and soil vapor sampling, indoor and outdoor air sampling, and sampling of an exterior drainage structure. The sampling locations are shown in Figure 2.2.1.1 (Appendix A) and copies of the associated data tables are included in Appendix B.

The investigation results are summarized as follows:

- The GPR survey identified an approximate 6-foot by 15-fool anomaly in the northwest portion of the Site consistent with a UST estimated to be 4,000 gallons in size. An associated fill port was accessed and minimal quantity of an oil/water mixture was identified. An anomaly associated with a possible buried drainage structure was identified near an exterior drain inlet.

- The exterior soil borings were extended to 10 feet below grade; no significant organic vapors were detected and there were no reported indications of potential contamination. One sample from each boring was tested for volatile and semivolatile organic compounds (VOCs and SVOCs) and Resource Conservation and Recovery Act (RCRA) metals, with the results compared to the 6 NYCRR Part 375 Soil Cleanup Objectives (SCOs). No VOCs, SVOCs, or metals (except for lead) were detected above the unrestricted use SCOs. Lead was detected in four of the samples above the unrestricted use SCO, but below the SCOs for residential use and protection of groundwater. The maximum lead detection was 320 milligrams per kilogram (mg/kg) at the B-3 location.

  One groundwater sample was collected from each of three soil borings, including one upgradient location (AQ-1) and two downgradient locations (AQ-2 and AQ-3), with testing for VOCs, SVOCs, and RCRA metals. Two VOCs, cis-1,2-dichloroethene (cis-1,2-DCE) and trichloroethene (TCE), were detected at the upgradient location at 9.48 micrograms per liter (ug/l) and 6.95 ug/l, respectively, which slightly exceed their NYSDEC Class GA Ambient Water Quality Standard (Standard) of 5 ug/l. No SVOCs were detected in the groundwater samples. The metals chromium and/or lead were detected in unfiltered samples from all locations at levels above their Standards. Filtered samples from the two downgradient locations exhibited exceedances of the Standards for lead and/or silver.

- The interior soil borings (S-1, S-2 and S-3) were extended to 1.5 feet below the finished concrete floor, which was two inches thick. No significant organic vapors were detected and there were no reported indications of potential contamination. One sample from each boring was tested for VOCs, SVOCs, and RCRA metals No VOCs were detected above the SCOs except for acetone, which exceeded the unrestricted use and protection of groundwater SCO in two samples but did not exceed the residential use SCO. No SVOCs or metals exceeded any SCOs.

- The results of the sub-slab vapor, indoor air and outdoor air were evaluated using New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006). The VOCs methylene chloride, TCE, and/or tetrachloroethene (PCE) were detected in the sub-slab vapor samples but were not detected in the indoor or outdoor air samples. The NYSDOH Guidance document indicates that mitigation for potential soil vapor intrusion (SVI) may be needed for the levels of TCE detected in the sub-slab vapor samples.

- The drainage structure sample (S-5) was tested for VOCs, SVOCs and RCRA metals, with the results compared to the USEPA Region 2 UIC Cleanup Objectives. None of the VOCs exceeded these Objectives, but several SVOCs and the metals arsenic, cadmium, lead and mercury exceeded the Objectives. Toxicity Characteristic Leaching Procedure (TCLP) testing was performed as needed, but none of the results exceeded TCLP limits.

Limited Phase II Investigation, 47 Broadway (2021)

A Limited Phase II investigation was conducted for the Site in late 2020, with the results reported in early 2021; this investigation included the main warehouse area of the Site, accessible exterior areas of the Site, and offsite sample locations generally upgradient and downgradient of the Site. The investigation included a GPR survey in the accessible exterior areas and the warehouse, 11 soil borings in exterior areas with soil sampling and limited groundwater sampling, and sampling of an exterior drainage structure. The sampling locations are shown in Figure 2.2.2.1 (Appendix A) and copies of the associated data tables are included in Appendix B (note: groundwater data in these tables were compared to NYCRR Part 703 groundwater discharge criteria. The discussion below compares the groundwater data to the NYSDEC Standards for Class GA Ambient groundwater, as required). The investigation results are summarized as follows:

- The GPR survey identified two anomalies consistent with a drywell and septic system in the paved alley behind the onsite building, and drain lines associated with the drywell. A fill port and vent pipe were also observed near the north end of the alleyway, but an associated UST was not identified by GPR.

  Soil borings were generally extended to about 10 feet below grade; the borings used for groundwater sampling extended somewhat deeper to between 11 and 13 feet below grade. One sample from each boring was tested for VOCs, SVOCs, and RCRA metals, with the results compared to the 6 NYCRR Part 375 SCOs. Sample depths ranged from 5.5 to 11 feet. No VOCs, SVOCs, or metals (except lead and mercury) were detected above the unrestricted use SCOs. Lead and mercury were detected in the SB-9 sample from the north end of the onsite alley. Lead at 511 mg/kg exceeded its SCO for restricted residential use and mercury at 0.19 mg/kg marginally exceeded its SCO for unrestricted use. No other SCO exceedances were identified. Of note, TCE and/or PCE were detected at very low levels in the SB-9 (upgradient) and SB-7 (sub-slab) soil samples. The detected concentrations were two to three orders of magnitude below the unrestricted use SCOs and the samples were collected from depths near or at the water table. These detections are aligned in the direction of groundwater flow and suggest that TCE and PCE from an upgradient source are migrating onto the Site in groundwater.

- One groundwater sample was collected from each of four temporary wells installed in soil borings, including one location on the upgradient side of the Site (SB-09), two locations in the (now former) warehouse (SB-6 and SB-7), and one location offsite on the downgradient side of the Site (SB-1), with testing for VOCs, SVOCs, and RCRA metals. As filtered samples were not collected for metals testing and the samples were collected from temporary wells, the metals results are suspect due to likely turbidity. One VOC, TCE was detected at SB-07 (beneath the former warehouse) at 23 ug/l, which is above its NYSDEC Standard of 5 ug/l. No exceedances of the NYSDEC Standards were noted for other VOCs or for any SVOCs. Several metals, including arsenic, chromium, lead, and/or mercury, were detected at all the locations at levels above the Standards. These exceedances are likely due to sample turbidity and are not representative of actual groundwater conditions.

- The drywell sample was tested for VOCs, SVOCs and RCRA metals, with the results compared to the NYSDEC SCOs. The VOC acetone exceeded its protection of groundwater SCO, two SVOCs exceeded their restricted residential use and/or protection of groundwater SCOs, and lead exceeded its restricted residential use SCO.

1.3 Remedial Information

The results from the prior investigations were used to develop and implement remedial activities to address the identified concerns and prepare the Site for redevelopment.

UICs

A UIC Closure Plan was submitted to and approved by the Nassau County Department of Health (NCDOH). This closure plan included a summary of the previous investigation results for the UICs (including test pits to identify the UICs), prior sampling results, and the proposed procedures to remediate the UICs. Samples results for all the UICs were compared to the NYSDEC SCOs or discharge to groundwater criteria, as appropriate; copies of the associated data tables are included at the end of this Section. The NCDOH required that one drywell be remediated with confirmatory sampling, and that the septic tank be pumped out. Remediation of Drywell-2 was not required. This Closure Plan was approved by the NCDOH.

The UICs (two drywells and a septic tank) were remediated and closed in August 2022 under NCDOH oversight and in accordance with the approved Closure Plan. Confirmatory sampling was conducted as required and no exceedances of the protection of groundwater SCOs were identified; a copy of the summary data table is included at the end of this Section. Manifests documenting proper disposal of the removed materials and the confirmatory sample results were provided to the NCDOH, which approved the completed UIC closures and issued a “no further action” letter on August 29, 2022. The remediated UIC structures were removed to a depth of 10 feet below grade and properly disposed offsite to facilitate redevelopment and the excavations were backfilled with clean fill.

Storage Tanks

UST and AST removals were conducted in 2022 in association with building demolition. The removals were conducted under NCDOH oversight and in accordance with NYSDEC DER-10 tank removal procedures. The following USTs and ASTs were removed from the Site: 1,000-gallon fuel oil UST, 550-gallon fuel oil UST, and two 275-gallon fuel oil ASTs

Prior to the UST removals a GPR survey was conducted in May 2022 and test pits were conducted under NCDOH observation to confirm the presence and condition of the USTs. In one instance a UST was discovered beneath the building foundation during demolition. Each UST and its associated piping and contents were removed, emptied, cleaned, and properly disposed offsite. Each excavation was observed by a NCDOH representative and no odors, staining, elevated PID readings, or other indications of potential releases were noted. No confirmatory sampling was required. The NCDOH completed tank removal verifications for each UST, copies of which are included in the memo summarizing this work.

The ASTs were removed, together with their contents and piping, and properly disposed offsite. The NCDOH was notified of the removals and provided tank removal verifications, copies of which are included in the provided memo.

All tanks identified on the Site are verified to have been removed with NCDOH oversight. No tank-related impacts were identified.

Asbestos Abatement

Asbestos abatement and associated project and air monitoring were conducted by CNS Environmental between April 20 and July 11, 2022 during demolition of the former onsite building. The abatement was completed by ENP Environmental, Inc., with the asbestos properly disposed offsite. The air monitoring results were reported to be below NYSDOL and NESHAP re-

occupancy regulation levels.

1.4 Summary and Discussion

Previous investigations of the Site have identified contaminants of potential concern, specifically chlorinated solvent compounds, in groundwater and soil vapor in limited areas of the Site. Groundwater data from the upgradient side of the Site suggest that there could be an offsite source. This possibility is supported by very low levels (well below applicable regulatory criteria) of TCE and/or PCE in the SB-9 (upgradient) and SB-7 (sub-slab) soil samples. These samples were collected from depths near or at the water table and their locations are aligned in the direction of groundwater flow, suggesting that TCE and PCE are migrating onto the Site from an upgradient source. No onsite hazardous waste generation, storage, disposal or releases have been identified.

Sub-slab soil vapor samples from the former onsite building contained several chlorinated solvents, including TCE at a level for which mitigation for potential SVI is indicated in NYSDOH guidance. TCE and other chlorinated solvents were not detected in the indoor air from the former building and no significant VOC detections were noted in the sub-slab soil. Chlorinated solvents have been detected in upgradient groundwater and it is possible that the soil vapors are sourced from migrating groundwater.

Several metals have been identified in groundwater samples from the Site; the reported detections in some cases exceed applicable groundwater criteria. However, these data are suspect as the samples were collected using direct push techniques and temporary wells, both of which typically result in elevated turbidity (suspended particulates) and detections of metals associated with the particulates.

Figure 2.4.1 in Appendix A summarizes the prior investigation data for soil, groundwater, and soil vapor.

All identified UICs, USTs, and ASTs have been properly removed in accordance with applicable regulatory criteria. No petroleum impacts were identified, and all UIC-related impacts have been fully remediated. No other potential source areas have been identified at this Site.

SECTION 2.0
REPORT LIST AND SUMMARY

This section lists all the existing relevant reports concerning the Site and includes a summary of each report. Details of the investigations and their results are included in Section 1. Copies of the referenced reports were previously provided to the NYSDEC and are not included herein.

Phase I Environmental Site Assessment, 47 Broadway, Lynbrook, NY, prepared by Soil Mechanics Environmental Services, September 2018.

This report includes a summary of the Site history, copies of agency records (Village of Lynbrook Building Department, Nassau County Department of Assessment, Nassau County Fire Marshal) obtained from file searches, photos of the exterior and interior of the Site buildings obtained in 2018, a Site and vicinity map, an environmental lien search, a city directory search, copies of Sanborn Fire Insurance maps from 1910 to 1969, aerial photos from 1946 to 2017, and historic and current topographic maps. Recognized Environmental Conditions (RECs) identified include historic use of the property by manufacturing companies, two 275-gallon fuel oil aboveground storage tanks (ASTs) in the boiler room, and suspect and historic underground storage tanks (USTs).

Limited Phase II Investigative Report, 47 Broadway, Lynbrook, NY prepared by Soil Mechanics Environmental Services, October 11, 2018.

This report documents an investigation that included a ground-penetrating radar (GPR) survey in the accessible (exterior) areas of the Site, eight soil borings in exterior areas with soil and groundwater sampling, sub-slab soil and soil vapor sampling, indoor and outdoor air sampling, and sampling of an exterior drainage structure. This investigation identified a UST in the northwest portion of the Site, lead in some soil samples, chlorinated solvents in upgradient groundwater and sub-slab vapor, and SVOCs and metals in a drainage structure.

Phase I Environmental Site Assessment, 47 Broadway, 17 & 21 Langdon Place, and 90 & 96 Station Plaza, Lynbrook, NY prepared by JM Sorge, February 2021.

This Phase I ESA includes the property that comprises the Site and additional offsite properties to the northwest. RECs identified for the Site are as follows:

- Historic uses by manufacturing companies with associated drainage structures
- A former AST outside the building
- Suspect and historic USTs (gasoline tank on southwest side, 10,000-gallon crude oil UST partially on property, 1,000-gallon tank installed 1950, suspect UST on north side, suspect UST on south side)

Limited Phase II Investigation, 47 Broadway, Lynbrook, NY prepared by JM Sorge, February 10, 2021

A Limited Phase II investigation was conducted for the Site in late 2020, with the results reported in early 2021; this investigation included the main warehouse area of the Site, accessible exterior areas of the Site, and offsite sample locations generally upgradient and downgradient of the Site. The investigation included a GPR survey in the accessible exterior areas and the warehouse, 11 soil borings in exterior areas with soil sampling and limited groundwater sampling, and sampling of an exterior drainage structure. The investigation details are summarized in Section 1.

NYSDEC Spill Report

A spill (#2201546) was reported to the NYSDEC due to the chlorinated solvent detections identified during the 2021 Phase II investigation. After NYSDEC's review of the data, the spill was closed and the Site referred to the NYSDEC's Division of Environmental Remediation.

Underground Injection Control Closure Plan, 47 Broadway, Lynbrook, NY prepared by JM Sorge. June 7, 2022.

An underground injection control (UIC) Closure Plan was submitted to and approved by the Nassau County Department of Health (NCDOH). This closure plan included a summary of the previous investigation results for the UICs (including test pits to identify the UICs), prior sampling results, and the proposed procedures to remediate the UICs. Samples results for all the UICs were compared to the NYSDEC SCOs or discharge to groundwater criteria, as appropriate. The NCDOH required that one drywell be remediated with confirmatory sampling, and that the septic tank be pumped out. Remediation of Drywell-2 was not required. This Closure Plan was approved by the NCDOH.

Memorandum: UST, UIC and AST Status Summary prepared by JM Sorge, August 30, 2022.

This memorandum includes a summary of the UST and AST removals that were conducted in 2022 in association with building demolition. The removals were conducted under NCDOH oversight and in accordance with NYSDEC DER-10 tank removal procedures. It should be noted that this Memorandum also includes documentation concerning tank removals for additional parcels that are part of the redevelopment project but are located offsite.

The following USTs and ASTs were removed from the Site:

- 1,000-gallon fuel oil UST
- 550-gallon fuel oil UST
- Two 275-gallon fuel oil ASTs

All tanks identified on the Site are verified to have been removed with NCDOH oversight. No tank-related impacts were identified.

Air Monitoring Compliance Report of 43-47 Broadway, 90 Saperstein Plaza, 15, 17-19 Langdon Place, Lynbrook, NY prepared by CNS Environmental, August 2022

This report documents asbestos abatement and associated project and air monitoring conducted by CNS Environmental between April 20 and July 11, 2022 during demolition of the former onsite building and several offsite buildings to the northwest. The abatement was completed by ENP Environmental, Inc., with the asbestos properly disposed offsite. The air monitoring results were reported to be below NYSDOL and NESHAP re-occupancy regulation levels.

SECTION 3.0
ADDITIONAL INFORMATION SUMMARY

The section includes information concerning the Site description and history, Site security, and hazardous waste.

3.1 Site Description and History

Potential (P) Site #130251, the Former Mangrove Feather Factory, includes several adjoining tax lots located in the Incorporated Village of Lynbrook, Nassau County, New York. The Site is associated with Block 519, Lots 119 to 124 on the Nassau County Tax Map and is assigned an address of 43 to 47 Broadway.

The Site consists of an irregularly-shaped approximately 0.43-acre property in the downtown area of the Village of Lynbrook, a suburban area with numerous retail and commercial businesses in the Site proximity. The Site is bordered by Broadway to the southeast, beyond which are a commercial office building and paved parking lots. Station (aka Saperstein) Plaza and Long Island Rail Road (LIRR) tracks are immediately south of the Site, beyond which are commercial businesses and the Sunrise Highway. A large parking lot adjoins the Site to the northeast, across Langdon Place. Commercial businesses formerly adjoined the Site to the northwest but are now demolished in preparation for redevelopment. The Site is part of the redevelopment project

The Site was formerly occupied by a building used by fabric and shoe manufacturing companies and was most recently used by the Mangrove Feather Company, Inc. The Site history was evaluated during prior investigations noted in Section 2 of this report. These investigations included review of available historic records from local municipal and regulatory agencies, historic aerial photographs, Sanborn Fire Insurance maps, and other sources of historic information. Based on Sanborn Fire Insurance maps, the Site was initially developed prior to 1910 with several buildings that included a wagon shed, wagon house, storage, stables, gallery, and second-floor hall. These facilities were located on the central and southern portions of the Site. By 1916 the Site was occupied by Atlantic Knitting Mills, Inc. and onsite operations included knitting, washing, storage, and packing. A boiler room was noted near the southeast portion of the Site. By 1924 the main building was enlarged, an additional storage building was present along the northwest side of the Site, a gasoline tank was depicted near the south corner of this building, and a 10,000-gallon crude oil tank was depicted near the north corner of the Site. This additional building and the two tanks were not depicted on the 1951 map. A connection to the municipal sewer system was made in 1959, prior to which time an onsite sanitary waste disposal system (underground injection control, or UIC system) was in use. Additional tanks were also formerly present onsite.

