SOVEREIGN CONSULTING INC.

November 13, 2015

Mr. Henry Wilkie
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7015

Re: Remedial Investigation Report
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY
NYSDEC Site No. C152228

Dear Mr. Wilkie:

Sovereign Consulting Inc. (Sovereign), on behalf of First Hartford Realty Corporation (FHRC), has prepared the attached Remedial Investigation Report.

If you have any questions or require additional information, you may contact me at (631)753-8380.

Sincerely,
Sovereign Consulting Inc.

Albert M. Tonn
Senior Project Manager

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Attachment:
Remedial Investigation Report – November 12, 2015

SOVEREIGN CONSULTING INC.

REMEDIAL INVESTIGATION REPORT

South Shore Outdoor
1760 Fifth Avenue
Bay Shore, New York
NYSDEC Site No. C152228

November 12, 2015

Prepared For:

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CERTIFICATION:

I, Rachel B. Leary, certify that I am currently a NYS Registered Professional Engineer and that this Remedial Investigation Report was prepared in accordance with all applicable statues and regulations and in substantial conformance with DER Technical Guidance for Site Investigations and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.

LIST OF TABLES ***III***

LIST OF FIGURES ***IV***

LIST OF APPENDICES ***V***

LIST OF ACRONYMS AND ABBREVIATIONS ***VI***

1.0 INTRODUCTION ***1***

1.1 BACKGROUND ***1***

1.2 PURPOSE & OBJECTIVES ***1***

1.3 REPORT ORGANIZATION ***2***

2.0 PHYSICAL SETTING ***3***

2.1 SITE DESCRIPTION ***3***

2.2 REGIONAL HYDROGEOLOGY ***4***

3.0 SITE BACKGROUND ***6***

3.1 SITE HISTORY ***6***

3.2 PREVIOUS SITE INVESTIGATIONS ***6***

3.2.1 Industrial Leaching pool closures *7*

3.2.2 Bulk Storage Tank Closures *7*

3.2.3 NYSDEC Preliminary Site Investigation/Site Characterization *8*

3.2.4 Ransom Environmental Consultants, Inc. Investigations *10*

3.2.5 Roux Environmental Investigation *11*

3.2.6 Membrane Interface Hydraulic Profiling Tool Investigation *11*

4.0 BROWNFIELD CLEANUP PROGRAM REMEDIAL INVESTIGATION ***13***

4.1 SITE INVESTIGATION STRATEGY ***13***

4.2 SCOPE OF WORK ***13***

4.2.1 Geophysical Survey *13*

4.2.2 Soil Investigation *15*

4.2.3 Groundwater Investigation *18*

4.2.4 Soil Vapor Investigation *21*

4.2.5 Surveying *24*

4.2.6 Waste Management *24*

5.0 REMEDIAL INVESTIGATION RESULTS ***25***

5.1 SITE HYDROGEOLOGY ***25***

5.2 SOURCE, NATURE, AND EXTENT OF CONTAMINATION ***25***
5.2.1 Overview *25*
5.2.2 Nature and Extent of Impacts to Soil *26*
5.2.3 Nature and Extent of Impacts to Groundwater *33*
5.2.4 Nature and Extent of Soil Vapor and Indoor Air *36*

5.3 RELEASE FATE & TRANSPORT ***38***

6.0 QUALITATIVE HUMAN HEALTH AND EXPSOURE ASSESSMENT ***39***

6.1 OVERVIEW ***39***

6.2 SITE SETTING & SOURCE ***39***

6.3 CONTAMINANT RELEASE & TRANSPORT MECHANISMS ***40***

6.4 POTENTIAL HUMAN RECEPTORS ***41***

6.5 IDENTIFICATION OF EXPOSURE POINTS ***41***
6.5.1 Soil *41*
6.5.2 Groundwater *42*

6.6 QUALITATIVE EXPOSURE ASSESSMENT SUMMARY TABLE ***42***

6.7 LIMITATIONS ***43***

7.0 CONCLUSIONS ***44***

REFERENCES ***49***

LIST OF TABLES

TABLE 4-1 SUMMARY OF SURVEY DATA

TABLE 5-1 SUMMARY OF WELL GAUGING DATA

TABLE 5-2 SUMMARY OF SOIL VOLATILE ORGANIC COMPOUND ANALYTICAL RESULTS

TABLE 5-3 SUMMARY OF SOIL SEMIVOLATILE ORGANIC COMPOUND ANALYTICAL RESULTS

TABLE 5-4 SUMMARY OF SOIL PESTICIDE-HERBICIDE-POLY CHLORINATED BIPHYENL ANALYTICAL RESULTS

TABLE 5-5 SUMMARY OF SOIL METAL-CYANIDE ANALYTICAL RESULTS

TABLE 5-6 SUMMARY OF SOIL TCLP – VOLATILE ORGANIC COMPOUND AND METAL RESULTS

TABLE 5-7 SUMMARY OF GROUNDWATER VOLATILE ORGANIC COMPOUND ANALYTICAL RESULTS

TABLE 5-8 SUMMARY OF GROUNDWATER SEMIVOLATILE ORGANIC COMPOUND ANALYTICAL RESULTS

TABLE 5-9 SUMMARY OF GROUNDWATER PESTICIDE-HERBICIDE-POLY CHLORINATED BIPHYENL ANALYTICAL RESULTS

TABLE 5-10 SUMMARY OF GROUNDWATER METAL-CYANIDE ANALYTICAL RESULTS

TABLE 5-11 SUMMARY OF AIR ANALYTICAL RESULTS

LIST OF FIGURES

FIGURE 1-1 SITE LOCATION MAP

FIGURE 2-1 LOCAL AREA AERIAL MAP

FIGURE 2-2 SITE PLAN

FIGURE 3-1 SAMPLE LOCATION MAP

FIGURE 4-1 TYPICAL SUB-SLAB VAPOR POINT

FIGURE 4-2 HELIUM TRACER TEST CONFIGURATION

FIGURE 5-1 GROUNDWATER ELEVATION MAP – AUGUST 18, 2015

FIGURE 5-2 SOIL ANALYTICAL RESULTS ABOVE COMMERCIAL-USE SOIL CLEAN-UP OBJECTIVES

FIGURE 5-3 GROUNDWATER ANALYTICAL RESULTS ABOVE NYSDEC CLASS GA STANDARDS/GUIDANCE VALUES – AUGUST 18-20, 2015

FIGURE 5-4 TOTAL VOLATILE ORGANIC COMPOUNDS IN SOIL VAPOR, INDOOR AIR, AND AMBIENT AIR – AUGUST 11 – 12, 2015

LIST OF APPENDICES

APPENDIX A	*SUMMARY TABLES OF HISTORIC ANALYTICAL DATA*
APPENDIX B	*MiPHT REPORT*
APPENDIX C	*GEOPHYSICAL REPORT*
APPENDIX D	*SOIL BORING – WELL CONSTRUCTION LOGS*
APPENDIX E	*GROUNDWATER SAMPLING LOGS*
APPENDIX F	*WELL DEVELOPMENT LOGS*
APPENDIX G	*LABORATORY ANALYTICAL REPORTS (CD)*
APPENDIX H	*DATA USABILITY SUMMARY REPORT*

LIST OF ACRONYMS AND ABBREVIATIONS

AOC	Areas of Concern
ASL	above mean sea level
ASP	Analytical Services Protocol
bgs	below ground surface
BCP	Brownfield Cleanup Program
COC	constituents of concern
CVOC	chlorinated volatile organic compounds
DCE	1,1-dichloroethene
DO	dissolved oxygen
DOT	United States Department of Transportation
USEPA	United States Environmental Protection Agency
gpm	gallons per minute
GC	gas chromatograph
GC/MS	gas chromatograph and mass spectrometer
GIS	Geographical Information System
ID	inside diameter
LPM	Liters Per Minute
MIP	Membrane Interface Probe
MiHPT	Membrane Interface Hydraulic Profiling Tool
mg/kg	milligrams per kilograms
mS/m	milliSiemens per meter
MTBE	methyl-tert-butyl ether
MW	monitoring well
ELAP	NYSDOH Environmental Laboratory Accreditation Program
ND	Not Detected
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
OHM	oil and/or hazardous materials
ORP	oxidation-reduction potential

ppmv	parts per million by volume
PCE	tetrachloroethene
PID	photoionization detector
PAHs	Polyaromatic Hydrocarbons
QA/QC	quality assurance / quality control
RAWP	Remedial Action Work Plan
RIR	Remedial Investigation Report
RIWP	Remedial Investigation Work Plan
SOW	Scope of Work
SVOC	semivolatile organic compound
SCOs	Soil Cleanup Objectives
SCDHS	Suffolk County Department of Health Services
TAL	Target Analyte List
TCA	1,1,1-Trichloroethane
TCE	trichloroethylene
TCL	Target Compound List
TPH	total petroleum hydrocarbons
UST	Underground Storage Tank
USGS	United States Geologic Survey
µg/kg	micrograms per kilogram
µg/L	micrograms per liter
$\mu g/m^3$	micrograms per cubic meter
µV	microvolts
VOC	volatile organic compound

1.0 INTRODUCTION

1.1 BACKGROUND

Sovereign Consulting Inc. and its engineering affiliate Sovereign Environmental Engineering Services, LLC. collectively referred to as Sovereign, on behalf of First Hartford Realty Corporation (FHRC), has prepared this Remedial Investigation Report (RIR) for the South Shore Outdoor property (Site) located at 1760 Fifth Avenue, Bay Shore, New York. A Site Location Map is presented as **Figure 1-1**. The Site was accepted to the New York State Brownfield Cleanup Program (BCP) with Fifth & Candlewood, LLC (the Applicant) listed as a Volunteer. The Brownfield Cleanup Agreement (BCA) was signed on March 13, 2014 and Site Number C152228 was assigned. FHR is awaiting NYSDEC approval to be added as an additional Volunteer.

The scope of work conducted was based upon the New York State Department of Environmental Conservation (NYSDEC)-approved May 28, 2014 Remedial Investigation Work Plan (RIWP) and the December 10, 2014 Response Letter to the NYSDEC prepared by Roux Associates, Inc. (Roux). In addition, Sovereign submitted an Addendum to the NYSDEC on July 27, 2015 that was approved by the NYSDEC on July 29, 2015.

1.2 PURPOSE & OBJECTIVES

The purpose of the RI was to determine the nature and extent of subsurface contamination at the Site, characterize environmental media at the Site, qualitatively assess the potential exposure of receptors to Site contaminants and develop any other additional data necessary to support the development of a Remedial Action Work Plan (RAWP). The following objectives have been identified for the RI, based upon the existing Site database:

- Inspect and identify all historic Areas of Concern (AOC);
- Evaluate soil quality associated with all AOC;
- Identify the existence and three dimensional extent of soil quality impacts in all identifiable former leaching pools, industrial process areas and stormwater drywells;

- Delineate the three dimensional extent of previously documented volatile organic compound (VOC) impacts and potential metals impacts to groundwater; and

- Delineate the extent of VOC impacts to soil vapor at the Site.

1.3 REPORT ORGANIZATION

This report is organized and in general conformance with NYSDEC DER-10 (2010) guidance document:

Section 2.0- Physical Setting, presents a site description and regional hydrogeology.

Section 3.0- Site Background, presents a brief site history and discussion of previous investigation conducted prior to the implementation of the RIWP.

Section 4.0- Brownfield Cleanup Program Remedial Investigation, presents the methodology to the field investigation as described in the RIWP, RIWP Response Letter, and the RIWP Addendum.

Section 5.0- Remedial Investigation Results, presents the results of the RI including: Site hydrogeology; source, nature, and extent of impact to affected media; and likely mechanisms for the fate and transport of residual constituent of concern (COC) within and between affected media.

Section 6.0- Qualitative Human Health and Exposure Assessment, presents the potential exposure scenarios for humans to be exposed the potential COC.

Section 7.0- Conclusions, presents a summary of the results of the RI and a brief overview of potential remedial actions.

A Fish and Wildlife exposure assessment was not required for this Site per the approved RIWP and according to Section 3.10 of DER-10 and the Fish and Wildlife Resources Impact Analysis Decision Key in DER-10 Appendix 3C.

2.0 PHYSICAL SETTING

The following sections, as summarized from the Roux RIWP, describe the Site and provide regional hydrogeology information.

2.1 SITE DESCRIPTION

The Site is located at 1760 Fifth Avenue at the intersection of Candlewood Road, in the Hamlet of Bay Shore, Town of Islip, Suffolk County, New York. A Site Location Map is presented as **Figure 1-1**. The property lot is listed as Section 182, Block 1, Lot 37.

The local area consists of a mixture of retail, commercial, industrial properties, and residential properties. The Site is bordered to the north by residences and Eden Road. Farther north (across Eden Road) are additional residences, and mixed use commercial properties. The Site is bordered to the east by Fifth Avenue. Further east (across Fifth Avenue) are commercial/retail operations located within a small shopping plaza. The Site is bordered to the west by USA Industries, an auto parts remanufacturer. Further west are residences and Carleton Avenue. The Site is bordered to south by a Candlewood Road. Further south (across Candlewood Road) are commercial and industrial operations including a retail shopping plaza housing a Subway sandwich shop, a Dunkin Donuts, a food market, a party supply store, an insurance sales office, a hair salon, and others. Adjacent to this shopping plaza to the west and south, is a large facility that houses commercial and industrial operations for Entenmann's Bakery. Further south and southwest are multiple commercial, industrial and retail operations. An aerial view of the local area is presented as **Figure 2-1**.

The property consists of a one story building, approximately 34,000 square feet (sf) with slab on grade construction, located on a 1.895 acre lot. Approximately 8,500 sf of the building is currently used as showroom and office space and the remainder is used for silk screening, manufacturing and warehousing of athletic clothing and equipment. The building was constructed in 1969 with an addition installed on the west side of the building during the mid-1980's. A landscape area is present on the east side of the building. Paved parking lots are present south and northeast of the building. A series of stormwater drywells are utilized for stormwater management. The building is heated with natural gas, although it was previously heated with heating oil up until 2006 when the heating oil underground storage tank (UST) was removed. The building is serviced by underground electric, overhead telephone and cable, and

municipal water. All of these utilities enter the south side of the building from Candlewood Road. Sewage is managed by an on-site septic system consisting of a septic tank and leach pool located east of the building. A site plan is presented as **Figure 2-2**.

2.2 REGIONAL HYDROGEOLOGY

Review of the United States Geological Survey (USGS) 7.5-minute series topographic quadrangle map of Greenlawn, New York reveals that the elevation of the Site is approximately 75 feet above mean sea level. The topography of the Site is essentially flat with only a slight grade toward the southeast. See **Figure 1-1**.

The Site is located in the Atlantic Coastal Plain Physiographic Province. The subsurface geology consists of unconsolidated sand, silt, clay and gravel layers overlying crystalline bedrock. According to the *Hydrogeologic Framework of Long Island* (1989), bedrock underlies the Site at over 1,400 feet below land surface. These layers dip to the southeast and generally follow the contours of the bedrock surface. From oldest (deepest) to youngest (shallowest) these deposits have been identified and divided into a series of hydrogeologic units: the Lloyd aquifer; the Raritan clay confining unit; the Magothy aquifer and the Upper Glacial aquifer. The RI was limited to the Upper Glacial Aquifer.

The Upper Glacial can be divided into geologic units of Holocene and upper Pleistocene age. The Holocene deposits are the more recent deposits and consist of sand, gravel, silt, clay, organic mud, peat, loam and shells. These deposits, which include undifferentiated artificial fill, salt-marsh and swap deposits, stream alluvium and shore deposits, typically range in thickness from 5 to 50 feet (Kilburn and Krulikas, 1987). The upper Pleistocene deposits are moraine (till), composed of unsorted clay, sand, gravel and boulders. These deposits may contain outwash deposits of stratified brown sand and gravel with interbedded layers of silty sand and clay.

According to water level data for Long Island (USGS 1989), the water table at the Site is in the Upper Glacial aquifer and the regional depth to groundwater ranges from 29 to 33 feet below land surface within ½ mile of the Site. The regional groundwater flow direction is south-southeast. Local groundwater is expected to mirror local topography and migrate to the South-southeast. There are no USGS monitoring wells or public water supply wells within ½ mile of the Site, as reported in the EDR Report (2011) included as Appendix A in the RIWP. There are no surface water

bodies on or adjacent to the Site, or within ½ mile of the Site, with the exception of one stormwater recharge basin.

3.0 SITE BACKGROUND

The following section summarizes site history and previous site investigations presented in the RIWP.

3.1 SITE HISTORY

The Site is currently occupied since 2006 by South Shore Outdoor Store, a screen-printer, embroiderer, and wholesaler of apparel and team uniforms. Historical city directories for the Site for the years 1971, 1976, 1981, 1986, 1991, 1996, and 2002 from EDR of Milford, Connecticut and the findings are summarized as follows:

Year	Listing
1971	Becker Factory Outlet; Q.C. Circuit Corporation (Circuit Board Manufacturer)
1976 and 1981	Q.C. Circuit Corporation
1986, 1991 and 1996	Alpha Windows Systems (Window Assembler and Installer)
2002	Alpha Windows Systems AWS Inc.

Historic aerial photographs indicated the property was undeveloped forested land in 1953 and 1957, and was cleared, but unimproved by 1966. In 1969 the Site was developed with a single building and there were no apparent major changes though 1985. The 1994 aerial photograph shows the western addition to the building.

3.2 PREVIOUS SITE INVESTIGATIONS

Previous industrial leaching pool closures and tank removals were performed by Bayview Environmental, DiVito Environmental Services and Environmental Services Inc. (ESI) with oversight and observations provided by the Suffolk County Department of Health Services (SCDHS). In 2006, Environmental Resources Management (ERM) performed a regional Preliminary Site Investigation/Site Characterization on behalf of the NYSDEC. The study area encompassed the Site as well as three surrounding properties (Antennae Randome Research Associates, Entenmann's Bakery, and USA Industries). In addition, two Phase I Environmental Site Assessments have been performed for the Site, the first in 2006 conducted by Merritt Engineering Consultants, P.C. (Merritt), and the most recent, conducted in 2011 by Ransom Environmental Consultants, Inc. (Ransom). Ransom also produced a Phase I Addendum and conducted a Phase II Limited Subsurface Investigation (LSI) at the Site

in 2011. In March 2013, Roux performed limited sampling of one stormwater drywell, SW-5 (DW-11A, as identified in the ERM Site Characterization Report) at the Site. Sample locations from the previous locations are shown on **Figure 3-1**.

3.2.1 Industrial Leaching pool closures

The following summarizes the former industrial leaching pool closures as presented in the RIWP.

Historically, Q.C. Circuits operated an extensive industrial leaching pool system interconnected with asbestos transite piping at the Site. SCDHS documents indicate as many as 24 industrial leaching pools were installed and operated at the Site. The industrial leaching pool system was active until at least November 1985, when each industrial leaching pool was cleaned out, pressure washed, and backfilled pursuant to an Order on Consent with SCDHS. Some of the former industrial leaching pools were later covered by the building extension. The location of the former industrial leaching pools can be found on the Site Plan, **Figure 2-2**.

Various SCDHS documents indicated a history of impacts from the operation of the industrial operations. There were reports of exceedances of the SPDES discharge permits for copper, lead, nickel, zinc, iron, and silver. To rectify the metals contaminated leaching pool issue, an Order on Consent (No. IW85-39) was negotiated and signed in November 1985. According to SCDHS field notes, between November 21 and December 9, 1985, 24 industrial leaching pools and the distribution box were pumped out, cleaned, backfilled and paved over with asphalt. SCDHS observed the closure activities and sampled the bottom of each leaching pool prior to backfilling. Approximately 60 yards of sludge were reportedly removed and disposed off-site as part of the work. The field notes indicate that two storm drains were "left intact for future use". A letter dated January 7, 1986 from SCDHS to Q.C. Circuits documents "satisfactory compliance" with the Order on Consent. Samples were collected from the sludge prior to cleaning the leach pools and were analyzed for lead. Copies of this data are included as Table 1 of the RIWP and are presented in **Appendix A** of this report. Post-cleanout soil sample analytical results for metals as included in Table 4 of the RIWP are included in **Appendix A** of this report.

3.2.2 Bulk Storage Tank Closures

Q.C. Circuits operated one underground storage tank (UST) and a multitude of small aboveground storage (ASTs) and industrial process tanks at the Site from 1969 to 1986. The ASTs and industrial process tanks

were used in the daily operations of the plant and included the use of 1,1,1-trichloroethane (TCA) and methylene chloride, among up to approximately 70 other chemicals (Roux, 2014).

A 5,000-gallon No. 2 fuel oil tank was located adjacent to and southeast of the building. ESI removed the 5,000 gallon No. 2 Fuel Oil UST from the Site on November 8, 2006 with SCDHS oversight. According to SCDHS notations, approximately 30 gallons of oil and sludge were accidentally spilled into the parking lot and tank grave during the UST removal activities. As a result, Spill number 0609103 was opened on November 8, 2006. The report indicates that nine cubic yards of soil were removed to address the spill, however, no endpoint samples were collected. Spill number 0609103 was ultimately closed by the NYSDEC on March 10, 2007 based on recommendations from the SCDHS inspector.

No available records definitively show the ASTs and industrial process tanks to have been removed. However, based upon Site reconnaissance, these ASTs are no longer present at the Site.

3.2.3 NYSDEC Preliminary Site Investigation/Site Characterization

In 2006, Environmental Resource Management (ERM), working on behalf of the NYSDEC, conducted a Preliminary Site Investigation/Site Characterization (SI/SC of an area that encompassed the Site as well as three surrounding properties (Antennae Randome Research Associates, Entenmann's Bakery, and USA Industries). Results of the SI/SC indicated several areas of contamination relating to the different properties surrounding and including the Site. ERM concluded that the Site appeared to be the source of at least one of the groundwater plumes that were identified during the SI/SC.

As part of the Study, ERM collected soil samples from five Geoprobe direct push soil borings adjacent to the storm water drywells and sediment samples from six drywells at the Site. The samples were analyzed for VOCs only.. Sample results from the soil borings showed Total VOC concentrations ranging from 6 micrograms per kilogram (µg/kg) at 55 ft below ground surface (bgs) in the sample collected near DW-08 (currently identified as SW-6 in the RIWP) to 228 µg/kg at 54 ft bgs in the sample collected near DW-11 (currently identified as SW-5 in RIWP). TCA was the primary VOC detected in the samples, and concentrations ranged from not detected in all of the samples collected near DW-09 (SW-8) to 210 µg/kg at 54 ft bgs in the sample collected near DW-11 (SW-5).

Sample results from sediments from the bottom of the drywells showed Total VOC concentrations ranging from 61 µg/kg in DW-08 (SW-6) (14-18 ft bgs) to 89,881,713 µg/kg in DW-11(SW-5) (19-20 ft bgs). Again, TCA was the primary VOC detected in the samples and concentrations ranged from 57 µg/kg in DW-8 to 89,000,000 µg/kg in DW-11 (SW-5). Several other VOCs were detected in DW-11 at high concentrations, including 1,1-dichloroethene, chloroethene, chloroform, trichloroethylene and toluene. Based on these results, ERM concluded that DW-11 (SW-5) appeared to be the source of a VOC plume in groundwater that extended to the southeast of the Site. In addition, sample results from DW-21A showed total xylenes (60,000 µg/kg) and toluene (4,900 µg/kg) were the primary VOCs detected, with lesser concentrations of chlorinated VOCs. Copies of VOC soil analytical data, included as Table 2 of the RIWP, are presented in **Appendix A** of this report.

ERM collected groundwater grab samples from five direct push boring locations on Site, to a maximum depth of 38 ft bgs. ERM reported that groundwater grab samples (analyzed for VOCs only) showed detections of total VOCs, primarily chlorinated VOCs comprised mostly of TCA, ranging in concentration from not detected (DW-08) to 133.5 micrograms per liter (µg/l) (DW-11) total VOCs. Copies of VOC groundwater analytical data, included as Table 5 in the RIWP, are presented in **Appendix A** of this report.

ERM also collected groundwater samples off-site from two monitoring wells (CW-01 and FN-19) and two direct push groundwater profile boring locations (GP-02 and GP-05) hydraulically downgradient of the Site on the Entenmann's property. The groundwater profile borings were advanced to a maximum depth of 90 ft bgs. Groundwater samples, showed detections of total VOCs ranging in concentration from not detected (GP-05 at 64 ft bgs and 69 ft bgs) to 2,022.54 µg/L (GP-05 at 39 ft bgs). In each of the groundwater samples from the direct push borings, the highest total VOC concentration was observed in the samples collected from the 39 ft bgs interval. TCA concentrations ranged from not detected in 13 of the 25 samples collected to 140 µg/L at 39 ft bgs in GP-02 and 1,800 µg/L at 39 ft bgs in GP-05. TCA concentrations decreased to non-detect in GP-02 by 69 ft bgs and by 64 ft bgs in GP-05.

In the two groundwater monitoring wells (CW-01 and FN-19), samples were collected from 47 ft bgs (CW-01) and 45 ft bgs (FN-19), and total VOC concentrations were 18.16 µg/L and 552.99 µg/L, respectively. TCA concentrations in these samples were 17 µg/L and 370 µg/L, respectively. ERM attributed the off-site groundwater plume to the elevated VOC detections identified on-site in the vicinity of DW-11. Additional details

about the investigation are available in the ERM Site Characterization Report included in Appendix A of the RIWP.

ERM collected two soil vapor samples from the Site, one adjacent to the northeastern side of the building (SG-01) and one adjacent to the southern side of the Site building (SG-02). Results from the soil vapor samples showed elevated VOC concentrations in both samples, with total VOCs of 8,903 micrograms per cubic meter ($\mu g/m^3$) in SG-01 and 89,600 $\mu g/m^3$ in SG-02. The detections were primarily TCA, at concentrations of 6,000 $\mu g/m^3$ in SG-01 and 76,000 $\mu g/ m^3$ in SG-02. Methylene chloride was also detected in both samples at concentrations of 900 $\mu g/m^3$ and 4,500 $\mu g/m^3$, respectively. Two other chlorinated VOCs (trichloroethylene and carbon tetrachloride) were detected in SG-02, but were not detected in SG-01. Several petroleum hydrocarbons were detected in SG-01, including benzene and toluene, but were not detected in SG-02. Soil vapor analytical data as summarized in Table 8 of the RIWP is presented in **Appendix A** of this report.

3.2.4 Ransom Environmental Consultants, Inc. Investigations

Ransom performed a limited site investigation at the Site in 2011 that included the collection of soil samples from three locations. The soil borings (B111, B112, and B113) were advanced to a maximum depth of 35 ft bgs. Soil was screened in the field for the presence of volatile organic vapors using a photo-ionization detector (PID), observed for any visual or olfactory evidence of contamination, and the lithology recorded. Two soil borings were completed on the southern side of the Site building and the third soil boring was completed downgradient of the on-site septic system. Soil samples were collected from the 10-15 ft bgs interval in all three borings and analyzed for metals. Soil samples were also collected from the 30-35 ft bgs interval in B111 and the 25-30 ft bgs interval in B112 and B113, and analyzed for VOCs and polyaromatic hydrocarbons (PAHs).

Ransom reported that there was no visual or olfactory evidence of contamination, there were no detections of organic vapors during the field screening, and VOC results were below laboratory reporting limits (i.e. not detected) for all VOCs. PAHs and metals detections were either not detected, or below the Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs), for all PAHs and metals, with the exception of total chromium. Total chromium detections ranged from 2.6 milligrams per kilograms (mg/kg) in B113 to 4 mg/kg in B111. Although this concentration is below the Part 375 Unrestricted Use SCO for trivalent chromium (30 mg/kg), the chromium was not speciated to determine if any fraction of the detection consisted of hexavalent chromium, for which the

Unrestricted Use SCO is 1 mg/kg. The soil analytical results for VOCs, PAHs, and metals as presented in Tables 2, 3, and 4 of the RIWP are included as **Appendix A** of this report.

Three groundwater samples were collected from three temporary groundwater monitoring well locations at the Site (TW-101, TW-102 and TW-103) and analyzed for VOCs, PAHs, and metals. The temporary wells were set to depths of approximately 32 ft bgs, and the depth to groundwater ranged from 29.2 to 30.9 ft bgs in the temporary wells. Sample results showed detections of total VOCs ranging from 6.79 µg/L (TW-102) to 287.7 µg/L (TW-101). The highest VOC detection was TCA in TW-101 at a concentration of 250 µg/L. PAHs were not detected in any of the groundwater samples. Copper, nickel and zinc were detected at low concentrations in all three samples, chromium was detected at low concentrations in two samples (TW-102 and TW-103) and lead was detected at a low concentration in one sample (TW-103). Groundwater analytical data for VOCs, PAHs, and metals, as summarized in Tables 5 through 7 of the RIWP, are presented in **Appendix A** of this report.

3.2.5 Roux Environmental Investigation

In March 2013, Roux Associates collected a confirmation sample from stormwater drywell DW-11A (as identified in ERM's Site Characterization Report and SW-5 in the RIWP). The sample was collected from a depth of 19 to 21.5 ft bgs from sediment from within this stormwater drywell, and was analyzed for VOCs and metals. TCA was detected at 63,000 µg/kg, which exceeds the Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) of 680 µg/kg for this compound. The results also showed detections of other VOCs including: 1,1-Dichloroethene (140 µg/kg, estimated), 1,1-Dichloroethane (250 µg/kg), PCE (42 µg/kg, estimated), and toluene (530 µg/kg). These detections were all below their respective Part 375 Unrestricted Use SCOs. Detections of metals in this sample were also all below the respective Part 375 Unrestricted Use SCOs with the exception of copper (52.4 mg/kg) and possibly chromium (4.5 mg/kg). The sample was not specifically analyzed for trivalent and hexavalent chromium. The hexavalent chromium Part 375 Unrestricted Use SCO is 1 mg/kg, therefore, this detection may exceed the SCO. Laboratory analytical results, as summarized in Tables 2 and 4 of the RIWP, are presented in **Appendix A** of this report.

3.2.6 Membrane Interface Hydraulic Profiling Tool Investigation

Prior to conducting the RI, S2C2, Inc., on behalf of Sovereign, conducted a MiPHPT study of the Site during May 2015. The MiPHPT is used as a

screening tool for identifying VOCs in the sorbed, dissolved, gaseous, or free phases and for obtaining hydraulic data.

Fourteen borings were advanced to a depth of 65 ft bgs and logs of VOCs and hydraulic conductivity were collected continuously. Two groundwater samples collected from depths of 30-33 ft bgs and 36-39 ft bgs for use in calibrating the instruments. The results indicated VOCs in groundwater at a depth of 30-35 ft bgs in only one boring (MIP-3), located adjacent to SW-5. Only one boring (MIP-6), located north of SW-5 along the building, indicated minor VOCs in soil at a depth of 5 ft bgs. Hydraulic conductivity readings ranged from approximately 50 to 100 feet per day, but on average are within the 60 to 80 feet per day range, which is typical for sandy soil on Long Island. Copies of the MiPHPT Report, site plan showing the boring locations, and laboratory report is presented in **Appendix B**.

4.0 BROWNFIELD CLEANUP PROGRAM REMEDIAL INVESTIGATION

4.1 SITE INVESTIGATION STRATEGY

The scope of the RI was developed to provide sufficient Site characterization data so that, together with the historic data, including groundwater, soil and soil vapor sampling, the entire Site will be sufficiently characterized to support the development of the Site-wide RAWP. To accomplish this, the RI focused on the following:

- The completion of a geophysical survey to potentially identify former industrial leaching pools at the Site.
- The collection of soil, groundwater and soil vapor data sufficient to define the nature and extent of contamination for impacted areas;
- The collection of land survey data for developing a groundwater contour map; and
- The performance of a qualitative exposure assessment to identify exposure pathways, and evaluate contaminant fate and transport.

4.2 SCOPE OF WORK

The RI scope of work conducted was based upon the NYSDEC-approved May 28, 2014 RIWP prepared by Roux and the Roux December 10, 2014 Response Letter to the NYSDEC. In addition, Sovereign submitted an Addendum for the modification of the groundwater investigation to the NYSDEC on July 27, 2015 and was approved by the NYSDEC on July 29, 2015. This modification included performing the groundwater profiling first, then setting the monitoring well screen depths based upon those results. In addition, it allowed for the installation of the monitoring wells utilizing direct-push drilling method.

4.2.1 Geophysical Survey

A geophysical survey was performed to identify the locations of the former industrial leach pools, to determine if unknown USTs are present at the Site, and to identify underground utilities prior to drilling activities. On May 8 and 11, 2015 EPhase 2, LLC (EP2) of Huntington Station, New York, under the supervision of Sovereign, conducted a geophysical

survey. EP2 utilized a GSSI model Utility Scan with dual 300 and MHz antennae Ground Penetrating Radar (GPR) system and a GSSI model SIR-3,000 with a 400 MHz antenna GPR system. A Fisher TW-6 Pipe and Cable Locator and a Radio-detection Model RD8000 Receiver and TX10 transmitter were used in conjunction with the GPR equipment to locate and mark utilities and locate subsurface structures/buried objects. The Profiler EMP-400 was also used in conjunction with the GPR to detect differences in soil conductivity. Details of the geophysical survey are included in the EP2 May 22, 2015 Geophysical Survey Report included in **Appendix C**.