Multiple knitting, clothing, shoe, and similar manufacturing operations occupied the Site until about 2006, when the Site became vacant. Occupants reportedly present in the interval from 1972 to about 2006 (based on historic city directories) include Dan-Dee Knitwear, Durable Sportswear, Lynbrook Sportswear, Nassau Knitting Mills, Peace Cutting, Inc., The French Fit, Adam Roger, Ltd., Tropi-Lite, Euro Shoe Moda, Inc., Kingswood Sportswear, McRth Knitting Machinery, Rothkopf Textile Machine, La Vane Apparel, Inc., Wheatcress, Inc., Wolf JS & Co., Inc., Berkshire Coats, Ltd., English Sportswear Co., Inc., Shoes from Italy, Inc., Soho Outerwear, Apparel By English, Ltd., Mangrove Feather Co., Inc., Sentry Uniform Cap Company, Black Sea Distributors, LLC, Designs by John Aureilo, Ltd., Global Fire Solutions, Inc., International Rainwear, Ltd., Lady Romance, Inc., Teletime Video Productions, and Sleep Doggy Dog, Inc.

The Site is presently vacant; the former building was demolished in 2022 to prepare for redevelopment. The demolition process included removal and remediation as needed of all

former tanks and UICs under Nassau County Department of Health (NCDOH) oversight, as discussed in Sections 1 and 2. Asbestos abatement was also completed.

Redevelopment is anticipated to commence in 2022 and will include a multi-story residential apartment building with rental units (a restricted residential use). There will be no basement and the on-grade and second levels of the building will include fully ventilated and open-air garages, with an on-grade retail use on the southeast part of the Site. The new building will include a vapor barrier and sub-slab depressurization systems (SSDSs) beneath the on-grade habitable areas.

3.2 Site Security

The Site, together with the adjoining offsite properties to the northwest, which are part of the redevelopment project, is fully-fenced by six-foot-tall chain link metal construction fencing, as shown in the photo below. The exterior surface of the fencing is covered by a black fabric material that is perforated to reduce the potential for wind damage. There is a gated entrance at the former entrance point on Langdon Place; the gate is secured with a heavy metal chain and lock. No evidence of any trespass, disposal, or other unauthorized access was noted during an October 5, 2022 inspection.

Above: View of the Site looking west from the intersection of Langdon Place and Broadway showing the six-foot construction fence.

3.3 Hazardous Waste

There is no record of any hazardous waste generation, storage, disposal, or release at the Site. Site inspections conducted in 2018 and 2021 during Phase I Environmental Site Assessments

(ESAs) did not identify any hazardous waste onsite. State and Federal records searches conducted during the Phase I ESAs did not identify the Site on any of the databases searched, including databases associated with hazardous waste generation, storage, disposal, or releases. None of the available agency records reviewed during the Phase I ESAs suggested the potential presence of hazardous waste onsite.

As no hazardous waste disposal is reported for the Site, or appears likely based on the available information, no identification of persons potentially responsible for hazardous waste disposal can be made.

Previous owners of the Site, based on an October 30, 2017 title report and information from the current property owner, are as follows:

- The Engelstein Family Company, LLC: prior to January 12, 2006
- 47 Lynbrook, LLC: January 12, 2006 to April 22, 2022

Nassau County Clerk records indicate the following property ownership transfers (note: the reported dates are filing dates):

- Harold Engelstein was reported to be an owner on June 24, 1994
- Reuban J. Maron was reported to be an owner on October 30, 1997
- Property ownership was transferred from Harold Engelstein to Engelstein Family Co., LLC on June 29, 2000
- Engelstein Family Co., LLC transferred ownership to 47 Lynbrook, LLC on February 28, 2006
- 47 Lynbrook LLC transferred ownership to 43-47 Broadway Realty LLC (current owner) on May 12, 2022 (filing date)

Village of Lynbrook Building Department records note the following ownership information on various permits and violation notices:

- Berfan Realty (Mr. Evans) on September 22, 1950
- E. Bernstein and B. Evans on July 15, 1959
- Durable Realty in 1973, October 23, 1978 and June 22, 1979

The online records for the Nassau County Department of Assessment noted property transfers on June 15, 1994, May 12, 2000, January 12, 2006, and April 13, 2022. Property owners for these transfers were not noted.

Former operators (businesses) at the property identified using historic city directories and Sanborn Fire Insurance maps include the following:

> Atlantic Knitting Mills, Inc., Dan-Dee Knitwear, Durable Sportswear, Lynbrook Sportswear, Nassau Knitting Mills, Peace Cutting, Inc., The French Fit, Adam Roger, Ltd., Tropi-Lite, Euro Shoe Moda, Inc., Kingswood Sportswear, McRth Knitting Machinery, Rothkopf Textile Machine, La Vane Apparel, Inc., Wheatcress, Inc., Wolf JS & Co., Inc., Berkshire Coats, Ltd., English Sportswear Co., Inc., Shoes from Italy, Inc., Soho Outerwear, Apparel By English, Ltd., Mangrove Feather Co., Inc., Sentry Uniform Cap Company, Black Sea Distributors, LLC, Designs by John Aureilo, Ltd., Global Fire Solutions, Inc., International Rainwear, Ltd., Lady Romance, Inc., Teletime Video Productions, and Sleep Doggy Dog, Inc.

APPENDIX A
FIGURES

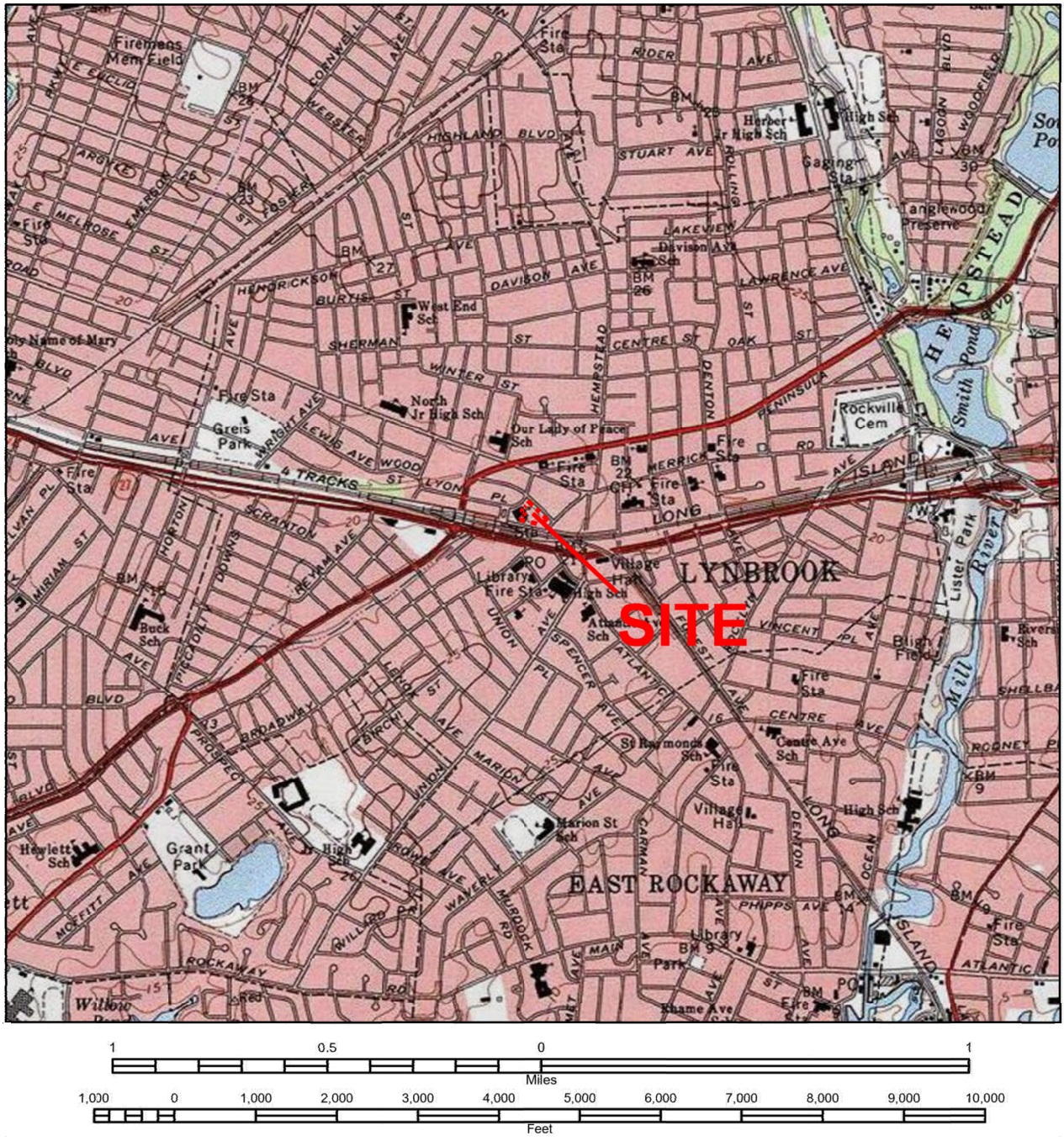

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FIGURE 1.1.1 SITE LOCATION 47 BROADWAY LYNBROOK, NEW YORK		
SOURCE: USGS LYNBROOK, NY QUADRANGLE	Drawn By: B.F.	Checked By: S.D. | Date: 8/30/22

N

0’ 150’ 300’

APPROXIMATE SCALE

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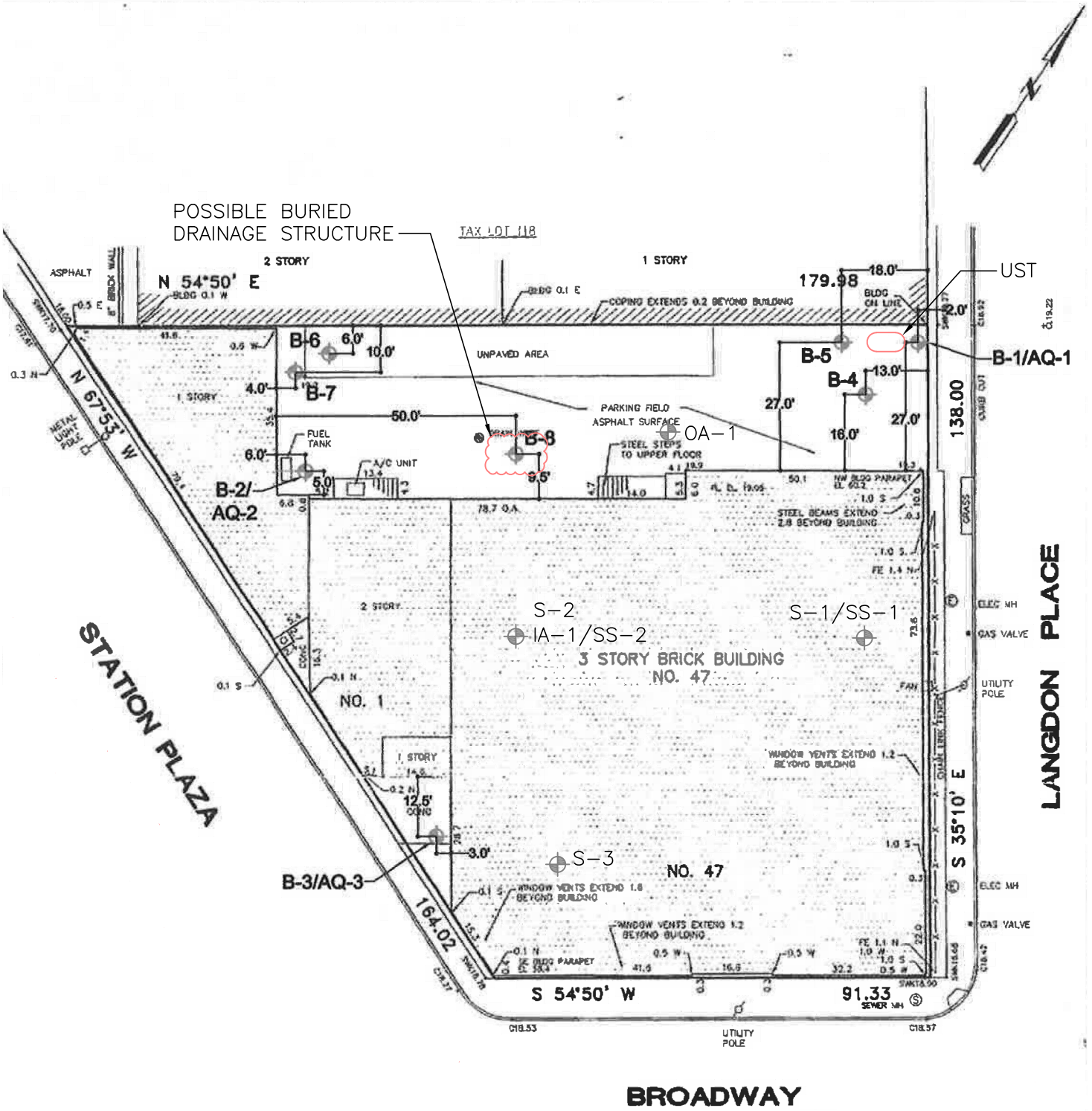
FIGURE 1.1.2
SITE AND VICINITY PLAN

47 BROADWAY
LYNBROOK, NEW YORK

Drawn By: B.F.	Checked By: S.D.	Date: 9/14/22



0' 30' 60'

APPROXIMATE SCALE

LEGEND

⊕ B-4	SOIL SAMPLE LOCATION
⊕ IA-1/SS-2	INDOOR AIR/SUB-SLAB VAPOR SAMPLE LOCATION
⊕ B-1/AQ-1	SOIL AND GROUNDWATER SAMPLE LOCATION
⊕ S-3	SUB-SLAB SOIL SAMPLE LOCATION

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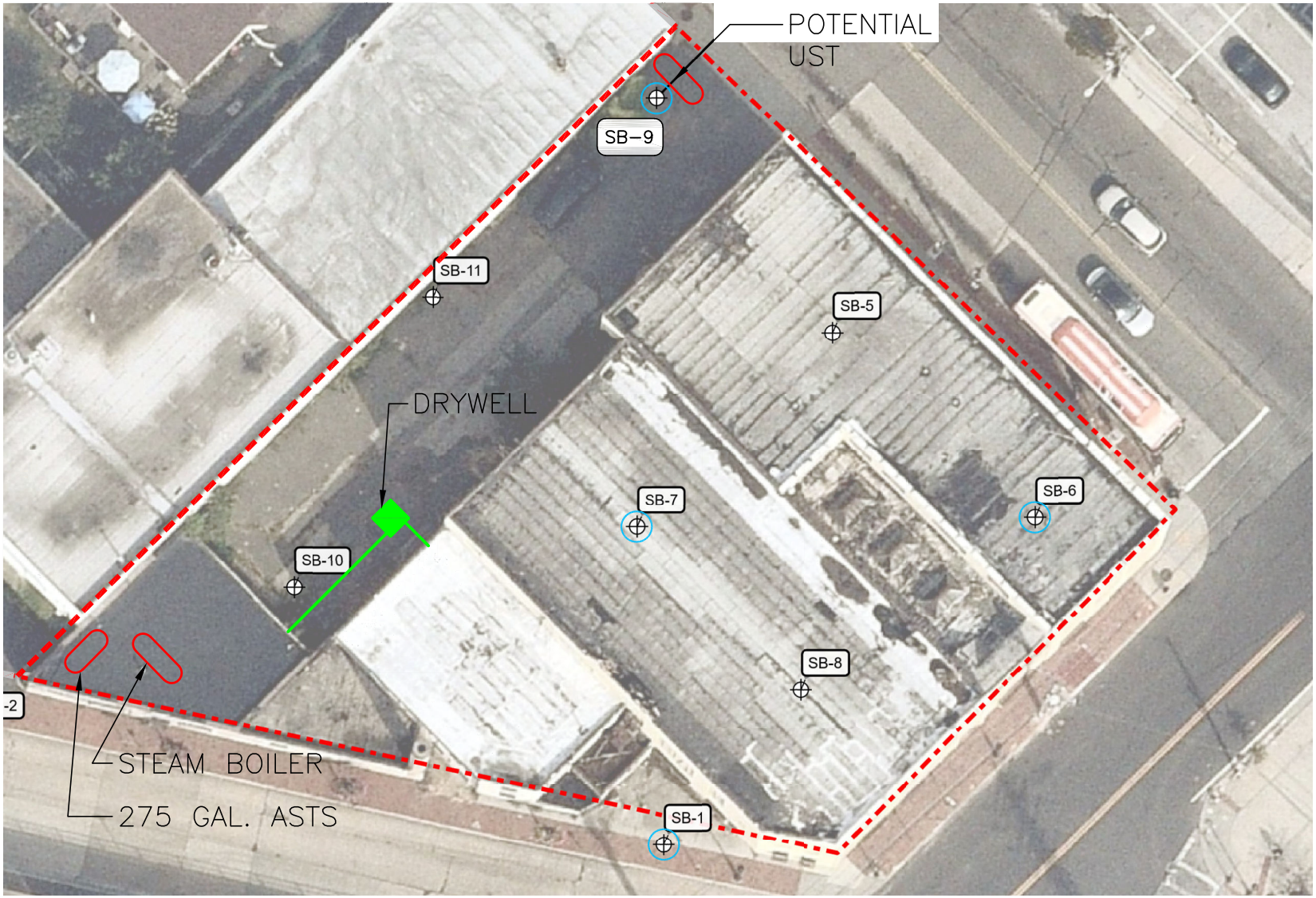
FIGURE 2.2.1.1
SAMPLE LOCATIONS, 2018 INVESTIGATION

47 BROADWAY
LYNBROOK, NEW YORK

Drawn By: B.F.	Checked By: S.D.	Date: 9/14/22



LEGEND

SB-1 ⊕ SOIL BORING

⊕ SOIL BORING WITH GROUNDWATER SAMPLE

■ DRYWELL SAMPLE

0' 30' 60'

APPROXIMATE SCALE

N

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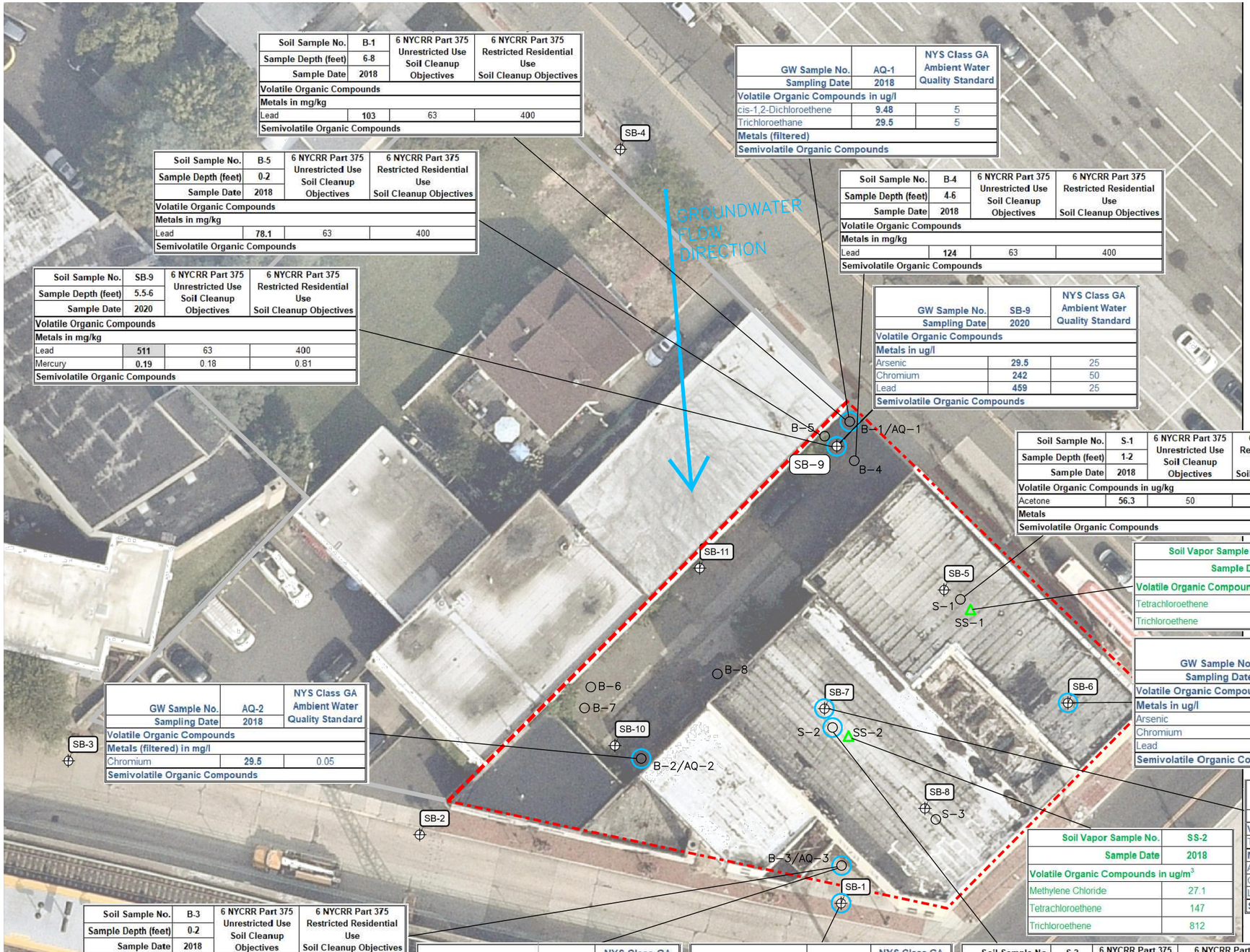
FIGURE 2.2.2.1 SAMPLE LOCATIONS, 2020 INVESTIGATION 47 BROADWAY LYNBROOK, NEW YORK		
Drawn By: B.F.	Checked By: S.D.	Date: 9/14/22



Soil Sample No.	B-1	6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives	6 NYCRR Part 375 Restricted Residential Use Soil Cleanup Objectives
Sample Depth (feet)	6-8		
Sample Date	2018		
Volatile Organic Compounds			
Metals in mg/kg			
Lead	103	63	400
Semivolatile Organic Compounds			

GW Sample No.	AQ-1	NYS Class GA Ambient Water Quality Standard
Sampling Date	2018	
Volatile Organic Compounds in ug/l		
cis-1,2-Dichloroethene	9.48	5
Trichloroethane	29.5	5
Metals (filtered)		
Semivolatile Organic Compounds		

Soil Sample No.	B-5	6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives	6 NYCRR Part 375 Restricted Residential Use Soil Cleanup Objectives
Sample Depth (feet)	0-2		
Sample Date	2018		
Volatile Organic Compounds			
Metals in mg/kg			
Lead	78.1	63	400
Semivolatile Organic Compounds			

Soil Sample No.	B-4	6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives	6 NYCRR Part 375 Restricted Residential Use Soil Cleanup Objectives
Sample Depth (feet)	4-6		
Sample Date	2018		
Volatile Organic Compounds			
Metals in mg/kg			
Lead	124	63	400
Semivolatile Organic Compounds			

Soil Sample No.	SB-9	6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives	6 NYCRR Part 375 Restricted Residential Use Soil Cleanup Objectives
Sample Depth (feet)	5.5-6		
Sample Date	2020		
Volatile Organic Compounds			
Metals in mg/kg			
Lead	511	63	400
Mercury	0.19	0.18	0.81
Semivolatile Organic Compounds			

GW Sample No.	SB-9	NYS Class GA Ambient Water Quality Standard
Sampling Date	2020	
Volatile Organic Compounds		
Metals in ug/l		
Arsenic	29.5	25
Chromium	242	50
Lead	459	25
Semivolatile Organic Compounds		

Soil Sample No.	S-1	6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives	6 NYCRR Part 375 Restricted Residential Use Soil Cleanup Objectives
Sample Depth (feet)	1-2		
Sample Date	2018		
Volatile Organic Compounds in ug/kg			
Acetone	56.3	50	100,000
Metals			
Semivolatile Organic Compounds			

Soil Vapor Sample No.	SS-1
Sample Date	2018
Volatile Organic Compounds in ug/m^3	
Tetrachloroethene	638
Trichloroethene	9,190

GW Sample No.	SB-6	NYS Class GA Ambient Water Quality Standard
Sampling Date	2020	
Volatile Organic Compounds		
Metals in ug/l		
Arsenic	29.5	25
Chromium	242	50
Lead	459	25
Semivolatile Organic Compounds		

GW Sample No.	AQ-2	NYS Class GA Ambient Water Quality Standard
Sampling Date	2018	
Volatile Organic Compounds		
Metals (filtered) in mg/l		
Chromium	29.5	0.05
Semivolatile Organic Compounds		

GW Sample No.	SB-7	NYS Class GA Ambient Water Quality Standard
Sampling Date	2020	
Volatile Organic Compounds in ug/l		
Trichloroethane	23	5
Metals in ug/l		
Arsenic	242	25
Chromium	459	50
Lead	197	25
Semivolatile Organic Compounds		

Soil Vapor Sample No.	SS-2
Sample Date	2018
Volatile Organic Compounds in ug/m^3	
Methylene Chloride	27.1
Tetrachloroethene	147
Trichloroethene	812

Soil Sample No.	B-3	6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives	6 NYCRR Part 375 Restricted Residential Use Soil Cleanup Objectives
Sample Depth (feet)	0-2		
Sample Date	2018		
Volatile Organic Compounds			
Metals in mg/kg			
Lead	320	63	400
Semivolatile Organic Compounds			

GW Sample No.	AQ-3	NYS Class GA Ambient Water Quality Standard
Sampling Date	2018	
Volatile Organic Compounds		
Metals (filtered) in mg/l		
Chromium	29.5	0.05
Silver	242	0.05
Semivolatile Organic Compounds		

GW Sample No.	SB-1	NYS Class GA Ambient Water Quality Standard
Sampling Date	2020	
Volatile Organic Compounds		
Metals in ug/l		
Arsenic	29.5	25
Chromium	242	50
Lead	459	25
Mercury	3.6	0.7
Semivolatile Organic Compounds		

Soil Sample No.	S-2	6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives	6 NYCRR Part 375 Restricted Residential Use Soil Cleanup Objectives
Sample Depth (feet)	1-2		
Sample Date	2018		
Volatile Organic Compounds in ug/kg			
Acetone	63.5	50	100,000
Metals			
Semivolatile Organic Compounds			

LEGEND

- SB-1 ⊕ SOIL BORING (2021)
- ⊕ SOIL BORING WITH GROUNDWATER SAMPLE (2021)
- ○ SOIL BORING (2018)
- ◎ SOIL BORING WITH GROUNDWATER SAMPLE (2018)
- △ SUB-SLAB VAPOR SAMPLE (2018)

SOIL DATA ARE SHOWN IN BLACK

GROUNDWATER DATA ARE SHOWN IN BLUE

SOIL VAPOR DATA ARE SHOWN IN GREEN

N

0 15 30 60 Feet

NOTE: THE SAMPLE DATA SHOWN EXCEED APPLICABLE REGULATORY CRITERIA. SAMPLE DATA FROM THE OTHER LOCATIONS DO NOT EXCEED REGULATORY CRITERIA.

FPM GROUP

FIGURE 2.4.1
EXISTING SITE DATA

47 BROADWAY
LYNBROOK, NEW YORK

Drawn By: B.F. | Checked By: S.D. | Date: 9/1/22

APPENDIX B
TABLES

TABLE 1
Volatile Analysis
Soil Samples B-1/S-4, B-2/S-4, B-3/S-1, B-4/S-3, B-5/S-1, B-6/S-4, B-7/S-4, B-8/S-3

Parameter	B-1/S-4	B-2/S-4	B-3/S-1	B-4/S-3	B-5/S-1	B-6/S-4	B-7/S-4	B-8/S-3	UUSCO (1)	PGWSCO (2)	*RUSCO (3)*
Depth	6-8'	6-8'	0-2'	4-6'	0-2'	6-8'	6-8'	4-6'			
1,1,1,2-Tetrachloroethane	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
1,1,1-Trichloroethane	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
1,1,2,2-Tetrachloroethane	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
1,1,2-Trichloro-1,2,2-trichloroethane	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
1,1,2-Trichloroethane	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
1,1-Dichloroethane	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
1,1-Dichloroethene	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
1,1-Dichloropropene	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
1,2,3-Trichlorobenzene	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
1,2,3-Trichloropropane	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
1,2,4,5-Tetramethylbenzene	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
1,2,4-Trichlorobenzene	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
1,2,4-Trimethylbenzene	<5.35	<5.26	7.24	<5.36	<5.22	<5.48	<5.33	<5.35	3600	3600	*47000*
1,2-Dibromo-3-chloropropane	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
1,2-Dibromomethane	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
1,2-Dichlorobenzene	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
1,2-Dichloroethane	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
1,2-Dichloropropane	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
1,3,5-Trimethylbenzene	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
1,3-Dichlorobenzene	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
1,3-Dichloropropane	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
1,4-Dichlorobenzene	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
1,4-Diethylbenzene	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
1,4-Dioxane	<26.8	<26.3	<27.8	<26.8	<26.1	<27.4	<26.7	<26.8	-	-	-
2,2-Dichloropropane	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
2-Chloroethyl Vinyl Ether	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
2-Chlorotoluene	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
4-Chlorotoluene	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
4-Ethyltoluene	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
4-Isopropyltoluene	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-

NOTES:

- Results reported in ug/kg.
- N/A = Not Available.
- **(1) UUSCO** Exceeds Unrestricted Use Soil Cleanup Objectives (UUSCO) from NYSDEC Subpart 375.6: Remedial Program Soil Cleanup Objectives.
- **(2) PGWSCO** Exceeds Protection of Groundwater Soil Cleanup Objectives (PGWSCO) from NYSDEC Subpart 375.6: Remedial Program Soil Cleanup Objectives.
- ***(3) RUSCO*** Exceeds Residential Use Soil Cleanup Objectives (RUSCO) from NYSDEC Subpart 375.6: Remedial Program Soil Cleanup Objectives.

TABLE 1 (Cont.)
Volatile Analysis
Soil Samples B-1/S-4, B-2/S-4, B-3/S-1, B-4/S-3, B-5/S-1, B-6/S-4, B-7/S-4, B-8/S-3

Parameter	B-1/S-4	B-2/S-4	B-3/S-1	B-4/S-3	B-5/S-1	B-6/S-4	B-7/S-4	B-8/S-3	UUSCO (1)	PGWSCO (2)	RUSCO (3)
Depth	6-8'	6-8'	0-2'	4-6'	0-2'	6-8'	6-8'	4-6'			
4-Methyl-2-Pentanone	<10.7	<10.5	<11.1	<10.7	<10.4	<11.0	<10.7	<10.7	-	-	-
Acetone	<21.4	<21.0	<22.2	<21.4	<20.9	<21.9	<21.3	<21.4	-	-	-
Acrolein	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
Acrylonitrile	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
Benzene	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
Bromobenzene	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
Bromochloromethane	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
Bromodichloromethane	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
Bromoform	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
Bromomethane	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
Carbon Disulfide	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
Carbon Tetrachloride	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
Chlorobenzene	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
Chlorodifluoromethane	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
Chloroethane	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
Chloroform	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
Chloromethane	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
Cis-1,2-Dichloroethene	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
Cis-1,3-Dichloropropene	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
Dibromochloromethane	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
Dibromomethane	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
Dichlorodifluoromethane	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
Ethylbenzene	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
Hexachlorobutadiene	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
Isopropylbenzene (Cumene)	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
M,p-Xylenes	<10.7	<10.5	<11.1	<10.7	<10.4	<11.0	<10.7	<10.7	-	-	-
Methyl Acetate	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
Methyl Butyl Ketone (2-Hexanone)	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
Methyl Ethyl Ketone (2-Butanone)	<10.7	<10.5	<11.1	<10.7	<10.4	<11.0	<10.7	<10.7	-	-	-

NOTES:

- Results reported in ug/kg.
- N/A = Not Available.
- **(1) UUSCO** Exceeds Unrestricted Use Soil Cleanup Objectives (UUSCO) from NYSDEC Subpart 375.6: Remedial Program Soil Cleanup Objectives.
- **(2) PGWSCO** Exceeds Protection of Groundwater Soil Cleanup Objectives (PGWSCO) from NYSDEC Subpart 375.6: Remedial Program Soil Cleanup Objectives.
- ***(3) RUSCO*** Exceeds Residential Use Soil Cleanup Objectives (RUSCO) from NYSDEC Subpart 375.6: Remedial Program Soil Cleanup Objectives.

TABLE 1 (Cont.)
Volatile Analysis
Soil Samples B-1/S-4, B-2/S-4, B-3/S-1, B-4/S-3, B-5/S-1, B-6/S-4, B-7/S-4, B-8/S-3

Parameter	B-1/S-4	B-2/S-4	B-3/S-1	B-4/S-3	B-5/S-1	B-6/S-4	B-7/S-4	B-8/S-3	UUSCO (1)	PGWSCO (2)	*RUSCO (3)*
Depth	**6-8'**	**6-8'**	**0-2'**	**4-6'**	**0-2'**	**6-8'**	**6-8'**	**4-6'**			
Methylene Chloride	7.29	<5.26	7.35	14.4	11.0	18.3	<5.33	<5.35	50	50	*51000*
Methyl-tert-Butyl-Ether	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
Naphthalene	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
n-Butylbenzene	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
n-Propylbenzene	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
o-Xylene	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
Sec-Butylbenzene	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
Styrene	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
Tert-Butyl alcohol	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
Tert-Butylbenzene	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
Tetrachloroethene	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
Toluene	<5.35	<5.26	41.6	<5.36	<5.22	<5.48	<5.33	<5.35	700	700	*10000*
Trans-1,2-Dichloroethene	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
Trans-1,3-Dichloropropene	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
Trichloroethene	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
Trichlorofluoromethane	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
Vinyl Acetate	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-
Vinyl Chloride	<5.35	<5.26	<5.55	<5.36	<5.22	<5.48	<5.33	<5.35	-	-	-

NOTES:

- Results reported in ug/kg.
- N/A = Not Available.
- **(1) UUSCO** Exceeds Unrestricted Use Soil Cleanup Objectives (UUSCO) from NYSDEC Subpart 375.6: Remedial Program Soil Cleanup Objectives.
- **(2) PGWSCO** Exceeds Protection of Groundwater Soil Cleanup Objectives (PGWSCO) from NYSDEC Subpart 375.6: Remedial Program Soil Cleanup Objectives.
- ***(3) RUSCO*** Exceeds Residential Use Soil Cleanup Objectives (RUSCO) from NYSDEC Subpart 375.6: Remedial Program Soil Cleanup Objectives.