All of the former industrial leach pools were identified and mapped during the geophysical survey on the site plan to more accurately depict their locations from previous maps. One overflow stormwater drywell (SW-10), that previously was not identified, was located on the western side of the building. The RIWP erroneously indicated DW-21A was a former stormwater drywell located within the building. DW-21A is an active overflow stormwater drywell located outside the building. DW-24 (sample designated SB-3) was a former stormwater drywell located within the building extension. During the geophysical survey, an anomaly with a possible signature of an UST was observed near the southeast corner of the building, adjacent to the location of the former heating oil tank. The locations of the former leach pools, stormwater drywells, and utilities are shown on the attached site plan, **Figure 2-2**.

Upon opening LP-1 on June 24, 2015, it was discovered that it was not backfilled. Two interconnection pipes were observed, one heading west in the direction of LP-7 and another heading towards the east. An additional geophysical survey was performed on June 25th to see if there was an additional leach pool present. Another abandoned leach pool was observed approximately 20 feet east of LP-1. This leach pool was designated as LP-1A. Upon opening LP-1A, it was observed to be backfilled, but connecting pipes to LP-1 and LP-2 and a pipe heading towards the building remained in place.

A screw cap attached to a riser pipe was observed at the location of LP-19. The cap was removed and it was determined that LP-19 also had not been backfilled and the bottom was approximately 10 feet below grade. A soil sample was collected with a hand auger and submitted for analysis. Debris (broken glass, plastic, and vinyl siding pieces) were noted in the bottom sample. It is unknown why this leach pool had a riser pipe attached to it.

On June 25th, a hand auger was utilized to explore the anomaly with a possible UST signature. At approximately three feet below grade, a vent

line and a product/return line were observed. The borehole was expanded to by-pass the piping and the borehole extended to a depth of five feet. No UST was encountered at this depth. A small UST would normally be at depths between three and four feet below grade. The soil was field-screened with a PID and no impacts were observed.

4.2.2 Soil Investigation

Soil borings were advanced at the locations shown in **Figure 3-1** to characterize the soil conditions for the various AOC at the Site. From June 22nd through July 15th, 2015, EP2, under supervision of Sovereign, collected soil samples utilizing a Geoprobe® 6712DT for deeper soil borings and a Geoprobe® 420MT (limited access rig) for collection of the shallow soil borings within the building with limited access. Some soil samples were collected with a hand auger from backfill material within some former industrial leach pools that had poor recovery with the Geoprobe®, the bottom of the former leach pools that were not backfilled, or the bottom of stormwater drywells. The soil samples that were collected with the Geoprobe® 6712DT were collected continuously using a five-foot macro core sampler, while the samples collected with the Geoprobe® 420MT were collected with a two-foot sampler. As the soil samples were collected, the lithology was recorded and soil was visually inspected for evidence (visual or olfactory) of contamination and field-screened continuously for VOCs using a PID with an 11.7 eV lamp. Soil boring logs are included in **Appendix D**. Soil samples were placed in laboratory-supplied sample containers and placed immediately on ice. The following subsections describe the sampling for each AOC.

4.2.2.1 Former Industrial Leach Pools and Stormwater Drywells

A total of 25 former industrial leach pools, 11 stormwater water drywells (including two overflow drywells) and one former stormwater drywell were identified based upon the findings of the geophysical surveys. Soil borings were advanced through each of these structures during the RI, with the exception of LP-14. Leaching pool LP-14 is located within a vestibule on the northwest corner of the building and has limited access to drilling equipment. Boring LP-14 was installed outside of the building immediately adjacent to the vestibule. All of the former industrial leach pools were backfilled with the exception of LP-1, LP-13, and LP-19. The locations of these samples are shown on **Figure 3-1**. Soil samples were collected and analyzed as follows:

Location	Depth Intervals (ft bgs)*	Analyses**
Former Industrial Leach Pools (LP1A, LP-1 though LP-22, LP-25, and LP-26	15′-17′, 20′-22, 28′-30′ (just above the water table), 38′-40′ (approximately 10′ into the water table)	TCL-VOCs+10, TAL/Hex Cr/Cyanide
25% of Former Leach Pools (LP-3, LP-8, LP-11, LP-17, LP-18, and LP-25)	5′-10′ (backfill material)	TCL+30, TAL/Hex Cr/Cyanide, TCLP – Metals/VOCs
Stormwater Drywell SW-5 (DW-11 from ERM Report)	19′-21′ (bottom of the structure), 21′-25′, 28′-30′ (just above water table), and 38′-40′ (approximately 10′ into the water table)	TCL+30, TAL/Hex Cr/Cyanide, TCLP – Metals/VOCs
Stormwater Drywell DW-21A***	12′-14′ (bottom of the structure), 20′-22′, 28′-30′ (just above water table), and 38′-40′ (approximately 10′ into the water table)	TCL+30, TAL, TCLP – Metals/VOCs
Former Stormwater Drywell DW-24 (SB-3)	10′-12′ and 28′-30′ (just above the water table)	TCL-VOCs+10, TCL-SVOCs+20, TAL/Hex Cr/ Cyanide
Remaining Stormwater Drywells and Overflow Drywells	2-foot interval at the bottom of the structure, 28′-30′ (just above water table)	TCL-VOCs+10, TCL-SVOCs+20, TAL/Hex Cr/Cyanide

*The actual depths may have varied slightly depending upon sample recovery and field screening. The 38'- 40' sample was only analyzed based upon shallow sample results or if impacts suspected based upon field screening. Additional samples collected based upon field-screening.

** Target Compound List (TCL) plus 30/Target Analyte List (TAL) (TCL + TAL) includes:

-TCL VOC + 10 Tentatively Identified Compounds (TICs);

-TCL Base Neutral Acids (BNA)/Semivolatile Organic Compounds (SVOCs) + 20;

-TCL Pesticides/Herbicides/PCBs; and

-TAL Metals (including hexavalent chromium); and

-Total Cyanide

***RIWP erroneously indicated DW-21A was a former stormwater drywell located within the building. DW-21A is an active overflow stormwater drywell located outside the building. DW-24 (sample designated SB-3) was a former stormwater drywell located within the building extension.

Field blank, duplicate, matrix spike/matrix spike duplicate (MS/MSD) samples were collected at a rate of approximately one per 20 samples or

Sample Delivery Group (SDG). Trip blanks were included one per VOC cooler. All samples were shipped via courier under proper chain of custody protocols to Hampton Clarke-Veritech Laboratories of Fairfield, New Jersey, a New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP) certified laboratory (ELAP #11408). The samples were submitted for laboratory analysis with NYSDEC Analytical Services Protocol (ASP) Category B Deliverables.

4.2.2.2 Soil Borings at Other Areas of Concern

Sixteen (16) soil borings were advanced to characterize soil in the following locations at the Site:

- Five monitoring well pilot boreholes;
- One boring adjacent to the existing active septic system;
- One boring in the area of the former heating oil tank;
- One boring in the area of the former wastewater holding tank; and
- Eight shallow borings in the suspected former industrial process area on the southern side of the building.

The sample locations are shown on **Figure 3-1**. The deeper soil borings were drilled utilizing a Geoprobe® 6712DT, while the shallow borings were drilled utilizing a Geoprobe® 420MT (limited access rig). Soil samples were collected and analyzed as follows:

Location	**Depth Intervals (ft bgs)***	**Analyses****
Monitoring Well pilot boreholes (MW-1 through MW-5)	0′-2′, most impacted (if encountered), and 28′-30′ (2-foot interval above the water table).	TCL+30, TAL/Hex Cr/Cyanide
Active Septic System (SB-1)	0′-2′, 15′-20′ (most impacted), and 28′-30′ (2-foot interval above the water table).	TCL-VOCs+10, TAL/Hex Cr/Cyanide

Former Heating Oil UST (SB-2)	5′-10′, 13′-15′, 15′-17′ (most impacted), and 28′-30′ (2-foot interval above the water table).	TCL-VOCs+10, TAL/Hex Cr/Cyanide, and TCLP – VOCs and metals (5′-10′ interval only)
Former Wastewater Holding Tank (SB-4)	0′-2′, 5′-10′(most impacted), and 28′-30′ (2-foot interval above the water table)	TCL+30, TAL/Hex Cr/Cyanide
Former Industrial Process Area (IP-1 though IP-8)	0′-2′(beneath floor slab), most impacted to 8′	TCL+30, TAL/Hex Cr/Cyanide

*The actual depths may have varied slightly depending upon sample recovery and field screening. Additional samples collected based upon field-screening.

** Target Compound List (TCL) plus 30/Target Analyte List (TAL) (TCL + TAL) includes:

-TCL VOC + Tentatively Identified Compounds (TICs);

-TCL Base Neutral Acids (BNA)/SVOCs + 20;

-TCL Pesticides/Herbicides/PCBs; and

-TAL Metals (including hexavalent chromium); and

-Total Cyanide

Field blank, duplicate, MS/MSD samples were collected at a rate of approximately one per 20 samples or SDG. Trip blanks were included one per VOC cooler. All samples were shipped via courier to Hampton Clarke-Veritech Laboratories of Fairfield, New Jersey under proper chain of custody protocols. The samples were submitted for laboratory analysis with NYSDEC ASP Category B Deliverables.

4.2.3 Groundwater Investigation

Vertical groundwater profile sampling was completed and followed by the installation of seven monitoring wells to characterize groundwater quality at the Site. Drilling services were provided by EP2, under supervision of Sovereign. The RIWP originally specified the installation of five water table monitoring wells first, followed by groundwater profile sampling. Sovereign submitted an Addendum for the modification of the groundwater investigation to the NYSDEC on July 27, 2015 and was approved by the NYSDEC on July 29, 2015. This modification included performing the groundwater profiling first, then setting the monitoring well depths based upon those results. In addition, it allowed for the installation of the monitoring wells utilizing direct-push drilling method with 3.25-inch casing instead of hollow-stem augers. Details are provided in the following sections.

4.2.3.1 Groundwater Profiling

The groundwater profile locations (GWP-1 through GWP-6) were installed in AOCs, downgradient (southern property line), and upgradient (northern portion of the Site). The groundwater profile sample locations (GWP-1 through GWP-6) were installed in the same boreholes as the monitoring well soil boring locations (MW-1 through MW-5) and SB-1 (adjacent to the septic system). The groundwater profile locations are shown on **Figure 3-1**.

From July 14th though 23rd, 2015, EP2 advanced the six groundwater profile borings with a Geoprobe® 6712DT to an approximate depth of 67 ft bgs. A one-half inch diameter, four-foot long, retractable, stainless steel well screen was exposed, with the center portion of the screen set at approximately 65 ft bgs. Groundwater was purged with inertia pump (Waterra Hydro Lift) or a peristaltic pump/manual check valve. The purge water was collected in Department of Transportation (DOT) drums, pending off-site disposal. A YSI water quality meter with a flow through cell and a turbidity meter were used to periodically measure temperature, specific conductance, dissolved oxygen (DO), pH, oxygen reduction potential (ORP), and turbidity. The temporary well points were purged until the parameters stabilized, except for turbidity due to the nature of sampling from temporary well points. Groundwater sampling logs are included in **Appendix E**.

The YSI meter was disconnected and the groundwater samples were then collected in laboratory-supplied sample containers with preservatives for analysis of TCL-VOCs+10 and placed in a cooler with ice. The well point was then retracted every five feet and samples collected as indicated above until a final depth of approximately 35 ft bgs, just below the water table. At GWP-5, the three shallowest points, and at GWP-6, the two shallowest points, the groundwater samples were collected for analysis of TCL+30 and TAL/Hexavalent Chromium/ Cyanide. Due to high turbidity readings as a result of sampling temporary well points, the samples collected for metals were field-filtered prior to placing into the laboratory-supplied sample containers and placed into a cooler with ice.

Field blank, duplicate, MS/MSD samples were collected at a rate of approximately one per 20 samples or SDG. Trip blanks were included one per VOC cooler. All samples were shipped via courier to Hampton Clarke-Veritech Laboratories of Fairfield, New Jersey under proper chain of custody protocols. The samples were submitted for laboratory analysis with NYSDEC ASP Category B Deliverables.

4.2.3.1 Monitoring Well Installation

A total of seven monitoring wells (MW-1S, MW-1D, MW-2, MW-3, MW-5S, MW-5D, and MW-6) were installed as opposed to five water table monitoring wells as originally proposed in the RIWP. As previously indicated, a RIWP Addendum was approved by the NYSDEC to allow for the installation of monitoring wells to be based the results of the groundwater profiling data. Based upon the groundwater profile analytical data, monitoring wells MW-1 and MW-5 were installed as couplet wells (two well screens – shallow and deep) and the rest of the wells were single screens. Three water table wells (MW-1S, MW-5S, and MW-6), screened from 28' to 38', and four deeper wells (MW-1D, MW-2, MW-3, and MW-5D), screened from 40' to 45', were installed. Though not originally proposed in the RI Work Plan, MW-6 was installed at the location of GWP-6 (adjacent to the septic system) based upon groundwater profiling data. MW-4 (upgradient) was not installed based on non-detectable concentrations of VOC determined at this location during groundwater profiling. The locations of the monitoring wells are shown on **Figure 3-1**.

On August 3 and 4, 2015, the monitoring wells were installed by EP2 utilizing a Geoprobe® 6712DT with 3.25-inch diameter casing with an expendable point at the bottom. The casings were advanced to the desire depths and then the expendable point was knocked out the bottom. Two-inch diameter, schedule 40 PVC, 20 slot well screens and two-inch diameter, sch. 40 well casings were installed. The well screens for the water table wells were installed from approximately 28 to 38 ft bgs, while the well screens for the deeper wells were set from approximately 40 to 45 ft bgs. A sand pack was installed from approximately one foot below the well screen to two feet above the well screen, followed by a two-foot bentonite seal. The water table wells were grouted from the bentonite seal to five ft bgs, while the deeper wells were grouted from the bentonite seal to 25 ft bgs. The wells were completed with j-plugs and six-inch diameter roadboxes finished at grade. Well construction logs are included in **Appendix D**.

On August 5 and 6, 2015, the wells were developed by EP2 utilizing a submersible pump and periodically surging the wells. During development, water quality parameters (ORP, DO, pH, temperature, specific conductance and turbidity) were measured approximately every 5 minutes with a YSI meter with a flow-through cell and a turbidity meter until parameters stabilized and turbidity readings were less than 10 nephelometric turbidity units (NTUs). Well development logs are included in **Appendix F**. The wells were developed for 35 minutes (MW-1S) to 70 minutes (MW-6) with between 51 and 105 gallons of water

pumped. The development water was contained in DOT drums, pending off-site disposal.

4.2.3.2 Monitoring Well Gauging and Sampling

All monitoring wells were sampled by Sovereign from August 18 through 20, 2015. The wells were gauged prior to sampling with a water level meter to obtain depth to water readings that were used to draft groundwater contour maps.

Each of the monitoring wells was sampled using the low-flow sampling technique. A bladder pump was set at the approximate middle portion of the screen and the wells purged at a rate ranging from 90 to 250 milliliters per minute (ml/min). A YSI water quality meter with flow-through cell and turbidity meter were used to periodically measure temperature, specific conductance, DO, pH, ORP, and turbidity. The wells were purged until the parameters stabilized and turbidity readings were less than 10 NTUs. Groundwater sampling logs are included in **Appendix E**. Purging took from 60 to 85 minutes to complete with 2 to 4.5 gallons of water purged per well. Purge water was placed in a DOT drum, pending off-site disposal.

After purging was completed, the YSI meter was disconnected and the groundwater samples were placed directly into laboratory-supplied sample containers with the appropriate preservatives and placed in a cooler with ice. Based upon low turbidity readings (<10 NTUs), no field-filtering was performed prior to collecting the groundwater samples. Field blank, duplicate, MS/MSD samples were collected at a rate of approximately one per 20 samples or SDG. Trip blanks were included one per VOC cooler. All samples were shipped via courier to Hampton Clarke-Veritech Laboratories of Fairfield, New Jersey under proper chain of custody protocols. The samples were submitted for laboratory analysis of TCL+30 and TAL/Hexavalent Chromium/ Cyanide with NYSDEC ASP Category B Deliverables.

4.2.4 Soil Vapor Investigation

A soil vapor investigation was conducted to assess potential soil vapor intrusion associated with the Site. The soil vapor investigation consisted of the installation and collection of vapor samples from eight (8) sub-slab vapor points and seven (7) soil vapor points. In addition, four indoor air samples and one outdoor ambient air sample were collected for analysis of VOCs.

4.2.4.1 Soil Vapor Point and Sub-Slab Vapor Point Installations

On July 1 and 2, 2015, EP2 installed seven (7) soil vapor points (SV-1 through SV-7). The locations of the soil vapor points are shown on **Figure 3-1**. A hand auger was utilized advance a boring to approximately five ft bgs. A 6-inch long, ½-inch diameter stainless steel vapor implant was connected to approximately five feet of 3/8-inch diameter, Teflon-line tubing and inserted into the hole and a plug installed at the top of the tubing. Number 2 sand was placed around the vapor implant to one foot above and then grouted to grade. A 4-inch diameter roadbox was installed and grouted in place. Soil Vapor Point construction logs are included in **Appendix D**.

On July 7 and 10, 2015, EP2 installed eight sub-slab vapor points (SS-1 through SS-8). The locations of the sub-slab vapor points are shown on **Figure 3-1**. A hammer drill was utilized to break through the concrete slab and to advance a hole approximately six inches below the concrete slab. A 6-inch long, ½-inch diameter stainless steel vapor implant was connected to a 3/8-inch diameter, Teflon-line tubing and inserted into the hole and a plug installed at the top of the tubing. Number 2 sand was placed around the vapor implant, followed by a bentonite seal. A 4-inch diameter roadbox was installed and grouted in place. A diagram of a typical sub-slab vapor point is presented as **Figure 4-1**.

4.2.4.2 Sub-Slab Vapor and Soil Vapor Sampling

Sub-slab vapor sampling was conducted on August 11, 2015 and soil vapor sampling was conducted on August 12, 2015. Prior to collecting the vapor samples, a helium tracer test was performed on each sub-slab and soil vapor points the day of sampling according to NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH, 2006). Metal containers were retrofitted to include a hose barb connection on the lower side (after inverted) to connect to helium canisters, a small ballvalue on the upper side (after inverted) to reduce pressure build-up within the container, and an opening on the top (after inverted) to allow Teflon-lined sampling tubing to pass through and be connected to a helium meter (MGD-2002). Refer to **Figure 4-2** for the helium tracer test configuration.

The sub-slab and soil vapor point Teflon-lined tubing was connected to an additional section of Teflon-lined tubing with a hose barb and was then passed through the center of the container. Bentonite seals were placed around the bottom of the container as it was placed over the sub-slab and soil vapor points and around the tubing as it passed through the container. An air sampling pump was connected to the tubing and the

sub-slab and soil vapor points were purged of approximately two well volumes at a rate of 0.2 liters per minute (LPM). VOC readings were measured with a PID. PID readings for the sub-slab vapor points ranged from 0.0 parts per million by volume (ppmv) in SS-5, SS-6 and SS-7 up to 4.1 ppmv in SS-1. The PID readings for the soil vapor points ranged from 0.0 ppmv (SV-2 and SV-7) up to 2.4 ppmv (SV-1). Helium was then connected and allowed to fill the container, while the ball valve was opened slightly to reduce the pressure build-up. The containers were enriched with 50%-73% helium as measured by a helium detector (MGD-2002). The helium detector was then connected directly to each sub-slab or vapor point tubing and allowed to extract vapors while measuring for helium. As per NYSDOH soil gas sampling protocol, any readings greater than 10% helium would indicate a poor seal (NYSDOH, 2006). Helium readings for the sub-slab vapor points ranged from 375 ppm (SS-7) to 4.8% (SS-5 and SS-8), while the soil vapor points ranged from 0 ppm in six of the points up to 109,000 ppm in SV-1.

After verifying the seals were adequate and there were no significant leaks, the sub-slab and soil vapor point tubing was connected to a 6 Liter SUMMA canister set for a 8-hour sampling period. On August 11th, all of the SUMMA canisters connected to the sub-slab vapor points were turned on to begin sampling. In addition, four indoor air samples (IA-1 through IA-4), with the SUMMA canister set approximately four to five feet above the floor, were also collected during this time. The locations of the indoor air samples are shown of **Figure 3-1**. After approximately one hour, the vacuum gauges were inspected to insure the SUMMA canisters were working properly. The SUMMA canister for SS-4 did not appear to be working properly, so it was replaced. The SUUMA canisters were turned off approximately 8 hours after the initial start-up. On August 12th, after finishing the helium test on the soil vapor points, the SUMMA canisters were turned on. One ambient sample was collected in the front (east) of the building in the vicinity of SV-7. After approximately 8 hours, the SUMMA canisters were turned off. The SUMMA canisters were shipped via courier under chain of custody procedures to TestAmerica Laboratories of Burlington, Vermont, a NYSDOH ELAP certified laboratory (ELAP #10391), for analysis of VOCs in accordance with USEPA Method TO-15 with NYSDEC ASP Category B deliverables.

4.2.4.3 Chemical Inventory

An inventory of chemicals present within the South Shore Outdoor facility was conducted on August 11th. The parts washer room contained a 30-gallon drum of petroleum distillates (hydrotreated light), plus the product within the parts cleaner container. A 5-gallon container of acetone was located on the west side of the factory. Numerous containers (more than

100) of plastisol inks were present on shelving along the southwest wall of the factory. Review of the manufacturer's (One Stroke Inks) Safety Data sheet indicates "*This material does not contain any known or currently listed hazardous material nor does it contain any carcinogenic or suspected carcinogenic agents*." Additionally, the Safety Data Sheets indicates "*The ingredients in this product are classified as a trade secret and will not be listed*." A one gallon container of bleach and a one gallon container of Pine Sol® cleaner were observed near the north loading area. Lubricating oil is present within a compressor located by the north loading area, but no individual containers of lubricating oil were observed. Two vehicles are parked within the garage with door access directly to the factory area.

4.2.5 Surveying

All sampling point locations were surveyed by Hawkins-Webb-Jaeger, a New York State-Licensed Surveyor, on October 7, 2015. The top of casing elevations of the seven monitoring wells were surveyed. This information was utilized in preparing groundwater elevation contour maps. A summary of the surveyed X-Y Coordinates and elevations are included in **Table 4-1**.

4.2.6 Waste Management

Investigative-derived waste was containerized in DOT 55-gallon drums during the RI. This waste included equipment decontamination water, well development water, and well purging water. The drums were labeled and stored on site, pending disposal. In total, 17 drums of water were generated. No soil was generated during the RI that required disposal since Geoprobe® direct-push equipment was used for the collection of soil samples and for the installation of the monitoring wells,. On September 18, 2015, Lorco Petroleum Services of Elizabeth, New Jersey transported the drums from the Site to their facility for disposal.

5.0 REMEDIAL INVESTIGATION RESULTS

5.1 SITE HYDROGEOLOGY

The geology of the Site consist predominately of tan, fine to medium sand, some coarse sand and trace fine gravel to a depth of 40 ft bgs, based upon the soil boring data . Some fine sand-silt lenses were encountered and coarse sand-fine gravel lenses were observed below the water table in some borings. A gray to black, fine to coarse sand layer was observed in some borings between 38 to 40 ft bgs. At the bottom of drywells, the soil was generally brown, black to dark gray in color for several feet. The backfill in the former industrial leach pools consisted mostly of brown to dark brown, fine to medium sand, with some silt and gravel. The MiPHPT study indicated that the lithology did not change significantly to depths of 65 ft bgs. Soil boring logs are included in **Appendix D**.

The depth to groundwater on Site ranges from approximately 30 to 33 feet bgs based upon well gauging data collected on August 18, 2015. A summary table of well gauging data is presented as **Table 5-1**. Groundwater flows to the southeast under a hydraulic gradient of approximately 0.001 feet per foot based upon the groundwater elevation differences between MW-3 and MW-1D over a distance of 325 feet perpendicular to the groundwater flow. A groundwater elevation map for data collected on August 18, 2015 is presented as **Figure 5-1.** Hydraulic conductivity readings ranged from approximately 50 to 100 feet per day, but were mainly within the 60 to 80 feet per day range as determined by the MiPHT study. There is a minimal vertical hydraulic gradient, with a 0.001 feet per foot downward gradient indicated in MW-1S/1D and 0.02 feet per foot upward gradient in MW-5S/5D.

5.2 SOURCE, NATURE, AND EXTENT OF CONTAMINATION

5.2.1 Overview

This section describes the results of the RI and the nature and extent chemical releases by media (i.e., soil and groundwater). The types and concentrations of chemicals in Site soil are compared to NYSDEC Part 375 Unrestricted-Use SCOs and Commercial-Use SCOs and are presented in **Tables 5-2** through **Table 5-5** . A summary of soil analytical results above Commercial-Use SCOs is presented in **Figure 5-2**. Groundwater results are compared to NYSDEC Class GA Standards and Guidance Values (WQS) as per Technical and Operational Guidance Series (TOGS 1.1.1)

and are presented in **Table 5-7** through **Tables 5-10**. A summary of groundwater analytical results above WQS is presented in **Figure 5-3**. Indoor air results and soil vapor results are compared to NYSDOH indoor air guidance values and EPA Base Indoor Air Concentrations for Commercial Buildings and are presented in **Table 5-11**. Total VOC concentrations in soil vapor and indoor air are presented in **Figure 5-4**. Electronic copies of the laboratory reports are included in **Appendix G** as an attached CD. All analytical data were submitted to Data Validation Services of North Creek, New York for data validation and preparation of a Data Usability Summary Report (DUSR). The DUSR is included in **Appendix H**. The soil, groundwater, and air summary tables include the data validator's qualifiers.

5.2.2 Nature and Extent of Impacts to Soil

The following sections describe the nature and extent of impacts to soil. The descriptions are broken down into areas of concern: the former industrial leaching pools and stormwater drywells, the former industrial process area, and the other remaining areas of concern (former heating oil UST, septic system, and monitoring well soil borings).

5.2.2.1 Former Industrial Leaching Pools and Stormwater Drywells

A total of 118 soil samples have been collected from the former industrial leaching pools, current stormwater drywells, current stormwater overflow drywells, and former stormwater drywell and analyzed for TCL-VOCs+10. Sample depths ranged from 5 to 40 ft bgs. Total VOC concentrations ranged from below the laboratory reporting limit in 73 samples up to a maximum concentration of 350,000 µg/kg, consisting of 1,1,1-trichloroethane, in SW-5(19'-21'). Only seven of the VOC soil sample results were above Unrestrictive SCOs for one or more VOCs and none were above Commercial-Use SCOs as summarized below.

Analyte	**Unrestricted SCO (µg/kg)**	**Commercial – Use SCO (µg/kg)**	**LP-1 (30-32) (µg/kg)**	**LP-1A (15-17) (µg/kg)**	**LP-19 (10-11) (µg/kg)**	**LP-21 (15-17) (µg/kg)**
1,1,1-TCA	680	500,000	52	5,900	3,300	<1.5
Acetone	50	500,000	730	<540	<820	730
TCE	470	200,000	3.1	<110	760	<1.5

Analyte	Unrestricted SCO (µg/kg)	Commercial – Use SCO (µg/kg)	SW-5 (19-21) (µg/kg)	SW-5 (21-25) (µg/kg)	SW-07 (10-11) (µg/kg)
1,1,1-TCA	680	500,000	350,000	1,000	<100
Ethylbenzene	1,000	390,000	<2200	<93	3,800
Toluene	700	500,000	<2200	<93	1,600
Xylenes	260	500,000	<2200	<93	26,600
1,2,4-Trimethyl-benzene*	3,600	190,000	ND	ND	18,000NJ

*TIC
Shaded= Above Unrestricted SCO
NJ= The detection is tentative in identification and estimated in value.

The VOC soil analytical data is summarized in **Table 5-2**. The VOC results for SW-5, SW-7, LP-1A, LP-19, and LP-21 indicate that VOC concentrations reduce down to below unrestricted SCOs at depths above the water table. The acetone detections in LP-1(30'-32') and LP-2(15'-17') may be suspect due to the nature of acetone being a prevalent laboratory contaminant.

A total of 34 soil samples have been collected from the former industrial leaching pools, stormwater drywells, stormwater overflow drywells, and former stormwater drywell and analyzed for TCL-SVOCs+20. Sample depths ranged from 5 to 40 ft bgs. Total SVOC concentrations ranged from below the reporting limit in 19 samples up to 31,470 µg/kg in SW-4 (9'-10'). Only four of the SVOC soil sample results were above Unrestrictive SCOs for one or more SVOCs. Two of these samples, SW-4(9'-10') and SW-6(10'-11'), were detected above the Commercial-Use SCOs for benzo(a)pyrene. The exceedances are summarized below.

Analyte	Unrestricted SCO (µg/kg)	Commercial-Use SCO (µg/kg)	SW-4 (9-10) (µg/kg)	SW-5 (19-21) (µg/kg)	SW-6 (10-11) (µg/kg)	SW-8 (10-11) (µg/kg)
benzo(a) anthracene	1,000	5,600	1,800	400	1,400	580
benzo(a) pyrene	1,000	1,000	2,000	510	1,400	610
benzo(b) fluoranthene	1,000	5,600	3,600	1,200	2,400	1,300
4-methylphenol	330	500,000	<86	<62	<76	370
benzo(k) fluoranthene	800	56,000	890	410	740	<560
chrysene	1,000	56,000	2,800	1,000	1,900	1,300
dibenz(a,h) anthracene	330	560	400	<250	310	<560
Indeno (1,2,3-c,d) pyrene	500	5,600	1,400	500	1,100	560

Shaded= Above Unrestricted SCO
Shaded= Above Commercial-Use SCO

The above samples were all collected at the base of the active stormwater drywell structures. SVOC concentrations reduced to below Unrestricted SCOs above the water table. The SVOC soil analytical data is summarized in **Table 5-3**. A summary of soil analytical results above Commercial-Use SCOs is presented as **Figure 5-2**. Numerous low level TICs were detected. None of TICs had a corresponding SCO with the exception of 1,3,5-trimethylbenzene, but the concentration was below the unrestricted SCO.

Fourteen soil samples were collected from the former industrial leaching pools, stormwater drywells, stormwater overflow drywells, and former stormwater drywell and analyzed for TCL-pesticides/herbicides/PCBs. Sample depths ranged from 5 to 40 ft bgs. All results were below the laboratory reporting limit with the exception of LP-6(5'-10') that contained 26 µg/kg of P,P'-DDE and 54 µg/kg of P,P'-DDT. These concentrations are slightly above their Unrestrictive SCOs of 3.3 µg/kg, but well below their Commercial-Use SCOs of 62,000 and 47,000 µg/kg, respectively. The pesticide/herbicide/PCB soil analytical data is summarized in **Table 5-4**.

A total of 118 soil samples have been collected from the former industrial leaching pools, stormwater drywells, overflow drywells, and former stormwater drywell and analyzed for TAL-metals/Hexavalent chromium/cyanide. Sample depths ranged from 5 to 40 ft bgs. Metal analytical results for one or more analytes were detected above Unrestrictive-Use SCOs in 44 samples. Only ten of the samples were detected above Commercial-Use SCOs for one or more of the following analytes: copper, cyanide, lead, barium, and cadmium as summarized below.

Analytes:	**Copper (mg/kg)**	**Cyanide (mg/kg)**	**Lead (mg/kg)**	**Barium (mg/kg)**	**Cadmium (mg/kg)**
Commercial-Use SCOs:	**270**	**27**	**1,000**	**400**	**9.3**
LP-1(17-18)	19,000	47	4,200	70	0.91
LP-1(30-32)	300	4.3	180	<12	<0.47
LP-1A(15-17)	410	7.7	2,000	13	<0.46
LP-8(5-10)	410	<0.25	640	<11	<0.42
LP-19(10-11)	730	0.6	1,300	520	21
LP-20(15-17)	450	0.39	140	<10	<0.42
SW-4(9-10)	340	0.63	110	44	1.3
SW-5(19-21)	300	<0.36	100	52	<0.6
SW-6(10-11)	360	<0.36	110	42	1.4

Shaded= Above Commercial-Use SCO

The samples LP-1(17'-18') and LP-19(10'-11') were collected from the base of the former industrial leaching pools, which had not been backfilled and did not appear to had been cleaned out previously. SW-4(9'-10'), SW-5(19'-21'), and SW-6(10'-11') were collected from the base of the active stormwater drywells. The copper, lead, and cyanide concentrations in LP-1 reduced significantly before reaching the water table and the sample

results for LP-1(38'-40'), located below the water table, were below Unrestricted SCOs. The other sample results reduced to below or only marginally above Unrestricted SCOs around the water table. The metal/cyanide soil analytical data is summarized in **Table 5-5**. A summary of soil analytical results above Commercial-Use SCOs is presented as **Figure 5-2**.