TABLE 2
Semi Volatile Analysis
Soil Samples B-1/S-4, B-2/S-4, B-3/S-1, B-4/S-3, B-5/S-1, B-6/S-4, B-7/S-4, B-8/S-3

Parameter	B-1/S-4	B-2/S-4	B-3/S-1	B-4/S-3	B-5/S-1	B-6/S-4	B-7/S-4	B-8/S-3	UUSCO (1)	PGWSCO (2)	*RUSCO (3)*
Depth	6-8'	6-8'	0-2'	4-6'	0-2'	6-8'	6-8'	4-6'			
1,2,4-Trichlorobenzene	<163	<158	<162	<160	<156	<159	<160	<161	-	-	-
1,2-Dichlorobenzene	<163	<158	<162	<160	<156	<159	<160	<161	-	-	-
1,3-Dichlorobenzene	<163	<158	<162	<160	<156	<159	<160	<161	-	-	-
1,4-Dichlorobenzene	<163	<158	<162	<160	<156	<159	<160	<161	-	-	-
2,2'-Oxybis(1-chloropropane)	<163	<158	<162	<160	<156	<159	<160	<161	-	-	-
2,4-Dinitrotoluene	<163	<158	<162	<160	<156	<159	<160	<161	-	-	-
2,6-Dinitrotoluene	<163	<158	<162	<160	<156	<159	<160	<161	-	-	-
2-Chloronaphthalene	<163	<158	<162	<160	<156	<159	<160	<161	-	-	-
3,3'Dichlorobenzidine	<326	<316	<323	<320	<313	<318	<319	<322	-	-	-
4-Bromophenyl phenyl ether	<163	<158	<162	<160	<156	<159	<160	<161	-	-	-
4-Chlorophenyl phenyl ether	<163	<158	<162	<160	<156	<159	<160	<161	-	-	-
Acenaphthene	<163	<158	<162	<160	<156	<159	<160	<161	-	-	-
Acenaphthylene	<163	<158	<162	<160	<156	<159	<160	<161	-	-	-
Anthracene	<163	<158	<162	<160	<156	<159	<160	<161	-	-	-
Benzo(a)anthracene	<163	<158	<162	<160	<156	<159	<160	<161	-	-	-
Benzo(a)pyrene	<163	<158	<162	<160	<156	<159	<160	<161	-	-	-
Benzo(b)fluoaranthene	<326	<316	<323	<320	<313	<318	<319	<322	-	-	-
Benzo(g,h,i)perylene	<163	<158	<162	<160	<156	<159	<160	<161	-	-	-
Benzo(k)fluoranthene	<163	<158	<162	<160	<156	<159	<160	<161	-	-	-
Bis(2-Chloroethoxy)methane	<163	<158	<162	<160	<156	<159	<160	<161	-	-	-
Bis(2-Chloroethyl)ether	<163	<158	<162	<160	<156	<159	<160	<161	-	-	-
Bis(2-Ethylhexyl)phthalate	<163	<158	268	<160	<156	<159	<160	<161	N/A	435000	*50000*
Butyl benzyl Phthalate	<163	<158	<162	<160	<156	<159	<160	<161	-	-	-
Chrysene	<163	<158	<162	<160	<156	<159	<160	<161	-	-	-
Dibenzo(a,h)anthracene	<163	<158	<162	<160	<156	<159	<160	<161	-	-	-
Diethyl phthalate	<163	<158	926	<160	<156	<159	<160	<161	N/A	7100	*100000*
Dimethyl phthalate	<163	<158	<162	<160	<156	<159	<160	<161	-	-	-
Di-n-butyl phthalate	<326	<316	<323	<320	<313	<318	<319	<322	-	-	-
Di-n-octyl phthalate	<163	<158	<162	<160	<156	<159	<160	<161	-	-	-
Fluoranthene	249	<158	<162	<160	<156	<159	<160	<161	100000	1000000	*100000*

NOTES:

- Results reported in ug/kg.
- N/A = Not Available.
- **(1) UUSCO** Exceeds Unrestricted Use Soil Cleanup Objectives (UUSCO) from NYSDEC Subpart 375.6: Remedial Program Soil Cleanup Objectives.
- **(2) PGWSCO** Exceeds Protection of Groundwater Soil Cleanup Objectives (PGWSCO) from NYSDEC Subpart 375.6: Remedial Program Soil Cleanup Objectives.
- ***(3) RUSCO*** Exceeds Residential Use Soil Cleanup Objectives (RUSCO) from NYSDEC Subpart 375.6: Remedial Program Soil Cleanup Objectives.

TABLE 2 (Cont.)
Semi Volatile Analysis
Soil Samples B-1/S-4, B-2/S-4, B-3/S-1, B-4/S-3, B-5/S-1, B-6/S-4, B-7/S-4, B-8/S-3

Parameter	B-1/S-4	B-2/S-4	B-3/S-1	B-4/S-3	B-5/S-1	B-6/S-4	B-7/S-4	B-8/S-3	UUSCO (1)	PGWSCO (2)	*RUSCO (3)*
Depth	**6-8'**	**6-8'**	**0-2'**	**4-6'**	**0-2'**	**6-8'**	**6-8'**	**4-6'**			
Fluorene	<163	<158	<162	<160	<156	<159	<160	<161	-	-	-
Hexachlorobenzene	<163	<158	<162	<160	<156	<159	<160	<161	-	-	-
Hexachlorobutadiene	<163	<158	<162	<160	<156	<159	<160	<161	-	-	-
Hexachlorocyclopentadiene	<326	<316	<323	<320	<313	<318	<319	<322	-	-	-
Hexachloroethane	<163	<158	<162	<160	<156	<159	<160	<161	-	-	-
Indeno(1,2,3-cd)pyrene	<163	<158	<162	<160	<156	<159	<160	<161	-	-	-
Isophorone	<326	<316	<323	<320	<313	<318	<319	<322	-	-	-
Naphthalene	<163	<158	<162	<160	<156	<159	<160	<161	-	-	-
Nitrobenzene	<163	<158	<162	<160	<156	<159	<160	<161	-	-	-
N-Nitroso-di-n-propylamine	<163	<158	<162	<160	<156	<159	<160	<161	-	-	-
Phenanthrene	<163	<158	194	<160	<156	<159	<160	<161	100000	1000000	*10000*
Pyrene	216	<158	<162	<160	<156	<159	<160	<161	100000	1000000	*10000*

NOTES:

- Results reported in ug/kg.
- N/A = Not Available.
- **(1) UUSCO** Exceeds Unrestricted Use Soil Cleanup Objectives (UUSCO) from NYSDEC Subpart 375.6: Remedial Program Soil Cleanup Objectives.
- **(2) PGWSCO** Exceeds Protection of Groundwater Soil Cleanup Objectives (PGWSCO) from NYSDEC Subpart 375.6: Remedial Program Soil Cleanup Objectives.
- ***(3) RUSCO*** Exceeds Residential Use Soil Cleanup Objectives (RUSCO) from NYSDEC Subpart 375.6: Remedial Program Soil Cleanup Objectives.

TABLE 3
Total Metals Analysis
Soil Samples B-1/S-4, B-2/S-4, B-3/S-1, B-4/S-3, B-5/S-1, B-6/S-4, B-7/S-4, B-8/S-3

Parameter	B-1/S-4	B-2/S-4	B-3/S-1	B-4/S-3	B-5/S-1	B-6/S-4	B-7/S-4	B-8/S-3	UUSCO (1)	PGWSCO (2)	*RUSCO (3)*
Depth	6-8'	6-8'	0-2'	4-6'	0-2'	6-8'	6-8'	4-6'			
Arsenic	2.78	<1.67	4.35	1.88	2.60	<1.67	<1.74	<1.71	13	16	*16*
Barium	36.4	11.4	38.4	30.7	32.5	14.7	22.4	13.7	350	820	*350*
Cadmium	<1.76	<1.65	<1.79	<1.75	<1.71	<1.65	<1.74	<1.71	-	-	-
Chromium	9.02	9.29	16.5	7.65	8.01	6.42	8.76	6.80	30	N/A	*36*
Lead	103	2.76	320	124	78.1	1.97	2.01	2.63	63	450	*400*
Selenium	<1.76	<1.67	<1.79	<1.75	<1.71	<1.67	<1.74	<1.71	-	-	-
Silver	<1.76	<1.67	<1.79	<1.75	<1.71	<1.67	<1.74	<1.71	-	-	-
Mercury	0.02	<0.02	0.06	0.02	0.14	<0.02	<0.02	<0.02	0.18	0.73	*0.81*

NOTES:

- Results reported in mg/kg.
- N/A = Not Available.
- (1) UUSCO — Exceeds Unrestricted Use Soil Cleanup Objectives (UUSCO) from NYSDEC Subpart 375.6: Remedial Program Soil Cleanup Objectives.
- (2) PGWSCO — Exceeds Protection of Groundwater Soil Cleanup Objectives (PGWSCO) from NYSDEC Subpart 375.6: Remedial Program Soil Cleanup Objectives.
- *(3) RUSCO* — Exceeds Residential Use Soil Cleanup Objectives (RUSCO) from NYSDEC Subpart 375.6: Remedial Program Soil Cleanup Objectives.

TABLE S3
TCLP Lead Analysis
Soil Samples B-1/S-4, B-3/S-1, B-4/S-3, B-5/S-1

Parameter	B-1/S-4	B-3/S-1	B-4/S-3	B-5/S-1	TCLP Concentration Limit
Depth	6-8'	0-2'	4-6'	0-2'	
Lead	0.40	1.89	<0.05	0.06	5.0

NOTES:

- Results reported in mg/L.

TABLE 4
Volatile Analysis
Aqueous Samples AQ-1, AQ-2, AQ-3

Parameter	AQ-1	AQ-2	AQ-3	GW STANDARDS (4)
1,1,1,2-Tetrachloroethane	<5.00	<5.00	<5.00	-
1,1,1-Trichloroethane	<5.00	<5.00	<5.00	-
1,1,2,2-Tetrachloroethane	<5.00	<5.00	<5.00	-
1,1,2-Trichloro-1,2,2-trichloroethane	<5.00	<5.00	<5.00	-
1,1,2-Trichloroethane	<5.00	<5.00	<5.00	-
1,1-Dichloroethane	<5.00	<5.00	<5.00	-
1,1-Dichloroethene	<5.00	<5.00	<5.00	-
1,1-Dichloropropene	<5.00	<5.00	<5.00	-
1,2,3-Trichlorobenzene	<5.00	<5.00	<5.00	-
1,2,3-Trichloropropane	<5.00	<5.00	<5.00	-
1,2,4,5-Tetramethylbenzene	<5.00	<5.00	<5.00	-
1,2,4-Trichlorobenzene	<5.00	<5.00	<5.00	-
1,2,4-Trimethylbenzene	<5.00	<5.00	<5.00	-
1,2-Dibromo-3-chloropropane	<5.00	<5.00	<5.00	-
1,2-Dibromomethane	<5.00	<5.00	<5.00	-
1,2-Dichlorobenzene	<5.00	<5.00	<5.00	-
1,2-Dichloroethane	<5.00	<5.00	<5.00	-
1,2-Dichloropropane	<5.00	<5.00	<5.00	-
1,3,5-Trimethylbenzene	<5.00	<5.00	<5.00	-
1,3-Dichlorobenzene	<5.00	<5.00	<5.00	-
1,3-Dichloropropane	<5.00	<5.00	<5.00	-
1,4-Dichlorobenzene	<5.00	<5.00	<5.00	-
1,4-Diethylbenzene	<5.00	<5.00	<5.00	-
2,2-Dichloropropane	<5.00	<5.00	<5.00	-
2-Chloroethyl Vinyl Ether	<5.00	<5.00	<5.00	-
2-Chlorotoluene	<5.00	<5.00	<5.00	-
4-Chlorotoluene	<5.00	<5.00	<5.00	-
4-Ethyltoluene	<5.00	<5.00	<5.00	-
4-Isopropyltoluene	<5.00	<5.00	<5.00	-
Acetone	<10.0	<10.0	<10.0	-

NOTES:

- Results reported in ug/L.
- N/A = Not Available.
- **(4) GW STANDARDS** Exceeds NYSDEC Part 703 Surface Water and Groundwater Quality Standards (Last Amended August 1999).

TABLE 4 (Cont.)
Volatile Analysis
Aqueous Samples AQ-1, AQ-2, AQ-3

Parameter	AQ-1	AQ-2	AQ-3	GW STANDARDS (4)
Acrolein	<5.00	<5.00	<5.00	-
Acrylonitrile	<5.00	<5.00	<5.00	-
Benzene	<5.00	<5.00	<5.00	-
Bromobenzene	<5.00	<5.00	<5.00	-
Bromochloromethane	<5.00	<5.00	<5.00	-
Bromodichloromethane	<5.00	<5.00	<5.00	-
Bromoform	<5.00	<5.00	<5.00	-
Bromomethane	<5.00	<5.00	<5.00	-
Carbon Disulfide	<5.00	<5.00	<5.00	-
Carbon Tetrachloride	<5.00	<5.00	<5.00	-
Chlorobenzene	<5.00	<5.00	<5.00	-
Chlorodifluoromethane	<5.00	<5.00	<5.00	-
Chloroethane	<5.00	<5.00	<5.00	-
Chloroform	<5.00	<5.00	<5.00	-
Chloromethane	<5.00	<5.00	<5.00	-
Cis-1,2-Dichloroethene	**9.48**	<5.00	<5.00	**5.0**
Cis-1,3-Dichloropropene	<5.00	<5.00	<5.00	-
Dibromochloromethane	<5.00	<5.00	<5.00	-
Dibromomethane	<5.00	<5.00	<5.00	-
Dichlorodifluoromethane	<5.00	<5.00	<5.00	-
Ethylbenzene	<5.00	<5.00	<5.00	-
Hexachlorobutadiene	<5.00	<5.00	<5.00	-
Isopropylbenzene (Cumene)	<5.00	<5.00	<5.00	-
M,p-Xylenes	<10.0	<10.0	<10.0	-
Methyl Acetate	<5.00	<5.00	<5.00	-
Methyl Butyl Ketone (2-Hexanone)	<10.0	<10.0	<10.0	-
Methyl Ethyl Ketone (2-Butanone)	<10.0	<10.0	<10.0	-
Methylene Chloride	<5.00	<5.00	<5.00	-
Methyl-tert-Butyl Ether	<5.00	<5.00	<5.00	-

NOTES:

- Results reported in ug/L.
- N/A = Not Available.
- **(4) GW STANDARDS** Exceeds NYSDEC Part 703 Surface Water and Groundwater Quality Standards (Last Amended August 1999).

TABLE 4 (Cont.)
Volatile Analysis
Aqueous Samples AQ-1, AQ-2, AQ-3

Parameter	AQ-1	AQ-2	AQ-3	GW STANDARDS (4)
Naphthalene	<5.00	<5.00	<5.00	-
n-Butylbenzene	<5.00	<5.00	<5.00	-
n-Propylbenzene	<5.00	<5.00	<5.00	-
o-Xylene	<5.00	<5.00	<5.00	-
Sec-Butylbenzene	<5.00	<5.00	<5.00	-
Styrene	<5.00	<5.00	<5.00	-
Tert-Butyl alcohol	<5.00	<5.00	<5.00	-
Tert-Butylbenzene	<5.00	<5.00	<5.00	-
Tetrachloroethene	<5.00	<5.00	<5.00	-
Toluene	<5.00	<5.00	<5.00	-
Trans-1,2-Dichloroethene	<5.00	<5.00	<5.00	-
Trans-1,3-Dichloropropene	<5.00	<5.00	<5.00	-
Trichloroethene	6.95	<5.00	<5.00	5.0
Trichlorofluoromethane	<5.00	<5.00	<5.00	-
Vinyl Acetate	<5.00	<5.00	<5.00	-
Vinyl Chloride	<5.00	<5.00	<5.00	-

NOTES:

- Results reported in ug/L.
- N/A = Not Available.
- **(4) GW STANDARDS** Exceeds NYSDEC Part 703 Surface Water and Groundwater Quality Standards (Last Amended August 1999).

TABLE 5
Semi Volatile Analysis
Aqueous Samples AQ-1, AQ-2, AQ-3

Parameter	AQ-1	AQ-2	AQ-3	GW STANDARDS (4)
1,2,4-Trichlorobenzene	<5.00	<5.00	<5.00	-
1,2-Dichlorobenzene	<5.00	<5.00	<5.00	-
1,3-Dichlorobenzene	<5.00	<5.00	<5.00	-
1,4-Dichlorobenzene	<5.00	<5.00	<5.00	-
2,2'-Oxybis(1-chloropropane)	<5.00	<5.00	<5.00	-
2,4-Dinitrotoluene	<5.00	<5.00	<5.00	-
2,6-Dinitrotoluene	<5.00	<5.00	<5.00	-
2-Chloronaphthalene	<5.00	<5.00	<5.00	-
3,3'Dichlorobenzidine	<5.00	<5.00	<5.00	-
4-Bromophenyl phenyl ether	<5.00	<5.00	<5.00	-
4-Chlorophenyl phenyl ether	<5.00	<5.00	<5.00	-
Acenaphthene	<5.00	<5.00	<5.00	-
Acenaphthylene	<5.00	<5.00	<5.00	-
Anthracene	<5.00	<5.00	<5.00	-
Benzo(a)anthracene	<5.00	<5.00	<5.00	-
Benzo(a)pyrene	<5.00	<5.00	<5.00	-
Benzo(b)fluoranthene	<5.00	<5.00	<5.00	-
Benzo(g,h,i)perylene	<5.00	<5.00	<5.00	-
Benzo(k)fluoranthene	<5.00	<5.00	<5.00	-
Bis(2-Chloroethoxy)methane	<5.00	<5.00	<5.00	-
Bis(2-Chloroethyl)ether	<5.00	<5.00	<5.00	-
Bis(2-Ethylhexyl)phthalate	<5.00	<5.00	<5.00	-
Butyl benzyl Phthalate	<5.00	<5.00	<5.00	-
Chrysene	<5.00	<5.00	<5.00	-
Dibenzo(a h)anthracene	<5.00	<5.00	<5.00	-
Dimethyl phthalate	<5.00	<5.00	<5.00	-
Di-n-butyl phthalate	<5.00	<5.00	<5.00	-
Di-n-octyl phthalate	<5.00	<5.00	<5.00	-
Fluoranthene	<5.00	<5.00	<5.00	-
Fluorene	<5.00	<5.00	<5.00	-

NOTES:

- Results reported in ug/L.
- N/A = Not Available.
- **(4) GW STANDARDS** Exceeds NYSDEC Part 703 Surface Water and Groundwater Quality Standards (Last Amended August 1999)

TABLE 5 (Cont.)
Semi Volatile Analysis
Aqueous Samples AQ-1, AQ-2, AQ-3

Parameter	AQ-1	AQ-2	AQ-3	GW STANDARDS (4)
Hexachlorobenzene	<5.00	<5.00	<5.00	-
Hexachlorobutadiene	<5.00	<5.00	<5.00	-
Hexachlorocyclopentadiene	<5.00	<5.00	<5.00	-
Hexachloroethane	<5.00	<5.00	<5.00	-
Indeno(1,2,3-cd)pyrene	<5.00	<5.00	<5.00	-
Isophorone	<5.00	<5.00	<5.00	-
Naphthalene	<5.00	<5.00	<5.00	-
Nitrobenzene	<5.00	<5.00	<5.00	-
N-Nitroso-di-n-propylamine	<5.00	<5.00	<5.00	-
Phenanthrene	<5.00	<5.00	<5.00	-
Pyrene	<5.00	<5.00	<5.00	-

NOTES:

- Results reported in ug/L.
- N/A = Not Available.
- **(4) GW STANDARDS** Exceeds NYSDEC Part 703 Surface Water and Groundwater Quality Standards (Last Amended August 1999).

TABLE 6
Total Metals Analysis
Aqueous Samples AQ-1, AQ-2, AQ-3

Parameter	AQ-1	AQ-2	AQ-3	GW STANDARDS (4)
Arsenic	<0.05	<0.05	<0.05	-
Barium	<1.00	<1.00	<1.00	-
Cadmium	<0.05	<0.05	<0.05	-
Chromium	**0.16**	**0.42**	**0.20**	**0.05**
Lead	<0.05	**0.06**	**0.08**	**0.025**
Selenium	<0.05	<0.05	<0.05	-
Silver	<0.05	<0.05	<0.05	-
Mercury	<0.002	<0.002	<0.002	-

NOTES:

- Results reported in mg/L.
- N/A = Not Available.
- **(4) GW STANDARDS** Exceeds NYSDEC Part 703 Surface Water and Groundwater Quality Standards (Last Amended August 1999).

TABLE 7
Filtered Metals Analysis
Aqueous Samples AQ-1, AQ-2, AQ-3

Parameter	AQ-1	AQ-2	AQ-3	GW STANDARDS (4)
Arsenic	<0.05	<0.05	<0.05	-
Barium	<1.00	<1.00	<1.00	-
Cadmium	<0.05	<0.05	<0.05	-
Chromium	<0.05	0.11	**0.06**	0.05
Lead	<0.05	<0.05	<0.05	-
Selenium	<0.05	<0.05	<0.05	-
Silver	<0.05	<0.05	0.18	0.05
Mercury	<0.002	<0.002	<0.002	-

NOTES:

- Results reported in mg/L.
- N/A = Not Available.
- **(4) GW STANDARDS** Exceeds NYSDEC Part 703 Surface Water and Groundwater Quality Standards (Last Amended August 1999).

TABLE 8
Volatile Analysis
Soil Samples S-1, S-2, S-3

Parameter	S-1	S-2	S-3	UUSCO (1)	PGWSCO (2)	RUSCO (3)
Depth	1-2'	1-2'	1-2'			
1,1,1,2-Tetrachloroethane	<5.31	<5.47	<5.57	-	-	-
1,1,1-Trichloroethane	<5.31	<5.47	<5.57	-	-	-
1,1,2,2-Tetrachloroethane	<5.31	<5.47	<5.57	-	-	-
1,1,2-Trichloro-1,2,2-trichloroethane	<5.31	<5.47	<5.57	-	-	-
1,1,2-Trichloroethane	<5.31	<5.47	<5.57	-	-	-
1,1-Dichloroethane	<5.31	<5.47	<5.57	-	-	-
1,1-Dichloroethene	<5.31	<5.47	<5.57	-	-	-
1,1-Dichloropropene	<5.31	<5.47	<5.57	-	-	-
1,2,3-Trichlorobenzene	<5.31	<5.47	<5.57	-	-	-
1,2,3-Trichloropropane	<5.31	<5.47	<5.57	-	-	-
1,2,4,5-Tetramethylbenzene	<5.31	<5.47	<5.57	-	-	-
1,2,4-Trichlorobenzene	<5.31	<5.47	<5.57	-	-	-
1,2,4-Trimethylbenzene	<5.31	<5.47	<5.57	-	-	-
1,2-Dibromo-3-chloropropane	<5.31	<5.47	<5.57	-	-	-
1,2-Dibromomethane	<5.31	<5.47	<5.57	-	-	-
1,2-Dichlorobenzene	<5.31	<5.47	<5.57	-	-	-
1,2-Dichloroethane	<5.31	<5.47	<5.57	-	-	-
1,2-Dichloropropane	<5.31	<5.47	<5.57	-	-	-
1,3,5-Trimethylbenzene	<5.31	<5.47	<5.57	-	-	-
1,3-Dichlorobenzene	<5.31	<5.47	<5.57	-	-	-
1,3-Dichloropropane	<5.31	<5.47	<5.57	-	-	-
1,4-Dichlorobenzene	<5.31	<5.47	<5.57	-	-	-
1,4-Diethylbenzene	<5.31	<5.47	<5.57	-	-	-
1,4-Dioxane	<26.5	<27.3	<27.9	-	-	-
2,2-Dichloropropane	<5.31	<5.47	<5.57	-	-	-
2-Chlorotoluene	<5.31	<5.47	<5.57	-	-	-
4-Chlorotoluene	<5.31	<5.47	<5.57	-	-	-
4-Ethyltoluene	<5.31	<5.47	<5.57	-	-	-
4-Isopropyltoluene	<5.31	<5.47	<5.57	-	-	-
4-Methyl-2-Pentanone	<10.6	<10.9	<11.1	-	-	-

NOTES:

- Results reported in ug/kg.
- N/A = Not Available.
- (1) UUSCO Exceeds Unrestricted Use Soil Cleanup Objectives (UUSCO) from NYSDEC Subpart 375.6: Remedial Program Soil Cleanup Objectives.
- (2) PGWSCO Exceeds Protection of Groundwater Soil Cleanup Objectives (PGWSCO) from NYSDEC Subpart 375.6: Remedial Program Soil Cleanup Objectives.
- *(3) RUSCO* Exceeds Residential Use Soil Cleanup Objectives (RUSCO) from NYSDEC Subpart 375.6: Remedial Program Soil Cleanup Objectives.

TABLE 8 (Cont.)
Volatile Analysis
Soil Samples S-1, S-2, S-3

Parameter	S-1	S-2	S-3	UUSCO (1)	PGWSCO (2)	RUSCO (3)
Depth	1-2'	1-2'	1-2'			
Acetone	56.3	63.5	<22.3	50	50	100000
Acrylonitrile	<5.31	<5.47	<5.57	-	-	-
Benzene	<5.31	<5.47	<5.57	-	-	-
Bromobenzene	<5.31	<5.47	<5.57	-	-	-
Bromochloromethane	<5.31	<5.47	<5.57	-	-	-
Bromodichloromethane	<5.31	<5.47	<5.57	-	-	-
Bromoform	<5.31	<5.47	<5.57	-	-	-
Bromomethane	<5.31	<5.47	<5.57	-	-	-
Carbon Disulfide	<5.31	<5.47	<5.57	-	-	-
Carbon Tetrachloride	<5.31	<5.47	<5.57	-	-	-
Chlorobenzene	<5.31	<5.47	<5.57	-	-	-
Chlorodifluoromethane	<5.31	<5.47	<5.57	-	-	-
Chloroethane	<5.31	<5.47	<5.57	-	-	-
Chloroform	<5.31	<5.47	<5.57	-	-	-
Chloromethane	<5.31	<5.47	<5.57	-	-	-
Cis-1,2-Dichloroethene	<5.31	<5.47	<5.57	-	-	-
Cis-1,3-Dichloropropene	<5.31	<5.47	<5.57	-	-	-
Dibromochloromethane	<5.31	<5.47	<5.57	-	-	-
Dibromomethane	<5.31	<5.47	<5.57	-	-	-
Dichlorodifluoromethane	<5.31	<5.47	<5.57	-	-	-
Ethylbenzene	<5.31	<5.47	<5.57	-	-	-
Hexachlorobutadiene	<5.31	<5.47	<5.57	-	-	-
Isopropylbenzene (Cumene)	<5.31	<5.47	<5.57	-	-	-
M,p-Xylenes	<10.6	<10.9	<11.1	-	-	-
Methyl Acetate	<5.31	<5.47	<5.57	-	-	-
Methyl Butyl Ketone (2-Hexanone)	<5.31	<5.47	<5.57	-	-	-
Methyl Ethyl Ketone (2-Butanone)	<10.6	<10.9	<11.1	-	-	-
Methylene Chloride	<5.31	8.41	<5.57	50	50	51000
Methyl-tert-Butyl Ether	<5.31	<5.47	<5.57	-	-	-

NOTES:

- Results reported in ug/kg.
- N/A = Not Available.
- **(1) UUSCO** Exceeds Unrestricted Use Soil Cleanup Objectives (UUSCO) from NYSDEC Subpart 375.6: Remedial Program Soil Cleanup Objectives.
- **(2) PGWSCO** Exceeds Protection of Groundwater Soil Cleanup Objectives (PGWSCO) from NYSDEC Subpart 375.6: Remedial Program Soil Cleanup Objectives.
- ***(3) RUSCO*** Exceeds Residential Use Soil Cleanup Objectives (RUSCO) from NYSDEC Subpart 375.6: Remedial Program Soil Cleanup Objectives.

TABLE 8 (Cont.)
Volatile Analysis
Soil Samples S-1, S-2, S-3

Parameter	S-1	S-2	S-3	UUSCO (1)	PGWSCO (2)	*RUSCO (3)*
Depth	1-2'	1-2'	1-2'			
Naphthalene	<5.31	<5.47	<5.57	-	-	-
n-Butylbenzene	<5.31	<5.47	<5.57	-	-	-
n-Propylbenzene	<5.31	<5.47	<5.57	-	-	-
o-Xylene	<5.31	<5.47	<5.57	-	-	-
Sec-Butylbenzene	<5.31	<5.47	<5.57	-	-	-
Styrene	<5.31	<5.47	<5.57	-	-	-
Tert-Butyl alcohol	<5.31	<5.47	<5.57	-	-	-
Tert-Butylbenzene	<5.31	<5.47	<5.57	-	-	-
Tetrachloroethene	<5.31	<5.47	<5.57	-	-	-
Toluene	<5.31	<5.47	<5.57	-	-	-
Trans-1,2-Dichloroethene	<5.31	<5.47	<5.57	-	-	-
Trans-1,3-Dichloropropene	<5.31	<5.47	<5.57	-	-	-
Trichloroethene	<5.31	<5.47	<5.57	-	-	-
Trichlorofluoromethane	<5.31	<5.47	<5.57	-	-	-
Vinyl Chloride	<5.31	<5.47	<5.57	-	-	-

NOTES:

- Results reported in ug/kg.
- N/A = Not Available.
- **(1) UUSCO** Exceeds Unrestricted Use Soil Cleanup Objectives (UUSCO) from NYSDEC Subpart 375.6: Remedial Program Soil Cleanup Objectives.
- **(2) PGWSCO** Exceeds Protection of Groundwater Soil Cleanup Objectives (PGWSCO) from NYSDEC Subpart 375.6: Remedial Program Soil Cleanup Objectives.
- ***(3) RUSCO*** Exceeds Residential Use Soil Cleanup Objectives (RUSCO) from NYSDEC Subpart 375.6: Remedial Program Soil Cleanup Objectives.

TABLE 9
Semi Volatile Analysis
Soil Samples S-1, S-2, S-3

Parameter	S-1	S-2	S-3	UUSCO (1)	PGWSCO (2)	RUSCO (3)
Depth	1-2'	1-2'	1-2'			
1,2,4-Trichlorobenzene	<159	<163	<166	-	-	-
1,2-Dichlorobenzene	<159	<163	<166	-	-	-
1,3-Dichlorobenzene	<159	<163	<166	-	-	-
1,4-Dichlorobenzene	<159	<163	<166	-	-	-
2,2'-Oxybis(1-chloropropane)	<159	<163	<166	-	-	-
2,4-Dinitrotoluene	<159	<163	<166	-	-	-
2,6-Dinitrotoluene	<159	<163	<166	-	-	-
2-Chloronaphthalene	<159	<163	<166	-	-	-
3,3'Dichlorobenzidine	<318	<327	<333	-	-	-
4-Bromophenyl phenyl ether	<159	<163	<166	-	-	-
4-Chlorophenyl phenyl ether	<159	<163	<166	-	-	-
Acenaphthene	<159	<163	<166	-	-	-
Acenaphthylene	<159	<163	<166	-	-	-
Anthracene	<159	<163	<166	-	-	-
Benzo(a)anthracene	<159	<163	<166	-	-	-
Benzo(a)pyrene	<159	<163	<166	-	-	-
Benzo(b)fluoaranthene	<318	<327	<333	-	-	-
Benzo(g,h,i)perylene	<159	<163	<166	-	-	-
Benzo(k)fluoranthene	<159	<163	<166	-	-	-
Bis(2-Chloroethoxy)methane	<159	<163	<166	-	-	-
Bis(2-Chloroethyl)ether	<159	<163	<166	-	-	-
Bis(2-Ethylhexyl)phthalate	<159	<163	<166	-	-	-
Butyl benzyl Phthalate	<159	<163	<166	-	-	-
Chrysene	<159	<163	<166	-	-	-
Dibenzo(a,h)anthracene	<159	<163	<166	-	-	-
Diethyl phthalate	<159	<163	<166	-	-	-
Dimethyl phthalate	<159	<163	<166	-	-	-
Di-n-butyl phthalate	<318	<327	<333	-	-	-
Di-n-octyl phthalate	<159	<163	<166	-	-	-
Fluoranthene	<159	<163	<166	-	-	-

NOTES:

- Results reported in ug/kg.
- N/A = Not Available.
- **(1) UUSCO** Exceeds Unrestricted Use Soil Cleanup Objectives (UUSCO) from NYSDEC Subpart 375.6: Remedial Program Soil Cleanup Objectives.
- **(2) PGWSCO** Exceeds Protection of Groundwater Soil Cleanup Objectives (PGWSCO) from NYSDEC Subpart 375.6: Remedial Program Soil Cleanup Objectives.
- ***(3) RUSCO*** Exceeds Residential Use Soil Cleanup Objectives (RUSCO) from NYSDEC Subpart 375.6: Remedial Program Soil Cleanup Objectives.

TABLE 9 (Cont.)
Semi Volatile Analysis
Soil Samples S-1, S-2, S-3

Parameter	S-1	S-2	S-3	UUSCO (1)	PGWSCO (2)	*RUSCO (3)*
Depth	1-2'	1-2'	1-2'			
Fluorene	<159	<163	<166	-	-	-
Hexachlorobenzene	<159	<163	<166	-	-	-
Hexachlorobutadiene	<159	<163	<166	-	-	-
Hexachlorocyclopentadiene	<318	<327	<333	-	-	-
Hexachloroethane	<159	<163	<166	-	-	-
Indeno(1,2,3-cd)pyrene	<159	<163	<166	-	-	-
Isophorone	<318	<327	<333	-	-	-
Naphthalene	<159	<163	<166	-	-	-
Nitrobenzene	<159	<163	<166	-	-	-
N-Nitroso-di-n-propylamine	<159	<163	<166	-	-	-
Phenanthrene	<159	<163	<166	-	-	-
Pyrene	<159	<163	<166	-	-	-

NOTES:

- Results reported in ug/kg
- N/A = Not Available
- **(1) UUSCO** Exceeds Unrestricted Use Soil Cleanup Objectives (UUSCO) from NYSDEC Subpart 375.6: Remedial Program Soil Cleanup Objectives.
- **(2) PGWSCO** Exceeds Protection of Groundwater Soil Cleanup Objectives (PGWSCO) from NYSDEC Subpart 375.6: Remedial Program Soil Cleanup Objectives.
- ***(3) RUSCO*** Exceeds Residential Use Soil Cleanup Objectives (RUSCO) from NYSDEC Subpart 375.6: Remedial Program Soil Cleanup Objectives.

TABLE 10
Total Metals Analysis
Soil Samples S-1, S-2, S-3

Parameter	S-1	S-2	S-3	UUSCO (1)	PGWSCO (2)	*RUSCO (3)*
Depth	**1-2'**	**1-2'**	**1-2'**			
Arsenic	1.75	3.05	2.78	**13**	**16**	***16***
Barium	13.4	22.9	27.8	**350**	**820**	***350***
Cadmium	<1.70	<1.74	<1.75	-	-	-
Chromium	6.75	11.4	9.59	**30**	**N/A**	***36***
Lead	10.4	7.40	29.3	**63**	**450**	***400***
Selenium	<1.70	<1.74	<1.75	-	-	-
Silver	<1.70	<1.74	<1.75	-	-	-
Mercury	0.02	<0.02	0.03	**0.18**	**0.73**	***0.81***

NOTES:

- Results reported in mg/kg.
- N/A = Not Available.
- **(1) UUSCO** Exceeds Unrestricted Use Soil Cleanup Objectives (UUSCO) from NYSDEC Subpart 375.6: Remedial Program Soil Cleanup Objectives.
- **(2) PGWSCO** Exceeds Protection of Groundwater Soil Cleanup Objectives (PGWSCO) from NYSDEC Subpart 375.6: Remedial Program Soil Cleanup Objectives.
- ***(3) RUSCO*** Exceeds Residential Use Soil Cleanup Objectives (RUSCO) from NYSDEC Subpart 375.6: Remedial Program Soil Cleanup Objectives.