In addition to TCL-VOCs+10, TCL-SVOCs+20, TCL-pesticides/ herbicides/ PCBs, TAL-metals/hexavalent chromium/cyanide analyses, the soil samples collected from the backfill material in seven of the former industrial leaching pools (approximately 25% of the backfilled former industrial leaching pools), were additionally submitted for analysis of TCLP-VOCs and TCLP- metals. In addition, four soil samples were collected from SW-5 at depths ranging from 19 to 40 ft bgs and were also analyzed for TCLP-VOCs and metals. The results were below the RCRA regulatory limits. The TCLP-VOC/metal results are summarized in **Table 5-6**.

5.2.2.2 Former Industrial Process Area

Eight shallow soil borings were installed to a depth of 8 ft bgs in the approximate location of the former industrial process area and 17 soil samples were collected. In addition, one soil boring (SB-4) was installed at the location of the former waste water holding tank and three soil samples were collected from 0 to 30 ft bgs. The 20 samples were analyzed for TCL-VOCs+10, TCL-SVOCs+20, TCL-pesticides/herbicides/PCBs, TAL-metals/hexavalent chromium/cyanide.

Total VOC concentrations ranged from below the laboratory reporting limit in four samples up to a maximum concentration of 40,007 µg/kg in IP-8(3'-4'), consisting predominately of trichloroethylene (39,000 µg/kg). IP-8(3'-4') was the only sample above Unrestrictive SCOs for one or more VOCs and none were above Commercial-Use SCOs. The results are summarized below.

Analyte	**Unrestricted SCO (µg/kg)**	**Commercial – Use SCO (µg/kg)**	**IP-8 (3-4) (µg/kg)**
1,1,1-TCA	680	500,000	930
Benzene	60	44,000	77
TCE	470	200,000	39,000

Shaded= Above Unrestricted SCO

Low level TICs were only detected in six samples. The VOC soil analytical data is summarized in **Table 5-2**.

Total SVOC concentrations ranged from below the reporting limit in 11 samples up to 4,230 µg/kg in IP-5(0-2). None of the SVOC soil sample results were above Unrestrictive SCOs or Commercial-Use SCOs. The SVOC soil analytical data is summarized in **Table 5-3**. Numerous low level TICs were detected with the exception of diacetone alcohol, detected up to 170,000 µg/kg, but this compound was also detected in the method blanks. None of TICs had a corresponding SCO with the exception of trichloroethylene, which is analyzed by the volatile analysis.

The pesticide/herbicide/PCB soil analytical results were below the laboratory reporting limit with the exception of eight samples detecting low level pesticides and one sample containing PCBs. The PCBs were below the Unrestrictive SCOs and Commercial-Use SCOs. The following pesticides were detected slightly above Unrestricted SCOs, but well below Commercial-Use SCOs : P,P'-DDD; P,P'-DDE; and P,P'-DDT. The results are summarized below.

Analyte:	**P,P'-DDD (µg/kg)**	**P,P'-DDE (µg/kg)**	**P,P'-DDT (µg/kg)**
Unrestrictive SCOs	3.3	3.3	3.3
Commercial- Use SCOs	92,000	62,000	47,000
IP-1(0-2)	<2.7	3.8	6.9
IP-1(2-4)	14J	<5.4	10J
IP-4(0-2)	5	<2.7	5.8
IP-5(4-8)	<2.6	<2.6	9.4
IP-6(0-2)	4.3NJ	<2.7	<2.7
IP-8(3-4)	<3.1	5.8J	15NJ
SB-4(0-2)	<2.6	<2.6	4.5

Shaded= Above Unrestricted SCO
NJ= The detection is tentative in identification and estimated in value.

The pesticide/herbicide/PCB soil analytical data is summarized in **Table 5-4**.

Metal analytical results for copper, lead, mercury, and zinc were detected above Unrestrictive SCOs in six samples. Only one sample, IP-5(0'-2'), contained copper (1,300 mg/kg) and lead (3,700 mg/kg) concentrations above Commercial-Use SCOs of 270 mg/kg and 1,000 mg/kg, respectively. All other results were below Commercial-Use SCOs. The metal/cyanide soil analytical data is summarized in **Table 5-5**. A summary of soil analytical results above Commercial-Use SCOs is presented as **Figure 5-2**.

5.2.2.3 Other Areas of Concern

The remaining areas of concern include the septic system location (SB-1), the former heating oil UST (SB-2), and the locations of the monitoring wells (MW-1S, MW-2, MW-3, MW-4, and MW-5S). Seven soil borings were installed to a depth of 30 ft bgs, the approximate depth of the water table, and a total of 20 samples were collected. All of the samples were analyzed for TCL-VOCs+10, TCL-SVOCs+20, TCL-pesticides/herbicides/PCBs, TAL-metals/hexavalent chromium/ cyanide, except for the three samples collected from SB-1. The three samples collected from SB-1 were not analyzed for TCL-pesticides/ herbicides/PCBs as per the approved RIWP. The sample collected from the backfill material of the former heating oil UST location (SB-2(5'-10')) was additionally analyzed for TCLP-VOCs/Metals.

Total VOC concentrations ranged from below the laboratory reporting limit in 12 samples up to a maximum concentration of 38.9 µg/kg in MW-5(28'-30'). None of the VOC soil sample results were above Unrestrictive SCOs or Commercial-Use SCOs. Low level TICs were only detected in 14 samples. The VOC soil analytical data is summarized in **Table 5-2**.

Total SVOC concentrations ranged from below the reporting limit in 13 samples up to 2,580 µg/kg in MW-3(0-2). None of the SVOC soil sample results were above Unrestrictive SCOs or Commercial-Use SCOs. The SVOC soil analytical data is summarized in **Table 5-3**. Numerous low level TICs were detected, but none of TICs had a corresponding SCO.

The pesticide/herbicide/PCB soil analytical results were below the laboratory reporting limit with the exception of four samples detecting low level pesticides and one sample containing PCBs above Unrestricted SCOs, but below Commercial-Use SCOs. The results are summarized below.

Analyte:	P,P'-DDE (µg/kg)	PCBs(µg/kg)
Unrestrictive SCOs	3.3	100
Commercial- Use SCOs	62,000	1,000
MW-1(0-2)	4.8	3.8
MW-3(0-2)	5	97
MW-4(0-2)	3.5	<28
MW-5S(0-2)	30	290

Shaded= Above Unrestricted SCO

The pesticide/herbicide/PCB soil analytical data is summarized in **Table 5-4**.

Metal/Cyanide analytical results were below Unrestrictive SCOs and Commercial-Use SCOs in all of the samples, except for copper detected in MW-3(0'-2') at a concentration of 110 mg/kg. This concentration is above the Unrestrictive-Use SCO of 50 mg/kg, but below the Commercial-Use SCO of 270 mg/kg. The metal/cyanide soil analytical data is summarized in **Table 5-5**.

The soil sample collected from the backfill material at the location of the former heating oil UST (SB-2) at a depth of 5 to 10 ft bgs was also submitted for analysis of TCLP-VOCs and metals. The results were below the laboratory reporting limits. The TCLP-VOC/metal results are summarized in **Table 5-6**.

5.2.3 Nature and Extent of Impacts to Groundwater

As discussed in Section 4.2.3, vertical groundwater profile samples were collected at six locations (GWP-1 through GWP-6). Based upon these results, seven monitoring wells were installed and groundwater samples subsequently collected.

Groundwater Profiling

Groundwater samples were collected at 5-foot intervals from approximately 35 to 65 ft bgs, for a total of 42 samples. All of the samples were submitted for laboratory analysis of TCL-VOCs+10. The three shallowest samples from GWP-5 and the two shallowest samples from GWP-6 were additionally analyzed for TCL-SVOCs+20, TCL-pesticides/herbicides/PCBs, and TAL-metals/hexavalent chromium/ cyanide.

VOC analytical results ranged from below the laboratory reporting in 35 samples up to a maximum concentration of 944 µg/l in GWP-5(35'), consisting predominately of 1,1,1-trichloroethane. Only two samples, GWP-5(35')(900 µg/l) and GWP-5(45') (7.4 µg/l), contained 1,1,1-trichlorethane above WQS. GWP-5(35') also contained 44 µg/l of 1,1-dichoroethane, above WQS. Only one unknown TIC was detected at an estimated concentration of 6.7 µg/l The VOC groundwater analytical results are summarized in **Table 5-7**.

SVOC analytical results for the five samples analyzed were below the laboratory reporting limit. Low level TICs were detected in two samples. None of the TICs had an associated WQS. The SVOC groundwater analytical results are summarized in **Table 5-8**.

The pesticide/herbicide/PCB analytical results were below the laboratory limit in all five samples. The pesticide/herbicide/PCB analytical results are summarized in **Table 5-9**.

The metal/cyanide analytical results indicated on or more of the following metal concentrations above WQS: cadmium, copper, iron, manganese, lead, nickel, and sodium concentrations. The results above WQS are summarized below.

Analyte	**WQS (µg/l)**	**GWP-5 (35) (µg/l)**	**GWP-5 (40) (µg/l)**	**GWP-5 (45) (µg/l)**	**GWP-6 (35) (µg/l)**	**GWP-6 (40) (µg/l)**
Cadmium	5	<2	<2	6.7	<2	<2
Copper	200	170	<50	730	110	110
Iron	300	2,100	14,000	2,600	5,600	4,200
Manganese	300	<40	130	270	83	340

Analyte	WQS (µg/l)	GWP-5 (35) (µg/l)	GWP-5 (40) (µg/l)	GWP-5 (45) (µg/l)	GWP-6 (35) (µg/l)	GWP-6 (40) (µg/l)
Nickel	100	150	<50	570	<50	<50
Sodium	20,000	15,000	15,000	16,000	23,000	22,000

Shaded – Above WQS

Copper, iron, manganese are regulated by USEPA as Secondary Standards. The Secondary Standards are non-enforceable guidelines regulating contaminants that may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor, or color) in drinking water. There is no State or Federal standard for sodium in groundwater, but its presence in shallow groundwater is commonly associated with road salting during the winter months. The complete metal/cyanide analytical results are summarized in **Table 5-10**.

Monitoring Wells

Groundwater samples were collected from the seven monitoring during August 18 – 20, 2015. The groundwater samples were collected following low-flow sampling procedures and all samples were analyzed for TCL-VOCs+10, TCL-SVOCs+20, TCL-pesticides/herbicides/PCBs, and TAL-metals/hexavalent chromium/ cyanide.

VOC analytical results ranged from below the laboratory reporting in five samples up to a maximum concentration of 1,850 µg/l in MW-5S (water table well), consisting of 1,1,1-trichloroethane (1,600 µg/l) and 1,1-dichloroethane (250 µg/l). MW-5S was the only sample containing VOCs above WQS. Only one unknown TIC was detected at an estimated concentration of 3.5 µg/l The VOC groundwater analytical results are summarized in **Table 5-7**. A summary of groundwater analytical results above NYSDEC Class GA Standards and Guidance values is shown on **Figure 5-3**.

SVOC analytical results for six samples analyzed were below the laboratory reporting limit. The only detection was 0.72 µg/l of naphthalene in MW-1D (screened ~40-45 ft bgs), but below NYSDEC WQS. Low level TICs were detected in two samples, MW-1S and MW-5D. None of the TICs had an associated WQS. The SVOC groundwater analytical results are summarized in **Table 5-8**.

The pesticide/herbicide/PCB analytical results were below the laboratory limit in all seven samples. The pesticide/herbicide/PCB analytical results are summarized in **Table 5-9**.

The metal/cyanide analytical results indicated copper, iron, manganese, nickel, sodium, and thallium concentrations above WQS. The results above WQS are summarized as follows:

Analyte	**WQS (µg/l)**	**MW-1S (µg/l)**	**MW-1D (µg/l)**	**MW-2 (µg/l)**	**MW-3 (µg/l)**	**MW-5S (µg/l)**	**MW-5D (µg/l)**	**MW-6 (µg/l)**
Copper	200	470	960	<50	<50	220	120	78
Iron	300	460	340	<300	<300	<300	12,000	<300
Manganese	300	67	96	72	1,200	<40	150	82
Nickel	100	<50	<50	<50	<50	78	450	<50
Sodium	20,000	24,000	31,000	62,000	29,000	13,000	26,000	11,000
Thallium	0.5	<2	<2	<2	<2	<2	2.4	<2

Shaded – Above WQS

Copper, iron, manganese are regulated by USEPA as Secondary Standards. The Secondary Standards are non-enforceable guidelines regulating contaminants that may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor, or color) in drinking water. There is no State or Federal standard for sodium in groundwater, but its presence in shallow groundwater is commonly associated with road salting during the winter months. The complete metal/cyanide analytical results are summarized in **Table 5-10.** A summary of groundwater analytical results above NYSDEC Class GA Standards and Guidance values is shown on **Figure 5-3**.

5.2.4 Nature and Extent of Soil Vapor and Indoor Air

A total of eight sub-slab vapor point samples and four indoor air samples were collected on August 11, 2015 and seven soil vapor point samples and

one ambient air sample were collected on August 12, 2015. The samples were analyzed for VOCs.

Total VOCs from the eight sub-slab vapor points ranged from 320.15 µg/m^3 in SS-6 to 293,200 µg/m^3 in SS-2, while the indoor air samples ranged from 309.89 µg/m^3 in IA-1 to 798.3 µg/m^3 in IA-2. The highest concentrations are located within the former industrial process area and closest to SW-5, the soil boring location with the highest VOC concentrations. Total VOCs from the seven soil vapor points ranged from 1,100.5 µg/m^3 in SV-3 to 51,980 µg/m^3 in SV-5, located closest to SW-5. The ambient air samples contained 40.3 µg/m^3 total VOCs. A summary of VOC air analytical results is summarized in **Table 5-11**. Total VOC concentrations in soil vapor, indoor air, and ambient air are shown on **Figure 5-4**.

The indoor air sample and ambient air results were compared to the NYSDOH indoor air guidance values and the EPA base indoor air concentrations for commercial buildings. The indoor air sample results were below the NYSDOH guidance values for the three compounds with guidance values (methylene chloride, tetrachloroethylene, and trichloroethylene). All four indoor air samples and the ambient air sample contained one or more VOC concentrations above EPA base indoor air concentrations for commercial buildings and are summarized below.

Compound	**EPA Base Indoor Air Concentrations (µg/m^3)**	**AMB-1 (µg/m^3)**	**IA-1 (µg/m^3)**	**IA-2 (µg/m^3)**	**IA-3 (µg/m^3)**	**IA-4 (µg/m^3)**
1,1,1-TCA	33	<1.1	2.8J	110	6.4	5.5J
1,1-DCA	0.8	0.8	<3.2	1.9J	<4.1	<6.5
1,2,4-Trimethylbenzene	13.7	<0.98	8.2	15	6	5.9J
Acetone	120.2	20	210	500	270	410
Carbon Disulfide	6.4	9.2	5.1J	<12	6.8J	3.6J

Shaded = Above EPA Base Indoor Air Concentrations for Commercial Buildings

During the chemical inventory survey, a 5-gallon container of acetone was observed within factory. The ambient air sample contained 9.2 µg/m^3, above the EPA base indoor air concentrations for commercial buildings and greater than the detection in IA-3.

5.3 RELEASE FATE & TRANSPORT

Migration pathways for this Site include the following:

- Vertical migration of COCs from soil in the vadose zone at depths of just below ground surface down to the water table, at approximately 30 feet bgs. Remaining soil impacts at the Site include concentrations of SVOC benzo(a)pyrene, and metals barium, cadmium, copper, lead, and cyanide collected from samples located at depths between zero to two feet (IP-5) down to 19 to 21 feet (SW-5) bgs.
- Lateral migration of COCs at the water table with groundwater flow. Groundwater flow beneath the Site is to the southeast.
    - SVOCs: Concentrations of 1,1,1-trichlorethane and 1,1-dichoroethane were detected in monitoring well MW-5S above WQS. However, based upon available data, concentrations of these COCs detected in groundwater have not migrated to any downgradient or cross-gradient wells.
    - Metals: Concentrations of one or more metals, including copper, iron, manganese, nickel, sodium, and thallium, were detected in groundwater sampled from monitoring wells MW-1S, MW-1D, MW-2, MW-3, MW-5S, MW-5D, and MW-6 above WQS. Concentrations of metals above WQSs were detected in down gradient and cross gradient monitoring wells.
- Vertical migration of COCs deeper into the aquifer. Metals considered COCs related to the Site have densities greater than water. Copper, iron, nickel, sodium, and/or thallium were detected above WQSs in deep monitoring wells MW-1D and MW-5D.
- Volatilization of COCs from impacted soil and groundwater into the Site building. Several VOCs were detected above EPA base indoor air concentrations for commercial buildings.

6.0 QUALITATIVE HUMAN HEALTH AND EXPSOURE ASSESSMENT

6.1 OVERVIEW

This Section of the RI examines the Site data and information and provides a qualitative assessment of the potential for exposure to COCs related to historical Site activities. This assessment includes identifying potential sources of contamination, environmental media and transport mechanisms, point of exposure, routes of exposure, and potential receptors.

6.2 SITE SETTING & SOURCE

The physical settings of the Site are included in Section 2 of this report. Site is located at 1760 Fifth Avenue at the intersection of Candlewood Road, in the Hamlet of Bay Shore, Town of Islip, Suffolk County, New York. A Site Location Map is presented as **Figure 1-1**. Surrounding Site properties include:

North: Residences and Eden Road.

East: Fifth Avenue.

West: USA Industries, an auto parts remanufacturer.

South: Candlewood Road.

An aerial view of the local area is presented as **Figure 2-1**.

The property consists of a one story building, approximately 34,000 square feet (sf) with slab on grade construction, located on a 1.895 acre lot. Approximately 8,500 sf of the building is currently used for commercial purposes, with the remainder of the Site property consisting of a landscaped area on the east side of the building, and parking lot areas to the south and northeast of the building. A site plan is presented as **Figure 2-2**.

The source(s) of impact are assumed to be the historical commercial and industrial use of the Site and surrounding properties. An extensive industrial leaching pool system interconnected with asbestos transite piping was historically located at the Site, as shown on **Figure 2-2**. The

industrial leaching pool system was active until at least November 1985, when each industrial leaching pool was cleaned out, pressure washed, and backfilled pursuant to an Order on Consent with SCDHS. In addition, one UST, a multitude of ASTs, and industrial process tanks were operated at the Site from 1969 to 1986; and, a 5,000-gallon No. 2 fuel oil tank was located adjacent to and southeast of the building and removed in 2006.

6.3 CONTAMINANT RELEASE & TRANSPORT MECHANISMS

This section discusses contaminant release and transport mechanisms which can carry contaminants from the source to points where receptors can be exposed, and are specific to the type of COC and the Site use (i.e. residential versus commercial).

For COCs present in groundwater, potential exposure pathways include potential inhalation of vapors from groundwater migrating into the Site building. For COCs present in soil, potential exposure pathways include dermal exposure to soil due to direct contact with impacted soil, incidental ingestion of impacted soil, and inhalation of particulate matter. A summary of potential routes of exposure for receptor are detailed below:

Future and Current Use Scenarios include (assumed to be adults):

- Indoor Workers: Potential inhalation of vapors from soil gas and/or groundwater off-gas migrating into the building.

- Construction Workers: Dermal exposure to soil due to direct contact with impacted soil; incidental ingestion of impacted soil; and, inhalation of particulate matter.

The potential exposure to indoor workers at the Site is considered significantly higher than trespassers or visitors, and, the potential exposure to construction workers is significantly higher than utility workers and landscapers. Therefore, evaluation of indoor workers and construction workers are considered more conservative for potential risk associated with Site conditions.

Site use is expected to remain commercial/industrial and potential future use as a residence will be restricted. Consequently, evaluation of residential receptors is not necessary.

6.4 POTENTIAL HUMAN RECEPTORS

The Site is currently occupied by South Shore Outdoor Store, a screen-printer, embroiderer, and wholesaler of apparel and team uniforms. Potential human receptors at the Site include site workers, customers, pedestrians and trespassers. Current site workers are adults and future workers at the facility are assumed to be adults. Customers and pedestrians are assumed to be adults who maybe potentially accompanied by children. Trespassers are assumed to be both children and adults. Normal operations at the South Shore Outdoor Store facility may include several employees working eight to 12 hour shifts five days per week. Customers of the facility would be present only for short durations (10 minutes). Construction workers could also be present at the Site.

As the future use of the facility is anticipated to be restricted, future potential human receptors are expected to remain the same as current receptors and do not include residential receptors.

Based upon the location of impacts (i.e. beneath paved surface and/or the Site building) dermal, ingestion, and inhalation exposures to current and future human receptors are not expected. There are no USGS monitoring wells or public water supply wells within ½ mile of the Site and no surface water bodies are located on or adjacent to the Site, or within ½ mile of the Site, with the exception of one stormwater recharge basin. However, indoor air sampling conducted demonstrated COC concentrations above EPA base indoor air concentrations for commercial buildings.

6.5 IDENTIFICATION OF EXPOSURE POINTS

This section discusses contaminant release and transport mechanisms which can carry contaminants from the source to points where receptors can be exposed, and are specific to the type of COC and the Site use (i.e. residential versus commercial).

6.5.1 Soil

Exposure to COCs in soil to workers and visitors is unlikely due to the location of impacts beneath asphalt and/or concrete paved surface. Construction workers, utility workers, and landscapers are the only receptors likely to be exposed to impacted soil. Benzo(a)pyrene was detected above Commercial-Use SCOs in one soil sample, SW-6 (10-11'), located on the northwestern (upgradient) portion of the Site. Several metals were detected above Commercial-Use SCOs on the southern and

western portions of the Site at depths ranging from just 0-2 ft bgs to 21 ft bgs. Soil impacts at the Site above Commercial-Use SCOs are all located beneath paved surface and/or the Site building.

6.5.2 Groundwater

Exposure to COCs in groundwater to potential receptors is unlikely due to the depth impacts (Site groundwater depths approximately 30 feet bgs) beneath paved surface and the facility is serviced by municipal water supply. In addition, there are no USGS monitoring wells or public water supply wells within ½ mile of the Site and no surface water bodies are located on or adjacent to the Site, or within ½ mile of the Site, with the exception of one stormwater recharge basin.

6.6 QUALITATIVE EXPOSURE ASSESSMENT SUMMARY TABLE

Environmental Media & Exposure Route	Human Exposure Assessment
Direct contact with surface soils (and incidental ingestion)	Receptors are not coming into contact because contaminated surface soils are covered with pavement and/or the Site building.
Direct contact with subsurface soils (and incidental ingestion)	Receptors can come into contact if they complete ground-intrusive work at the Site.
Ingestion of groundwater	Contaminated groundwater is not being used for drinking water, as the area is served by the public water supply. There are no known domestic water supply wells in the area. There are no USGS monitoring wells or public water supply wells within ½ mile of the Site and no surface water bodies are located on or adjacent to the Site, or within ½ mile of the Site. Private wells are not likely to be installed on the property, as it will be restricted to commercial/industrial use.
Direct contact with groundwater	Receptors can come into contact if they complete ground-intrusive work at the Site; however, groundwater contact is unlikely as the depth to groundwater at the Site is approximately 30 feet bgs.
Inhalation of air (exposures related to soil vapor intrusion)	Potential vapor intrusion impacts are anticipated to be mitigated by a vapor intrusion barrier, as well venting shallow soil vapors in the former industrial process area.
Other	None. Surface and sediment impacts are not anticipated based on the limited extent of impacts.

6.7 LIMITATIONS

Reasonable care has been exercised in performing the analyses in this Risk Characterization. This Risk Characterization was conducted based on available information concerning concentrations of contaminants in soil, groundwater, and indoor air detected during Site investigation activities. The conclusions of the Risk Characterization may need to be reviewed if new or changed information becomes available, such as:

- additional or revised sampling results;
- changes in the zoning or current or future use of the Site; and
- revisions to the Deed Restriction.

7.0 CONCLUSIONS

Our conclusions from the RI are as follows:

The source, nature and extent of impacts in the former industrial leach pools, stormwater drywells, and former stormwater drywells have been defined and delineated.

During past historical use of the facility as a circuit board manufacturer, a series of industrial leaching pool were utilized. The industrial leaching pools were subsequently cleaned out during the early 1980's, but there was limited endpoint sample data available. In addition, a series of stormwater drywells have been utilized from the onset of industrial activities at the Site and are still in use today. These stormwater drywells had the potential to receive chemical discharges.

A total of 24 former industrial leaching pools, plus one previously unknown industrial leaching pool, 10 existing stormwater drywells, plus one previously unidentified stormwater overflow drywell, and one former stormwater drywell were located during the geophysical survey. Three of the former industrial leaching pools (LP-1, LP-13, and LP-19) had not been backfilled with sand, as the remaining pools were. Soil samples were subsequently collected from within all of the structures and to a depth of 40 ft bgs and select samples submitted for laboratory analyses. Based upon analytical results from samples collected from the base of LP-1 and LP-19, it is apparent that these two structures may not have been cleaned out previously. The analytical results were compared to NYSDEC Unrestricted SCOs and Commercial SCOs. The property is proposed to be redeveloped into a retail commercial use. Therefore, the Commercial-Use SCOs are the appropriate guidance values to utilize for comparison with the soil analytical results,

VOC results in soil samples indicated concentrations below Commercial-Use SCOs. Two SVOC soil sample results (SW-4 and SW-6) were above Commercial-Use SCOs. Pesticide/herbicide/PCB analytical results were below Commercial-Use SCOs. Metal/cyanide analytical results were above Commercial-Use SCOs in 10 samples collected from eight leaching pools/drywells: LP-1, LP-1A, LP-8, LP-19, LP-20, SW-4, SW-5, and SW-6. In all cases, samples collected deeper reduced in concentrations to below or marginally above Unrestricted SCOs. These data indicate that the previous cleanouts of the former industrial leaching pools removed the vast majority of impacted material and that there are only residual amounts of impacted soil remaining. The impacted soil identified in the

stormwater water drywells SW-4, and SW-6, appeared to be limited to the first several feet of material at the base of the existing drywells. VOCs in SW-5 extends approximately six feet below the base of the drywell (drywell base is 19 ft bgs), but reduce to concentrations below the Commercial-Use SCOs. above the water table.

Backfill materials in the former industrial leaching pools were below Unrestricted SCOs in four of seven samples collected. VOCs and SVOCs results were below Unrestricted SCOs in all of the samples. Low level pesticides were detected in LP-6, slightly above Unrestricted SCOs, but well below Commercial SCOs. Metals were detected in LP-3 and LP-8 above Unrestricted SCOs, but only copper was detected in LP-8, slightly above Commercial SCO. TCLP-VOCs/metals were below regulatory standards.

The source, nature and extent of impacts in the former industrial process area have been defined and delineated.

During the operation of the circuit board manufacturer, an industrial process area was located inside the southern-central portion of the building. In addition, a waste water holding tank was located inside the building. During the RI, eight shallow soil borings were installed in the former industrial process area and one soil boring installed to 40 ft bgs at the location of the waste water holding tank.

Only one soil sample (IP-8(3'-4')) contained VOCs above Unrestricted SCOs. However, the results were well below Commercial-Use SCOs. SVOCs and pesticide/herbicide/PCB analyses were below Unrestricted SCOs. Six metal sample results were above Unrestricted SCOs, but only one sample (IP-5(0'-2')) was above Commercial-Use SCOs for copper and lead.

The source, nature and extent of impacts in other areas of concern have been defined and delineated.

Soil borings were installed in the areas of the septic system (SB-1), the former heating oil UST (SB-2) and the locations of monitoring wells. VOC, SVOC, herbicides, and PCB results were below Unrestricted SCOs. Low concentrations of a pesticide (P,P'-DDE) and were detected in MW-1(0'-2'), MW-3(0'-2'), MW(0'-2'), and MW-5(0'-2') above Unrestrictive SCO, but well below the Commercial-Use SCO. PCBs were detected in MW-5(0'-2') above the Unrestricted SCO, but below the Commercial-Use SCO. Copper was detected above Unrestricted SCO in MW-3(0'-2'), but below Commercial-Use SCO. Analytical results of the backfill material at the

location of the former heating oil UST were below Unrestrictive SCOs and below regulatory limits for TCLP-VOCs and metals.

Impacts to Site-wide groundwater quality have been sufficiently defined.

Impacts to Site-wide groundwater quality have been sufficiently defined both laterally and vertically. VOC impacts have been limited to the vicinity of MW-5S/5D, located adjacent to stormwater drywell SW-5. VOC impacts extend from approximately 30 ft bgs (water table) to 45 ft bgs. SVOCs, pesticide/herbicide/PCB results were below WQS. One or more of the following metals were detected above WQS in one or more of the seven monitoring wells: copper, iron, manganese, nickel, sodium, and thallium. Copper, iron, manganese are regulated by USEPA as Secondary Standards. The Secondary Standards are non-enforceable guidelines regulating contaminants that may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor, or color) in drinking water. There is no State or Federal standard for sodium in groundwater, but its presence in shallow groundwater is commonly associated with road salting during the winter months. Nickel and thallium concentrations were slightly above their WQS and were limited to MW-5D.

Soil vapors and indoor air.

Soil vapor sample results indicated higher VOC results in the vicinity of stormwater drywell SW-5, the industrial process area, and LP-19. Indoor air sample results were below NYSDOH guidance values for three compounds with guidance values (methylene chloride, tetrachloroethylene, and trichloroethylene). Several VOCS (1,1,1-trichloroethane, 1,1-dichloroethane, 1,2,4-trimethylbenzene, acetone, and carbon disulfide) were above EPA Baseline for commercial buildings. Indoor air quality impacts may be attributed to historic discharges. However, acetone concentrations may be attributed to the current operations (a container of acetone was observed during the chemical inventory survey). Additionally, carbon disulfide was detected in higher concentrations in the ambient air sample than the indoor air samples.

Results of qualitative exposure assessment.

A qualitative exposure assessment was conducted based upon the results of the RI and current Site conditions, as outlined in **Section 6.** Exposure to impacted soil and groundwater at the Site is unlikely based on the depth and location of impacts beneath pavement and/or the Site building. Additionally, the site is serviced by municipal water. Future exposure to impacted soil and groundwater is anticipated to remain unlikely as future

use of the Site will be restricted to commercial and/or industrial use and continue to be serviced by municipal. However, impacts to indoor air from volatilization of COCs are likely based on soil vapor and indoor air analytical data. Remedial actions to mitigate potential exposure form the vapor intrusion pathway are discussed in the subsequent section.

The Results of the RI are Sufficient to Prepare a Remedial Action Work Plan.

A Remedial Action Work Plan (RAWP) will be prepared based the results of RI and information gathered from the qualitative exposure assessment in order to select and implement an effective remedy to address on-site contamination and to mitigate and/or prevent off-site contaminant migration in accordance with the BCP objectives. The RAWP will include the identification of remedial alternatives designed to mitigate soil, soil vapor and groundwater impacts and to limit potential exposure to human receptors and the environment. The remedial/mitigating measures that will be considered for this site will take into account the planned future use of the property as a commercial/retail operation and will therefore utilize Commercial SCOs, the NYSDEC TOGS 1.1.1 Class GA standards and guidance values and the provisions of the Brownfield Cleanup Act for Applicants, as the benchmark.

The following remedial actions will be considered upon completion of an Alternatives Analyses;

Contaminant Source Removal

- Cleanout and closure of existing stormwater drywells and remaining leach pools which were not previously closed.
- Shallow soil excavation in the vicinity of the former industrial process area.
- Potential excavation of impacted soil if found during demolition/redevelopment.

Contaminant Reduction/Mitigation

- Potential in-situ treatment and/or monitoring of VOCs, SVOCs and metals in groundwater.

Engineering Controls - Exposure Pathway Elimination

- Vapor barrier installation and/or monitoring beneath the planned building slab.

- Potential venting of shallow sub-slab vapors in the former industrial process area.

- Incorporate impervious/paved structures over former industrial processing areas as part of the planned Site development coupled with appropriate storm water management.

Site Maintenance and Monitoring

REFERENCES

Environmental Data Resources, Inc, April 2011, "The EDR Aerial Photo Decade Package."

Environmental Data Resources, Inc, April 2011, "The EDR-City Directory Abstract."

Environmental Resource Management (ERM), January 2007, "Site Characterization Report – Candlewood Road Site, Bay Shore, Town of Islip, Suffolk County, New York, NYSDEC Site No. 1-52-176, NYSDEC Work Assignment No. D003970-26."

EPhase2, LLC, May 2015, "Geophysical Survey First Hartford, 1760 North Fifth Avenue, Bay Shore, New York."

NYSDEC, June 1998/Addendum 2000, "Division of Water Technical and Operational Guidance Series 1.1.1 – Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations."

NYSDEC, December 2006, "6NYCRR Part 375 – Environmental Remediation Programs, Subparts 375-1 to 375-4 & 375-6."

NYSDEC, May 2010, "DER-10: Technical Guidance for Site Investigations and Remediation."

NYSDEC, October 2010, "CP-51 – Soil Cleanup Guidance."

NYSDOH, October 2006, "Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York."

Ransom Environmental Consultants, Inc., July 2011, "Phase I Environmental Site Assessment – Proposed CVS Pharmacy/Store No. 2318, 1760 Fifth Avenue, Bay Shore, New York."