TABLE 11
Volatile Analysis
Soil/Sludge Sample S-5

Parameter	S-5	Cleanup Objectives (5)
Depth	**5.5-6.5'**	
1,1,1,2-Tetrachloroethane	<11.5	-
1,1,1-Trichloroethane	<11.5	-
1,1,2,2-Tetrachloroethane	<11.5	-
1,1,2-Trichloro-1,2,2-trichloroethane	<11.5	-
1,1,2-Trichloroethane	<11.5	-
1,1-Dichloroethane	<11.5	-
1,1-Dichloroethene	<11.5	-
1,1-Dichloropropene	<11.5	-
1,2,3-Trichlorobenzene	<11.5	-
1,2,3-Trichloropropane	<11.5	-
1,2,4,5-Tetramethylbenzene	17.9	N/A
1,2,4-Trichlorobenzene	<11.5	-
1,2,4-Trimethylbenzene	41.5	3600
1,2-Dibromo-3-chloropropane	<11.5	-
1,2-Dibromomethane	<11.5	-
1,2-Dichlorobenzene	<11.5	-
1,2-Dichloroethane	<11.5	-
1,2-Dichloropropane	<11.5	-
1,3,5-Trimethylbenzene	11.5	8400
1,3-Dichlorobenzene	<11.5	-
1,3-Dichloropropane	<11.5	-
1,4-Dichlorobenzene	<11.5	-
1,4-Diethylbenzene	<11.5	-
1,4-Dioxane	<57.6	-
2,2-Dichloropropane	<11.5	-
2-Chlorotoluene	<11.5	-
4-Chlorotoluene	<11.5	-
4-Ethyltoluene	16.1	N/A
4-Isopropyltoluene	<11.5	-
4-Methyl-2-Pentanone	<23.0	-

NOTES:

- Results reported in ug/kg.
- N/A = Not Available.
- **(5) Cleanup Objectives** Exceeds USEPA Region 2 UIC Cleanup Objectives (January 12, 2011).

TABLE 11 (Cont.)
Volatile Analysis
Soil/Sludge Sample S-5

Parameter	S-5	Cleanup Objectives (5)
Depth	**5.5-6.5'**	
Acetone	181	**1000**
Acrylonitrile	<11.5	-
Benzene	<11.5	-
Bromobenzene	<11.5	-
Bromochloromethane	<11.5	-
Bromodichloromethane	<11.5	-
Bromoform	<11.5	-
Bromomethane	<11.5	-
Carbon Disulfide	211	**2700**
Carbon Tetrachloride	<11.5	-
Chlorobenzene	12.7	**1100**
Chlorodifluoromethane	<11.5	-
Chloroethane	<11.5	-
Chloroform	<11.5	-
Chloromethane	<11.5	-
Cis-1,2-Dichloroethene	<11.5	-
Cis-1,3-Dichloropropene	<11.5	-
Dibromochloromethane	<11.5	-
Dibromomethane	<11.5	-
Dichlorodifluoromethane	<11.5	-
Ethylbenzene	<11.5	-
Hexachlorobutadiene	<11.5	-
Isopropylbenzene (Cumene)	<11.5	-
M,p-Xylenes	<23.0	-
Methyl Acetate	<11.5	-
Methyl Butyl Ketone (2-Hexanone)	<11.5	-
Methyl Ethyl Ketone (2-Butanone)	<23.0	-
Methylene Chloride	<11.5	-
Methyl-tert-Butyl Ether	<11.5	-

NOTES:

- Results reported in ug/kg.
- N/A = Not Available.
- **(5) Cleanup Objectives** Exceeds USEPA Region 2 UIC Cleanup Objectives (January 12, 2011).

TABLE 11 (Cont.)
Volatile Analysis
Soil/Sludge Sample S-5

Parameter	S-5	Cleanup Objectives (5)
Depth	**5.5-6.5'**	
Naphthalene	18.1	12000
n-Butylbenzene	<11.5	-
n-Propylbenzene	<11.5	-
o-Xylene	<11.5	-
Sec-Butylbenzene	<11.5	-
Styrene	<11.5	-
Tert-Butyl alcohol	<11.5	-
Tert-Butylbenzene	<11.5	-
Tetrachloroethene	<11.5	-
Toluene	<11.5	-
Trans-1,2-Dichloroethene	<11.5	-
Trans-1,3-Dichloropropene	<11.5	-
Trichloroethene	<11.5	-
Trichlorofluoromethane	<11.5	-
Vinyl Chloride	<11.5	-

NOTES:

- Results reported in ug/kg.
- N/A = Not Available.
- **(5) Cleanup Objectives** Exceeds USEPA Region 2 UIC Cleanup Objectives (January 12, 2011).

TABLE 12
Semi Volatile Analysis
Soil/Sludge Sample S-5

Parameter	S-5	Cleanup Objectives (5)
Depth	**5.5-6.5'**	
1,2,4-Trichlorobenzene	<1060	-
1,2-Dichlorobenzene	<1060	-
1,3-Dichlorobenzene	<1060	-
1,4-Dichlorobenzene	1680	N/A
2,2'-Oxybis(1-chloropropane)	<1060	-
2,4-Dinitrotoluene	<1060	-
2,6-Dinitrotoluene	<1060	-
2-Chloronaphthalene	<1060	-
3,3'Dichlorobenzidine	<2120	-
4-Bromophenyl phenyl ether	<1060	-
4-Chlorophenyl phenyl ether	<1060	-
Acenaphthene	1080	98000
Acenaphthylene	<1060	-
Anthracene	1300	1000000
Benzo(a)anthracene	3120	1000
Benzo(a)pyrene	3630	22000
Benzo(b)fluoaranthene	5200	1700
Benzo(g,h,i)perylene	3200	1000000
Benzo(k)fluoranthene	1980	1700
Bis(2-Chloroethoxy)methane	<1060	-
Bis(2-Chloroethyl)ether	<1060	-
Bis(2-Ethylhexyl)phthalate	25300	435000
Butyl benzyl Phthalate	<1060	-
Chrysene	4900	1000
Dibenzo(a,h)anthracene	<1060	-
Diethyl phthalate	<1060	-
Dimethyl phthalate	<1060	-
Di-n-butyl phthalate	<2120	-
Di-n-octyl phthalate	<1060	-
Fluoranthene	7890	1000000

NOTES:

- Results reported in ug/kg.
- N/A = Not Available.
- **(5) Cleanup Objectives** Exceeds USEPA Region 2 UIC Cleanup Objectives (January 12, 2011).

TABLE 12 (Cont.)
Semi Volatile Analysis
Soil/Sludge Sample S-5

Parameter	S-5	Cleanup Objectives (5)
Depth	**5.5-6.5'**	
Fluorene	2680	386000
Hexachlorobenzene	<1060	-
Hexachlorobutadiene	<1060	-
Hexachlorocyclopentadiene	<2120	-
Hexachloroethane	<1060	-
Indeno(1,2,3-cd)pyrene	2720	8200
Isophorone	<2120	-
Naphthalene	<1060	-
Nitrobenzene	<1060	-
N-Nitroso-di-n-proplyene	<1060	-
Phenanthrene	9460	1000000
Pyrene	9380	1000000

NOTES:

- Results reported in ug/kg.
- N/A = Not Available.
- **(5) Cleanup Objectives** Exceeds USEPA Region 2 UIC Cleanup Objectives (January 12, 2011).

TABLE 13
Total Metals Analysis
Soil/Sludge Sample S-5

Parameter	S-5	Cleanup Objectives (5)
Depth	**5.5-6.5'**	
Arsenic	20.6	16
Barium	489	820
Cadmium	36.3	7.5
Chromium	198	N/A
Lead	6860	450
Selenium	<2.41	-
Silver	8.67	N/A
Mercury	4.06	0.73

NOTES:

- Results reported in mg/kg.
- N/A = Not Available.
- **(5) Cleanup Objectives** Exceeds USEPA Region 2 UIC Cleanup Objectives (January 12, 2011).

TABLE S13
Metals TCLP Analysis
Soil/Sludge Sample S-5

Parameter	B-1/S-4	TCLP Concentration Limit
Depth	**6-8'**	
Cadmiun	<0.05	-
Chromium	<0.05	-
Lead	0.12	5.0
Mercury	<0.02	-

NOTES:

- Results reported in mg/L.

TABLE 14
VOCs – EPA Method TO-15
Soil Vapor Analytical Results

Parameter	SS-1	SS-2	IA-1 Indoor Air	OA-1 Outdoor Air	GUIDANCE (6)
1,1,1-Trichloroethane	-	-	-	-	See Table 15
1,1,2,2-Tetrachloroethane	-	-	-	-	N/A
1,1,2,2-Trichloro-1,2,2-trichfluoroethane	-	-	-	-	N/A
1,1,2-Trichloroethane	-	-	-	-	N/A
1,1-Dichloroethane	-	-	-	-	N/A
1,1-Dichloroethene	-	-	-	-	See Table 15
1,2,4-Trichlorobenzene	-	-	-	-	N/A
1,2,4-Trimethylbenzene	-	-	-	-	N/A
1,2-Dibromomethane	-	-	-	-	N/A
1,2-Dichlorobenzene	-	-	-	-	N/A
1,2-Dichloroethane	-	-	-	-	N/A
1,2-Dichloropropane	-	-	-	-	N/A
1,2-Dichlorotetrafluoroethane	-	-	-	-	N/A
1,3,5-Trimethylbenzene	-	-	-	-	N/A
1,3-Butadiene	-	-	-	-	N/A
1,3-Dichlorobenzene	-	-	-	-	N/A
1,4-Dichlorobenzene	-	-	-	-	N/A
1,4-Dioxane	-	-	-	-	N/A
4-ethyltoluene	-	-	-	-	N/A
4-Methyl-2-Pentanone	-	-	-	-	N/A
Acetone	-	13.7	18.5	6.79	N/A
Acrolein	-	-	2.41	-	N/A
Benzene	-	-	-	-	N/A
Benzyl chloride	-	-	-	-	N/A
Bromodichloromethane	-	-	-	-	N/A
Bromoform	-	-	-	-	N/A
Bromomethane	-	-	-	-	N/A
Carbon disulfide	-	-	-	-	N/A
Carbon Tetrachloride	-	-	-	-	See Table 15
Chlorobenzene	-	-	-	-	N/A

NOTES:

- Results reported in ug/m3.
- - = Non Detect (at concentrations exceeding laboratory detection limits).
- N/A = Not Available.
- GUIDANCE (6) New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York (Dated October 2006).
- ***Sampling Date: 9/14/2018 (Weather Conditions: Cloudy; 74° F; BP: 30.20 inches; Wind Speed: 12 MPH - NE).***

TABLE 14 (Cont.)
VOCs – EPA Method TO-15
Soil Vapor Analytical Results

Parameter	SS-1	SS-2	IA-1 Indoor Air	OA-1 Outdoor Air	GUIDANCE (6)
Chloroethane	-	-	-	-	N/A
Chloroform	-	-	-	-	N/A
Chloromethane	-	-	-	-	N/A
Cis-1,2-Dichloroethene	-	-	-	-	See Table 15
Cis-1,3-Dichloropropene	-	-	-	-	N/A
Cyclohexane	-	-	-	-	N/A
Dibromochloromethane	-	-	-	-	N/A
Dichlorodifluoromethane	-	-	-	-	N/A
Ethanol	-	-	5.31	5.92	N/A
Ethyl Acetate	-	-	-	3.86	N/A
Ethylbenzene	-	-	-	-	N/A
Hexachlorobutadiene	-	-	-	-	N/A
Isopropanol	-	-	-	-	N/A
m&p Xylene	-	37.7	-	-	N/A
Methyl Butyl Ketone (2-Hexanone)	-	-	-	-	N/A
Methyl Ethyl Ketone (2-Butanone)	-	-	2.95	-	N/A
Methyl Methylacrylate	-	-	-	-	N/A
Methylene chloride	-	27.1	-	-	See Table 15
Methyl-tert-Butyl Ether	-	-	-	-	N/A
Naphthalene	-	-	-	-	N/A
n-Heptane	-	-	-	-	N/A
n-Hexane	-	-	-	-	N/A
o-Xylene	-	-	-	-	N/A
Propylene	-	-	-	-	N/A
Styrene	-	-	-	-	N/A
Tetrachloroethene	638	147	-	-	See Table 15
Tetrahydrofuran	-	-	-	-	N/A
Toluene	-	26.8	-	-	N/A
Trans-1,2-Dichloroethene	-	-	-	-	N/A

NOTES:

- Results reported in ug/m3.
- - = Non Detect (at concentrations exceeding laboratory detection limits).
- N/A = Not Available.
- GUIDANCE (6) New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York (Dated October 2006).
- ***Sampling Date: 9/14/2018 (Weather Conditions: Cloudy; 74° F; BP: 30.20 inches; Wind Speed: 12 MPH - NE).***

TABLE 14 (Cont.)
VOCs – EPA Method TO-15
Soil Vapor Analytical Results

Parameter	SS-1	SS-2	IA-1 Indoor Air	OA-1 Outdoor Air	GUIDANCE (6)
Trans-1,3-Dichloropropene	-	-	-	-	N/A
Trichloroethene	9190	812	-	-	See Table 15
Trichlorofluoromethane	-	-	-	-	N/A
Vinyl Acetate	-	-	-	-	N/A
Vinyl Chloride	-	-	-	-	See Table 15

NOTES:

- Results reported in ug/m3.
- - = Non Detect (at concentrations exceeding laboratory detection limits).
- N/A = Not Available.
- GUIDANCE (6) New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York (Dated October 2006).
- ***Sampling Date: 9/14/2018 (Weather Conditions: Cloudy; 74° F; BP: 30.20 inches; Wind Speed: 12 MPH - NE).***

TABLE 15
VOCs – EPA Method TO-15
Soil Vapor Analytical Results

Parameter	SS-1	SS-2	IA-1 Indoor Air	OA-1 Outdoor Air	GUIDANCE (6)
1,1,1-Trichloroethane (MATRIX B)	-	-	-	-	-
1,1-Dichloroethene (MATRIX A)	-	-	-	-	-
Carbon Tetrachloride (MATRIX A)	-	-	-	-	-
Cis-1,2-Dichlroroethene (MATRIX A)	-	-	-	-	-
Methylene Chloride (MATRIX B)	-	27.1	-	-	No Further Action
Tetrachloroethene (MATRIX B)	638	147	-	-	No Further Action
Trichloroethene (MATRIX A)	9190	812	-	-	MITIGATE
Vinyl Chloride (MATRIX C)	-	-	-	-	-

NOTES:

- Results reported in ug/m3.
- - = Non Detect (at concentrations exceeding laboratory detection limits).
- GUIDANCE (6) New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York (Daled October 2006).
- ***Sampling Date: 9/14/2018 (Weather Conditions: Cloudy; 74° F; BP: 30.20 inches; Wind Speed: 12 MPH - NE).***

No further action: Given that the compound was not detected in the indoor air sample and that the concentration detected in the sub-slab vapor sample is not expected to significantly affect indoor air quality, no additional actions are needed to address human exposures.

Take reasonable and practical actions to identify source(s) and reduce exposures: The concentration detected in the indoor air sample is likely due to indoor and/or outdoor sources rather than soil vapor intrusion given the concentration detected in the sub-slab vapor sample. Therefore, steps should be taken to identify potential source(s) and to reduce exposures accordingly (e.g., by keeping containers tightly capped or by storing VOC containing products in places where people do not spend much time, such as a garage or outdoor shed). Resampling may be recommended to demonstrate the effectiveness of actions taken to reduce exposures.

MONITOR: Monitoring, including sub-slab vapor, basement air, lowest occupied living space area, and outdoor air sampling is needed to determine whether concentrations in the indoor air or sub-slab vapor air have changed. Monitoring may also be needed to determine whether existing building conditions (e.g., positive pressure heating, ventilation, and air conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined on a site specific and building specific basis, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

MITIGATE:
Mitigation is needed to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system, and changing the pressurization of the building in conjunction with monitoring. The type, or combinations of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated media are remediated.

MONITOR/MITIGATE: Monitoring or mitigation may be recommended after considering the magnitude of sub-slab vapor and indoor air concentrations along with building- and site- specific conditions.