Ransom Environmental Consultants, Inc., August 2011, "Phase II Limited Subsurface Investigation - Proposed CVS Pharmacy/Store No. 2318, 1760 Fifth Avenue, Bay Shore, New York."

S2C2 Inc., June 2015, "High-Resolution Subsurface Characterization of Chlorinated Solvents Using a Combination Membrane Interface – Hydraulic Profiling Tool."

Roux Associates Inc., May 2014, "Remedial Investigation Work Plan – South Shore Outdoor, 1760 Fifth Avenue, Bay Shore, New York 11706."

Roux Associates Inc., December 2014, "remedial Investigation Work Plan – South Shore Outdoor Site, NYSDEC No. C152228," Response Letter to NYSDEC.

USGS, 1979, "Greenlawn USGS 7.5 min Topographical Quadrangle."

USGS, 1989, "Hydrogeologic Framework of Long Island," by D.A Smolensky, H.T. Buxton, and P.K. Shernoff.

USGS, 1987, "Hydrogeology and Groundwater Quality of the Northern Part of Oyster Bay, Nasssau County, New York in 1980." by C. Kilburan and R. Kralikas.

TABLES

Table 4-1
Summary of Survey Data
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, New York

SAMPLE ID	Northing	Easting	Elevation	Comments
IP-1	220119.82	1188814.92	76.65	Former industrial process area.
IP-2	220131.25	1188776.61	76.66	Former industrial process area.
IP-3	220142.41	1188780.06	76.60	Former industrial process area.
IP-4	220130.56	1188830.00	76.63	Former industrial process area.
IP-5	220131.01	1188800.40	76.64	Former industrial process area. Same location as SS-1.
SS-1	220131.01	1188800.40	76.64	Sub-slab vapor point. Same location as IP-5.
IP-6	220145.10	1188752.97	84.45	Former industrial process area. Same location as SS-2.
SS-2	220145.10	1188752.97	84.45	Sub-slab vapor point. Same location as IP-6.
IP-7	220153.95	1188773.66	76.68	Former industrial process area.
IP-8	220154.83	1188824.14	76.62	Former industrial process area.
LP-1	220107.07	1188770.24	76.07	Former industrial leaching pool.
LP-1A	220104.07	1188789.61	76.14	Former industrial leaching pool.
LP-2	220063.28	1188804.49	75.78	Former industrial leaching pool.
LP-3	220078.04	1188783.53	76.21	Former industrial leaching pool.
LP-4	220087.07	1188763.84	76.22	Former industrial leaching pool.
LP-5	220082.75	1188731.18	76.38	Former industrial leaching pool.
LP-6	220118.70	1188733.19	75.93	Former industrial leaching pool.
LP-7	220113.23	1188749.61	75.90	Former industrial leaching pool.
LP-8	220129.40	1188655.12	76.99	Former industrial leaching pool.
LP-9	220117.03	1188659.89	77.21	Former industrial leaching pool.
LP-10	220168.27	1188664.07	82.06	Former industrial leaching pool.
LP-11	220204.25	1188650.55	75.32	Former industrial leaching pool.
LP-12	220202.56	1188715.80	76.60	Former industrial leaching pool.
LP-13	220287.25	1188677.07	74.93	Former industrial leaching pool.
LP-14	220298.41	1188709.77	76.61	Former industrial leaching pool.
LP-14-BORING	220305.81	1188704.98	75.36	Soil boring located outside structure.
LP-15	220125.03	1188638.67	77.68	Former industrial leaching pool.
LP-16	220139.26	1188639.45	77.22	Former industrial leaching pool.
LP-17	220161.71	1188699.69	76.60	Former industrial leaching pool.
LP-18	220177.58	1188706.10	76.61	Former industrial leaching pool.
LP-19	220192.42	1188676.64	82.09	Former industrial leaching pool.
LP-20	220278.28	1188724.34	76.63	Former industrial leaching pool.
LP-21	220233.28	1188652.15	76.01	Former industrial leaching pool.
LP-22	220175.68	1188636.67	76.20	Former industrial leaching pool.
LP-25	220302.23	1188771.13	75.14	Former industrial leaching pool.
LP-26	220316.04	1188682.35	75.35	Former industrial leaching pool.
MW-1D	220045.46	1188851.69	75.22	
GWP-1	220046.47	1188852.26	75.15	Same location as MW-1S.
MW-1S	220046.47	1188852.26	75.15	Same location as GWP-1.
GWP-2	220119.98	1188617.82	78.57	Same location as MW-2.
MW-2	220119.98	1188617.82	78.57	Same location as GWP-2.

Table 4-1
Summary of Survey Data
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, New York

SAMPLE ID	Northing	Easting	Elevation	Comments
GWP-3	220327.88	1188678.43	75.68	Same location as MW-3.
MW-3	220327.88	1188678.43	75.68	Same location as GWP-3.
GWP-4	220292.37	1188917.08	76.07	Same location as soil boring MW-4.
MW-4	220292.37	1188917.08	76.07	Same location as GWP-4. Soil boring only, well not installed.
MW-5D	220099.76	1188742.75	75.76	
GWP-5	220098.65	1188743.47	75.76	Same location as MW-5S.
MW-5S	220098.65	1188743.47	75.76	Same location as GWP-5.
GWP-6	220129.99	1188910.60	74.97	Same location as SB-1/MW-6.
MW-6	220129.99	1188910.60	74.97	Same location as SB-1/GWP-6.
SB-1	220129.99	1188910.60	74.97	Same location as GWP-6/MW-6.
SB-2	220088.70	1188811.11	75.71	Former heating oil UST location.
SB-3	220214.73	1188701.87	76.64	Former stormwater drywell DW-24 location.
SB-4	220227.09	1188756.35	76.58	Former waste water holding tank location.
SS-3	220198.91	1188690.83	76.64	Sub-slab vapor point.
SS-4	220243.93	1188714.01	76.64	Sub-slab vapor point.
SS-5	220265.42	1188756.49	76.63	Sub-slab vapor point.
SS-6	220246.81	1188863.96	76.64	Sub-slab vapor point.
SS-7	220226.83	1188797.63	76.64	Sub-slab vapor point.
SS-8	220154.07	1188826.90	76.63	Sub-slab vapor point.
SV-1	220040.18	1188850.77	75.54	Soil vapor point.
SV-2	220120.67	1188614.15	78.89	Soil vapor point.
SV-3	220327.40	1188684.06	75.79	Soil vapor point.
SV-4	220293.15	1188919.31	76.11	Soil vapor point.
SV-5	220117.82	1188742.57	76.05	Soil vapor point.
SV-6	220299.63	1188788.72	75.35	Soil vapor point.
SV-7	220130.19	1188908.03	75.27	Soil vapor point.
DW-21A	220154.63	1188642.34	76.49	Stormwater overflow drywell.
SW-1	220074.60	1188840.01	74.29	Stormwater drywell.
SW-2	220127.06	1188678.91	75.29	Stormwater drywell.
SW-3	220194.44	1188642.36	74.83	Stormwater drywell.
SW-4	220281.16	1188668.29	74.30	Stormwater drywell.
SW-5	220106.15	1188736.32	75.61	Stormwater drywell.
SW-6	220311.09	1188688.31	74.97	Stormwater drywell.
SW-7	220305.82	1188740.35	74.13	Stormwater drywell.
SW-8	220253.66	1188898.09	75.65	Stormwater drywell.
SW-9	220309.13	1188921.77	75.73	Stormwater drywell.
SW-10	220261.39	1188667.61	75.14	Stormwater overflow drywell.

Notes:
Source: Hawkins Webb Jaeger
Horizontal datun is NAD 83 NYS, LI Zone in US Feet
Vertical datum is NAVD 88 in US Feet

Table 5-1
Summary of Well Gauging Data
August 18, 2015
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, New York

Well ID	TOC Elevation (Ft.)	DTW (Ft.)	DTB (Ft.)	WTE (Ft.)
MW-1S	75.15	30.58	37.85	44.57
MW-1D	75.22	30.66	44.03	44.56
MW-2	78.57	33.82	44.25	44.75
MW-3	75.68	30.81	43.80	44.87
MW-5S	75.76	31.11	37.20	44.65
MW-5D	75.76	31.09	43.20	44.67
MW-6	74.97	30.30	37.55	44.67

Note: MW-4 was not installed.

Table 5-2
Summary of Soil Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

						Location Name	DW-21A	DW-21A	DW-21A	IP-01	IP-01	IP-02	IP-02	IP-03	IP-03	IP-04	IP-04	IP-05	IP-05	IP-06	IP-06
						Sample Name	DW-21A (12-14)	DW-21A (20-22)	DW-21A (28-30)	IP-1 (0-2)	IP-1 (2-4)	IP-2 (0-2)	IP-2 (6-8)	IP-3 (0-2)	IP-3 (4-8)	IP-4 (0-2)	IP-4 (6-8)	IP-5 (0-2)	IP-5 (4-8)	2015-07-15-DUP	IP-6 (0-2)
						Sample Date	7/9/2015	7/9/2015	7/9/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015
						Parent Sample														IP-6 (0-2)-5071603	
Analyte	**Result Type**	**Units**	**CAS No.**	**Unrestricted SCO**	**Commercial SCO**																
SSO_VOC		ug/kg																			
1,1,1-Trichloroethane	TRG		71-55-6	680	500000		1.7 U	1.9 U	1.8 U	1.8 U	**2.6**	**8**	1.9 U	**9.2**	**8**	**2.5**	1.8 U	**22**	**22**	**32**	**44**
1,1,2,2-Tetrachloroethane	TRG		79-34-5	NE	NE		1.7 U	1.9 U	1.8 U	1.8 U	1.6 U	1.8 U	1.9 U	1.7 U	1.9 U	1.7 U	1.8 U	1.8 U	1.9 U	1.6 U	1.7 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	TRG		76-13-1	NE	NE		1.7 U	1.9 U	1.8 U	1.8 U	1.6 U	1.8 U	1.9 U	1.7 U	1.9 U	1.7 U	1.8 U	1.8 U	1.9 U	1.6 U	1.7 U
1,1,2-Trichloroethane	TRG		79-00-5	NE	NE		1.7 U	1.9 U	1.8 U	1.8 U	1.6 U	1.8 U	1.9 U	1.7 U	1.9 U	1.7 U	1.8 U	**1.8**	1.9 U	1.6 U	1.7 U
1,1-Dichloroethane	TRG		75-34-3	270	240000		1.7 U	1.9 U	1.8 U	1.8 U	1.6 U	1.8 U	1.9 U	1.7 U	1.9 U	1.7 U	1.8 U	1.8 U	1.9 U	1.6 U	1.7 U
1,1-Dichloroethene	TRG		75-35-4	330	500000		1.7 U	1.9 U	1.8 U	1.8 U	1.6 U	1.8 U	1.9 U	1.7 U	1.9 U	1.7 U	1.8 U	1.8 U	1.9 U	1.6 U	1.7 U
1,2,3-Trichlorobenzene	TRG		87-61-6	NE	NE		1.7 U	1.9 U	1.8 U	1.8 U	1.6 U	1.8 U	1.9 U	1.7 U	1.9 U	1.7 U	1.8 U	1.8 U	1.9 U	1.6 U	1.7 U
1,2,4-Trichlorobenzene	TRG		120-82-1	NE	NE		1.7 U	1.9 U	1.8 U	1.8 U	1.6 U	1.8 U	1.9 U	1.7 U	1.9 U	1.7 U	1.8 U	1.8 U	1.9 U	1.6 U	1.7 U
1,2-Dibromo-3-Chloropropane	TRG		96-12-8	NE	NE		1.7 U	1.9 U	1.8 U	1.8 U	1.6 U	1.8 U	1.9 U	1.7 U	1.9 U	1.7 U	1.8 U	1.8 U	1.9 U	1.6 U	1.7 U
1,2-Dibromoethane (Ethylene Dibromide)	TRG		106-93-4	NE	NE		1.7 U	1.9 U	1.8 U	1.8 U	1.6 U	1.8 U	1.9 U	1.7 U	1.9 U	1.7 U	1.8 U	1.8 U	1.9 U	1.6 U	1.7 U
1,2-Dichlorobenzene	TRG		95-50-1	1100	500000		1.7 U	1.9 U	1.8 U	1.8 U	1.6 U	1.8 U	1.9 U	1.7 U	1.9 U	1.7 U	1.8 U	1.8 U	1.9 U	1.6 U	1.7 U
1,2-Dichloroethane	TRG		107-06-2	20	30000		1.7 U	1.9 U	1.8 U	1.8 U	1.6 U	1.8 U	1.9 U	1.7 U	1.9 U	1.7 U	1.8 U	1.8 U	1.9 U	1.6 U	1.7 U
1,2-Dichloropropane	TRG		78-87-5	NE	NE		1.7 U	1.9 U	1.8 U	1.8 U	1.6 U	1.8 U	1.9 U	1.7 U	1.9 U	1.7 U	1.8 U	1.8 U	1.9 U	1.6 U	1.7 U
1,3-Dichlorobenzene	TRG		541-73-1	2400	280000		1.7 U	1.9 U	1.8 U	1.8 U	1.6 U	1.8 U	1.9 U	1.7 U	1.9 U	1.7 U	1.8 U	1.8 U	1.9 U	1.6 U	1.7 U
1,4-Dichlorobenzene	TRG		106-46-7	1800	130000		1.7 U	1.9 U	1.8 U	1.8 U	1.6 U	1.8 U	1.9 U	1.7 U	1.9 U	1.7 U	1.8 U	1.8 U	1.9 U	1.6 U	1.7 U
1,4-Dioxane (P-Dioxane)	TRG		123-91-1	100	130000		86 R	97 R	91 R	90 U	82 U	88 U	95 U	87 U	93 U	87 U	91 U	88 U	95 U	81 U	86 U
2-Hexanone	TRG		591-78-6	NE	NE		1.7 U	1.9 U	1.8 U	1.8 U	1.6 U	1.8 U	1.9 U	1.7 U	1.9 U	1.7 U	1.8 U	1.8 U	1.9 U	1.6 U	1.7 U
Acetone	TRG		67-64-1	50	500000		8.6 U	33 U	27 U	9 U	18 U	44 U	9.5 U	68 U	86 U	73 U	9.1 U	66 U	130 U	42 U	54 U
Benzene	TRG		71-43-2	60	44000		0.86 U	0.97 U	0.91 U	0.9 U	0.82 U	0.88 U	0.95 U	0.87 U	0.93 U	0.87 U	0.91 U	0.88 U	0.95 U	0.81 U	0.86 U
Bromochloromethane	TRG		74-97-5	NE	NE		1.7 U	1.9 U	1.8 U	1.8 U	1.6 U	1.8 U	1.9 U	1.7 U	1.9 U	1.7 U	1.8 U	1.8 U	1.9 U	1.6 U	1.7 U
Bromodichloromethane	TRG		75-27-4	NE	NE		1.7 U	1.9 U	1.8 U	1.8 U	1.6 U	1.8 U	1.9 U	1.7 U	1.9 U	1.7 U	1.8 U	1.8 U	1.9 U	1.6 U	1.7 U
Bromoform	TRG		75-25-2	NE	NE		1.7 U	1.9 U	1.8 U	1.8 U	1.6 U	1.8 U	1.9 U	1.7 U	1.9 U	1.7 U	1.8 U	1.8 U	1.9 U	1.6 U	1.7 U
Bromomethane	TRG		74-83-9	NE	NE		1.7 U	1.9 U	1.8 U	1.8 U	1.6 U	1.8 U	1.9 U	1.7 U	1.9 U	1.7 U	1.8 U	1.8 U	1.9 U	1.6 U	1.7 U
Carbon Disulfide	TRG		75-15-0	NE	NE		1.7 U	1.9 U	1.8 U	1.8 U	1.6 U	1.8 U	1.9 U	1.7 U	1.9 U	1.7 U	1.8 U	1.8 U	1.9 U	1.6 U	1.7 U
Carbon Tetrachloride	TRG		56-23-5	760	22000		1.7 U	1.9 U	1.8 U	1.8 U	1.6 U	1.8 U	1.9 U	1.7 U	1.9 U	1.7 U	1.8 U	1.8 U	1.9 U	1.6 U	1.7 U
Chlorobenzene	TRG		108-90-7	1100	500000		1.7 U	1.9 U	1.8 U	1.8 U	1.6 U	1.8 U	1.9 U	1.7 U	1.9 U	1.7 U	1.8 U	1.8 U	1.9 U	1.6 U	1.7 U
Chloroethane	TRG		75-00-3	NE	NE		1.7 U	1.9 U	1.8 U	1.8 U	1.6 U	1.8 U	1.9 U	1.7 U	1.9 U	1.7 U	1.8 U	1.8 U	1.9 U	1.6 U	1.7 U
Chloroform	TRG		67-66-3	370	350000		1.7 U	1.9 U	1.8 U	1.8 U	1.6 U	1.8 U	1.9 U	1.7 U	1.9 U	1.7 U	1.8 U	1.8 U	1.9 U	1.6 U	1.7 U
Chloromethane	TRG		74-87-3	NE	NE		1.7 U	1.9 U	1.8 U	1.8 U	1.6 U	1.8 U	1.9 U	1.7 U	1.9 U	1.7 U	1.8 U	1.8 U	1.9 U	1.6 U	1.7 U
Cis-1,2-Dichloroethylene	TRG		156-59-2	250	500000		1.7 U	1.9 U	1.8 U	1.8 U	1.6 U	1.8 U	1.9 U	1.7 U	1.9 U	1.7 U	1.8 U	1.8 U	1.9 U	1.6 U	1.7 U
Cis-1,3-Dichloropropene	TRG		10061-01-5	NE	NE		1.7 U	1.9 U	1.8 U	1.8 U	1.6 U	1.8 U	1.9 U	1.7 U	1.9 U	1.7 U	1.8 U	1.8 U	1.9 U	1.6 U	1.7 U
Cyclohexane	TRG		110-82-7	NE	NE		1.7 U	1.9 U	1.8 U	1.8 U	1.6 U	1.8 U	1.9 U	1.7 U	1.9 U	1.7 U	1.8 U	1.8 U	1.9 U	1.6 U	1.7 U
Dibromochloromethane	TRG		124-48-1	NE	NE		1.7 U	1.9 U	1.8 U	1.8 U	1.6 U	1.8 U	1.9 U	1.7 U	1.9 U	1.7 U	1.8 U	1.8 U	1.9 U	1.6 U	1.7 U
Dichlorodifluoromethane	TRG		75-71-8	NE	NE		1.7 U	1.9 U	1.8 U	1.8 UJ	1.6 UJ	1.8 UJ	1.9 UJ	1.7 UJ	1.9 UJ	1.7 UJ	1.8 UJ	1.8 UJ	1.9 UJ	1.6 UJ	1.7 UJ
Ethylbenzene	TRG		100-41-4	1000	390000		0.86 U	0.97 U	0.91 U	0.9 U	0.82 U	0.88 U	0.95 U	0.87 U	0.93 U	0.87 U	0.91 U	0.88 U	0.95 U	0.81 U	0.86 U
Isopropylbenzene (Cumene)	TRG		98-82-8	NE	NE		0.86 U	0.97 U	0.91 U	0.9 U	0.82 U	0.88 U	0.95 U	0.87 U	0.93 U	0.87 U	0.91 U	0.88 U	0.95 U	0.81 U	0.86 U
Methyl Acetate	TRG		79-20-9	NE	NE		1.7 U	1.9 U	1.8 U	1.8 U	1.6 U	1.8 U	1.9 U	1.7 U	1.9 U	1.7 U	1.8 U	1.8 U	1.9 U	1.6 U	1.7 U
Methyl Ethyl Ketone (2-Butanone)	TRG		78-93-3	120	500000		1.7 U	1.9 U	1.8 U	1.8 U	1.6 U	1.8 U	1.9 U	1.7 U	1.9 U	1.7 U	1.8 U	1.8 U	1.9 U	1.6 U	1.7 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	TRG		108-10-1	NE	NE		1.7 U	1.9 U	1.8 U	1.8 U	1.6 U	1.8 U	1.9 U	1.7 U	1.9 U	1.7 U	1.8 U	1.8 U	1.9 U	1.6 U	1.7 U
Methylcyclohexane	TRG		108-87-2	NE	NE		1.7 U	1.9 U	1.8 U	1.8 U	1.6 U	1.8 U	1.9 U	1.7 U	1.9 U	1.7 U	1.8 U	1.8 U	1.9 U	1.6 U	1.7 U
Methylene Chloride	TRG		75-09-2	50	500000		2.2 U	24 U	14 U	7 U	7.3 U	7.5 U	9.1 U	7.3 U	74 U	8.7 U	8.7 U	68 U	70 U	65 U	70 U
M-P-Xylene	TRG		136777-61-2	NE	NE		0.86 U	0.97 U	0.91 U	0.9 U	0.82 U	0.88 U	0.95 U	0.87 U	0.93 U	0.87 U	0.91 U	0.88 U	0.95 U	0.81 U	0.86 U
O-Xylene (1,2-Dimethylbenzene)	TRG		95-47-6	260	500000		0.86 U	0.97 U	0.91 U	0.9 U	0.82 U	0.88 U	0.95 U	0.87 U	0.93 U	0.87 U	0.91 U	0.88 U	0.95 U	0.81 U	0.86 U
Styrene	TRG		100-42-5	NE	NE		1.7 U	1.9 U	1.8 U	1.8 U	1.6 U	1.8 U	1.9 U	1.7 U	1.9 U	1.7 U	1.8 U	1.8 U	1.9 U	1.6 U	1.7 U
Tert-Butyl Methyl Ether	TRG		1634-04-4	930	500000		0.86 U	0.97 U	0.91 U	0.9 U	0.82 U	0.88 U	0.95 U	0.87 U	0.93 U	0.87 U	0.91 U	0.88 U	0.95 U	0.81 U	0.86 U
Tetrachloroethylene (PCE)	TRG		127-18-4	1300	150000		1.7 U	1.9 U	1.8 U	1.8 U	1.6 U	1.8 U	1.9 U	1.7 U	1.9 U	1.7 U	1.8 U	1.8 U	1.9 U	1.6 U	1.7 U
Toluene	TRG		108-88-3	700	500000		0.86 U	0.97 U	0.91 U	0.9 U	0.82 U	0.88 U	0.95 U	0.87 U	0.93 U	0.87 U	0.91 U	0.88 U	0.95 U	0.81 U	0.86 U
Trans-1,2-Dichloroethene	TRG		156-60-5	190	500000		1.7 U	1.9 U	1.8 U	1.8 U	1.6 U	1.8 U	1.9 U	1.7 U	1.9 U	1.7 U	1.8 U	1.8 U	1.9 U	1.6 U	1.7 U
Trans-1,3-Dichloropropene	TRG		10061-02-6	NE	NE		1.7 U	1.9 U	1.8 U	1.8 U	1.6 U	1.8 U	1.9 U	1.7 U	1.9 U	1.7 U	1.8 U	1.8 U	1.9 U	1.6 U	1.7 U
Trichloroethylene (TCE)	TRG		79-01-6	470	200000		1.7 U	1.9 U	1.8 U	**2**	**7.2**	**14**	1.9 U	**23**	**21**	**13**	1.8 U	**35**	**15**	**4.2**	**6.4**
Trichlorofluoromethane	TRG		75-69-4	NE	NE		1.7 U	1.9 U	1.8 U	1.8 U	1.6 U	1.8 U	1.9 U	1.7 U	1.9 U	1.7 U	1.8 U	1.8 U	1.9 U	1.6 U	1.7 U
Vinyl Chloride	TRG		75-01-4	20	13000		1.7 U	1.9 U	1.8 U	1.8 U	1.6 U	1.8 U	1.9 U	1.7 U	1.9 U	1.7 U	1.8 U	1.8 U	1.9 U	1.6 U	1.7 U
Xylenes	TRG		1330-20-7	260	500000		0.86 U	0.97 U	0.91 U	0.9 U	0.82 U	0.88 U	0.95 U	0.87 U	0.93 U	0.87 U	0.91 U	0.88 U	0.95 U	0.81 U	0.86 U
Total VOCs	TRG		TVOC	NE	NE		0	0	0	**2**	**9.8**	**22**	0	**32.2**	**29**	**15.5**	0	**58.8**	**37**	**36.2**	**50.4**

Table 5-2
Summary of Soil Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

Location Name						DW-21A	DW-21A	DW-21A	IP-01	IP-01	IP-02	IP-02	IP-03	IP-03	IP-04	IP-04	IP-05	IP-05	IP-06	IP-06
Sample Name						DW-21A (12-14)	DW-21A (20-22)	DW-21A (28-30)	IP-1 (0-2)	IP-1 (2-4)	IP-2 (0-2)	IP-2 (6-8)	IP-3 (0-2)	IP-3 (4-8)	IP-4 (0-2)	IP-4 (6-8)	IP-5 (0-2)	IP-5 (4-8)	2015-07-15-DUP	IP-6 (0-2)
Sample Date						7/9/2015	7/9/2015	7/9/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015
Parent Sample																			IP-6 (0-2)-5071603	
Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO															
(Cyclopentylmethyl)Cyclohexane	TIC		4431-89-4	NE	NE															
1,1,4,4-Tetramethyl-2,3,4,5,6,7-hexahyd	TIC		85329-77-7	NE	NE															
1,1'-Bicycloheptyl	TIC		23183-11-1	NE	NE															
1,2,3,4-Tetrahydro-2,7-Dimethyl Naphthalene	TIC		13065-07-1	NE	NE															
1,2,3-Trimethyl Benzene	TIC		526-73-8	NE	NE															
1,2,4,5-Tetramethylbenzene	TIC		95-93-2	NE	NE												**12 J**			
1,2,4-Trimethylbenzene	TIC		95-63-6	3600	190000															
1,3,5-Trimethylbenzene (Mesitylene)	TIC		108-67-8	8400	190000															
1,3,6-Octatriene, 3,7-dimethyl-, (Z)-	TIC		3338-55-4	NE	NE															
1,3,7-OCTATRIENE, 3,7-DIMETHYL-	TIC		502-99-8	NE	NE															
1,3-Diethyl Benzene	TIC		141-93-5	NE	NE															
1,3-Diethyl-5-Methylbenzene	TIC		2050-24-0	NE	NE												**11 J**			
1,3-Pentadiene, (Z)-	TIC		504-60-9	NE	NE															
1,4-Diethyl Benzene	TIC		105-05-5	NE	NE												**8.6 J**			
1-Decanol, 2-ethyl-	TIC		21078-65-9	NE	NE															
1-Ethyl-2,3-Dimethylbenzene	TIC		933-98-2	NE	NE												**8.1 J**			
1H-Indene, 2,3-Dihydro-4,7-Dimethyl-	TIC		6682-71-9	NE	NE															
1-Methylnaphthalene	TIC		90-12-0	NE	NE															
1-Octanol, 2-butyl-	TIC		2/8/3913	NE	NE															
1-Pentene	TIC		109-67-1	NE	NE															
2,2,5-Trimethyl Hexane	TIC		3522-94-9	NE	NE															
2,2-Dimethylbutane	TIC		75-83-2	NE	NE															
2,3,6-Trimethyl Octane	TIC		62016-33-5	NE	NE															
2,5-Dimethylundecane	TIC		17301-22-3	NE	NE															
2,6-Dimethyl Octane	TIC		2051-30-1	NE	NE															
2,6-Dimethylundecane	TIC		17301-23-4	NE	NE															
2,7,10-Trimethyl Dodecane	TIC		74645-98-0	NE	NE															
2-Ethyl-1,4-Dimethyl Benzene	TIC		1758-88-9	NE	NE												**9.2 J**			
2-Ethylhexyl Aldehyde	TIC		123-05-7	NE	NE															
2-Heptanone	TIC		110-43-0	NE	NE															
2-Methyl Nonane	TIC		871-83-0	NE	NE															
2-Methyl-1,3-Butadiene (Isoprene)	TIC		78-79-5	NE	NE															
3-Carene	TIC		13466-78-9	NE	NE															
3-Ethyl-2-Methyl-Heptane	TIC		14676-29-0	NE	NE															
3-Methyl Decane	TIC		13151-34-3	NE	NE															
4-(2,6,6-Trimethyl-1-Cyclohexen-1-Yl)-3-Buten-2-One	TIC		14901-07-6	NE	NE															
4-Ethyltoluene	TIC		622-96-8	NE	NE															
4-Methyl Decane	TIC		2847-72-5	NE	NE															
4-Methyl Dodecane	TIC		6117-97-1	NE	NE															
4-Methyl-Nonane	TIC		17301-94-9	NE	NE															
5-Octadecene, (E)-	TIC		7206-21-5	NE	NE															
5-Octadecyne	TIC		71899-42-8	NE	NE															
6-Methylpentadecane	TIC		10105-38-1	NE	NE															
6-Methyltetralin	TIC		1680-51-9	NE	NE															
Benzene, 1,3,5-tris(1-methylethyl)-	TIC		717-74-8	NE	NE															
Bornylene	TIC		464-17-5	NE	NE															
Camphene	TIC		79-92-5	NE	NE															
Cyclohexane, 1-methyl-4-(1-methylethyl)	TIC		6069-98-3	NE	NE															
Cyclopentane	TIC		287-92-3	NE	NE															
Cyclopentane, (1-methylbutyl)-	TIC		4737-43-3	NE	NE															
Cyclopentane, 1,2-dimethyl-3-(1-methyle	TIC		489-20-3	NE	NE															
Decahydro Naphthalene	TIC		91-17-8	NE	NE															
Decane, 5-ethyl-5-methyl-	TIC		17312-74-2	NE	NE															
Diethyl Ether (Ethyl Ether)	TIC		60-29-7	NE	NE															**7.7 J**
Dodecane, 4,6-Dimethyl-	TIC		61141-72-8	NE	NE															
ENDOISOCAMPHANE	TIC		20536-40-7	NE	NE															
Isobutyraldehyde	TIC		78-84-2	NE	NE															
Isopropylbenzene	TIC		00098-82-8	NE	NE															
Limonene	TIC		138-86-3	NE	NE															
M-Cymene	TIC		535-77-3	NE	NE												**13 J**			
Naphthalene	TIC		91-20-3	12000	500000												**9 J**			
N-Butyl Acetate	TIC		123-86-4	NE	NE															

Table 5-2
Summary of Soil Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	DW-21A	DW-21A	DW-21A	IP-01	IP-01	IP-02	IP-02	IP-03	IP-03	IP-04	IP-04	IP-05	IP-05	IP-06	IP-06
					Sample Name	DW-21A (12-14)	DW-21A (20-22)	DW-21A (28-30)	IP-1 (0-2)	IP-1 (2-4)	IP-2 (0-2)	IP-2 (6-8)	IP-3 (0-2)	IP-3 (4-8)	IP-4 (0-2)	IP-4 (6-8)	IP-5 (0-2)	IP-5 (4-8)	2015-07-15-DUP	IP-6 (0-2)
					Sample Date	7/9/2015	7/9/2015	7/9/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015
					Parent Sample														IP-6 (0-2)-5071603	
Analyte	**Result Type**	**Units**	**CAS No.**	**Unrestricted SCO**	**Commercial SCO**															
N-Decane	TIC		124-18-5	NE	NE															
N-Hexane	TIC		110-54-3	NE	NE									**2.9 J**						**2.6 J**
N-Nonane	TIC		111-84-2	NE	NE															
N-Octane	TIC		111-65-9	NE	NE															
N-Propylbenzene	TIC		103-65-1	3900	500000															
N-Undecane	TIC		1120-21-4	NE	NE															
Octamethylcyclotetrasiloxane	TIC		556-67-2	NE	NE															
Squalane	TIC		111-01-3	NE	NE															
Trans-Decahydro-Naphthalene	TIC		493-02-7	NE	NE															
Tricyclo[4.3.1.1(3,8)]undecane-1-carbox	TIC		31083-60-0	NE	NE															
Unknown With 1st Highest Conc.	TIC		UNKNOWN1	NE	NE												**8.3 J**			
Unknown With 2nd Highest Conc.	TIC		UNKNOWN2	NE	NE												**8.4 J**			
Unknown With 3rd Highest Conc.	TIC		UNKNOWN3	NE	NE												**8.6 J**			
Unknown With 4th Highest Conc.	TIC		UNKNOWN4	NE	NE															
Unknown With 5th Highest Conc.	TIC		UNKNOWN5	NE	NE															
Unknown With 6th Highest Conc.	TIC		UNKNOWN6	NE	NE															

Table 5-2
Summary of Soil Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

Location Name						IP-06	IP-07	IP-07	IP-08	IP-08	IP-08	LP-01	LP-01	LP-01	LP-01	LP-01A	LP-01A	LP-01A	LP-01A
Sample Name						IP-6 (4-6)	IP-7 (0-2)	IP-7 (6-8)	2015_07_07 DUP	IP-8 (0-2)	IP-8 (3-4)	LP-1 (17'-18')	LP-1 (20'-22')	LP-1 (30'-32')	LP-1 (38'-40')	LP-1A (15'-17')	LP-1A (20'-22')	LP-1A (28'-30')	LP-1A (38'-40')
Sample Date						7/15/2015	7/15/2015	7/15/2015	7/7/2015	7/7/2015	7/7/2015	6/25/2015	6/24/2015	6/24/2015	6/24/2015	6/26/2015	6/26/2015	6/26/2015	6/26/2015
Parent Sample									IP-8 (0-2)-5070806										
Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO														
SSO_VOC		ug/kg																	
1,1,1-Trichloroethane	TRG		71-55-6	680	500000	**18**	**7.2**	1.8 U	2.1 U	2.1 U	**930**	**450**	**5.4**	**52**	1.9 U	**5900**	**3.4**	**16**	1.7 U
1,1,2,2-Tetrachloroethane	TRG		79-34-5	NE	NE	2 U	1.9 U	1.8 U	2.1 U	2.1 U	150 U	4 U	2.4 U	1.9 U	1.9 U	110 U	1.7 U	1.8 U	1.7 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	TRG		76-13-1	NE	NE	2 U	1.9 U	1.8 U	2.1 U	2.1 U	150 U	4 U	2.4 U	1.9 U	1.9 U	110 U	1.7 U	1.8 U	1.7 U
1,1,2-Trichloroethane	TRG		79-00-5	NE	NE	2 U	1.9 U	1.8 U	2.1 U	2.1 U	150 U	4 U	2.4 U	1.9 U	1.9 U	110 U	1.7 U	1.8 U	1.7 U
1,1-Dichloroethane	TRG		75-34-3	270	240000	2 U	1.9 U	1.8 U	2.1 U	2.1 U	150 U	**15**	2.4 U	**7.7**	1.9 U	110 U	1.7 U	1.8 U	1.7 U
1,1-Dichloroethene	TRG		75-35-4	330	500000	2 U	1.9 U	1.8 U	2.1 U	2.1 U	150 U	4 U	2.4 U	1.9 U	1.9 U	110 U	1.7 U	1.8 U	1.7 U
1,2,3-Trichlorobenzene	TRG		87-61-6	NE	NE	2 U	1.9 U	1.8 U	2.1 U	2.1 U	150 U	4 U	2.4 UJ	1.9 U	1.9 U	110 U	1.7 U	1.8 U	1.7 U
1,2,4-Trichlorobenzene	TRG		120-82-1	NE	NE	2 U	1.9 U	1.8 U	2.1 U	2.1 U	150 U	4 U	2.4 UJ	1.9 U	1.9 U	110 U	1.7 U	1.8 U	1.7 U
1,2-Dibromo-3-Chloropropane	TRG		96-12-8	NE	NE	2 U	1.9 U	1.8 U	2.1 U	2.1 U	150 U	4 U	2.4 UJ	1.9 U	1.9 U	110 U	1.7 U	1.8 U	1.7 U
1,2-Dibromoethane (Ethylene Dibromide)	TRG		106-93-4	NE	NE	2 U	1.9 U	1.8 U	2.1 U	2.1 U	150 U	4 U	2.4 U	1.9 U	1.9 U	110 U	1.7 U	1.8 U	1.7 U
1,2-Dichlorobenzene	TRG		95-50-1	1100	500000	2 U	1.9 U	1.8 U	2.1 U	2.1 U	150 U	4 U	2.4 UJ	1.9 U	1.9 U	110 U	1.7 U	1.8 U	1.7 U
1,2-Dichloroethane	TRG		107-06-2	20	30000	2 U	1.9 U	1.8 U	2.1 U	2.1 U	75 U	4 U	2.4 U	1.9 U	1.9 U	54 U	1.7 U	1.8 U	1.7 U
1,2-Dichloropropane	TRG		78-87-5	NE	NE	2 U	1.9 U	1.8 U	2.1 U	2.1 U	150 U	4 U	2.4 U	1.9 U	1.9 U	110 U	1.7 U	1.8 U	1.7 U
1,3-Dichlorobenzene	TRG		541-73-1	2400	280000	2 U	1.9 U	1.8 U	2.1 U	2.1 U	150 U	4 U	2.4 UJ	1.9 U	1.9 U	110 U	1.7 U	1.8 U	1.7 U
1,4-Dichlorobenzene	TRG		106-46-7	1800	130000	2 U	1.9 U	1.8 U	2.1 U	2.1 U	150 U	4 U	2.4 UJ	1.9 U	1.9 U	110 U	1.7 U	1.8 U	1.7 U
1,4-Dioxane (P-Dioxane)	TRG		123-91-1	100	130000	98 U	94 U	89 U	100 R	100 R	7500 R	200 R	120 R	95 R	95 R	5400 R	85 R	89 R	87 R
2-Hexanone	TRG		591-78-6	NE	NE	2 U	1.9 U	1.8 U	2.1 U	2.1 U	150 U	4 U	2.4 U	1.9 U	1.9 U	110 U	1.7 U	1.8 U	1.7 U
Acetone	TRG		67-64-1	50	500000	110 U	40 U	8.9 U	10 U	10 U	750 U	88 U	12 U	**730**	38 U	540 U	48 U	66 U	8.7 U
Benzene	TRG		71-43-2	60	44000	0.98 U	0.94 U	0.89 U	1 U	1 U	**77**	2 U	1.2 U	**1.2**	0.95 U	54 U	0.85 U	0.89 U	0.87 U
Bromochloromethane	TRG		74-97-5	NE	NE	2 U	1.9 U	1.8 U	2.1 U	2.1 U	150 U	4 U	2.4 U	1.9 U	1.9 U	110 U	1.7 U	1.8 U	1.7 U
Bromodichloromethane	TRG		75-27-4	NE	NE	2 U	1.9 U	1.8 U	2.1 U	2.1 U	150 U	4 U	2.4 U	1.9 U	1.9 U	110 U	1.7 U	1.8 U	1.7 U
Bromoform	TRG		75-25-2	NE	NE	2 U	1.9 U	1.8 U	2.1 U	2.1 U	150 U	4 U	2.4 U	1.9 U	1.9 U	110 U	1.7 U	1.8 U	1.7 U
Bromomethane	TRG		74-83-9	NE	NE	2 U	1.9 U	1.8 U	2.1 U	2.1 U	150 UJ	4 U	2.4 U	1.9 U	1.9 U	110 U	1.7 U	1.8 U	1.7 U
Carbon Disulfide	TRG		75-15-0	NE	NE	2 U	1.9 U	1.8 U	2.1 U	2.1 U	150 U	**6**	2.4 U	**2.2**	1.9 U	110 U	1.7 U	1.8 U	**4.4**
Carbon Tetrachloride	TRG		56-23-5	760	22000	2 U	1.9 U	1.8 U	2.1 U	2.1 U	150 U	4 U	2.4 U	1.9 U	1.9 U	110 U	1.7 U	1.8 U	1.7 U
Chlorobenzene	TRG		108-90-7	1100	500000	2 U	1.9 U	1.8 U	2.1 U	2.1 U	150 U	4 U	2.4 U	1.9 U	1.9 U	110 U	1.7 U	1.8 U	1.7 U
Chloroethane	TRG		75-00-3	NE	NE	2 U	1.9 U	1.8 U	2.1 U	2.1 U	150 U	4 U	2.4 U	1.9 U	1.9 U	110 U	1.7 U	1.8 U	1.7 U
Chloroform	TRG		67-66-3	370	350000	2 U	1.9 U	1.8 U	2.1 U	2.1 U	150 U	4 U	2.4 U	1.9 U	1.9 U	110 U	1.7 U	1.8 U	1.7 U
Chloromethane	TRG		74-87-3	NE	NE	2 U	1.9 U	1.8 U	2.1 U	2.1 U	150 U	4 U	2.4 U	**4.2**	1.9 U	110 U	1.7 U	1.8 U	1.7 U
Cis-1,2-Dichloroethylene	TRG		156-59-2	250	500000	2 U	1.9 U	1.8 U	2.1 U	2.1 U	150 U	4 U	2.4 U	1.9 U	1.9 U	110 U	1.7 U	1.8 U	1.7 U
Cis-1,3-Dichloropropene	TRG		10061-01-5	NE	NE	2 U	1.9 U	1.8 U	2.1 U	2.1 U	150 U	4 U	2.4 U	1.9 U	1.9 U	110 U	1.7 U	1.8 U	1.7 U
Cyclohexane	TRG		110-82-7	NE	NE	2 U	1.9 U	1.8 U	2.1 U	2.1 U	150 U	4 U	2.4 U	1.9 U	1.9 U	110 U	1.7 U	1.8 U	1.7 U
Dibromochloromethane	TRG		124-48-1	NE	NE	2 U	1.9 U	1.8 U	2.1 U	2.1 U	150 U	4 U	2.4 U	1.9 U	1.9 U	110 U	1.7 U	1.8 U	1.7 U
Dichlorodifluoromethane	TRG		75-71-8	NE	NE	2 UJ	1.9 UJ	1.8 UJ	2.1 U	2.1 U	150 U	4 U	2.4 U	1.9 U	1.9 U	110 UJ	1.7 U	1.8 U	1.7 U
Ethylbenzene	TRG		100-41-4	1000	390000	0.98 U	0.94 U	0.89 U	1 U	1 U	150 U	2 U	1.2 U	**2.8**	0.95 U	110 U	0.85 U	0.89 U	0.87 U
Isopropylbenzene (Cumene)	TRG		98-82-8	NE	NE	0.98 U	0.94 U	0.89 U	1 U	1 U	150 U	2 U	1.2 UJ	0.95 U	0.95 U	110 U	0.85 U	0.89 U	0.87 U
Methyl Acetate	TRG		79-20-9	NE	NE	2 U	1.9 U	1.8 U	2.1 U	2.1 U	150 U	4 UJ	2.4 U	1.9 U	1.9 U	110 U	1.7 U	1.8 U	1.7 U
Methyl Ethyl Ketone (2-Butanone)	TRG		78-93-3	120	500000	2 U	1.9 U	1.8 U	2.1 U	2.1 U	150 U	4 U	2.4 U	**62**	1.9 U	110 U	1.7 U	1.8 U	1.7 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	TRG		108-10-1	NE	NE	2 U	1.9 U	1.8 U	2.1 U	2.1 U	150 U	4 U	2.4 U	1.9 U	1.9 U	110 U	1.7 U	1.8 U	1.7 U
Methylcyclohexane	TRG		108-87-2	NE	NE	2 U	1.9 U	1.8 U	2.1 U	2.1 U	150 U	4 U	2.4 U	1.9 U	1.9 U	110 U	1.7 U	1.8 U	1.7 U
Methylene Chloride	TRG		75-09-2	50	500000	50 U	52 U	7.9 U	2.1 U	2.1 U	150 U	92 U	2.4 U	24 U	18 U	110 U	16 U	18 U	16 U
M-P-Xylene	TRG		136777-61-2	NE	NE	0.98 U	0.94 U	0.89 U	1 U	1 U	150 U	2 U	1.2 U	**13**	0.95 U	110 U	0.85 U	0.89 U	0.87 U
O-Xylene (1,2-Dimethylbenzene)	TRG		95-47-6	260	500000	0.98 U	0.94 U	0.89 U	1 U	1 U	150 U	2 U	1.2 U	**5.8**	0.95 U	110 U	0.85 U	0.89 U	0.87 U
Styrene	TRG		100-42-5	NE	NE	2 U	1.9 U	1.8 U	2.1 U	2.1 U	150 U	4 U	2.4 U	1.9 U	1.9 U	110 U	1.7 U	1.8 U	1.7 U
Tert-Butyl Methyl Ether	TRG		1634-04-4	930	500000	0.98 U	0.94 U	0.89 U	1 U	1 U	75 U	2 U	1.2 U	0.95 U	0.95 U	54 U	0.85 U	0.89 U	0.87 U
Tetrachloroethylene (PCE)	TRG		127-18-4	1300	150000	2 U	1.9 U	1.8 U	2.1 U	2.1 U	150 U	4 U	2.4 U	1.9 U	1.9 U	**670**	1.7 U	1.8 U	1.7 U
Toluene	TRG		108-88-3	700	500000	0.98 U	0.94 U	0.89 U	1 U	1 U	150 U	2 U	1.2 U	**2**	0.95 U	**260**	**1**	0.89 U	0.87 U
Trans-1,2-Dichloroethene	TRG		156-60-5	190	500000	2 U	1.9 U	1.8 U	2.1 U	2.1 U	150 U	4 U	2.4 U	1.9 U	1.9 U	110 U	1.7 U	1.8 U	1.7 U
Trans-1,3-Dichloropropene	TRG		10061-02-6	NE	NE	2 U	1.9 U	1.8 U	2.1 U	2.1 U	150 U	4 U	2.4 U	1.9 U	1.9 U	110 U	1.7 U	1.8 U	1.7 U
Trichloroethylene (TCE)	TRG		79-01-6	470	200000	**2.1**	**5.5**	1.8 U	**6.7**	**8.2**	**39000**	**15**	2.4 U	**3.1**	1.9 U	110 U	1.7 U	1.8 U	1.7 U
Trichlorofluoromethane	TRG		75-69-4	NE	NE	2 U	1.9 U	1.8 U	2.1 U	2.1 U	150 U	4 U	2.4 U	1.9 U	1.9 U	110 U	1.7 U	1.8 U	1.7 U
Vinyl Chloride	TRG		75-01-4	20	13000	2 U	1.9 U	1.8 U	2.1 U	2.1 U	150 U	4 U	2.4 U	1.9 U	1.9 U	110 U	1.7 U	1.8 U	1.7 U
Xylenes	TRG		1330-20-7	260	500000	0.98 U	0.94 U	0.89 U	1 U	1 U	150 U	2 U	1.2 U	**18.8**	0.95 U	110 U	0.85 U	0.89 U	0.87 U
Total VOCs	TRG		TVOC	NE	NE	**20.1**	**12.7**	0	**6.7**	**8.2**	**40007**	**486**	**5.4**	**904.8**	0	**6830**	**4.4**	**16**	**4.4**

Table 5-2
Summary of Soil Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	IP-06	IP-07	IP-07	IP-08	IP-08	IP-08	LP-01	LP-01	LP-01	LP-01	LP-01A	LP-01A	LP-01A	LP-01A
					Sample Name	IP-6 (4-6)	IP-7 (0-2)	IP-7 (6-8)	2015_07_07 DUP	IP-8 (0-2)	IP-8 (3-4)	LP-1 (17'-18')	LP-1 (20'-22')	LP-1 (30'-32')	LP-1 (38'-40')	LP-1A (15'-17')	LP-1A (20'-22')	LP-1A (28'-30')	LP-1A (38'-40')
					Sample Date	7/15/2015	7/15/2015	7/15/2015	7/7/2015	7/7/2015	7/7/2015	6/25/2015	6/24/2015	6/24/2015	6/24/2015	6/26/2015	6/26/2015	6/26/2015	6/26/2015
					Parent Sample				IP-8 (0-2)-5070806										
Analyte	**Result Type**	**Units**	**CAS No.**	**Unrestricted SCO**	**Commercial SCO**														
(Cyclopentylmethyl)Cyclohexane	TIC		4431-89-4	NE	NE							**120 NJ**							
1,1,4,4-Tetramethyl-2,3,4,5,6,7-hexahyd	TIC		85329-77-7	NE	NE														
1,1'-Bicycloheptyl	TIC		23183-11-1	NE	NE														
1,2,3,4-Tetrahydro-2,7-Dimethyl Naphthalene	TIC		13065-07-1	NE	NE														
1,2,3-Trimethyl Benzene	TIC		526-73-8	NE	NE														
1,2,4,5-Tetramethylbenzene	TIC		95-93-2	NE	NE														
1,2,4-Trimethylbenzene	TIC		95-63-6	3600	190000														
1,3,5-Trimethylbenzene (Mesitylene)	TIC		108-67-8	8400	190000														
1,3,6-Octatriene, 3,7-dimethyl-, (Z)-	TIC		3338-55-4	NE	NE														
1,3,7-OCTATRIENE, 3,7-DIMETHYL-	TIC		502-99-8	NE	NE														
1,3-Diethyl Benzene	TIC		141-93-5	NE	NE														
1,3-Diethyl-5-Methylbenzene	TIC		2050-24-0	NE	NE														
1,3-Pentadiene, (Z)-	TIC		504-60-9	NE	NE														
1,4-Diethyl Benzene	TIC		105-05-5	NE	NE														
1-Decanol, 2-ethyl-	TIC		21078-65-9	NE	NE														
1-Ethyl-2,3-Dimethylbenzene	TIC		933-98-2	NE	NE														
1H-Indene, 2,3-Dihydro-4,7-Dimethyl-	TIC		6682-71-9	NE	NE														
1-Methylnaphthalene	TIC		90-12-0	NE	NE														
1-Octanol, 2-butyl-	TIC		2/8/3913	NE	NE									**27 NJ**					
1-Pentene	TIC		109-67-1	NE	NE														
2,2,5-Trimethyl Hexane	TIC		3522-94-9	NE	NE														
2,2-Dimethylbutane	TIC		75-83-2	NE	NE														
2,3,6-Trimethyl Octane	TIC		62016-33-5	NE	NE														
2,5-Dimethylundecane	TIC		17301-22-3	NE	NE														
2,6-Dimethyl Octane	TIC		2051-30-1	NE	NE							**130 NJ**				**380 NJ**			
2,6-Dimethylundecane	TIC		17301-23-4	NE	NE														
2,7,10-Trimethyl Dodecane	TIC		74645-98-0	NE	NE														
2-Ethyl-1,4-Dimethyl Benzene	TIC		1758-88-9	NE	NE														
2-Ethylhexyl Aldehyde	TIC		123-05-7	NE	NE														
2-Heptanone	TIC		110-43-0	NE	NE														
2-Methyl Nonane	TIC		871-83-0	NE	NE														
2-Methyl-1,3-Butadiene (Isoprene)	TIC		78-79-5	NE	NE														
3-Carene	TIC		13466-78-9	NE	NE														
3-Ethyl-2-Methyl-Heptane	TIC		14676-29-0	NE	NE							**270 NJ**							
3-Methyl Decane	TIC		13151-34-3	NE	NE														
4-(2,6,6-Trimethyl-1-Cyclohexen-1-Yl)-3-Buten-2-One	TIC		14901-07-6	NE	NE														
4-Ethyltoluene	TIC		622-96-8	NE	NE														
4-Methyl Decane	TIC		2847-72-5	NE	NE							**180 NJ**		**41 NJ**		**740 NJ**			
4-Methyl Dodecane	TIC		6117-97-1	NE	NE														
4-Methyl-Nonane	TIC		17301-94-9	NE	NE											**720 NJ**			
5-Octadecene, (E)-	TIC		7206-21-5	NE	NE														
5-Octadecyne	TIC		71899-42-8	NE	NE									**33 NJ**					
6-Methylpentadecane	TIC		10105-38-1	NE	NE														
6-Methyltetralin	TIC		1680-51-9	NE	NE														
Benzene, 1,3,5-tris(1-methylethyl)-	TIC		717-74-8	NE	NE														
Bornylene	TIC		464-17-5	NE	NE														
Camphene	TIC		79-92-5	NE	NE														
Cyclohexane, 1-methyl-4-(1-methylethyl)	TIC		6069-98-3	NE	NE														
Cyclopentane	TIC		287-92-3	NE	NE														
Cyclopentane, (1-methylbutyl)-	TIC		4737-43-3	NE	NE									**67 NJ**					
Cyclopentane, 1,2-dimethyl-3-(1-methyle	TIC		489-20-3	NE	NE							**100 NJ**							
Decahydro Naphthalene	TIC		91-17-8	NE	NE											**720 NJ**			
Decane, 5-ethyl-5-methyl-	TIC		17312-74-2	NE	NE														
Diethyl Ether (Ethyl Ether)	TIC		60-29-7	NE	NE														
Dodecane, 4,6-Dimethyl-	TIC		61141-72-8	NE	NE														
ENDOISOCAMPHANE	TIC		20536-40-7	NE	NE														
Isobutyraldehyde	TIC		78-84-2	NE	NE									**79 NJ**					
Isopropylbenzene	TIC		00098-82-8	NE	NE														
Limonene	TIC		138-86-3	NE	NE														
M-Cymene	TIC		535-77-3	NE	NE														
Naphthalene	TIC		91-20-3	12000	500000														
N-Butyl Acetate	TIC		123-86-4	NE	NE														

Table 5-2
Summary of Soil Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	IP-06	IP-07	IP-07	IP-08	IP-08	IP-08	LP-01	LP-01	LP-01	LP-01	LP-01A	LP-01A	LP-01A	LP-01A
					Sample Name	IP-6 (4-6)	IP-7 (0-2)	IP-7 (6-8)	2015_07_07 DUP	IP-8 (0-2)	IP-8 (3-4)	LP-1 (17'-18')	LP-1 (20'-22')	LP-1 (30'-32')	LP-1 (38'-40')	LP-1A (15'-17')	LP-1A (20'-22')	LP-1A (28'-30')	LP-1A (38'-40')
					Sample Date	7/15/2015	7/15/2015	7/15/2015	7/7/2015	7/7/2015	7/7/2015	6/25/2015	6/24/2015	6/24/2015	6/24/2015	6/26/2015	6/26/2015	6/26/2015	6/26/2015
					Parent Sample				IP-8 (0-2)-5070806										
Analyte	**Result Type**	**Units**	**CAS No.**	**Unrestricted SCO**	**Commercial SCO**														
N-Decane	TIC		124-18-5	NE	NE							**270 NJ**				**1100 NJ**			
N-Hexane	TIC		110-54-3	NE	NE														
N-Nonane	TIC		111-84-2	NE	NE							**160 NJ**							
N-Octane	TIC		111-65-9	NE	NE														
N-Propylbenzene	TIC		103-65-1	3900	500000														
N-Undecane	TIC		1120-21-4	NE	NE											**850 NJ**			
Octamethylcyclotetrasiloxane	TIC		556-67-2	NE	NE												**3.5 NJ**		
Squalane	TIC		111-01-3	NE	NE									**28 NJ**					
Trans-Decahydro-Naphthalene	TIC		493-02-7	NE	NE							**87 NJ**		**85 NJ**					
Tricyclo[4.3.1.1(3,8)]undecane-1-carbox	TIC		31083-60-0	NE	NE														
Unknown With 1st Highest Conc.	TIC		UNKNOWN1	NE	NE				**6.6 J**			**150 J**	**4.2 J**	**28 J**		**370 J**			
Unknown With 2nd Highest Conc.	TIC		UNKNOWN2	NE	NE							**470 J**		**31 J**		**410 J**			
Unknown With 3rd Highest Conc.	TIC		UNKNOWN3	NE	NE									**43 J**		**480 J**			
Unknown With 4th Highest Conc.	TIC		UNKNOWN4	NE	NE											**720 J**			
Unknown With 5th Highest Conc.	TIC		UNKNOWN5	NE	NE														
Unknown With 6th Highest Conc.	TIC		UNKNOWN6	NE	NE														

Table 5-2
Summary of Soil Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

Location Name						LP-02	LP-02	LP-02	LP-02	LP-03	LP-03	LP-03	LP-03	LP-03	LP-03	LP-04	LP-04	LP-04
Sample Name						LP-2 (15'-17')	LP-2 (20'-22')	LP-2 (28'-30')	LP-2 (38'-40')	2015-06-24-DUP	LP-3 (15'-17')	LP-3 (20'-22')	LP-3 (28'-30')	LP-3 (38'-40')	LP-3 (5'-7')	LP-4 (20'-22')	LP-4 (15'-17')	LP-4 (28'-30')
Sample Date						6/26/2015	6/26/2015	6/26/2015	6/26/2015	6/24/2015	6/24/2015	6/24/2015	6/24/2015	6/24/2015	6/24/2015	6/24/2015	6/24/2015	6/24/2015
Parent Sample										LP-3 (20'-22')-5062504								
Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO													
SSO_VOC		ug/kg																
1,1,1-Trichloroethane	TRG		71-55-6	680	500000	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.8 U	1.8 U	2.1 U	2.1 U	2.1 U	2.5 U	2.4 U	2.3 U
1,1,2,2-Tetrachloroethane	TRG		79-34-5	NE	NE	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.8 U	1.8 U	2.1 U	2.1 U	2.1 U	2.5 U	2.4 U	2.3 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	TRG		76-13-1	NE	NE	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.8 U	1.8 U	2.1 U	2.1 U	2.1 U	2.5 U	2.4 U	2.3 U
1,1,2-Trichloroethane	TRG		79-00-5	NE	NE	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.8 U	1.8 U	2.1 U	2.1 U	2.1 U	2.5 U	2.4 U	2.3 U
1,1-Dichloroethane	TRG		75-34-3	270	240000	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.8 U	1.8 U	2.1 U	2.1 U	2.1 U	2.5 U	2.4 U	2.3 U
1,1-Dichloroethene	TRG		75-35-4	330	500000	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.8 U	1.8 U	2.1 U	2.1 U	2.1 U	2.5 U	2.4 U	2.3 U
1,2,3-Trichlorobenzene	TRG		87-61-6	NE	NE	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.8 U	1.8 U	2.1 U	2.1 U	2.1 U	2.5 UJ	2.4 UJ	2.3 UJ
1,2,4-Trichlorobenzene	TRG		120-82-1	NE	NE	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.8 U	1.8 U	2.1 U	2.1 U	2.1 U	2.5 UJ	2.4 UJ	2.3 UJ
1,2-Dibromo-3-Chloropropane	TRG		96-12-8	NE	NE	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.8 U	1.8 U	2.1 U	2.1 U	2.1 U	2.5 UJ	2.4 UJ	2.3 UJ
1,2-Dibromoethane (Ethylene Dibromide)	TRG		106-93-4	NE	NE	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.8 U	1.8 U	2.1 U	2.1 U	2.1 U	2.5 U	2.4 U	2.3 U
1,2-Dichlorobenzene	TRG		95-50-1	1100	500000	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.8 U	1.8 U	2.1 U	2.1 U	2.1 U	2.5 UJ	2.4 UJ	2.3 UJ
1,2-Dichloroethane	TRG		107-06-2	20	30000	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.8 U	1.8 U	2.1 U	2.1 U	2.1 U	2.5 U	2.4 U	2.3 U
1,2-Dichloropropane	TRG		78-87-5	NE	NE	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.8 U	1.8 U	2.1 U	2.1 U	2.1 U	2.5 U	2.4 U	2.3 U
1,3-Dichlorobenzene	TRG		541-73-1	2400	280000	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.8 U	1.8 U	2.1 U	2.1 U	2.1 U	2.5 UJ	2.4 UJ	2.3 UJ
1,4-Dichlorobenzene	TRG		106-46-7	1800	130000	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.8 U	1.8 U	2.1 U	2.1 U	2.1 U	2.5 UJ	2.4 UJ	2.3 UJ
1,4-Dioxane (P-Dioxane)	TRG		123-91-1	100	130000	95 R	97 R	95 R	100 R	93 R	92 R	92 R	100 R	100 R	100 R	120 R	120 R	110 R
2-Hexanone	TRG		591-78-6	NE	NE	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.8 U	1.8 U	2.1 U	2.1 U	2.1 U	2.5 U	2.4 U	2.3 U
Acetone	TRG		67-64-1	50	500000	64 U	37 U	31 U	110 U	50 U	47 U	34 U	38 U	34 U	40 U	12 U	12 U	11 U
Benzene	TRG		71-43-2	60	44000	0.95 U	0.97 U	0.95 U	1 U	0.93 U	0.92 U	0.92 U	1 U	1 U	1 U	1.2 U	1.2 U	1.1 U
Bromochloromethane	TRG		74-97-5	NE	NE	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.8 U	1.8 U	2.1 U	2.1 U	2.1 U	2.5 U	2.4 U	2.3 U
Bromodichloromethane	TRG		75-27-4	NE	NE	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.8 U	1.8 U	2.1 U	2.1 U	2.1 U	2.5 U	2.4 U	2.3 U
Bromoform	TRG		75-25-2	NE	NE	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.8 U	1.8 U	2.1 U	2.1 U	2.1 U	2.5 U	2.4 U	2.3 U
Bromomethane	TRG		74-83-9	NE	NE	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.8 U	1.8 U	2.1 U	2.1 U	2.1 U	2.5 U	2.4 U	2.3 U
Carbon Disulfide	TRG		75-15-0	NE	NE	1.9 U	1.9 U	1.9 U	**24**	1.9 U	1.8 U	1.8 U	2.1 U	**13**	2.1 U	2.5 U	2.4 U	2.3 U
Carbon Tetrachloride	TRG		56-23-5	760	22000	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.8 U	1.8 U	2.1 U	2.1 U	2.1 U	2.5 U	2.4 U	2.3 U
Chlorobenzene	TRG		108-90-7	1100	500000	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.8 U	1.8 U	2.1 U	2.1 U	2.1 U	2.5 U	2.4 U	2.3 U
Chloroethane	TRG		75-00-3	NE	NE	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.8 U	1.8 U	2.1 U	2.1 U	2.1 U	2.5 U	2.4 U	2.3 U
Chloroform	TRG		67-66-3	370	350000	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.8 U	1.8 U	2.1 U	2.1 U	2.1 U	2.5 U	2.4 U	2.3 U
Chloromethane	TRG		74-87-3	NE	NE	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.8 U	1.8 U	2.1 U	2.1 U	2.1 U	2.5 U	2.4 U	2.3 U
Cis-1,2-Dichloroethylene	TRG		156-59-2	250	500000	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.8 U	1.8 U	2.1 U	2.1 U	2.1 U	2.5 U	2.4 U	2.3 U
Cis-1,3-Dichloropropene	TRG		10061-01-5	NE	NE	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.8 U	1.8 U	2.1 U	2.1 U	2.1 U	2.5 U	2.4 U	2.3 U
Cyclohexane	TRG		110-82-7	NE	NE	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.8 U	1.8 U	2.1 U	2.1 U	2.1 U	2.5 U	2.4 U	2.3 U
Dibromochloromethane	TRG		124-48-1	NE	NE	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.8 U	1.8 U	2.1 U	2.1 U	2.1 U	2.5 U	2.4 U	2.3 U
Dichlorodifluoromethane	TRG		75-71-8	NE	NE	1.9 UJ	1.9 U	1.9 U	2 U	1.9 U	1.8 U	1.8 U	2.1 U	2.1 U	2.1 U	2.5 U	2.4 U	2.3 U
Ethylbenzene	TRG		100-41-4	1000	390000	0.95 U	0.97 U	0.95 U	1 U	0.93 U	0.92 U	0.92 U	1 U	1 U	1 U	1.2 U	1.2 U	1.1 U
Isopropylbenzene (Cumene)	TRG		98-82-8	NE	NE	0.95 U	0.97 U	0.95 U	1 U	0.93 U	0.92 U	0.92 U	1 U	1 U	1 U	1.2 UJ	1.2 UJ	1.1 UJ
Methyl Acetate	TRG		79-20-9	NE	NE	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.8 U	1.8 U	2.1 U	2.1 U	2.1 U	2.5 U	2.4 U	2.3 U
Methyl Ethyl Ketone (2-Butanone)	TRG		78-93-3	120	500000	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.8 U	1.8 U	2.1 U	2.1 U	2.1 U	2.5 U	2.4 U	2.3 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	TRG		108-10-1	NE	NE	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.8 U	1.8 U	2.1 U	2.1 U	2.1 U	2.5 U	2.4 U	2.3 U
Methylcyclohexane	TRG		108-87-2	NE	NE	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.8 U	1.8 U	2.1 U	2.1 U	2.1 U	2.5 U	2.4 U	2.3 U
Methylene Chloride	TRG		75-09-2	50	500000	67 U	18 U	18 U	18 U	13 U	12 U	15 U	18 U	48 U	12 U	2.5 U	2.4 U	2.3 U
M-P-Xylene	TRG		136777-61-2	NE	NE	0.95 U	0.97 U	0.95 U	1 U	0.93 U	0.92 U	0.92 U	1 U	1 U	1 U	1.2 U	1.2 U	1.1 U
O-Xylene (1,2-Dimethylbenzene)	TRG		95-47-6	260	500000	0.95 U	0.97 U	0.95 U	1 U	0.93 U	0.92 U	0.92 U	1 U	1 U	1 U	1.2 U	1.2 U	1.1 U
Styrene	TRG		100-42-5	NE	NE	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.8 U	1.8 U	2.1 U	2.1 U	2.1 U	2.5 U	2.4 U	2.3 U
Tert-Butyl Methyl Ether	TRG		1634-04-4	930	500000	0.95 U	0.97 U	0.95 U	1 U	0.93 U	0.92 U	0.92 U	1 U	1 U	1 U	1.2 U	1.2 U	1.1 U
Tetrachloroethylene (PCE)	TRG		127-18-4	1300	150000	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.8 U	1.8 U	2.1 U	2.1 U	2.1 U	2.5 U	2.4 U	2.3 U
Toluene	TRG		108-88-3	700	500000	0.95 U	0.97 U	0.95 U	1 U	0.93 U	0.92 U	0.92 U	1 U	1 U	1 U	1.2 U	1.2 U	1.1 U
Trans-1,2-Dichloroethene	TRG		156-60-5	190	500000	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.8 U	1.8 U	2.1 U	2.1 U	2.1 U	2.5 U	2.4 U	2.3 U
Trans-1,3-Dichloropropene	TRG		10061-02-6	NE	NE	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.8 U	1.8 U	2.1 U	2.1 U	2.1 U	2.5 U	2.4 U	2.3 U
Trichloroethylene (TCE)	TRG		79-01-6	470	200000	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.8 U	1.8 U	2.1 U	2.1 U	2.1 U	2.5 U	2.4 U	2.3 U
Trichlorofluoromethane	TRG		75-69-4	NE	NE	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.8 U	1.8 U	2.1 U	2.1 U	2.1 U	2.5 U	2.4 U	2.3 U
Vinyl Chloride	TRG		75-01-4	20	13000	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.8 U	1.8 U	2.1 U	2.1 U	2.1 U	2.5 U	2.4 U	2.3 U
Xylenes	TRG		1330-20-7	260	500000	0.95 U	0.97 U	0.95 U	1 U	0.93 U	0.92 U	0.92 U	1 U	1 U	1 U	1.2 U	1.2 U	1.1 U
Total VOCs	TRG		TVOC	NE	NE	0	0	0	**24**	0	0	0	0	**13**	0	0	0	0