TABLE 16
EPA Method TO-15
Soil Vapor Analytical Results

Parameter	IA-1 Indoor Air	OA-1 Outdoor Air	AIR GUIDANCE VALUE (6)
Methylene Chloride	-	-	-
Tetrachloroethene	-	-	-
Trichloroethene	-	-	-

NOTES:

- Results reported in ug/m3.
- - = Non Detect (at concentrations exceeding laboratory detection limits).
- Bold & Shaded= Exceedances of Air Guidance Value.
- AIR GUIDANCE VALUE (6) New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York - Table 3.1 Air Guideline Values (Dated October 2006).
- ***Sampling Date: 9/14/2018 (Weather Conditions: Cloudy; 74° F; BP: 30.20 inches; Wind Speed: 12 MPH - NE).***

TABLE 17
EPA Method TO-15
Soil Vapor Analytical Results

Parameter	IA-1	Indoor Levels of VOCs (7)
1,1,1-Trichloroethane	-	-
1,1,2,2-Tetrachloroethane	-	-
1,1,2-Trichloro-1,2,2-trifluoroethane	-	-
1,1,2-Trichloroethane	-	-
1,1-Dichloroethane	-	-
1,1-Dichloroethene	-	-
1,2,4-Trichlorobenzene	-	-
1,2,4-Trimethylbenzene	-	-
1,2-Dibromomethane	-	-
1,2-Dichlorobenzene	-	-
1,2-Dichloroethane	-	-
1,2-Dichloropropane	-	-
1,2-Dichlorotrafluoroethane	-	-
1,2-Dichlorotetrafluoroethane	-	-
1,3,5-Trimethylbenzene	-	-
1,3-Butadiene	-	-
1,3-Dichlorobenzene	-	-
1,4-Dichlorobenzene	-	-
1,4-Dioxane	-	-
4-Ethyltoluene	-	-
4-Methyl-2-Pentanone	-	-
Acetone	18.5	10-52
Acrolein	2.41	N/A
Benzene	-	-
Benzyl chloride	-	-
Bromodichloromethane	-	-
Bromoform	-	-
Bromomethane	-	-
Carbon disulfide	-	-
Carbon Tetrachloride	-	-
Chlorobenzene	-	-

NOTES:

- Results reported in ug/m3.
- - = Non Detect (at concentrations exceeding laboratory detection limits).
- Bold & Shaded= Exceedances of Air Guidance Value.
- Indoor Levels of VOCs (7) New York State Department of Health (NYSDOH) Summary of Indoor Levels of VOCs (25th and 75th Pctl) from Fuel Oil Heated Homes in NYS, 1997 – 2003 (Revised November 14, 2005).
- ***Sampling Date: 9/14/2018 (Weather Conditions: Cloudy; 74° F; BP: 30.20 inches; Wind Speed: 12 MPH - NE).***

TABLE 17 (Cont.)
EPA Method TO-15
Soil Vapor Analytical Results

Parameter	IA-1	Indoor Levels of VOCs (7)
Chloroethane	-	-
Chloroform	-	-
Chloromethane	-	-
Cis-1,2-Dichloroethene	-	-
Cis-1,3-Dichloropropene	-	-
Cyclohexane	-	-
Dibromochloromethane	-	-
Dichloroodifluoromethane	-	-
Ethanol	5.31	N/A
Ethyl Acetate	-	-
Ethylbenzene	-	-
Hexachlorobutadiene	-	-
Isopropanol	-	-
M,p-Xylenes	-	-
Methyl Butyl Ketone (2-Hexanone)	-	-
Methyl Ethyl Ketone (2-Butanone)	2.95	1.4-7.3
Methyl Methacrylate	-	-
Methylene Chloride	-	-
Methyl-tert-Butyl Ether	-	-
Naphthalene	-	-
n-Heptane	-	-
n-Hexane	-	-
o-Xylene	-	-
Propylene	-	-
Styrene	-	-
Tetrachloroethene	-	-
Tetrahydrofuran	-	-
Toluene	-	-
Trans-1,2-Dichloroethene	-	-

NOTES:

- Results reported in ug/m3.
- - = Non Detect (at concentrations exceeding laboratory detection limits).
- Bold & Shaded= Exceedances of 25th – 75th Percentile Values.
- Indoor Levels of VOCs (7) New York State Department of Health (NYSDOH) Summary of Indoor Levels of VOCs (25th and 75th Pctl) from Fuel Oil Heated Homes in NYS, 1997 – 2003 (Revised November 14, 2005).
- ***Sampling Date: 9/14/2018 (Weather Conditions: Cloudy; 74° F; BP: 30.20 inches; Wind Speed: 12 MPH - NE).***

TABLE 17 (Cont.)
EPA Method TO-15
Soil Vapor Analytical Results

Parameter	IA-1	Indoor Levels of VOCs (7)
Trans-1,3-Dichloropropene	-	-
Trichloroethene	-	-
Trichlorofluoromethane	-	-
Vinyl Acetate	-	-
Vinyl Chloride	-	-

NOTES:

- Results reported in ug/m3.
- - = Non Detect (at concentrations exceeding laboratory detection limits).
- Bold & Shaded= Exceedances of Air Guidance Value.
- Indoor Levels of VOCs (7) New York State Department of Health (NYSDOH) Summary of Indoor Levels of VOCs (25^{th} and 75^{th} Pctl) from Fuel Oil Heated Homes in NYS, 1997 – 2003 (Revised November 14, 2005).
- ***Sampling Date: 9/14/2018 (Weather Conditions: Cloudy; 74° F; BP: 30.20 inches; Wind Speed: 12 MPH - NE).***

Table 1

47 Broadway, Lynbrook, New York

Soil Analytical Results Summary

Field Sample ID	NYDEC 375-6 Soil Cleanup Obj UnRestricted Use	NYDEC 375-6 Soil Cleanup Obj Restricted Use Residential	NYDEC 375-6 Soil Cleanup Obj Restricted Use Restricted Resid	NYDEC 375-6 Soil Cleanup Obj Restricted Use Commercial	NYDEC 375-6 Soil Cleanup Obj Restricted Use Industrial	NYDEC 375-6 Soil Cleanup Obj Restricted Use Protection of EC	NYDEC 375-6 Soil Cleanup Obj Restricted Use Protection of GW	SB01	SB02	SB03	SB04	SB-05(8-8.5)	SB-06(10.5-11)	SB-07(10.5-11)	SB-08(10.5-11)	SB-09(5.5-6)	SB-10(8-9)	SB-11(9-9.5)
Lab Sample ID								460-224303-1	460-224303-2	460-224303-3	460-224303-4	460-224910-1	460-224910-2	460-224910-3	460-224910-4	460-224910-7	460-224910-8	460-224910-9
Sampling Date								12/6/2020	12/6/2020	12/6/2020	12/6/2020	12/14/2020	12/14/2020	12/14/2020	12/14/2020	12/15/2020	12/15/2020	12/15/2020
Matrix								Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Units								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
								Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs																		
1,1,1-Trichloroethane	0.68	100	100	500	1000	NS	0.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.27	19	26	240	480	NS	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.33	100	100	500	1000	NS	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1.1	100	100	500	1000	NS	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.02	2.3	3.1	30	60	10	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2.4	17	49	280	560	NS	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1.8	9.8	13	130	250	20	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	0.1	9.8	13	130	250	0.1	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	0.12	100	100	500	1000	100	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	0.05	100	100	500	1000	2.2	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	0.06	2.9	4.8	44	89	70	0.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.76	1.4	2.4	22	44	NS	0.76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1.1	100	100	500	1000	40	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobromomethane	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorodibromomethane	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	0.37	10	49	350	700	12	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.25	59	100	500	1000	NS	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorobromomethane	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	30	41	390	780	NS	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylene Dibromide	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl acetate	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	0.93	62	100	500	1000	NS	0.93	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	0.05	51	100	500	1000	12	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m-Xylene & p-Xylene	NS	NS	NS	NS	NS	NS	NS	ND	ND	0.00023 J	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.3	5.5	19	150	300	2	1.3	ND	ND	ND	ND	ND	ND	ND	ND	0.0096	ND	ND
Toluene	0.7	100	100	500	1000	36	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.19	100	100	500	1000	NS	0.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	0.47	10	21	200	400	2	0.47	ND	ND	ND	ND	ND	ND	0.0023	ND	0.0021	ND	ND
Trichlorofluoromethane	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.02	0.21	0.9	13	27	NS	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Conc	NS	NS	NS	NS	NS	NS	NS	0.0	0.0	0.00023	0.0	0.0	0.0	0.0023	0.0	0.0117	0.0	0.0
Total Estimated Conc. (TICs)	NS	NS	NS	NS	NS	NS	NS	0.0*T	0.0*T	0.0*T	0.0*T							

Table 1

47 Broadway, Lynbrook, New York

Soil Analytical Results Summary

Field Sample ID	NYDEC 375-6 Soil Cleanup Obj UnRestricted Use	NYDEC 375-6 Soil Cleanup Obj Restricted Use Residential	NYDEC 375-6 Soil Cleanup Obj Restricted Use Restricted Resid	NYDEC 375-6 Soil Cleanup Obj Restricted Use Commercial	NYDEC 375-6 Soil Cleanup Obj Restricted Use Industrial	NYDEC 375-6 Soil Cleanup Obj Restricted Use Protection of EC	NYDEC 375-6 Soil Cleanup Obj Restricted Use Protection of GW	SB01	SB02	SB03	SB04	SB-05(8-8.5)	SB-06(10.5-11)	SB-07(10.5-11)	SB-08(10.5-11)	SB-09(5.5-6)	SB-10(8-9)	SB-11(9-9.5)
Lab Sample ID								460-224303-1	460-224303-2	460-224303-3	460-224303-4	460-224910-1	460-224910-2	460-224910-3	460-224910-4	460-224910-7	460-224910-8	460-224910-9
Sampling Date								12/6/2020	12/6/2020	12/6/2020	12/6/2020	12/14/2020	12/14/2020	12/14/2020	12/14/2020	12/15/2020	12/15/2020	12/15/2020
Matrix								Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Units								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
								Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
SVOCs																		
1,1'-Biphenyl	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2'-oxybis[1-chloropropane]	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	0.028 J	ND	ND
2-Methylphenol	0.33	100	100	500	1000	NS	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	0.33	34	100	500	1000	NS	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	0.061 J	ND	ND	ND	ND	ND	ND
Acenaphthene	20	100	100	500	1000	20	98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100	100	100	500	1000	NS	107	ND	ND	ND	ND	ND	ND	ND	ND	0.035 J	ND	ND
Acetophenone	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100	100	100	500	1000	NS	1000	ND	ND	ND	ND	ND	ND	ND	ND	0.055 J	ND	ND
Atrazine	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzaldehyde	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	1	1	1	5.6	11	NS	1	ND	ND	ND	ND	ND	ND	0.024 J	0.021 J	0.17	ND	0.015 J
Benzo[a]pyrene	1	1	1	1	1.1	2.6	22	ND	ND	ND	ND	ND	ND	ND	ND	0.28	0.014 J	ND
Benzo[b]fluoranthene	1	1	1	5.6	11	NS	1.7	ND	ND	ND	ND	ND	ND	ND	ND	0.41	0.014 J	ND
Benzo[g,h,i]perylene	100	100	100	500	1000	NS	1000	ND	ND	ND	ND	ND	ND	ND	ND	0.17 J	ND	ND
Benzo[k]fluoranthene	0.8	1	3.9	56	110	NS	1.7	ND	ND	ND	ND	ND	ND	ND	ND	0.14	ND	ND
Bis(2-chloroethoxy)methane	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	0.20 J	ND	ND	ND	ND	ND
Butyl benzyl phthalate	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Caprolactam	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	0.043 J	ND	ND
Chrysene	1	1	3.9	56	110	NS	1	ND	ND	ND	ND	ND	ND	0.019 J	0.014 J	0.26 J	ND	0.011 J
Dibenz(a,h)anthracene	0.33	0.33	0.33	0.56	1.1	NS	1000	ND	ND	ND	ND	ND	ND	ND	ND	0.037	ND	ND
Dibenzofuran	7	14	59	350	1000	NS	210	ND	ND	ND	ND	ND	ND	ND	ND	0.031 J	ND	ND
Diethyl phthalate	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	0.031 J	ND	ND	ND	ND
Dimethyl phthalate	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100	100	100	500	1000	NS	1000	ND	ND	ND	ND	ND	ND	ND	0.030 J	0.44	ND	ND
Fluorene	30	100	100	500	1000	30	386	ND	ND	ND	ND	0.0083 J	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.33	0.33	1.2	6	12	NS	3.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	0.5	0.5	0.5	5.6	11	NS	8.2	ND	ND	ND	ND	ND	ND	ND	ND	0.20	ND	ND
Isophorone	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12	100	100	500	1000	NS	12	ND	ND	ND	ND	ND	ND	ND	ND	0.027 J	ND	ND
Nitrobenzene	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodi-n-propylamine	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	0.8	2.4	6.7	6.7	55	0.8	0.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100	100	100	500	1000	NS	1000	ND	ND	ND	ND	0.025 J	ND	0.028 J	0.019 J	0.27 J	ND	0.015 J
Phenol	0.33	100	100	500	1000	30	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	100	100	100	500	1000	NS	1000	ND	ND	ND	ND	ND	ND	0.021 J	0.029 J	0.40	ND	0.019 J
Total Conc	NS	NS	NS	NS	NS	NS	NS	0.0	0.0	0.0	0.0	0.0943	0.2	0.123	0.113	2.996	0.028	0.06
Total Estimated Conc. (TICs)	NS	NS	NS	NS	NS	NS	NS	0.36	0.31	0.29	0.56	1.19	0.32	0.46	0.4	5.96	8.66	0.45
Metals																		
Arsenic	13	16	16	16	16	13	16	1.3	0.66 J	1.3	0.64 J	1.1	1.2	0.46 J	0.96 J	1.7	1.2	1.1
Barium	350	350	400	400	10000	433	820	11.0	7.8	9.6	10.6	12.5	11.4 F1	14.8	9.2	26.3	16.5	11.1
Cadmium	2.5	2.5	4.3	9.3	60	4	7.5	ND	ND	ND	ND	ND	ND	ND	ND	0.24 J	ND	ND
Chromium	NS	NS	NS	NS	NS	NS	NS	5.3	4.0	4.7	3.9	5.6	4.7	6.3	4.3	8.7	11.7	5.6
Lead	63	400	400	1000	3900	63	450	5.8	1.4	2.4	1.3	2.8	3.0	1.3	2.5	511	25.0	2.6
Selenium	3.9	36	180	1500	6800	3.9	4	0.15 J	ND	ND	ND	ND	ND	ND	ND	0.33 J	ND	ND
Silver	2	36	180	1500	6800	2	8.3	ND	ND	ND	ND	ND	ND	ND	ND	0.31 J	ND	ND
Mercury	0.18	0.81	0.81	2.8	5.7	0.18	0.73	0.0084 J	ND	ND	ND	ND	ND	ND	ND	0.19	ND	ND

Notes:

ND: Not Detected

NS: No Standard

J : Estimated Value

Highlighted Concentrations exceed a standard

F1 : MS and/or MSD recovery exceeds control limits.

Table 2

47 Broadway, Lynbrook, New York

Groundwater Analytical Results Summary

Field Sample ID	NYCRR Part 703 GW Discharge Criteria	SB01TWP	SB-06	SB-07	SB-09
Lab Sample ID		460-224303-5	460-224910-5	460-224910-6	460-224910-10
Sampling Date		12/6/2020	12/14/2020	12/14/2020	12/15/2020
Matrix		Water	Water	Water	Water
Unit		ug/l	ug/l	ug/l	ug/l
		Result	Result	Result	Result
VOCs					
1,1,1-Trichloroethane	NS	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	NS	ND	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND	ND
1,1-Dichloroethane	NS	ND	ND	ND	ND
1,1-Dichloroethene	NS	ND	ND	ND	ND
1,2,3-Trichlorobenzene	NS	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NS	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	0.04	ND	ND	ND	ND
1,2-Dibromoethane	0.0006	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND	ND
1,2-Dichloropropane	1	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND
1,4-Dioxane	NS	ND	ND	ND	ND
2-Butanone	NS	ND	ND	ND	ND
2-Hexanone	NS	ND	ND	ND	ND
4-Methyl-2-pentanone	NS	ND	ND	ND	ND
Acetone	NS	4.9 J	ND	ND	ND
Benzene	1	ND	ND	ND	ND
Bromochloromethane	NS	ND	ND	ND	ND
Bromodichloromethane	NS	ND	ND	ND	ND
Bromoform	NS	ND	ND	ND	ND
Bromomethane	NS	ND	ND	ND	ND
Carbon disulfide	120	ND	ND	ND	ND
Carbon tetrachloride	5	ND	ND	ND	ND
Chlorobenzene	NS	ND	ND	ND	ND
Chloroethane	NS	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND
Chloromethane	NS	ND	ND	ND	ND
cis-1,2-Dichloroethene	NS	ND	ND	ND	1.2
cis-1,3-Dichloropropene	NS	ND	ND	ND	ND
Cyclohexane	NS	ND	ND	ND	ND
Dibromochloromethane	NS	ND	ND	ND	ND
Dichlorodifluoromethane	NS	ND	ND	ND	ND
Ethylbenzene	NS	ND	ND	ND	ND
Freon TF	NS	ND	ND	ND	ND
Isopropylbenzene	NS	ND	ND	ND	ND
m&p-Xylene	NS	ND	ND	ND	ND
Methyl acetate	NS	ND	ND	ND	ND
Methylcyclohexane	NS	ND	ND	ND	ND
Methylene Chloride	5	ND	ND	0.60 J	ND
MTBE	NS	ND	ND	ND	ND
o-Xylene	NS	ND	ND	ND	ND
Styrene	5	ND	ND	ND	ND
Tetrachloroethene	NS	ND	ND	1.8	0.39 J
Toluene	NS	ND	ND	ND	ND
trans-1,2-Dichloroethene	NS	ND	ND	ND	ND
trans-1,3-Dichloropropene	NS	ND	ND	ND	ND
Trichloroethene	5	ND	ND	23	1.4
Trichlorofluoromethane	NS	ND	ND	ND	ND
Vinyl chloride	2	ND	ND	ND	ND
Total Conc	NS	4.9	0.0	25.4	2.99
Total Estimated Conc. (TICs)	NS	0.0*T	0.0*T	0.0*T	0.0*T