Table 5-2
Summary of Soil Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	LP-02	LP-02	LP-02	LP-02	LP-03	LP-03	LP-03	LP-03	LP-03	LP-03	LP-04	LP-04	LP-04
					Sample Name	LP-2 (15'-17')	LP-2 (20'-22')	LP-2 (28'-30')	LP-2 (38'-40')	2015-06-24-DUP	LP-3 (15'-17')	LP-3 (20'-22')	LP-3 (28'-30')	LP-3 (38'-40')	LP-3 (5'-7')	LP-4 (20'-22')	LP-4 (15'-17')	LP-4 (28'-30')
					Sample Date	6/26/2015	6/26/2015	6/26/2015	6/26/2015	6/24/2015	6/24/2015	6/24/2015	6/24/2015	6/24/2015	6/24/2015	6/24/2015	6/24/2015	6/24/2015
					Parent Sample					LP-3 (20'-22')-5062504								
Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO													
(Cyclopentylmethyl)Cyclohexane	TIC		4431-89-4	NE	NE													
1,1,4,4-Tetramethyl-2,3,4,5,6,7-hexahyd	TIC		85329-77-7	NE	NE													
1,1'-Bicycloheptyl	TIC		23183-11-1	NE	NE													
1,2,3,4-Tetrahydro-2,7-Dimethyl Naphthalene	TIC		13065-07-1	NE	NE													
1,2,3-Trimethyl Benzene	TIC		526-73-8	NE	NE													
1,2,4,5-Tetramethylbenzene	TIC		95-93-2	NE	NE													
1,2,4-Trimethylbenzene	TIC		95-63-6	3600	190000													
1,3,5-Trimethylbenzene (Mesitylene)	TIC		108-67-8	8400	190000													
1,3,6-Octatriene, 3,7-dimethyl-, (Z)-	TIC		3338-55-4	NE	NE													
1,3,7-OCTATRIENE, 3,7-DIMETHYL-	TIC		502-99-8	NE	NE													
1,3-Diethyl Benzene	TIC		141-93-5	NE	NE													
1,3-Diethyl-5-Methylbenzene	TIC		2050-24-0	NE	NE													
1,3-Pentadiene, (Z)-	TIC		504-60-9	NE	NE													
1,4-Diethyl Benzene	TIC		105-05-5	NE	NE													
1-Decanol, 2-ethyl-	TIC		21078-65-9	NE	NE													
1-Ethyl-2,3-Dimethylbenzene	TIC		933-98-2	NE	NE													
1H-Indene, 2,3-Dihydro-4,7-Dimethyl-	TIC		6682-71-9	NE	NE													
1-Methylnaphthalene	TIC		90-12-0	NE	NE													
1-Octanol, 2-butyl-	TIC		2/8/3913	NE	NE													
1-Pentene	TIC		109-67-1	NE	NE													
2,2,5-Trimethyl Hexane	TIC		3522-94-9	NE	NE													
2,2-Dimethylbutane	TIC		75-83-2	NE	NE													
2,3,6-Trimethyl Octane	TIC		62016-33-5	NE	NE													
2,5-Dimethylundecane	TIC		17301-22-3	NE	NE													
2,6-Dimethyl Octane	TIC		2051-30-1	NE	NE													
2,6-Dimethylundecane	TIC		17301-23-4	NE	NE													
2,7,10-Trimethyl Dodecane	TIC		74645-98-0	NE	NE													
2-Ethyl-1,4-Dimethyl Benzene	TIC		1758-88-9	NE	NE													
2-Ethylhexyl Aldehyde	TIC		123-05-7	NE	NE													
2-Heptanone	TIC		110-43-0	NE	NE													
2-Methyl Nonane	TIC		871-83-0	NE	NE													
2-Methyl-1,3-Butadiene (Isoprene)	TIC		78-79-5	NE	NE													
3-Carene	TIC		13466-78-9	NE	NE													
3-Ethyl-2-Methyl-Heptane	TIC		14676-29-0	NE	NE													
3-Methyl Decane	TIC		13151-34-3	NE	NE													
4-(2,6,6-Trimethyl-1-Cyclohexen-1-Yl)-3-Buten-2-One	TIC		14901-07-6	NE	NE													
4-Ethyltoluene	TIC		622-96-8	NE	NE													
4-Methyl Decane	TIC		2847-72-5	NE	NE													
4-Methyl Dodecane	TIC		6117-97-1	NE	NE													
4-Methyl-Nonane	TIC		17301-94-9	NE	NE													
5-Octadecene, (E)-	TIC		7206-21-5	NE	NE													
5-Octadecyne	TIC		71899-42-8	NE	NE													
6-Methylpentadecane	TIC		10105-38-1	NE	NE													
6-Methyltetralin	TIC		1680-51-9	NE	NE													
Benzene, 1,3,5-tris(1-methylethyl)-	TIC		717-74-8	NE	NE													
Bornylene	TIC		464-17-5	NE	NE													
Camphene	TIC		79-92-5	NE	NE													
Cyclohexane, 1-methyl-4-(1-methylethyl)	TIC		6069-98-3	NE	NE													
Cyclopentane	TIC		287-92-3	NE	NE													
Cyclopentane, (1-methylbutyl)-	TIC		4737-43-3	NE	NE													
Cyclopentane, 1,2-dimethyl-3-(1-methyle	TIC		489-20-3	NE	NE													
Decahydro Naphthalene	TIC		91-17-8	NE	NE													
Decane, 5-ethyl-5-methyl-	TIC		17312-74-2	NE	NE													
Diethyl Ether (Ethyl Ether)	TIC		60-29-7	NE	NE													
Dodecane, 4,6-Dimethyl-	TIC		61141-72-8	NE	NE													
ENDOISOCAMPHANE	TIC		20536-40-7	NE	NE													
Isobutyraldehyde	TIC		78-84-2	NE	NE													
Isopropylbenzene	TIC		00098-82-8	NE	NE													
Limonene	TIC		138-86-3	NE	NE													
M-Cymene	TIC		535-77-3	NE	NE													
Naphthalene	TIC		91-20-3	12000	500000													
N-Butyl Acetate	TIC		123-86-4	NE	NE													

Table 5-2
Summary of Soil Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	LP-02	LP-02	LP-02	LP-02	LP-03	LP-03	LP-03	LP-03	LP-03	LP-03	LP-04	LP-04	LP-04
					Sample Name	LP-2 (15'-17')	LP-2 (20'-22')	LP-2 (28'-30')	LP-2 (38'-40')	2015-06-24-DUP	LP-3 (15'-17')	LP-3 (20'-22')	LP-3 (28'-30')	LP-3 (38'-40')	LP-3 (5'-7')	LP-4 (20'-22')	LP-4 (15'-17')	LP-4 (28'-30')
					Sample Date	6/26/2015	6/26/2015	6/26/2015	6/26/2015	6/24/2015	6/24/2015	6/24/2015	6/24/2015	6/24/2015	6/24/2015	6/24/2015	6/24/2015	6/24/2015
					Parent Sample					LP-3 (20'-22')-5062504								
Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO													
N-Decane	TIC		124-18-5	NE	NE													
N-Hexane	TIC		110-54-3	NE	NE													
N-Nonane	TIC		111-84-2	NE	NE													
N-Octane	TIC		111-65-9	NE	NE													
N-Propylbenzene	TIC		103-65-1	3900	500000													
N-Undecane	TIC		1120-21-4	NE	NE													
Octamethylcyclotetrasiloxane	TIC		556-67-2	NE	NE													
Squalane	TIC		111-01-3	NE	NE													
Trans-Decahydro-Naphthalene	TIC		493-02-7	NE	NE													
Tricyclo[4.3.1.1(3,8)]undecane-1-carbox	TIC		31083-60-0	NE	NE													
Unknown With 1st Highest Conc.	TIC		UNKNOWN1	NE	NE													
Unknown With 2nd Highest Conc.	TIC		UNKNOWN2	NE	NE													
Unknown With 3rd Highest Conc.	TIC		UNKNOWN3	NE	NE													
Unknown With 4th Highest Conc.	TIC		UNKNOWN4	NE	NE													
Unknown With 5th Highest Conc.	TIC		UNKNOWN5	NE	NE													
Unknown With 6th Highest Conc.	TIC		UNKNOWN6	NE	NE													

Table 5-2
Summary of Soil Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	LP-05	LP-05	LP-05	LP-06	LP-06	LP-06	LP-06	LP-06	LP-06	LP-07	LP-07	LP-07	LP-08
					Sample Name	LP-5 (15'-17')	LP-5 (20'-22')	LP-5 (28'-30')	2015_06_23_DUP	LP-6 (15'-17')	LP-6 (20'-22')	LP-6 (28'-30')	LP-6 (38'-40')	LP-6 (5'-10')	LP-7 (15'-17')	LP-7 (20'-22')	LP-7 (28'-30')	LP-8 (15'-17')
					Sample Date	6/24/2015	6/24/2015	6/24/2015	6/23/2015	6/23/2015	6/23/2015	6/23/2015	6/23/2015	6/23/2015	6/23/2015	6/23/2015	6/23/2015	6/22/2015
					Parent Sample				LP-6 (20'-22')									
Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO													
SSO_VOC		ug/kg																
1,1,1-Trichloroethane	TRG		71-55-6	680	500000	2.8 U	2.6 U	2.5 U	**5.4**	**5.8**	**6.1**	**3.7**	2 U	**18**	2.6 U	2.5 U	2.2 U	1.8 U
1,1,2,2-Tetrachloroethane	TRG		79-34-5	NE	NE	2.8 U	2.6 U	2.5 U	1.9 U	1.9 U	2.4 U	2 U	2 U	1.7 U	2.6 U	2.5 U	2.2 U	1.8 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	TRG		76-13-1	NE	NE	2.8 U	2.6 U	2.5 U	1.9 U	1.9 U	2.4 U	2 U	2 U	1.7 U	2.6 U	2.5 U	2.2 U	1.8 U
1,1,2-Trichloroethane	TRG		79-00-5	NE	NE	2.8 U	2.6 U	2.5 U	1.9 U	1.9 U	2.4 U	2 U	2 U	1.7 U	2.6 U	2.5 U	2.2 U	1.8 U
1,1-Dichloroethane	TRG		75-34-3	270	240000	2.8 U	2.6 U	2.5 U	1.9 U	1.9 U	2.4 U	2 U	2 U	1.7 U	2.6 U	2.5 U	2.2 U	1.8 U
1,1-Dichloroethene	TRG		75-35-4	330	500000	2.8 U	2.6 U	2.5 U	1.9 U	1.9 U	2.4 U	2 U	2 U	1.7 U	2.6 U	2.5 U	2.2 U	1.8 U
1,2,3-Trichlorobenzene	TRG		87-61-6	NE	NE	2.8 UJ	2.6 UJ	2.5 UJ	1.9 U	1.9 U	2.4 U	2 U	2 U	1.7 U	2.6 U	2.5 U	2.2 U	1.8 U
1,2,4-Trichlorobenzene	TRG		120-82-1	NE	NE	2.8 UJ	2.6 UJ	2.5 UJ	1.9 U	1.9 U	2.4 U	2 U	2 U	1.7 U	2.6 U	2.5 U	2.2 U	1.8 U
1,2-Dibromo-3-Chloropropane	TRG		96-12-8	NE	NE	2.8 UJ	2.6 UJ	2.5 UJ	1.9 U	1.9 U	2.4 U	2 U	2 U	1.7 U	2.6 U	2.5 U	2.2 U	1.8 U
1,2-Dibromoethane (Ethylene Dibromide)	TRG		106-93-4	NE	NE	2.8 U	2.6 U	2.5 U	1.9 U	1.9 U	2.4 U	2 U	2 U	1.7 U	2.6 U	2.5 U	2.2 U	1.8 U
1,2-Dichlorobenzene	TRG		95-50-1	1100	500000	2.8 UJ	2.6 UJ	2.5 UJ	1.9 U	1.9 U	2.4 U	2 U	2 U	1.7 U	2.6 U	2.5 U	2.2 U	1.8 U
1,2-Dichloroethane	TRG		107-06-2	20	30000	2.8 U	2.6 U	2.5 U	1.9 U	1.9 U	2.4 U	2 U	2 U	1.7 U	2.6 U	2.5 U	2.2 U	1.8 U
1,2-Dichloropropane	TRG		78-87-5	NE	NE	2.8 U	2.6 U	2.5 U	1.9 U	1.9 U	2.4 U	2 U	2 U	1.7 U	2.6 U	2.5 U	2.2 U	1.8 U
1,3-Dichlorobenzene	TRG		541-73-1	2400	280000	2.8 UJ	2.6 UJ	2.5 UJ	1.9 U	1.9 U	2.4 U	2 U	2 U	1.7 U	2.6 U	2.5 U	2.2 U	1.8 U
1,4-Dichlorobenzene	TRG		106-46-7	1800	130000	2.8 UJ	2.6 UJ	2.5 UJ	1.9 U	1.9 U	2.4 U	2 U	2 U	1.7 U	2.6 U	2.5 U	2.2 U	1.8 U
1,4-Dioxane (P-Dioxane)	TRG		123-91-1	100	130000	140 R	130 R	120 R	97 R	95 R	120 R	98 R	98 R	84 R	130 R	130 R	110 R	89 R
2-Hexanone	TRG		591-78-6	NE	NE	2.8 U	2.6 U	2.5 U	1.9 U	1.9 U	2.4 U	2 U	2 U	1.7 U	2.6 U	2.5 U	2.2 U	1.8 U
Acetone	TRG		67-64-1	50	500000	14 U	13 U	12 U	9.7 U	9.5 U	12 U	9.8 U	9.8 U	8.4 U	13 U	13 U	11 U	44 U
Benzene	TRG		71-43-2	60	44000	1.4 U	1.3 U	1.2 U	0.97 U	0.95 U	1.2 U	0.98 U	0.98 U	0.84 U	1.3 U	1.3 U	1.1 U	0.89 U
Bromochloromethane	TRG		74-97-5	NE	NE	2.8 U	2.6 U	2.5 U	1.9 U	1.9 U	2.4 U	2 U	2 U	1.7 U	2.6 U	2.5 U	2.2 U	1.8 U
Bromodichloromethane	TRG		75-27-4	NE	NE	2.8 U	2.6 U	2.5 U	1.9 U	1.9 U	2.4 U	2 U	2 U	1.7 U	2.6 U	2.5 U	2.2 U	1.8 U
Bromoform	TRG		75-25-2	NE	NE	2.8 U	2.6 U	2.5 U	1.9 U	1.9 U	2.4 U	2 U	2 U	1.7 U	2.6 U	2.5 U	2.2 U	1.8 U
Bromomethane	TRG		74-83-9	NE	NE	2.8 U	2.6 U	2.5 U	1.9 U	1.9 U	2.4 U	2 U	2 U	1.7 U	2.6 U	2.5 U	2.2 U	1.8 U
Carbon Disulfide	TRG		75-15-0	NE	NE	2.8 U	2.6 U	2.5 U	1.9 U	1.9 U	2.4 U	2 U	**15**	1.7 U	2.6 U	2.5 U	2.2 U	1.8 U
Carbon Tetrachloride	TRG		56-23-5	760	22000	2.8 U	2.6 U	2.5 U	1.9 U	1.9 U	2.4 U	2 U	2 U	1.7 U	2.6 U	2.5 U	2.2 U	1.8 U
Chlorobenzene	TRG		108-90-7	1100	500000	2.8 U	2.6 U	2.5 U	1.9 U	1.9 U	2.4 U	2 U	2 U	1.7 U	2.6 U	2.5 U	2.2 U	1.8 U
Chloroethane	TRG		75-00-3	NE	NE	2.8 U	2.6 U	2.5 U	1.9 U	1.9 U	2.4 U	2 U	2 U	1.7 U	2.6 U	2.5 U	2.2 U	1.8 U
Chloroform	TRG		67-66-3	370	350000	2.8 U	2.6 U	2.5 U	1.9 U	1.9 U	2.4 U	2 U	2 U	1.7 U	2.6 U	2.5 U	2.2 U	1.8 U
Chloromethane	TRG		74-87-3	NE	NE	2.8 U	2.6 U	2.5 U	1.9 U	1.9 U	2.4 U	2 U	2 U	1.7 U	2.6 U	2.5 U	2.2 U	1.8 U
Cis-1,2-Dichloroethylene	TRG		156-59-2	250	500000	2.8 U	2.6 U	2.5 U	1.9 U	1.9 U	2.4 U	2 U	2 U	1.7 U	2.6 U	2.5 U	2.2 U	1.8 U
Cis-1,3-Dichloropropene	TRG		10061-01-5	NE	NE	2.8 U	2.6 U	2.5 U	1.9 U	1.9 U	2.4 U	2 U	2 U	1.7 U	2.6 U	2.5 U	2.2 U	1.8 U
Cyclohexane	TRG		110-82-7	NE	NE	2.8 U	2.6 U	2.5 U	1.9 U	1.9 U	2.4 U	2 U	2 U	1.7 U	2.6 U	2.5 U	2.2 U	1.8 U
Dibromochloromethane	TRG		124-48-1	NE	NE	2.8 U	2.6 U	2.5 U	1.9 U	1.9 U	2.4 U	2 U	2 U	1.7 U	2.6 U	2.5 U	2.2 U	1.8 U
Dichlorodifluoromethane	TRG		75-71-8	NE	NE	2.8 U	2.6 U	2.5 U	1.9 U	1.9 U	2.4 U	2 U	2 U	1.7 U	2.6 U	2.5 U	2.2 U	1.8 U
Ethylbenzene	TRG		100-41-4	1000	390000	1.4 U	1.3 U	1.2 U	0.97 U	0.95 U	1.2 U	0.98 U	0.98 U	0.84 U	1.3 U	1.3 U	1.1 U	0.89 U
Isopropylbenzene (Cumene)	TRG		98-82-8	NE	NE	1.4 UJ	1.3 UJ	1.2 UJ	0.97 U	0.95 U	1.2 U	0.98 U	0.98 U	0.84 U	1.3 U	1.3 U	1.1 U	0.89 U
Methyl Acetate	TRG		79-20-9	NE	NE	2.8 U	2.6 U	2.5 U	1.9 U	1.9 U	2.4 U	2 U	2 U	1.7 U	2.6 U	2.5 U	2.2 U	1.8 U
Methyl Ethyl Ketone (2-Butanone)	TRG		78-93-3	120	500000	2.8 U	2.6 U	2.5 U	1.9 U	1.9 U	2.4 U	2 U	2 U	1.7 U	2.6 U	2.5 U	2.2 U	1.8 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	TRG		108-10-1	NE	NE	2.8 U	2.6 U	2.5 U	1.9 U	1.9 U	2.4 U	2 U	2 U	1.7 U	2.6 U	2.5 U	2.2 U	1.8 U
Methylcyclohexane	TRG		108-87-2	NE	NE	2.8 U	2.6 U	2.5 U	1.9 U	1.9 U	2.4 U	2 U	2 U	1.7 U	2.6 U	2.5 U	2.2 U	1.8 U
Methylene Chloride	TRG		75-09-2	50	500000	2.8 U	2.6 U	2.5 U	20 U	12 U	13 U	14 U	11 U	6.4 U	2.6 U	2.5 U	2.2 U	18 U
M-P-Xylene	TRG		136777-61-2	NE	NE	1.4 U	1.3 U	1.2 U	0.97 U	0.95 U	1.2 U	0.98 U	0.98 U	0.84 U	1.3 U	1.3 U	1.1 U	0.89 U
O-Xylene (1,2-Dimethylbenzene)	TRG		95-47-6	260	500000	1.4 U	1.3 U	1.2 U	0.97 U	0.95 U	1.2 U	0.98 U	0.98 U	0.84 U	1.3 U	1.3 U	1.1 U	0.89 U
Styrene	TRG		100-42-5	NE	NE	2.8 U	2.6 U	2.5 U	1.9 U	1.9 U	2.4 U	2 U	2 U	1.7 U	2.6 U	2.5 U	2.2 U	1.8 U
Tert-Butyl Methyl Ether	TRG		1634-04-4	930	500000	1.4 U	1.3 U	1.2 U	0.97 U	0.95 U	1.2 U	0.98 U	0.98 U	0.84 U	1.3 U	1.3 U	1.1 U	0.89 U
Tetrachloroethylene (PCE)	TRG		127-18-4	1300	150000	2.8 U	2.6 U	2.5 U	1.9 U	1.9 U	2.4 U	2 U	2 U	1.7 U	2.6 U	2.5 U	2.2 U	1.8 U
Toluene	TRG		108-88-3	700	500000	1.4 U	1.3 U	1.2 U	0.97 U	0.95 U	1.2 U	0.98 U	0.98 U	0.84 U	1.3 U	1.3 U	1.1 U	0.89 U
Trans-1,2-Dichloroethene	TRG		156-60-5	190	500000	2.8 U	2.6 U	2.5 U	1.9 U	1.9 U	2.4 U	2 U	2 U	1.7 U	2.6 U	2.5 U	2.2 U	1.8 U
Trans-1,3-Dichloropropene	TRG		10061-02-6	NE	NE	2.8 U	2.6 U	2.5 U	1.9 U	1.9 U	2.4 U	2 U	2 U	1.7 U	2.6 U	2.5 U	2.2 U	1.8 U
Trichloroethylene (TCE)	TRG		79-01-6	470	200000	2.8 U	2.6 U	2.5 U	1.9 U	1.9 U	2.4 U	2 U	2 U	1.7 U	2.6 U	2.5 U	2.2 U	**2.8**
Trichlorofluoromethane	TRG		75-69-4	NE	NE	2.8 U	2.6 U	2.5 U	1.9 U	1.9 U	2.4 U	2 U	2 U	1.7 U	2.6 U	2.5 U	2.2 U	1.8 U
Vinyl Chloride	TRG		75-01-4	20	13000	2.8 U	2.6 U	2.5 U	1.9 U	1.9 U	2.4 U	2 U	2 U	1.7 U	2.6 U	2.5 U	2.2 U	1.8 U
Xylenes	TRG		1330-20-7	260	500000	1.4 U	1.3 U	1.2 U	0.97 U	0.95 U	1.2 U	0.98 U	0.98 U	0.84 U	1.3 U	1.3 U	1.1 U	0.89 U
Total VOCs	TRG		TVOC	NE	NE	0	0	0	**5.4**	**5.8**	**6.1**	**3.7**	**15**	**18**	0	0	0	**2.8**

Table 5-2
Summary of Soil Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO	Location Name / Sample Name / Sample Date / Parent Sample	LP-05 LP-5 (15'-17') 6/24/2015	LP-05 LP-5 (20'-22') 6/24/2015	LP-05 LP-5 (28'-30') 6/24/2015	LP-06 2015_06_23_DUP 6/23/2015 LP-6 (20'-22')	LP-06 LP-6 (15'-17') 6/23/2015	LP-06 LP-6 (20'-22') 6/23/2015	LP-06 LP-6 (28'-30') 6/23/2015	LP-06 LP-6 (38'-40') 6/23/2015	LP-06 LP-6 (5'-10') 6/23/2015	LP-07 LP-7 (15'-17') 6/23/2015	LP-07 LP-7 (20'-22') 6/23/2015	LP-07 LP-7 (28'-30') 6/23/2015	LP-08 LP-8 (15'-17') 6/22/2015
(Cyclopentylmethyl)Cyclohexane	TIC		4431-89-4	NE	NE														
1,1,4,4-Tetramethyl-2,3,4,5,6,7-hexahyd	TIC		85329-77-7	NE	NE														
1,1'-Bicycloheptyl	TIC		23183-11-1	NE	NE														
1,2,3,4-Tetrahydro-2,7-Dimethyl Naphthalene	TIC		13065-07-1	NE	NE														
1,2,3-Trimethyl Benzene	TIC		526-73-8	NE	NE														
1,2,4,5-Tetramethylbenzene	TIC		95-93-2	NE	NE														
1,2,4-Trimethylbenzene	TIC		95-63-6	3600	190000														
1,3,5-Trimethylbenzene (Mesitylene)	TIC		108-67-8	8400	190000														
1,3,6-Octatriene, 3,7-dimethyl-, (Z)-	TIC		3338-55-4	NE	NE														
1,3,7-OCTATRIENE, 3,7-DIMETHYL-	TIC		502-99-8	NE	NE														
1,3-Diethyl Benzene	TIC		141-93-5	NE	NE														
1,3-Diethyl-5-Methylbenzene	TIC		2050-24-0	NE	NE														
1,3-Pentadiene, (Z)-	TIC		504-60-9	NE	NE														
1,4-Diethyl Benzene	TIC		105-05-5	NE	NE														
1-Decanol, 2-ethyl-	TIC		21078-65-9	NE	NE														
1-Ethyl-2,3-Dimethylbenzene	TIC		933-98-2	NE	NE														
1H-Indene, 2,3-Dihydro-4,7-Dimethyl-	TIC		6682-71-9	NE	NE														
1-Methylnaphthalene	TIC		90-12-0	NE	NE														
1-Octanol, 2-butyl-	TIC		2/8/3913	NE	NE														
1-Pentene	TIC		109-67-1	NE	NE														
2,2,5-Trimethyl Hexane	TIC		3522-94-9	NE	NE														
2,2-Dimethylbutane	TIC		75-83-2	NE	NE														
2,3,6-Trimethyl Octane	TIC		62016-33-5	NE	NE														
2,5-Dimethylundecane	TIC		17301-22-3	NE	NE														
2,6-Dimethyl Octane	TIC		2051-30-1	NE	NE														
2,6-Dimethylundecane	TIC		17301-23-4	NE	NE														
2,7,10-Trimethyl Dodecane	TIC		74645-98-0	NE	NE														
2-Ethyl-1,4-Dimethyl Benzene	TIC		1758-88-9	NE	NE														
2-Ethylhexyl Aldehyde	TIC		123-05-7	NE	NE														
2-Heptanone	TIC		110-43-0	NE	NE														
2-Methyl Nonane	TIC		871-83-0	NE	NE														
2-Methyl-1,3-Butadiene (Isoprene)	TIC		78-79-5	NE	NE														
3-Carene	TIC		13466-78-9	NE	NE														
3-Ethyl-2-Methyl-Heptane	TIC		14676-29-0	NE	NE														
3-Methyl Decane	TIC		13151-34-3	NE	NE														
4-(2,6,6-Trimethyl-1-Cyclohexen-1-Yl)-3-Buten-2-One	TIC		14901-07-6	NE	NE														
4-Ethyltoluene	TIC		622-96-8	NE	NE														
4-Methyl Decane	TIC		2847-72-5	NE	NE														
4-Methyl Dodecane	TIC		6117-97-1	NE	NE														
4-Methyl-Nonane	TIC		17301-94-9	NE	NE														
5-Octadecene, (E)-	TIC		7206-21-5	NE	NE														
5-Octadecyne	TIC		71899-42-8	NE	NE														
6-Methylpentadecane	TIC		10105-38-1	NE	NE														
6-Methyltetralin	TIC		1680-51-9	NE	NE														
Benzene, 1,3,5-tris(1-methylethyl)-	TIC		717-74-8	NE	NE														
Bornylene	TIC		464-17-5	NE	NE														
Camphene	TIC		79-92-5	NE	NE														
Cyclohexane, 1-methyl-4-(1-methylethyl)	TIC		6069-98-3	NE	NE														
Cyclopentane	TIC		287-92-3	NE	NE					**5.4 NJ**									
Cyclopentane, (1-methylbutyl)-	TIC		4737-43-3	NE	NE														
Cyclopentane, 1,2-dimethyl-3-(1-methyle	TIC		489-20-3	NE	NE														
Decahydro Naphthalene	TIC		91-17-8	NE	NE														
Decane, 5-ethyl-5-methyl-	TIC		17312-74-2	NE	NE														
Diethyl Ether (Ethyl Ether)	TIC		60-29-7	NE	NE														
Dodecane, 4,6-Dimethyl-	TIC		61141-72-8	NE	NE														
ENDOISOCAMPHANE	TIC		20536-40-7	NE	NE														
Isobutyraldehyde	TIC		78-84-2	NE	NE														
Isopropylbenzene	TIC		00098-82-8	NE	NE														
Limonene	TIC		138-86-3	NE	NE														
M-Cymene	TIC		535-77-3	NE	NE														
Naphthalene	TIC		91-20-3	12000	500000														
N-Butyl Acetate	TIC		123-86-4	NE	NE														

Table 5-2
Summary of Soil Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	LP-05	LP-05	LP-05	LP-06	LP-06	LP-06	LP-06	LP-06	LP-06	LP-07	LP-07	LP-07	LP-08
					Sample Name	LP-5 (15'-17')	LP-5 (20'-22')	LP-5 (28'-30')	2015_06_23_DUP	LP-6 (15'-17')	LP-6 (20'-22')	LP-6 (28'-30')	LP-6 (38'-40')	LP-6 (5'-10')	LP-7 (15'-17')	LP-7 (20'-22')	LP-7 (28'-30')	LP-8 (15'-17')
					Sample Date	6/24/2015	6/24/2015	6/24/2015	6/23/2015	6/23/2015	6/23/2015	6/23/2015	6/23/2015	6/23/2015	6/23/2015	6/23/2015	6/23/2015	6/22/2015
					Parent Sample				LP-6 (20'-22')									
Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO													
N-Decane	TIC		124-18-5	NE	NE													
N-Hexane	TIC		110-54-3	NE	NE													
N-Nonane	TIC		111-84-2	NE	NE													
N-Octane	TIC		111-65-9	NE	NE													
N-Propylbenzene	TIC		103-65-1	3900	500000													
N-Undecane	TIC		1120-21-4	NE	NE													
Octamethylcyclotetrasiloxane	TIC		556-67-2	NE	NE													
Squalane	TIC		111-01-3	NE	NE													
Trans-Decahydro-Naphthalene	TIC		493-02-7	NE	NE													
Tricyclo[4.3.1.1(3,8)]undecane-1-carbox	TIC		31083-60-0	NE	NE													
Unknown With 1st Highest Conc.	TIC		UNKNOWN1	NE	NE			**4.2 J**										
Unknown With 2nd Highest Conc.	TIC		UNKNOWN2	NE	NE													
Unknown With 3rd Highest Conc.	TIC		UNKNOWN3	NE	NE													
Unknown With 4th Highest Conc.	TIC		UNKNOWN4	NE	NE													
Unknown With 5th Highest Conc.	TIC		UNKNOWN5	NE	NE													
Unknown With 6th Highest Conc.	TIC		UNKNOWN6	NE	NE													