Table 2

47 Broadway, Lynbrook, New York

Groundwater Analytical Results Summary

Field Sample ID	NYCRR Part 703 GW Discharge Criteria	SB01TWP	SB-06	SB-07	SB-09
Lab Sample ID		460-224303-5	460-224910-5	460-224910-6	460-224910-10
Sampling Date		12/6/2020	12/14/2020	12/14/2020	12/15/2020
Matrix		Water	Water	Water	Water
Unit		ug/l	ug/l	ug/l	ug/l
		Result	Result	Result	Result
SVOCs					
1,1'-Biphenyl	NS	ND	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	NS	ND	ND	ND	ND
2,2'-oxybis[1-chloropropane]	NS	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	NS	ND	ND	ND	ND
2,3,7,8-TCDD	0.0000007	ND	ND	ND	ND
2,4,5-Trichlorophenol	NS	ND	ND	ND	ND
2,4,6-Trichlorophenol	NS	ND	ND	ND	ND
2,4-Dichlorophenol	NS	ND	ND	ND	ND
2,4-Dimethylphenol	NS	ND	ND	ND	ND
2,4-Dinitrophenol	NS	ND	ND	ND	ND
2,4-Dinitrotoluene	NS	ND	ND	ND	ND
2,6-Dinitrotoluene	NS	ND	ND	ND	ND
2-Chloronaphthalene	NS	ND	ND	ND	ND
2-Chlorophenol	NS	ND	ND	ND	ND
2-Methylnaphthalene	NS	ND	ND	ND	ND
2-Methylphenol	NS	ND	ND	ND	ND
2-Nitroaniline	NS	ND	ND	ND	ND
2-Nitrophenol	NS	ND	ND	ND	ND
3,3'-Dichlorobenzidine	NS	ND	ND	ND	ND
3-Nitroaniline	NS	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	NS	ND	ND	ND	ND
4-Bromophenyl phenyl ether	NS	ND	ND	ND	ND
4-Chloro-3-methylphenol	NS	ND	ND	ND	ND
4-Chloroaniline	NS	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	NS	ND	ND	ND	ND
4-Methylphenol	NS	ND	ND	ND	ND
4-Nitroaniline	NS	ND	ND	ND	ND
4-Nitrophenol	NS	ND	ND	ND	ND
Acenaphthene	NS	ND	ND	ND	ND
Acenaphthylene	NS	ND	ND	ND	ND
Acetophenone	NS	ND	ND	ND	ND
Anthracene	NS	ND	ND	ND	ND
Atrazine	7.5	ND	ND	ND	ND
Benzaldehyde	NS	ND	ND	ND	ND
Benzo[a]anthracene	NS	ND	ND	ND	ND
Benzo[a]pyrene	0	ND	ND	ND	ND
Benzo[b]fluoranthene	NS	ND	ND	ND	ND
Benzo[g,h,i]perylene	NS	ND	ND	ND	ND
Benzo[k]fluoranthene	NS	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	NS	ND	ND	ND	ND
Bis(2-chloroethyl)ether	1	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	5	ND	ND	ND	ND
Butyl benzyl phthalate	NS	ND	ND	ND	ND
Caprolactam	NS	29	ND	ND	ND
Carbazole	NS	ND	ND	ND	ND
Chrysene	NS	ND	ND	ND	ND
Dibenz(a,h)anthracene	NS	ND	ND	ND	ND
Dibenzofuran	NS	ND	ND	ND	ND
Diethyl phthalate	NS	3.2 J	ND	ND	ND
Dimethyl phthalate	NS	ND	ND	ND	ND
Di-n-butyl phthalate	50	ND	ND	ND	ND
Di-n-octyl phthalate	NS	ND	ND	ND	ND
Fluoranthene	NS	ND	ND	ND	ND
Fluorene	NS	ND	ND	ND	ND
Hexachlorobenzene	0.04	ND	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND	ND
Hexachlorocyclopentadiene	NS	ND	ND	ND	ND
Hexachloroethane	NS	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	NS	ND	ND	ND	ND
Isophorone	NS	ND	ND	ND	ND
Naphthalene	NS	ND	ND	ND	ND
Nitrobenzene	0.4	ND	ND	ND	ND
N-Nitrosodi-n-propylamine	NS	ND	ND	ND	ND
N-Nitrosodiphenylamine	NS	ND	ND	ND	ND
Pentachlorophenol	NS	ND	ND	ND	ND
Phenanthrene	NS	ND	ND	ND	ND
Phenol	NS	ND	ND	ND	ND
Pyrene	NS	ND	ND	ND	ND
Total Conc	NS	32.2	0.0	0.0	0.0
Total Estimated Conc. (TICs)	NS	26.2	6.8	0.0*T	6.6
Metals					
Arsenic	50	113	31.9	53.0	29.5
Barium	2000	766 J	354	576	570
Cadmium	10	ND	0.60 J	0.77 J	4.6
Chromium	NS	608	181	279	242
Lead	50	1150	127	197	459
Selenium	20	ND	3.7	3.6	4.2
Silver	100	ND	ND	ND	0.42 J
Hg	1.4	3.6	ND	ND	0.35

Notes:

ND: Not Detected

NS: No Standard

J : Estimated Value

Highlighted Concentrations exceed a standard

Table 3

47 Broadway, Lynbrook, New York

Drywell Sediment Analytical Results Summary

Field Sample ID	NYDEC 375-6 Soil Cleanup Obj UnRestricted Use	NYDEC 375-6 Soil Cleanup Obj Restricted Use Residential	NYDEC 375-6 Soil Cleanup Obj Restricted Use Restricted Resid	NYDEC 375-6 Soil Cleanup Obj Restricted Use Commercial	NYDEC 375-6 Soil Cleanup Obj Restricted Use Industrial	NYDEC 375-6 Soil Cleanup Obj Restricted Use Protection of EC	NYDEC 375-6 Soil Cleanup Obj Restricted Use Protection of GW	DRYWELL
Lab Sample ID								460-224910-11
Sampling Date								12/15/2020
Matrix								Sediment
Units								mg/kg
								Result
VOCs								
1,1,1-Trichloroethane	0.68	100	100	500	1000	NS	0.68	ND
1,1,2,2-Tetrachloroethane	NS	NS	NS	NS	NS	NS	NS	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	NS	NS	NS	NS	NS	NS	NS	ND
1,1,2-Trichloroethane	NS	NS	NS	NS	NS	NS	NS	ND
1,1-Dichloroethane	0.27	19	26	240	480	NS	0.27	ND
1,1-Dichloroethene	0.33	100	100	500	1000	NS	0.33	ND
1,2,3-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	ND
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	ND
1,2-Dibromo-3-Chloropropane	NS	NS	NS	NS	NS	NS	NS	ND
1,2-Dichlorobenzene	1.1	100	100	500	1000	NS	1.1	ND
1,2-Dichloroethane	0.02	2.3	3.1	30	60	10	0.02	ND
1,2-Dichloropropane	NS	NS	NS	NS	NS	NS	NS	ND
1,3-Dichlorobenzene	2.4	17	49	280	560	NS	2.4	ND
1,4-Dichlorobenzene	1.8	9.8	13	130	250	20	1.8	0.0030
1,4-Dioxane	0.1	9.8	13	130	250	0.1	0.1	ND
2-Butanone (MEK)	0.12	100	100	500	1000	100	0.12	0.023
2-Hexanone	NS	NS	NS	NS	NS	NS	NS	ND
4-Methyl-2-pentanone (MIBK)	NS	NS	NS	NS	NS	NS	NS	ND
Acetone	0.05	100	100	500	1000	2.2	0.05	0.093
Benzene	0.06	2.9	4.8	44	89	70	0.06	ND
Bromoform	NS	NS	NS	NS	NS	NS	NS	ND
Bromomethane	NS	NS	NS	NS	NS	NS	NS	ND
Carbon disulfide	NS	NS	NS	NS	NS	NS	NS	0.0059
Carbon tetrachloride	0.76	1.4	2.4	22	44	NS	0.76	ND
Chlorobenzene	1.1	100	100	500	1000	40	1.1	0.0011 J
Chlorobromomethane	NS	NS	NS	NS	NS	NS	NS	ND
Chlorodibromomethane	NS	NS	NS	NS	NS	NS	NS	ND
Chloroethane	NS	NS	NS	NS	NS	NS	NS	ND
Chloroform	0.37	10	49	350	700	12	0.37	ND
Chloromethane	NS	NS	NS	NS	NS	NS	NS	ND
cis-1,2-Dichloroethene	0.25	59	100	500	1000	NS	0.25	ND
cis-1,3-Dichloropropene	NS	NS	NS	NS	NS	NS	NS	ND
Cyclohexane	NS	NS	NS	NS	NS	NS	NS	0.0012
Dichlorobromomethane	NS	NS	NS	NS	NS	NS	NS	ND
Dichlorodifluoromethane	NS	NS	NS	NS	NS	NS	NS	ND
Ethylbenzene	1	30	41	390	780	NS	1	0.0027
Ethylene Dibromide	NS	NS	NS	NS	NS	NS	NS	ND
Isopropylbenzene	NS	NS	NS	NS	NS	NS	NS	0.00036 J
Methyl acetate	NS	NS	NS	NS	NS	NS	NS	ND
Methyl tert-butyl ether	0.93	62	100	500	1000	NS	0.93	ND
Methylcyclohexane	NS	NS	NS	NS	NS	NS	NS	ND
Methylene Chloride	0.05	51	100	500	1000	12	0.05	ND
m-Xylene & p-Xylene	NS	NS	NS	NS	NS	NS	NS	0.00066 J
o-Xylene	NS	NS	NS	NS	NS	NS	NS	ND
Styrene	NS	NS	NS	NS	NS	NS	NS	ND
Tetrachloroethene	1.3	5.5	19	150	300	2	1.3	ND
Toluene	0.7	100	100	500	1000	36	0.7	ND
trans-1,2-Dichloroethene	0.19	100	100	500	1000	NS	0.19	ND
trans-1,3-Dichloropropene	NS	NS	NS	NS	NS	NS	NS	ND
Trichloroethene	0.47	10	21	200	400	2	0.47	ND
Trichlorofluoromethane	NS	NS	NS	NS	NS	NS	NS	ND
Vinyl chloride	0.02	0.21	0.9	13	27	NS	0.02	ND
Total Conc	NS	NS	NS	NS	NS	NS	NS	0.13092
Total Estimated Conc. (TICs)	NS	NS	NS	NS	NS	NS	NS	

Table 3

47 Broadway, Lynbrook, New York

Drywell Sediment Analytical Results Summary

Field Sample ID	NYDEC 375-6 Soil Cleanup Obj UnRestricted Use	NYDEC 375-6 Soil Cleanup Obj Restricted Use Residential	NYDEC 375-6 Soil Cleanup Obj Restricted Use Restricted Resid	NYDEC 375-6 Soil Cleanup Obj Restricted Use Commercial	NYDEC 375-6 Soil Cleanup Obj Restricted Use Industrial	NYDEC 375-6 Soil Cleanup Obj Restricted Use Protection of EC	NYDEC 375-6 Soil Cleanup Obj Restricted Use Protection of GW	DRYWELL
Lab Sample ID								460-224910-11
Sampling Date								12/15/2020
Matrix								Sediment
Units								mg/kg
								Result
VOCs								
1,1,1-Trichloroethane	0.68	100	100	500	1000	NS	0.68	ND
1,1,2,2-Tetrachloroethane	NS	NS	NS	NS	NS	NS	NS	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	NS	NS	NS	NS	NS	NS	NS	ND
1,1,2-Trichloroethane	NS	NS	NS	NS	NS	NS	NS	ND
1,1-Dichloroethane	0.27	19	26	240	480	NS	0.27	ND
SVOCs								
1,1'-Biphenyl	NS	NS	NS	NS	NS	NS	NS	0.068 J
1,2,4,5-Tetrachlorobenzene	NS	NS	NS	NS	NS	NS	NS	ND
2,2'-oxybis[1-chloropropane]	NS	NS	NS	NS	NS	NS	NS	ND
2,3,4,6-Tetrachlorophenol	NS	NS	NS	NS	NS	NS	NS	ND
2,4,5-Trichlorophenol	NS	NS	NS	NS	NS	NS	NS	ND
2,4,6-Trichlorophenol	NS	NS	NS	NS	NS	NS	NS	ND
2,4-Dichlorophenol	NS	NS	NS	NS	NS	NS	NS	ND
2,4-Dimethylphenol	NS	NS	NS	NS	NS	NS	NS	0.023 J
2,4-Dinitrophenol	NS	NS	NS	NS	NS	NS	NS	ND
2,4-Dinitrotoluene	NS	NS	NS	NS	NS	NS	NS	ND
2,6-Dinitrotoluene	NS	NS	NS	NS	NS	NS	NS	ND
2-Chloronaphthalene	NS	NS	NS	NS	NS	NS	NS	ND
2-Chlorophenol	NS	NS	NS	NS	NS	NS	NS	ND
2-Methylnaphthalene	NS	NS	NS	NS	NS	NS	NS	0.22 J
2-Methylphenol	0.33	100	100	500	1000	NS	0.33	0.021 J
2-Nitroaniline	NS	NS	NS	NS	NS	NS	NS	ND
2-Nitrophenol	NS	NS	NS	NS	NS	NS	NS	ND
3,3'-Dichlorobenzidine	NS	NS	NS	NS	NS	NS	NS	ND
3-Nitroaniline	NS	NS	NS	NS	NS	NS	NS	ND
4,6-Dinitro-2-methylphenol	NS	NS	NS	NS	NS	NS	NS	ND
4-Bromophenyl phenyl ether	NS	NS	NS	NS	NS	NS	NS	ND
4-Chloro-3-methylphenol	NS	NS	NS	NS	NS	NS	NS	ND
4-Chloroaniline	NS	NS	NS	NS	NS	NS	NS	ND
4-Chlorophenyl phenyl ether	NS	NS	NS	NS	NS	NS	NS	ND
4-Methylphenol	0.33	34	100	500	1000	NS	0.33	0.078 J
4-Nitroaniline	NS	NS	NS	NS	NS	NS	NS	ND
4-Nitrophenol	NS	NS	NS	NS	NS	NS	NS	ND
Acenaphthene	20	100	100	500	1000	20	98	0.058 J
Acenaphthylene	100	100	100	500	1000	NS	107	0.11 J
Acetophenone	NS	NS	NS	NS	NS	NS	NS	0.17 J
Anthracene	100	100	100	500	1000	NS	1000	0.18 J
Atrazine	NS	NS	NS	NS	NS	NS	NS	ND
Benzaldehyde	NS	NS	NS	NS	NS	NS	NS	0.25 J
Benzo[a]anthracene	1	1	1	5.6	11	NS	1	0.54
Benzo[a]pyrene	1	1	1	1	1.1	2.6	22	0.69
Benzo[b]fluoranthene	1	1	1	5.6	11	NS	1.7	1.1
Benzo[g,h,i]perylene	100	100	100	500	1000	NS	1000	0.41 J
Benzo[k]fluoranthene	0.8	1	3.9	56	110	NS	1.7	0.36
Bis(2-chloroethoxy)methane	NS	NS	NS	NS	NS	NS	NS	ND
Bis(2-chloroethyl)ether	NS	NS	NS	NS	NS	NS	NS	ND
Bis(2-ethylhexyl) phthalate	NS	NS	NS	NS	NS	NS	NS	1.6
Butyl benzyl phthalate	NS	NS	NS	NS	NS	NS	NS	0.025 J
Caprolactam	NS	NS	NS	NS	NS	NS	NS	ND
Carbazole	NS	NS	NS	NS	NS	NS	NS	0.086 J
Chrysene	1	1	3.9	56	110	NS	1	0.68
Dibenz(a,h)anthracene	0.33	0.33	0.33	0.56	1.1	NS	1000	0.10
Dibenzofuran	7	14	59	350	1000	NS	210	0.050 J
Diethyl phthalate	NS	NS	NS	NS	NS	NS	NS	ND
Dimethyl phthalate	NS	NS	NS	NS	NS	NS	NS	ND
Di-n-butyl phthalate	NS	NS	NS	NS	NS	NS	NS	0.079 J
Di-n-octyl phthalate	NS	NS	NS	NS	NS	NS	NS	ND
Fluoranthene	100	100	100	500	1000	NS	1000	1.4
Fluorene	30	100	100	500	1000	30	386	0.067 J
Hexachlorobenzene	0.33	0.33	1.2	6	12	NS	3.2	ND
Hexachlorobutadiene	NS	NS	NS	NS	NS	NS	NS	ND
Hexachlorocyclopentadiene	NS	NS	NS	NS	NS	NS	NS	ND
Hexachloroethane	NS	NS	NS	NS	NS	NS	NS	ND
Indeno[1,2,3-cd]pyrene	0.5	0.5	0.5	5.6	11	NS	8.2	0.45
Isophorone	NS	NS	NS	NS	NS	NS	NS	ND
Naphthalene	12	100	100	500	1000	NS	12	0.29 J
Nitrobenzene	NS	NS	NS	NS	NS	NS	NS	ND
N-Nitrosodi-n-propylamine	NS	NS	NS	NS	NS	NS	NS	ND
N-Nitrosodiphenylamine	NS	NS	NS	NS	NS	NS	NS	ND
Pentachlorophenol	0.8	2.4	6.7	6.7	55	0.8	0.8	ND
Phenanthrene	100	100	100	500	1000	NS	1000	0.71
Phenol	0.33	100	100	500	1000	30	0.33	2.8
Pyrene	100	100	100	500	1000	NS	1000	1.2
Total Conc	NS	NS	NS	NS	NS	NS	NS	13.815
Total Estimated Conc. (TICs)	NS	NS	NS	NS	NS	NS	NS	116.5
Metals								
Arsenic	13	16	16	16	16	13	16	2.5
Barium	350	350	400	400	10000	433	820	80.3
Cadmium	2.5	2.5	4.3	9.3	60	4	7.5	1.3
Chromium	NS	NS	NS	NS	NS	NS	NS	12.4
Lead	63	400	400	1000	3900	63	450	824
Selenium	3.9	36	180	1500	6800	3.9	4	ND
Silver	2	36	180	1500	6800	2	8.3	0.37 J
Mercury	0.18	0.81	0.81	2.8	5.7	0.18	0.73	0.096

Notes:

ND: Not Detected

NS: No Standard

J : Estimated Value

Highlighted Concentrations exceed a standard