Table 5-2
Summary of Soil Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	LP-08	LP-08	LP-08	LP-09	LP-09	LP-09	LP-10	LP-10	LP-10	LP-10	LP-11	LP-11	LP-11
					Sample Name	LP-8 (20'-22')	LP-8 (28'-30')	LP-8 (5'-10')	LP-9 (15'-17')	LP-9 (20'-22')	LP-9 (28'-30')	2015-07-09 DUP	LP-10 (15-17)	LP-10 (20-22)	LP-10 (28-30)	LP-11 (15-17)	LP-11 (20-22)	LP-11 (28-30)
					Sample Date	6/22/2015	6/22/2015	6/22/2015	6/22/2015	6/22/2015	6/22/2015	7/9/2015	7/9/2015	7/9/2015	7/9/2015	6/29/2015	6/29/2015	6/29/2015
					Parent Sample							LP-10 (20-22)-5071005						
Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO													
SSO_VOC		ug/kg																
1,1,1-Trichloroethane	TRG		71-55-6	680	500000	**1.9**	1.8 U	1.9 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.8 U	2.2 U
1,1,2,2-Tetrachloroethane	TRG		79-34-5	NE	NE	1.7 U	1.8 U	1.9 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.8 U	2.2 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	TRG		76-13-1	NE	NE	1.7 U	1.8 U	1.9 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.8 U	2.2 U
1,1,2-Trichloroethane	TRG		79-00-5	NE	NE	1.7 U	1.8 U	1.9 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.8 U	2.2 U
1,1-Dichloroethane	TRG		75-34-3	270	240000	1.7 U	1.8 U	1.9 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.8 U	2.2 U
1,1-Dichloroethene	TRG		75-35-4	330	500000	1.7 U	1.8 U	1.9 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.8 U	2.2 U
1,2,3-Trichlorobenzene	TRG		87-61-6	NE	NE	1.7 U	1.8 U	1.9 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.8 U	2.2 U
1,2,4-Trichlorobenzene	TRG		120-82-1	NE	NE	1.7 U	1.8 U	1.9 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.8 U	2.2 U
1,2-Dibromo-3-Chloropropane	TRG		96-12-8	NE	NE	1.7 U	1.8 U	1.9 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.8 U	2.2 U
1,2-Dibromoethane (Ethylene Dibromide)	TRG		106-93-4	NE	NE	1.7 U	1.8 U	1.9 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.8 U	2.2 U
1,2-Dichlorobenzene	TRG		95-50-1	1100	500000	1.7 U	1.8 U	1.9 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.8 U	2.2 U
1,2-Dichloroethane	TRG		107-06-2	20	30000	1.7 U	1.8 U	1.9 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.8 U	2.2 U
1,2-Dichloropropane	TRG		78-87-5	NE	NE	1.7 U	1.8 U	1.9 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.8 U	2.2 U
1,3-Dichlorobenzene	TRG		541-73-1	2400	280000	1.7 U	1.8 U	1.9 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.8 U	2.2 U
1,4-Dichlorobenzene	TRG		106-46-7	1800	130000	1.7 U	1.8 U	1.9 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.8 U	2.2 U
1,4-Dioxane (P-Dioxane)	TRG		123-91-1	100	130000	86 R	89 R	94 R	86 R	94 R	92 R	95 R	94 R	99 R	98 R	96 R	90 R	110 R
2-Hexanone	TRG		591-78-6	NE	NE	1.7 U	1.8 U	1.9 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.8 U	2.2 U
Acetone	TRG		67-64-1	50	500000	79 U	19 U	23 U	47 U	42 U	23 U	39 U	28 U	98 U	28 U	83 U	20 U	11 U
Benzene	TRG		71-43-2	60	44000	0.86 U	0.89 U	0.94 U	0.86 U	0.94 U	0.92 U	0.95 U	0.94 U	0.99 U	0.98 U	0.96 U	0.9 U	1.1 U
Bromochloromethane	TRG		74-97-5	NE	NE	1.7 U	1.8 U	1.9 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.8 U	2.2 U
Bromodichloromethane	TRG		75-27-4	NE	NE	1.7 U	1.8 U	1.9 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.8 U	2.2 U
Bromoform	TRG		75-25-2	NE	NE	1.7 U	1.8 U	1.9 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.8 U	2.2 U
Bromomethane	TRG		74-83-9	NE	NE	1.7 U	1.8 U	1.9 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.8 U	2.2 U
Carbon Disulfide	TRG		75-15-0	NE	NE	1.7 U	1.8 U	1.9 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.8 U	2.2 U
Carbon Tetrachloride	TRG		56-23-5	760	22000	1.7 U	1.8 U	1.9 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.8 U	2.2 U
Chlorobenzene	TRG		108-90-7	1100	500000	1.7 U	1.8 U	1.9 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.8 U	2.2 U
Chloroethane	TRG		75-00-3	NE	NE	1.7 U	1.8 U	1.9 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.8 U	2.2 U
Chloroform	TRG		67-66-3	370	350000	1.7 U	1.8 U	1.9 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.8 U	2.2 U
Chloromethane	TRG		74-87-3	NE	NE	1.7 U	1.8 U	1.9 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.8 U	2.2 U
Cis-1,2-Dichloroethylene	TRG		156-59-2	250	500000	1.7 U	1.8 U	1.9 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.8 U	2.2 U
Cis-1,3-Dichloropropene	TRG		10061-01-5	NE	NE	1.7 U	1.8 U	1.9 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.8 U	2.2 U
Cyclohexane	TRG		110-82-7	NE	NE	1.7 U	1.8 U	1.9 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.8 U	2.2 U
Dibromochloromethane	TRG		124-48-1	NE	NE	1.7 U	1.8 U	1.9 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.8 U	2.2 U
Dichlorodifluoromethane	TRG		75-71-8	NE	NE	1.7 U	1.8 U	1.9 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.8 U	2.2 U
Ethylbenzene	TRG		100-41-4	1000	390000	0.86 U	0.89 U	0.94 U	0.86 U	0.94 U	0.92 U	0.95 U	0.94 U	0.99 U	0.98 U	0.96 U	0.9 U	1.1 U
Isopropylbenzene (Cumene)	TRG		98-82-8	NE	NE	0.86 U	0.89 U	0.94 U	0.86 U	0.94 U	0.92 U	0.95 U	0.94 U	0.99 U	0.98 U	0.96 U	0.9 U	1.1 U
Methyl Acetate	TRG		79-20-9	NE	NE	1.7 U	1.8 U	1.9 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.8 U	2.2 U
Methyl Ethyl Ketone (2-Butanone)	TRG		78-93-3	120	500000	1.7 U	1.8 U	1.9 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.8 U	2.2 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	TRG		108-10-1	NE	NE	1.7 U	1.8 U	1.9 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.8 U	2.2 U
Methylcyclohexane	TRG		108-87-2	NE	NE	1.7 U	1.8 U	1.9 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.8 U	2.2 U
Methylene Chloride	TRG		75-09-2	50	500000	22 U	14 U	11 U	11 U	15 U	16 U	25 U	24 U	100 U	25 U	88 U	14 U	51 U
M-P-Xylene	TRG		136777-61-2	NE	NE	0.86 U	0.89 U	0.94 U	0.86 U	0.94 U	0.92 U	0.95 U	0.94 U	0.99 U	0.98 U	0.96 U	0.9 U	1.1 U
O-Xylene (1,2-Dimethylbenzene)	TRG		95-47-6	260	500000	0.86 U	0.89 U	0.94 U	0.86 U	0.94 U	0.92 U	0.95 U	0.94 U	0.99 U	0.98 U	0.96 U	0.9 U	1.1 U
Styrene	TRG		100-42-5	NE	NE	1.7 U	1.8 U	1.9 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.8 U	2.2 U
Tert-Butyl Methyl Ether	TRG		1634-04-4	930	500000	0.86 U	0.89 U	0.94 U	0.86 U	0.94 U	0.92 U	0.95 U	0.94 U	0.99 U	0.98 U	0.96 U	0.9 U	1.1 U
Tetrachloroethylene (PCE)	TRG		127-18-4	1300	150000	1.7 U	1.8 U	1.9 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.8 U	2.2 U
Toluene	TRG		108-88-3	700	500000	0.86 U	0.89 U	0.94 U	0.86 U	0.94 U	0.92 U	0.95 U	0.94 U	0.99 U	0.98 U	0.96 U	0.9 U	1.1 U
Trans-1,2-Dichloroethene	TRG		156-60-5	190	500000	1.7 U	1.8 U	1.9 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.8 U	2.2 U
Trans-1,3-Dichloropropene	TRG		10061-02-6	NE	NE	1.7 U	1.8 U	1.9 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.8 U	2.2 U
Trichloroethylene (TCE)	TRG		79-01-6	470	200000	1.7 U	1.8 U	**3.6**	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.8 U	2.2 U
Trichlorofluoromethane	TRG		75-69-4	NE	NE	1.7 U	1.8 U	1.9 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.8 U	2.2 U
Vinyl Chloride	TRG		75-01-4	20	13000	1.7 U	1.8 U	1.9 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.8 U	2.2 U
Xylenes	TRG		1330-20-7	260	500000	0.86 U	0.89 U	0.94 U	0.86 U	0.94 U	0.92 U	0.95 U	0.94 U	0.99 U	0.98 U	0.96 U	0.9 U	1.1 U
Total VOCs	TRG		TVOC	NE	NE	**1.9**	0	**3.6**	0	0	0	0	0	0	0	0	0	0

Table 5-2
Summary of Soil Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO	Location Name / Sample Name / Sample Date / Parent Sample	LP-08 LP-8 (20'-22') 6/22/2015	LP-08 LP-8 (28'-30') 6/22/2015	LP-08 LP-8 (5'-10') 6/22/2015	LP-09 LP-9 (15'-17') 6/22/2015	LP-09 LP-9 (20'-22') 6/22/2015	LP-09 LP-9 (28'-30') 6/22/2015	LP-10 2015-07-09 DUP 7/9/2015 LP-10 (20-22)-5071005	LP-10 LP-10 (15-17) 7/9/2015	LP-10 LP-10 (20-22) 7/9/2015	LP-10 LP-10 (28-30) 7/9/2015	LP-11 LP-11 (15-17) 6/29/2015	LP-11 LP-11 (20-22) 6/29/2015	LP-11 LP-11 (28-30) 6/29/2015
(Cyclopentylmethyl)Cyclohexane	TIC		4431-89-4	NE	NE														
1,1,4,4-Tetramethyl-2,3,4,5,6,7-hexahyd	TIC		85329-77-7	NE	NE														
1,1'-Bicycloheptyl	TIC		23183-11-1	NE	NE														
1,2,3,4-Tetrahydro-2,7-Dimethyl Naphthalene	TIC		13065-07-1	NE	NE														
1,2,3-Trimethyl Benzene	TIC		526-73-8	NE	NE														
1,2,4,5-Tetramethylbenzene	TIC		95-93-2	NE	NE														
1,2,4-Trimethylbenzene	TIC		95-63-6	3600	190000														
1,3,5-Trimethylbenzene (Mesitylene)	TIC		108-67-8	8400	190000														
1,3,6-Octatriene, 3,7-dimethyl-, (Z)-	TIC		3338-55-4	NE	NE														
1,3,7-OCTATRIENE, 3,7-DIMETHYL-	TIC		502-99-8	NE	NE														
1,3-Diethyl Benzene	TIC		141-93-5	NE	NE														
1,3-Diethyl-5-Methylbenzene	TIC		2050-24-0	NE	NE														
1,3-Pentadiene, (Z)-	TIC		504-60-9	NE	NE														
1,4-Diethyl Benzene	TIC		105-05-5	NE	NE														
1-Decanol, 2-ethyl-	TIC		21078-65-9	NE	NE														
1-Ethyl-2,3-Dimethylbenzene	TIC		933-98-2	NE	NE														
1H-Indene, 2,3-Dihydro-4,7-Dimethyl-	TIC		6682-71-9	NE	NE														
1-Methylnaphthalene	TIC		90-12-0	NE	NE														
1-Octanol, 2-butyl-	TIC		2/8/3913	NE	NE														
1-Pentene	TIC		109-67-1	NE	NE														
2,2,5-Trimethyl Hexane	TIC		3522-94-9	NE	NE														
2,2-Dimethylbutane	TIC		75-83-2	NE	NE														
2,3,6-Trimethyl Octane	TIC		62016-33-5	NE	NE														
2,5-Dimethylundecane	TIC		17301-22-3	NE	NE														
2,6-Dimethyl Octane	TIC		2051-30-1	NE	NE														
2,6-Dimethylundecane	TIC		17301-23-4	NE	NE														
2,7,10-Trimethyl Dodecane	TIC		74645-98-0	NE	NE														
2-Ethyl-1,4-Dimethyl Benzene	TIC		1758-88-9	NE	NE														
2-Ethylhexyl Aldehyde	TIC		123-05-7	NE	NE														
2-Heptanone	TIC		110-43-0	NE	NE														
2-Methyl Nonane	TIC		871-83-0	NE	NE														
2-Methyl-1,3-Butadiene (Isoprene)	TIC		78-79-5	NE	NE														
3-Carene	TIC		13466-78-9	NE	NE														
3-Ethyl-2-Methyl-Heptane	TIC		14676-29-0	NE	NE														
3-Methyl Decane	TIC		13151-34-3	NE	NE														
4-(2,6,6-Trimethyl-1-Cyclohexen-1-Yl)-3-Buten-2-One	TIC		14901-07-6	NE	NE														
4-Ethyltoluene	TIC		622-96-8	NE	NE														
4-Methyl Decane	TIC		2847-72-5	NE	NE														
4-Methyl Dodecane	TIC		6117-97-1	NE	NE														
4-Methyl-Nonane	TIC		17301-94-9	NE	NE														
5-Octadecene, (E)-	TIC		7206-21-5	NE	NE														
5-Octadecyne	TIC		71899-42-8	NE	NE														
6-Methylpentadecane	TIC		10105-38-1	NE	NE														
6-Methyltetralin	TIC		1680-51-9	NE	NE														
Benzene, 1,3,5-tris(1-methylethyl)-	TIC		717-74-8	NE	NE														
Bornylene	TIC		464-17-5	NE	NE														
Camphene	TIC		79-92-5	NE	NE														
Cyclohexane, 1-methyl-4-(1-methylethyl)	TIC		6069-98-3	NE	NE														
Cyclopentane	TIC		287-92-3	NE	NE												**11 NJ**		
Cyclopentane, (1-methylbutyl)-	TIC		4737-43-3	NE	NE														
Cyclopentane, 1,2-dimethyl-3-(1-methyle	TIC		489-20-3	NE	NE														
Decahydro Naphthalene	TIC		91-17-8	NE	NE														
Decane, 5-ethyl-5-methyl-	TIC		17312-74-2	NE	NE														
Diethyl Ether (Ethyl Ether)	TIC		60-29-7	NE	NE												**8.8 NJ**		
Dodecane, 4,6-Dimethyl-	TIC		61141-72-8	NE	NE														
ENDOISOCAMPHANE	TIC		20536-40-7	NE	NE														
Isobutyraldehyde	TIC		78-84-2	NE	NE														
Isopropylbenzene	TIC		00098-82-8	NE	NE														
Limonene	TIC		138-86-3	NE	NE														
M-Cymene	TIC		535-77-3	NE	NE														
Naphthalene	TIC		91-20-3	12000	500000														
N-Butyl Acetate	TIC		123-86-4	NE	NE														

Table 5-2
Summary of Soil Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	LP-08	LP-08	LP-08	LP-09	LP-09	LP-09	LP-10	LP-10	LP-10	LP-10	LP-11	LP-11	LP-11
					Sample Name	LP-8 (20'-22')	LP-8 (28'-30')	LP-8 (5'-10')	LP-9 (15'-17')	LP-9 (20'-22')	LP-9 (28'-30')	2015-07-09 DUP	LP-10 (15-17)	LP-10 (20-22)	LP-10 (28-30)	LP-11 (15-17)	LP-11 (20-22)	LP-11 (28-30)
					Sample Date	6/22/2015	6/22/2015	6/22/2015	6/22/2015	6/22/2015	6/22/2015	7/9/2015	7/9/2015	7/9/2015	7/9/2015	6/29/2015	6/29/2015	6/29/2015
					Parent Sample							LP-10 (20-22)-5071005						
Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO													
N-Decane	TIC		124-18-5	NE	NE													
N-Hexane	TIC		110-54-3	NE	NE													
N-Nonane	TIC		111-84-2	NE	NE													
N-Octane	TIC		111-65-9	NE	NE													
N-Propylbenzene	TIC		103-65-1	3900	500000													
N-Undecane	TIC		1120-21-4	NE	NE													
Octamethylcyclotetrasiloxane	TIC		556-67-2	NE	NE													
Squalane	TIC		111-01-3	NE	NE													
Trans-Decahydro-Naphthalene	TIC		493-02-7	NE	NE													
Tricyclo[4.3.1.1(3,8)]undecane-1-carbox	TIC		31083-60-0	NE	NE													
Unknown With 1st Highest Conc.	TIC		UNKNOWN1	NE	NE									**3.2 J**				
Unknown With 2nd Highest Conc.	TIC		UNKNOWN2	NE	NE									**4.5 J**				
Unknown With 3rd Highest Conc.	TIC		UNKNOWN3	NE	NE													
Unknown With 4th Highest Conc.	TIC		UNKNOWN4	NE	NE													
Unknown With 5th Highest Conc.	TIC		UNKNOWN5	NE	NE													
Unknown With 6th Highest Conc.	TIC		UNKNOWN6	NE	NE													

Table 5-2
Summary of Soil Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

						Location Name	LP-11	LP-12	LP-12	LP-12	LP-12	LP-13	LP-13	LP-13	LP-14	LP-14	LP-14	LP-14	LP-15
						Sample Name	LP-11 (5-10)	2015_07_08 Dup	LP-12 (15-17)	LP-12 (20-22)	LP-12 (28-30)	LP-13 (15-17)	LP-13 (20-22)	LP-13 (28-30)	LP-14 (15-17)	LP-14 (20-22)	LP-14 (28-30)	LP-14 (38-40)	LP-15 (15'-17')
						Sample Date	6/29/2015	7/8/2015	7/8/2015	7/8/2015	7/8/2015	6/29/2015	6/29/2015	6/29/2015	7/13/2015	7/13/2015	7/13/2015	7/13/2015	6/22/2015
						Parent Sample		LP-12 (15-17)-5070902											
Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO														
SSO_VOC		ug/kg																	
1,1,1-Trichloroethane	TRG		71-55-6	680	500000	1.9 U	19 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	1.9 U	1.6 U
1,1,2,2-Tetrachloroethane	TRG		79-34-5	NE	NE	1.9 U	99 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	1.9 U	1.6 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	TRG		76-13-1	NE	NE	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	1.9 U	1.6 U
1,1,2-Trichloroethane	TRG		79-00-5	NE	NE	1.9 U	19 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	1.9 U	1.6 U
1,1-Dichloroethane	TRG		75-34-3	270	240000	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	1.9 U	1.6 U
1,1-Dichloroethene	TRG		75-35-4	330	500000	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	1.9 U	1.6 U
1,2,3-Trichlorobenzene	TRG		87-61-6	NE	NE	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	1.9 U	1.6 U
1,2,4-Trichlorobenzene	TRG		120-82-1	NE	NE	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	1.9 U	1.6 U
1,2-Dibromo-3-Chloropropane	TRG		96-12-8	NE	NE	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	1.9 U	1.6 U
1,2-Dibromoethane (Ethylene Dibromide)	TRG		106-93-4	NE	NE	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	1.9 U	1.6 U
1,2-Dichlorobenzene	TRG		95-50-1	1100	500000	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	1.9 U	1.6 U
1,2-Dichloroethane	TRG		107-06-2	20	30000	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	1.9 U	1.6 U
1,2-Dichloropropane	TRG		78-87-5	NE	NE	1.9 U	26 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	1.9 U	1.6 U
1,3-Dichlorobenzene	TRG		541-73-1	2400	280000	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	1.9 U	1.6 U
1,4-Dichlorobenzene	TRG		106-46-7	1800	130000	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	1.9 U	1.6 U
1,4-Dioxane (P-Dioxane)	TRG		123-91-1	100	130000	95 R	91 R	93 R	96 R	96 R	89 R	96 R	92 R	94 R	97 R	99 R	96 R	80 R
2-Hexanone	TRG		591-78-6	NE	NE	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	1.9 U	1.6 U
Acetone	TRG		67-64-1	50	500000	9.5 U	9.1 U	9.3 U	9.6 U	9.6 U	21 U	37 U	28 U	55 U	74 U	190 U	52 U	12 U
Benzene	TRG		71-43-2	60	44000	0.95 U	0.91 U	0.93 U	0.96 U	0.96 U	0.89 U	0.96 U	0.92 U	0.94 U	0.97 U	0.99 U	0.96 U	0.8 U
Bromochloromethane	TRG		74-97-5	NE	NE	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	1.9 U	1.6 U
Bromodichloromethane	TRG		75-27-4	NE	NE	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	1.9 U	1.6 U
Bromoform	TRG		75-25-2	NE	NE	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	1.9 U	1.6 U
Bromomethane	TRG		74-83-9	NE	NE	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	1.9 U	1.6 U
Carbon Disulfide	TRG		75-15-0	NE	NE	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	**35**	1.9 U	1.6 U
Carbon Tetrachloride	TRG		56-23-5	760	22000	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	1.9 U	1.6 U
Chlorobenzene	TRG		108-90-7	1100	500000	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	1.9 U	1.6 U
Chloroethane	TRG		75-00-3	NE	NE	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	1.9 U	1.6 U
Chloroform	TRG		67-66-3	370	350000	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	1.9 U	1.6 U
Chloromethane	TRG		74-87-3	NE	NE	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	1.9 U	1.6 U
Cis-1,2-Dichloroethylene	TRG		156-59-2	250	500000	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	1.9 U	1.6 U
Cis-1,3-Dichloropropene	TRG		10061-01-5	NE	NE	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	1.9 U	1.6 U
Cyclohexane	TRG		110-82-7	NE	NE	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	1.9 U	1.6 U
Dibromochloromethane	TRG		124-48-1	NE	NE	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	1.9 U	1.6 U
Dichlorodifluoromethane	TRG		75-71-8	NE	NE	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	1.9 U	1.6 U
Ethylbenzene	TRG		100-41-4	1000	390000	0.95 U	0.91 U	0.93 U	0.96 U	0.96 U	0.89 U	0.96 U	0.92 U	0.94 U	0.97 U	0.99 U	0.96 U	0.8 U
Isopropylbenzene (Cumene)	TRG		98-82-8	NE	NE	0.95 U	26 U	0.93 U	0.96 U	0.96 U	0.89 U	0.96 U	0.92 U	0.94 U	0.97 U	0.99 U	0.96 U	0.8 U
Methyl Acetate	TRG		79-20-9	NE	NE	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	1.9 U	1.6 U
Methyl Ethyl Ketone (2-Butanone)	TRG		78-93-3	120	500000	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	1.9 U	1.6 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	TRG		108-10-1	NE	NE	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	**81**	1.9 U	1.6 U
Methylcyclohexane	TRG		108-87-2	NE	NE	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	1.9 U	1.6 U
Methylene Chloride	TRG		75-09-2	50	500000	36 U	22 U	5.6 U	15 U	33 U	8.2 U	7.7 U	6.9 U	72 U	61 U	62 U	74 U	13 U
M-P-Xylene	TRG		136777-61-2	NE	NE	0.95 U	5.6 U	0.93 U	0.96 U	0.96 U	0.89 U	0.96 U	0.92 U	0.94 U	0.97 U	**1.9**	0.96 U	0.8 U
O-Xylene (1,2-Dimethylbenzene)	TRG		95-47-6	260	500000	0.95 U	33 U	0.93 U	0.96 U	0.96 U	0.89 U	0.96 U	0.92 U	0.94 U	0.97 U	0.99 U	0.96 U	0.8 U
Styrene	TRG		100-42-5	NE	NE	1.9 U	30 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	1.9 U	1.6 U
Tert-Butyl Methyl Ether	TRG		1634-04-4	930	500000	0.95 U	15 U	0.93 U	0.96 U	0.96 U	0.89 U	0.96 U	0.92 U	0.94 U	0.97 U	0.99 U	0.96 U	0.8 U
Tetrachloroethylene (PCE)	TRG		127-18-4	1300	150000	1.9 U	31 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	1.9 U	1.6 U
Toluene	TRG		108-88-3	700	500000	0.95 U	33 U	0.93 U	0.96 U	0.96 U	0.89 U	0.96 U	0.92 U	0.94 U	0.97 U	**1**	0.96 U	0.8 U
Trans-1,2-Dichloroethene	TRG		156-60-5	190	500000	1.9 U	37 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	1.9 U	1.6 U
Trans-1,3-Dichloropropene	TRG		10061-02-6	NE	NE	1.9 U	29 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	1.9 U	1.6 U
Trichloroethylene (TCE)	TRG		79-01-6	470	200000	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	1.9 U	1.6 U
Trichlorofluoromethane	TRG		75-69-4	NE	NE	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	1.9 U	1.6 U
Vinyl Chloride	TRG		75-01-4	20	13000	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	2 U	1.9 U	1.6 U
Xylenes	TRG		1330-20-7	260	500000	0.95 U	0.91 U	0.93 U	0.96 U	0.96 U	0.89 U	0.96 U	0.92 U	0.94 U	0.97 U	**1.9**	0.96 U	0.8 U
Total VOCs	TRG		TVOC	NE	NE	0	0	0	0	0	0	0	0	0	0	**120.8**	0	0

Table 5-2
Summary of Soil Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	LP-11	LP-12	LP-12	LP-12	LP-12	LP-13	LP-13	LP-13	LP-14	LP-14	LP-14	LP-14	LP-15
					Sample Name	LP-11 (5-10)	2015_07_08 Dup	LP-12 (15-17)	LP-12 (20-22)	LP-12 (28-30)	LP-13 (15-17)	LP-13 (20-22)	LP-13 (28-30)	LP-14 (15-17)	LP-14 (20-22)	LP-14 (28-30)	LP-14 (38-40)	LP-15 (15'-17')
					Sample Date	6/29/2015	7/8/2015	7/8/2015	7/8/2015	7/8/2015	6/29/2015	6/29/2015	6/29/2015	7/13/2015	7/13/2015	7/13/2015	7/13/2015	6/22/2015
					Parent Sample		LP-12 (15-17)-5070902											
Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO													
(Cyclopentylmethyl)Cyclohexane	TIC		4431-89-4	NE	NE													
1,1,4,4-Tetramethyl-2,3,4,5,6,7-hexahyd	TIC		85329-77-7	NE	NE													
1,1'-Bicycloheptyl	TIC		23183-11-1	NE	NE													
1,2,3,4-Tetrahydro-2,7-Dimethyl Naphthalene	TIC		13065-07-1	NE	NE													
1,2,3-Trimethyl Benzene	TIC		526-73-8	NE	NE													
1,2,4,5-Tetramethylbenzene	TIC		95-93-2	NE	NE													
1,2,4-Trimethylbenzene	TIC		95-63-6	3600	190000													
1,3,5-Trimethylbenzene (Mesitylene)	TIC		108-67-8	8400	190000													
1,3,6-Octatriene, 3,7-dimethyl-, (Z)-	TIC		3338-55-4	NE	NE													
1,3,7-OCTATRIENE, 3,7-DIMETHYL-	TIC		502-99-8	NE	NE													
1,3-Diethyl Benzene	TIC		141-93-5	NE	NE													
1,3-Diethyl-5-Methylbenzene	TIC		2050-24-0	NE	NE													
1,3-Pentadiene, (Z)-	TIC		504-60-9	NE	NE													
1,4-Diethyl Benzene	TIC		105-05-5	NE	NE													
1-Decanol, 2-ethyl-	TIC		21078-65-9	NE	NE													
1-Ethyl-2,3-Dimethylbenzene	TIC		933-98-2	NE	NE													
1H-Indene, 2,3-Dihydro-4,7-Dimethyl-	TIC		6682-71-9	NE	NE													
1-Methylnaphthalene	TIC		90-12-0	NE	NE													
1-Octanol, 2-butyl-	TIC		2/8/3913	NE	NE													
1-Pentene	TIC		109-67-1	NE	NE													
2,2,5-Trimethyl Hexane	TIC		3522-94-9	NE	NE													
2,2-Dimethylbutane	TIC		75-83-2	NE	NE													
2,3,6-Trimethyl Octane	TIC		62016-33-5	NE	NE													
2,5-Dimethylundecane	TIC		17301-22-3	NE	NE													
2,6-Dimethyl Octane	TIC		2051-30-1	NE	NE													
2,6-Dimethylundecane	TIC		17301-23-4	NE	NE													
2,7,10-Trimethyl Dodecane	TIC		74645-98-0	NE	NE													
2-Ethyl-1,4-Dimethyl Benzene	TIC		1758-88-9	NE	NE													
2-Ethylhexyl Aldehyde	TIC		123-05-7	NE	NE										**9 J**	**4.3 J**		
2-Heptanone	TIC		110-43-0	NE	NE													
2-Methyl Nonane	TIC		871-83-0	NE	NE													
2-Methyl-1,3-Butadiene (Isoprene)	TIC		78-79-5	NE	NE													
3-Carene	TIC		13466-78-9	NE	NE													
3-Ethyl-2-Methyl-Heptane	TIC		14676-29-0	NE	NE													
3-Methyl Decane	TIC		13151-34-3	NE	NE													
4-(2,6,6-Trimethyl-1-Cyclohexen-1-Yl)-3-Buten-2-One	TIC		14901-07-6	NE	NE													
4-Ethyltoluene	TIC		622-96-8	NE	NE													
4-Methyl Decane	TIC		2847-72-5	NE	NE													
4-Methyl Dodecane	TIC		6117-97-1	NE	NE													
4-Methyl-Nonane	TIC		17301-94-9	NE	NE													
5-Octadecene, (E)-	TIC		7206-21-5	NE	NE													
5-Octadecyne	TIC		71899-42-8	NE	NE													
6-Methylpentadecane	TIC		10105-38-1	NE	NE													
6-Methyltetralin	TIC		1680-51-9	NE	NE													
Benzene, 1,3,5-tris(1-methylethyl)-	TIC		717-74-8	NE	NE													
Bornylene	TIC		464-17-5	NE	NE											**4.6 J**		
Camphene	TIC		79-92-5	NE	NE													
Cyclohexane, 1-methyl-4-(1-methylethyl)	TIC		6069-98-3	NE	NE													
Cyclopentane	TIC		287-92-3	NE	NE													
Cyclopentane, (1-methylbutyl)-	TIC		4737-43-3	NE	NE													
Cyclopentane, 1,2-dimethyl-3-(1-methyle	TIC		489-20-3	NE	NE													
Decahydro Naphthalene	TIC		91-17-8	NE	NE													
Decane, 5-ethyl-5-methyl-	TIC		17312-74-2	NE	NE													
Diethyl Ether (Ethyl Ether)	TIC		60-29-7	NE	NE													
Dodecane, 4,6-Dimethyl-	TIC		61141-72-8	NE	NE													
ENDOISOCAMPHANE	TIC		20536-40-7	NE	NE													
Isobutyraldehyde	TIC		78-84-2	NE	NE													
Isopropylbenzene	TIC		00098-82-8	NE	NE													
Limonene	TIC		138-86-3	NE	NE													
M-Cymene	TIC		535-77-3	NE	NE													
Naphthalene	TIC		91-20-3	12000	500000													
N-Butyl Acetate	TIC		123-86-4	NE	NE													

Table 5-2
Summary of Soil Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	LP-11	LP-12	LP-12	LP-12	LP-12	LP-13	LP-13	LP-13	LP-14	LP-14	LP-14	LP-14	LP-15
					Sample Name	LP-11 (5-10)	2015_07_08 Dup	LP-12 (15-17)	LP-12 (20-22)	LP-12 (28-30)	LP-13 (15-17)	LP-13 (20-22)	LP-13 (28-30)	LP-14 (15-17)	LP-14 (20-22)	LP-14 (28-30)	LP-14 (38-40)	LP-15 (15'-17')
					Sample Date	6/29/2015	7/8/2015	7/8/2015	7/8/2015	7/8/2015	6/29/2015	6/29/2015	6/29/2015	7/13/2015	7/13/2015	7/13/2015	7/13/2015	6/22/2015
					Parent Sample		LP-12 (15-17)-5070902											
Analyte	**Result Type**	**Units**	**CAS No.**	**Unrestricted SCO**	**Commercial SCO**													
N-Decane	TIC		124-18-5	NE	NE													
N-Hexane	TIC		110-54-3	NE	NE													
N-Nonane	TIC		111-84-2	NE	NE													
N-Octane	TIC		111-65-9	NE	NE													
N-Propylbenzene	TIC		103-65-1	3900	500000													
N-Undecane	TIC		1120-21-4	NE	NE													
Octamethylcyclotetrasiloxane	TIC		556-67-2	NE	NE													
Squalane	TIC		111-01-3	NE	NE													
Trans-Decahydro-Naphthalene	TIC		493-02-7	NE	NE													
Tricyclo[4.3.1.1(3,8)]undecane-1-carbox	TIC		31083-60-0	NE	NE													
Unknown With 1st Highest Conc.	TIC		UNKNOWN1	NE	NE											**12 J**	**2.9 J**	
Unknown With 2nd Highest Conc.	TIC		UNKNOWN2	NE	NE											**12 J**		
Unknown With 3rd Highest Conc.	TIC		UNKNOWN3	NE	NE													
Unknown With 4th Highest Conc.	TIC		UNKNOWN4	NE	NE													
Unknown With 5th Highest Conc.	TIC		UNKNOWN5	NE	NE													
Unknown With 6th Highest Conc.	TIC		UNKNOWN6	NE	NE													

Table 5-2
Summary of Soil Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	LP-15	LP-15	LP-15	LP-16	LP-16	LP-16	LP-17	LP-17	LP-17	LP-17	LP-18	LP-18	LP-18
					Sample Name	LP-15 (20'-22')	LP-15 (28'-30')	LP-15 (38'-40')	LP-16 (15'-17')	LP-16 (20'-22')	LP-16 (28'-30')	LP-17 (15-17)	LP-17 (20-22)	LP-17 (28-30)	LP-17 (5-10)	LP-18 (15-17)	LP-18 (20-22)	LP-18 (28-30)
					Sample Date	6/22/2015	6/22/2015	6/22/2015	6/23/2015	6/23/2015	6/23/2015	7/8/2015	7/8/2015	7/8/2015	7/8/2015	7/8/2015	7/8/2015	7/8/2015
					Parent Sample													
Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO													
SSO_VOC		ug/kg																
1,1,1-Trichloroethane	TRG		71-55-6	680	500000	1.9 U	2.3 U	2 U	1.8 U	2.4 U	2.2 U	2.1 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
1,1,2,2-Tetrachloroethane	TRG		79-34-5	NE	NE	1.9 U	2.3 U	2 U	1.8 U	2.4 U	2.2 U	2.1 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	TRG		76-13-1	NE	NE	1.9 U	2.3 U	2 U	1.8 U	2.4 U	2.2 U	2.1 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
1,1,2-Trichloroethane	TRG		79-00-5	NE	NE	1.9 U	2.3 U	2 U	1.8 U	2.4 U	2.2 U	2.1 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
1,1-Dichloroethane	TRG		75-34-3	270	240000	1.9 U	2.3 U	2 U	1.8 U	2.4 U	2.2 U	2.1 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
1,1-Dichloroethene	TRG		75-35-4	330	500000	1.9 U	2.3 U	2 U	1.8 U	2.4 U	2.2 U	2.1 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
1,2,3-Trichlorobenzene	TRG		87-61-6	NE	NE	1.9 U	2.3 U	2 U	1.8 U	2.4 U	2.2 U	2.1 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
1,2,4-Trichlorobenzene	TRG		120-82-1	NE	NE	1.9 U	2.3 U	2 U	1.8 U	2.4 U	2.2 U	2.1 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
1,2-Dibromo-3-Chloropropane	TRG		96-12-8	NE	NE	1.9 U	2.3 U	2 U	1.8 U	2.4 U	2.2 U	2.1 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
1,2-Dibromoethane (Ethylene Dibromide)	TRG		106-93-4	NE	NE	1.9 U	2.3 U	2 U	1.8 U	2.4 U	2.2 U	2.1 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
1,2-Dichlorobenzene	TRG		95-50-1	1100	500000	1.9 U	2.3 U	2 U	1.8 U	2.4 U	2.2 U	2.1 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
1,2-Dichloroethane	TRG		107-06-2	20	30000	1.9 U	2.3 U	2 U	1.8 U	2.4 U	2.2 U	2.1 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
1,2-Dichloropropane	TRG		78-87-5	NE	NE	1.9 U	2.3 U	2 U	1.8 U	2.4 U	2.2 U	2.1 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
1,3-Dichlorobenzene	TRG		541-73-1	2400	280000	1.9 U	2.3 U	2 U	1.8 U	2.4 U	2.2 U	2.1 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
1,4-Dichlorobenzene	TRG		106-46-7	1800	130000	1.9 U	2.3 U	2 U	1.8 U	2.4 U	2.2 U	2.1 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
1,4-Dioxane (P-Dioxane)	TRG		123-91-1	100	130000	97 R	120 R	98 R	88 R	120 R	110 R	100 R	93 R	92 R	92 R	97 R	93 R	97 R
2-Hexanone	TRG		591-78-6	NE	NE	1.9 U	2.3 U	2 U	1.8 U	2.4 U	2.2 U	2.1 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
Acetone	TRG		67-64-1	50	500000	34 U	62 U	150 U	8.8 U	12 U	11 U	10 U	9.3 U	9.2 U	9.2 U	9.7 U	9.3 U	9.7 U
Benzene	TRG		71-43-2	60	44000	0.97 U	1.2 U	0.98 U	0.88 U	1.2 U	1.1 U	1 U	0.93 U	0.92 U	0.92 U	0.97 U	0.93 U	0.97 U
Bromochloromethane	TRG		74-97-5	NE	NE	1.9 U	2.3 U	2 U	1.8 U	2.4 U	2.2 U	2.1 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
Bromodichloromethane	TRG		75-27-4	NE	NE	1.9 U	2.3 U	2 U	1.8 U	2.4 U	2.2 U	2.1 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
Bromoform	TRG		75-25-2	NE	NE	1.9 U	2.3 U	2 U	1.8 U	2.4 U	2.2 U	2.1 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
Bromomethane	TRG		74-83-9	NE	NE	1.9 U	2.3 U	2 U	1.8 U	2.4 U	2.2 U	2.1 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
Carbon Disulfide	TRG		75-15-0	NE	NE	1.9 U	2.3 U	**19**	1.8 U	2.4 U	2.2 U	2.1 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
Carbon Tetrachloride	TRG		56-23-5	760	22000	1.9 U	2.3 U	2 U	1.8 U	2.4 U	2.2 U	2.1 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
Chlorobenzene	TRG		108-90-7	1100	500000	1.9 U	2.3 U	2 U	1.8 U	2.4 U	2.2 U	2.1 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
Chloroethane	TRG		75-00-3	NE	NE	1.9 U	2.3 U	2 U	1.8 U	2.4 U	2.2 U	2.1 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
Chloroform	TRG		67-66-3	370	350000	1.9 U	2.3 U	2 U	1.8 U	2.4 U	2.2 U	2.1 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
Chloromethane	TRG		74-87-3	NE	NE	1.9 U	2.3 U	2 U	1.8 U	2.4 U	2.2 U	2.1 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
Cis-1,2-Dichloroethylene	TRG		156-59-2	250	500000	1.9 U	2.3 U	2 U	1.8 U	2.4 U	2.2 U	2.1 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
Cis-1,3-Dichloropropene	TRG		10061-01-5	NE	NE	1.9 U	2.3 U	2 U	1.8 U	2.4 U	2.2 U	2.1 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
Cyclohexane	TRG		110-82-7	NE	NE	1.9 U	2.3 U	2 U	1.8 U	2.4 U	2.2 U	2.1 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
Dibromochloromethane	TRG		124-48-1	NE	NE	1.9 U	2.3 U	2 U	1.8 U	2.4 U	2.2 U	2.1 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
Dichlorodifluoromethane	TRG		75-71-8	NE	NE	1.9 U	2.3 U	2 U	1.8 U	2.4 U	2.2 U	2.1 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
Ethylbenzene	TRG		100-41-4	1000	390000	0.97 U	1.2 U	0.98 U	0.88 U	1.2 U	1.1 U	1 U	0.93 U	0.92 U	0.92 U	0.97 U	0.93 U	0.97 U
Isopropylbenzene (Cumene)	TRG		98-82-8	NE	NE	0.97 U	1.2 U	0.98 U	0.88 U	1.2 U	1.1 U	1 U	0.93 U	0.92 U	0.92 U	0.97 U	0.93 U	0.97 U
Methyl Acetate	TRG		79-20-9	NE	NE	1.9 U	2.3 U	2 U	1.8 U	2.4 U	2.2 U	2.1 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
Methyl Ethyl Ketone (2-Butanone)	TRG		78-93-3	120	500000	1.9 U	2.3 U	2 U	1.8 U	2.4 U	2.2 U	2.1 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	TRG		108-10-1	NE	NE	1.9 U	2.3 U	2 U	1.8 U	2.4 U	2.2 U	2.1 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
Methylcyclohexane	TRG		108-87-2	NE	NE	1.9 U	2.3 U	2 U	1.8 U	2.4 U	2.2 U	2.1 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
Methylene Chloride	TRG		75-09-2	50	500000	15 U	20 U	16 U	11 U	16 U	21 U	30 U	31 U	33 U	37 U	29 U	26 U	26 U
M-P-Xylene	TRG		136777-61-2	NE	NE	0.97 U	1.2 U	0.98 U	0.88 U	1.2 U	1.1 U	1 U	0.93 U	0.92 U	0.92 U	0.97 U	0.93 U	0.97 U
O-Xylene (1,2-Dimethylbenzene)	TRG		95-47-6	260	500000	0.97 U	1.2 U	0.98 U	0.88 U	1.2 U	1.1 U	1 U	0.93 U	0.92 U	0.92 U	0.97 U	0.93 U	0.97 U
Styrene	TRG		100-42-5	NE	NE	1.9 U	2.3 U	2 U	1.8 U	2.4 U	2.2 U	2.1 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
Tert-Butyl Methyl Ether	TRG		1634-04-4	930	500000	0.97 U	1.2 U	0.98 U	0.88 U	1.2 U	1.1 U	1 U	0.93 U	0.92 U	0.92 U	0.97 U	0.93 U	0.97 U
Tetrachloroethylene (PCE)	TRG		127-18-4	1300	150000	1.9 U	2.3 U	2 U	1.8 U	2.4 U	2.2 U	2.1 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
Toluene	TRG		108-88-3	700	500000	0.97 U	1.2 U	0.98 U	0.88 U	1.2 U	1.1 U	1 U	0.93 U	0.92 U	0.92 U	0.97 U	0.93 U	0.97 U
Trans-1,2-Dichloroethene	TRG		156-60-5	190	500000	1.9 U	2.3 U	2 U	1.8 U	2.4 U	2.2 U	2.1 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
Trans-1,3-Dichloropropene	TRG		10061-02-6	NE	NE	1.9 U	2.3 U	2 U	1.8 U	2.4 U	2.2 U	2.1 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
Trichloroethylene (TCE)	TRG		79-01-6	470	200000	1.9 U	2.3 U	2 U	1.8 U	2.4 U	2.2 U	2.1 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
Trichlorofluoromethane	TRG		75-69-4	NE	NE	1.9 U	2.3 U	2 U	1.8 U	2.4 U	2.2 U	2.1 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
Vinyl Chloride	TRG		75-01-4	20	13000	1.9 U	2.3 U	2 U	1.8 U	2.4 U	2.2 U	2.1 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
Xylenes	TRG		1330-20-7	260	500000	0.97 U	1.2 U	0.98 U	0.88 U	1.2 U	1.1 U	1 U	0.93 U	0.92 U	0.92 U	0.97 U	0.93 U	0.97 U
Total VOCs	TRG		TVOC	NE	NE	0	0	**19**	0	0	0	0	0	0	0	0	0	0

Table 5-2
Summary of Soil Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

Location Name						LP-15	LP-15	LP-15	LP-16	LP-16	LP-16	LP-17	LP-17	LP-17	LP-17	LP-18	LP-18	LP-18
Sample Name						LP-15 (20'-22')	LP-15 (28'-30')	LP-15 (38'-40')	LP-16 (15'-17')	LP-16 (20'-22')	LP-16 (28'-30')	LP-17 (15-17)	LP-17 (20-22)	LP-17 (28-30)	LP-17 (5-10)	LP-18 (15-17)	LP-18 (20-22)	LP-18 (28-30)
Sample Date						6/22/2015	6/22/2015	6/22/2015	6/23/2015	6/23/2015	6/23/2015	7/8/2015	7/8/2015	7/8/2015	7/8/2015	7/8/2015	7/8/2015	7/8/2015
Parent Sample																		
Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO													
(Cyclopentylmethyl)Cyclohexane	TIC		4431-89-4	NE	NE													
1,1,4,4-Tetramethyl-2,3,4,5,6,7-hexahyd	TIC		85329-77-7	NE	NE													
1,1'-Bicycloheptyl	TIC		23183-11-1	NE	NE													
1,2,3,4-Tetrahydro-2,7-Dimethyl Naphthalene	TIC		13065-07-1	NE	NE													
1,2,3-Trimethyl Benzene	TIC		526-73-8	NE	NE													
1,2,4,5-Tetramethylbenzene	TIC		95-93-2	NE	NE													
1,2,4-Trimethylbenzene	TIC		95-63-6	3600	190000													
1,3,5-Trimethylbenzene (Mesitylene)	TIC		108-67-8	8400	190000													
1,3,6-Octatriene, 3,7-dimethyl-, (Z)-	TIC		3338-55-4	NE	NE													
1,3,7-OCTATRIENE, 3,7-DIMETHYL-	TIC		502-99-8	NE	NE													
1,3-Diethyl Benzene	TIC		141-93-5	NE	NE													
1,3-Diethyl-5-Methylbenzene	TIC		2050-24-0	NE	NE													
1,3-Pentadiene, (Z)-	TIC		504-60-9	NE	NE													
1,4-Diethyl Benzene	TIC		105-05-5	NE	NE													
1-Decanol, 2-ethyl-	TIC		21078-65-9	NE	NE													
1-Ethyl-2,3-Dimethylbenzene	TIC		933-98-2	NE	NE													
1H-Indene, 2,3-Dihydro-4,7-Dimethyl-	TIC		6682-71-9	NE	NE													
1-Methylnaphthalene	TIC		90-12-0	NE	NE													
1-Octanol, 2-butyl-	TIC		2/8/3913	NE	NE													
1-Pentene	TIC		109-67-1	NE	NE													
2,2,5-Trimethyl Hexane	TIC		3522-94-9	NE	NE													
2,2-Dimethylbutane	TIC		75-83-2	NE	NE													
2,3,6-Trimethyl Octane	TIC		62016-33-5	NE	NE													
2,5-Dimethylundecane	TIC		17301-22-3	NE	NE													
2,6-Dimethyl Octane	TIC		2051-30-1	NE	NE													
2,6-Dimethylundecane	TIC		17301-23-4	NE	NE													
2,7,10-Trimethyl Dodecane	TIC		74645-98-0	NE	NE													
2-Ethyl-1,4-Dimethyl Benzene	TIC		1758-88-9	NE	NE													
2-Ethylhexyl Aldehyde	TIC		123-05-7	NE	NE													
2-Heptanone	TIC		110-43-0	NE	NE													
2-Methyl Nonane	TIC		871-83-0	NE	NE													
2-Methyl-1,3-Butadiene (Isoprene)	TIC		78-79-5	NE	NE													
3-Carene	TIC		13466-78-9	NE	NE													
3-Ethyl-2-Methyl-Heptane	TIC		14676-29-0	NE	NE													
3-Methyl Decane	TIC		13151-34-3	NE	NE													
4-(2,6,6-Trimethyl-1-Cyclohexen-1-Yl)-3-Buten-2-One	TIC		14901-07-6	NE	NE													
4-Ethyltoluene	TIC		622-96-8	NE	NE													
4-Methyl Decane	TIC		2847-72-5	NE	NE													
4-Methyl Dodecane	TIC		6117-97-1	NE	NE													
4-Methyl-Nonane	TIC		17301-94-9	NE	NE													
5-Octadecene, (E)-	TIC		7206-21-5	NE	NE													
5-Octadecyne	TIC		71899-42-8	NE	NE													
6-Methylpentadecane	TIC		10105-38-1	NE	NE													
6-Methyltetralin	TIC		1680-51-9	NE	NE													
Benzene, 1,3,5-tris(1-methylethyl)-	TIC		717-74-8	NE	NE													
Bornylene	TIC		464-17-5	NE	NE													
Camphene	TIC		79-92-5	NE	NE													
Cyclohexane, 1-methyl-4-(1-methylethyl)	TIC		6069-98-3	NE	NE													
Cyclopentane	TIC		287-92-3	NE	NE													
Cyclopentane, (1-methylbutyl)-	TIC		4737-43-3	NE	NE													
Cyclopentane, 1,2-dimethyl-3-(1-methyle	TIC		489-20-3	NE	NE													
Decahydro Naphthalene	TIC		91-17-8	NE	NE													
Decane, 5-ethyl-5-methyl-	TIC		17312-74-2	NE	NE													
Diethyl Ether (Ethyl Ether)	TIC		60-29-7	NE	NE													
Dodecane, 4,6-Dimethyl-	TIC		61141-72-8	NE	NE													
ENDOISOCAMPHANE	TIC		20536-40-7	NE	NE													
Isobutyraldehyde	TIC		78-84-2	NE	NE													
Isopropylbenzene	TIC		00098-82-8	NE	NE													
Limonene	TIC		138-86-3	NE	NE													
M-Cymene	TIC		535-77-3	NE	NE													
Naphthalene	TIC		91-20-3	12000	500000													
N-Butyl Acetate	TIC		123-86-4	NE	NE													

Table 5-2
Summary of Soil Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	LP-15	LP-15	LP-15	LP-16	LP-16	LP-16	LP-17	LP-17	LP-17	LP-17	LP-18	LP-18	LP-18
					Sample Name	LP-15 (20'-22')	LP-15 (28'-30')	LP-15 (38'-40')	LP-16 (15'-17')	LP-16 (20'-22')	LP-16 (28'-30')	LP-17 (15-17)	LP-17 (20-22)	LP-17 (28-30)	LP-17 (5-10)	LP-18 (15-17)	LP-18 (20-22)	LP-18 (28-30)
					Sample Date	6/22/2015	6/22/2015	6/22/2015	6/23/2015	6/23/2015	6/23/2015	7/8/2015	7/8/2015	7/8/2015	7/8/2015	7/8/2015	7/8/2015	7/8/2015
					Parent Sample													
Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO													
N-Decane	TIC		124-18-5	NE	NE													
N-Hexane	TIC		110-54-3	NE	NE													
N-Nonane	TIC		111-84-2	NE	NE													
N-Octane	TIC		111-65-9	NE	NE													
N-Propylbenzene	TIC		103-65-1	3900	500000													
N-Undecane	TIC		1120-21-4	NE	NE													
Octamethylcyclotetrasiloxane	TIC		556-67-2	NE	NE													
Squalane	TIC		111-01-3	NE	NE													
Trans-Decahydro-Naphthalene	TIC		493-02-7	NE	NE													
Tricyclo[4.3.1.1(3,8)]undecane-1-carbox	TIC		31083-60-0	NE	NE													
Unknown With 1st Highest Conc.	TIC		UNKNOWN1	NE	NE													
Unknown With 2nd Highest Conc.	TIC		UNKNOWN2	NE	NE													
Unknown With 3rd Highest Conc.	TIC		UNKNOWN3	NE	NE													
Unknown With 4th Highest Conc.	TIC		UNKNOWN4	NE	NE													
Unknown With 5th Highest Conc.	TIC		UNKNOWN5	NE	NE													
Unknown With 6th Highest Conc.	TIC		UNKNOWN6	NE	NE													

Table 5-2
Summary of Soil Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	LP-18	LP-19	LP-19	LP-19	LP-19	LP-19	LP-20	LP-20	LP-20	LP-21	LP-21	LP-21	LP-22
					Sample Name	LP-18 (5-10)	LP-19 (10'-11')	LP-19 (10-15)	LP-19 (15-17)	LP-19 (20-22)	LP-19 (28-30)	LP-20 (15-17)	LP-20 (25-27)	LP-20 (30-32)	LP-21 (15-17)	LP-21 (20-22)	LP-21 (28-30)	2015_06_29
					Sample Date	7/8/2015	6/25/2015	7/9/2015	7/9/2015	7/9/2015	7/9/2015	7/7/2015	7/7/2015	7/7/2015	6/29/2015	6/29/2015	6/29/2015	6/29/2015
					Parent Sample													LP-22 (15-17)-5063003
Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO													
SSO_VOC		ug/kg																
1,1,1-Trichloroethane	TRG		71-55-6	680	500000	**2**	**3300**	**22**	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.7 U	1.5 U	2 U	1.9 U	2.1 U
1,1,2,2-Tetrachloroethane	TRG		79-34-5	NE	NE	2 U	160 U	2 UJ	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.7 U	1.5 U	2 U	1.9 U	2.1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	TRG		76-13-1	NE	NE	2 U	160 U	2 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.7 U	1.5 U	2 U	1.9 U	2.1 U
1,1,2-Trichloroethane	TRG		79-00-5	NE	NE	2 U	160 U	2 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.7 U	1.5 U	2 U	1.9 U	2.1 U
1,1-Dichloroethane	TRG		75-34-3	270	240000	2 U	**250**	**2.7**	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.7 U	1.5 U	2 U	1.9 U	2.1 U
1,1-Dichloroethene	TRG		75-35-4	330	500000	2 U	160 U	2 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.7 U	1.5 U	2 U	1.9 U	2.1 U
1,2,3-Trichlorobenzene	TRG		87-61-6	NE	NE	2 U	160 U	2 UJ	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.7 U	1.5 U	2 U	1.9 U	2.1 U
1,2,4-Trichlorobenzene	TRG		120-82-1	NE	NE	2 U	160 U	2 UJ	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.7 U	1.5 U	2 U	1.9 U	2.1 U
1,2-Dibromo-3-Chloropropane	TRG		96-12-8	NE	NE	2 U	160 U	2 UJ	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.7 U	1.5 U	2 U	1.9 U	2.1 U
1,2-Dibromoethane (Ethylene Dibromide)	TRG		106-93-4	NE	NE	2 U	160 UJ	2 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.7 U	1.5 U	2 U	1.9 U	2.1 U
1,2-Dichlorobenzene	TRG		95-50-1	1100	500000	2 U	160 U	2 UJ	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.7 U	1.5 U	2 U	1.9 U	2.1 U
1,2-Dichloroethane	TRG		107-06-2	20	30000	2 U	82 U	2 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.7 U	1.5 U	2 U	1.9 U	2.1 U
1,2-Dichloropropane	TRG		78-87-5	NE	NE	2 U	160 U	2 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.7 U	1.5 U	2 U	1.9 U	2.1 U
1,3-Dichlorobenzene	TRG		541-73-1	2400	280000	2 U	160 U	2 UJ	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.7 U	1.5 U	2 U	1.9 U	2.1 U
1,4-Dichlorobenzene	TRG		106-46-7	1800	130000	2 U	160 U	2 UJ	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.7 U	1.5 U	2 U	1.9 U	2.1 U
1,4-Dioxane (P-Dioxane)	TRG		123-91-1	100	130000	99 R	8200 R	98 R	97 R	94 R	95 R	91 R	96 R	87 R	73 R	100 R	95 R	100 R
2-Hexanone	TRG		591-78-6	NE	NE	2 U	160 U	2 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.7 U	1.5 U	2 U	1.9 U	2.1 U
Acetone	TRG		67-64-1	50	500000	9.9 U	820 U	9.8 U	47 U	26 U	40 U	9.1 U	9.6 U	8.7 U	**730**	64 U	9.5 U	100 U
Benzene	TRG		71-43-2	60	44000	0.99 U	82 U	0.98 U	0.97 U	0.94 U	0.95 U	0.91 U	0.96 U	0.87 U	0.73 U	1 U	0.95 U	1 U
Bromochloromethane	TRG		74-97-5	NE	NE	2 U	160 U	2 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.7 U	1.5 U	2 U	1.9 U	2.1 U
Bromodichloromethane	TRG		75-27-4	NE	NE	2 U	160 U	2 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.7 U	1.5 U	2 U	1.9 U	2.1 U
Bromoform	TRG		75-25-2	NE	NE	2 U	160 U	2 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.7 U	1.5 U	2 U	1.9 U	2.1 U
Bromomethane	TRG		74-83-9	NE	NE	2 U	160 U	2 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.7 U	1.5 U	2 U	1.9 U	2.1 U
Carbon Disulfide	TRG		75-15-0	NE	NE	2 U	160 U	2 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.7 U	1.5 U	2 U	1.9 U	2.1 U
Carbon Tetrachloride	TRG		56-23-5	760	22000	2 U	160 U	2 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.7 U	1.5 U	2 U	1.9 U	2.1 U
Chlorobenzene	TRG		108-90-7	1100	500000	2 U	160 U	2 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.7 U	1.5 U	2 U	1.9 U	2.1 U
Chloroethane	TRG		75-00-3	NE	NE	2 U	160 U	2 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.7 U	1.5 U	2 U	1.9 U	2.1 U
Chloroform	TRG		67-66-3	370	350000	2 U	160 U	2 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.7 U	1.5 U	2 U	1.9 U	2.1 U
Chloromethane	TRG		74-87-3	NE	NE	2 U	160 U	2 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.7 U	1.5 U	2 U	1.9 U	2.1 U
Cis-1,2-Dichloroethylene	TRG		156-59-2	250	500000	2 U	160 U	2 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.7 U	1.5 U	2 U	1.9 U	2.1 U
Cis-1,3-Dichloropropene	TRG		10061-01-5	NE	NE	2 U	160 U	2 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.7 U	1.5 U	2 U	1.9 U	2.1 U
Cyclohexane	TRG		110-82-7	NE	NE	2 U	160 U	2 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.7 U	1.5 U	2 U	1.9 U	2.1 U
Dibromochloromethane	TRG		124-48-1	NE	NE	2 U	160 U	2 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.7 U	1.5 U	2 U	1.9 U	2.1 U
Dichlorodifluoromethane	TRG		75-71-8	NE	NE	2 U	160 UJ	2 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.7 U	1.5 U	2 U	1.9 U	2.1 U
Ethylbenzene	TRG		100-41-4	1000	390000	0.99 U	160 U	0.98 U	0.97 U	0.94 U	0.95 U	0.91 U	0.96 U	0.87 U	0.73 U	1 U	0.95 U	1 U
Isopropylbenzene (Cumene)	TRG		98-82-8	NE	NE	0.99 U	160 U	0.98 UJ	0.97 U	0.94 U	0.95 U	0.91 U	0.96 U	0.87 U	0.73 U	1 U	0.95 U	1 U
Methyl Acetate	TRG		79-20-9	NE	NE	2 U	160 U	**56**	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.7 U	1.5 U	2 U	1.9 U	2.1 U
Methyl Ethyl Ketone (2-Butanone)	TRG		78-93-3	120	500000	2 U	160 U	2 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.7 U	1.5 U	2 U	1.9 U	2.1 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	TRG		108-10-1	NE	NE	2 U	160 U	2 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.7 U	**9.9**	2 U	1.9 U	2.1 U
Methylcyclohexane	TRG		108-87-2	NE	NE	2 U	160 U	2 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.7 U	1.5 U	2 U	1.9 U	2.1 U
Methylene Chloride	TRG		75-09-2	50	500000	34 U	160 U	70 U	35 U	29 U	29 U	1.8 U	1.9 U	1.7 U	45 U	77 U	54 U	78 U
M-P-Xylene	TRG		136777-61-2	NE	NE	0.99 U	160 U	0.98 U	0.97 U	0.94 U	0.95 U	0.91 U	0.96 U	0.87 U	0.73 U	1 U	0.95 U	1 U
O-Xylene (1,2-Dimethylbenzene)	TRG		95-47-6	260	500000	0.99 U	160 U	0.98 U	0.97 U	0.94 U	0.95 U	0.91 U	0.96 U	0.87 U	0.73 U	1 U	0.95 U	1 U
Styrene	TRG		100-42-5	NE	NE	2 U	160 U	2 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.7 U	1.5 U	2 U	1.9 U	2.1 U
Tert-Butyl Methyl Ether	TRG		1634-04-4	930	500000	0.99 U	82 U	0.98 U	0.97 U	0.94 U	0.95 U	0.91 U	0.96 U	0.87 U	0.73 U	1 U	0.95 U	1 U
Tetrachloroethylene (PCE)	TRG		127-18-4	1300	150000	2 U	160 U	2 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.7 U	1.5 U	2 U	1.9 U	2.1 U
Toluene	TRG		108-88-3	700	500000	0.99 U	160 U	0.98 U	0.97 U	0.94 U	0.95 U	0.91 U	0.96 U	0.87 U	0.73 U	1 U	0.95 U	1 U
Trans-1,2-Dichloroethene	TRG		156-60-5	190	500000	2 U	160 U	2 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.7 U	1.5 U	2 U	1.9 U	2.1 U
Trans-1,3-Dichloropropene	TRG		10061-02-6	NE	NE	2 U	160 U	2 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.7 U	1.5 U	2 U	1.9 U	2.1 U
Trichloroethylene (TCE)	TRG		79-01-6	470	200000	2 U	**760**	**27**	1.9 U	1.9 U	1.9 U	**2.6**	1.9 U	1.7 U	1.5 U	2 U	1.9 U	2.1 U
Trichlorofluoromethane	TRG		75-69-4	NE	NE	2 U	160 U	2 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.7 U	1.5 U	2 U	1.9 U	2.1 U
Vinyl Chloride	TRG		75-01-4	20	13000	2 U	160 U	2 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.7 U	1.5 U	2 U	1.9 U	2.1 U
Xylenes	TRG		1330-20-7	260	500000	0.99 U	160 U	0.98 U	0.97 U	0.94 U	0.95 U	0.91 U	0.96 U	0.87 U	0.73 U	1 U	0.95 U	1 U
Total VOCs	TRG		TVOC	NE	NE	**2**	**4310**	**107.7**	0	0	0	**2.6**	0	0	**739.9**	0	0	0

Table 5-2
Summary of Soil Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO	Location Name Sample Name Sample Date Parent Sample	LP-18 LP-18 (5-10) 7/8/2015	LP-19 LP-19 (10'-11') 6/25/2015	LP-19 LP-19 (10-15) 7/9/2015	LP-19 LP-19 (15-17) 7/9/2015	LP-19 LP-19 (20-22) 7/9/2015	LP-19 LP-19 (28-30) 7/9/2015	LP-20 LP-20 (15-17) 7/7/2015	LP-20 LP-20 (25-27) 7/7/2015	LP-20 LP-20 (30-32) 7/7/2015	LP-21 LP-21 (15-17) 6/29/2015	LP-21 LP-21 (20-22) 6/29/2015	LP-21 LP-21 (28-30) 6/29/2015	LP-22 2015_06_29 6/29/2015 LP-22 (15-17)-5063003
(Cyclopentylmethyl)Cyclohexane	TIC		4431-89-4	NE	NE														
1,1,4,4-Tetramethyl-2,3,4,5,6,7-hexahyd	TIC		85329-77-7	NE	NE			**1300 NJ**											
1,1'-Bicycloheptyl	TIC		23183-11-1	NE	NE														
1,2,3,4-Tetrahydro-2,7-Dimethyl Naphthalene	TIC		13065-07-1	NE	NE														
1,2,3-Trimethyl Benzene	TIC		526-73-8	NE	NE														
1,2,4,5-Tetramethylbenzene	TIC		95-93-2	NE	NE														
1,2,4-Trimethylbenzene	TIC		95-63-6	3600	190000														
1,3,5-Trimethylbenzene (Mesitylene)	TIC		108-67-8	8400	190000														
1,3,6-Octatriene, 3,7-dimethyl-, (Z)-	TIC		3338-55-4	NE	NE														
1,3,7-OCTATRIENE, 3,7-DIMETHYL-	TIC		502-99-8	NE	NE														
1,3-Diethyl Benzene	TIC		141-93-5	NE	NE														
1,3-Diethyl-5-Methylbenzene	TIC		2050-24-0	NE	NE														
1,3-Pentadiene, (Z)-	TIC		504-60-9	NE	NE											**20 NJ**			
1,4-Diethyl Benzene	TIC		105-05-5	NE	NE														
1-Decanol, 2-ethyl-	TIC		21078-65-9	NE	NE														
1-Ethyl-2,3-Dimethylbenzene	TIC		933-98-2	NE	NE														
1H-Indene, 2,3-Dihydro-4,7-Dimethyl-	TIC		6682-71-9	NE	NE														
1-Methylnaphthalene	TIC		90-12-0	NE	NE														
1-Octanol, 2-butyl-	TIC		2/8/3913	NE	NE														
1-Pentene	TIC		109-67-1	NE	NE														
2,2,5-Trimethyl Hexane	TIC		3522-94-9	NE	NE				**320 J**										
2,2-Dimethylbutane	TIC		75-83-2	NE	NE														
2,3,6-Trimethyl Octane	TIC		62016-33-5	NE	NE														
2,5-Dimethylundecane	TIC		17301-22-3	NE	NE				**240 J**										
2,6-Dimethyl Octane	TIC		2051-30-1	NE	NE														
2,6-Dimethylundecane	TIC		17301-23-4	NE	NE														
2,7,10-Trimethyl Dodecane	TIC		74645-98-0	NE	NE				**330 J**										
2-Ethyl-1,4-Dimethyl Benzene	TIC		1758-88-9	NE	NE														
2-Ethylhexyl Aldehyde	TIC		123-05-7	NE	NE														
2-Heptanone	TIC		110-43-0	NE	NE														
2-Methyl Nonane	TIC		871-83-0	NE	NE														
2-Methyl-1,3-Butadiene (Isoprene)	TIC		78-79-5	NE	NE														
3-Carene	TIC		13466-78-9	NE	NE														
3-Ethyl-2-Methyl-Heptane	TIC		14676-29-0	NE	NE														
3-Methyl Decane	TIC		13151-34-3	NE	NE														
4-(2,6,6-Trimethyl-1-Cyclohexen-1-Yl)-3-Buten-2-One	TIC		14901-07-6	NE	NE			**2200 NJ**											
4-Ethyltoluene	TIC		622-96-8	NE	NE														
4-Methyl Decane	TIC		2847-72-5	NE	NE														
4-Methyl Dodecane	TIC		6117-97-1	NE	NE														
4-Methyl-Nonane	TIC		17301-94-9	NE	NE														
5-Octadecene, (E)-	TIC		7206-21-5	NE	NE														
5-Octadecyne	TIC		71899-42-8	NE	NE														
6-Methylpentadecane	TIC		10105-38-1	NE	NE				**310 J**										
6-Methyltetralin	TIC		1680-51-9	NE	NE														
Benzene, 1,3,5-tris(1-methylethyl)-	TIC		717-74-8	NE	NE			**2300 NJ**											
Bornylene	TIC		464-17-5	NE	NE														
Camphene	TIC		79-92-5	NE	NE														
Cyclohexane, 1-methyl-4-(1-methylethyl)	TIC		6069-98-3	NE	NE														
Cyclopentane	TIC		287-92-3	NE	NE														
Cyclopentane, (1-methylbutyl)-	TIC		4737-43-3	NE	NE														
Cyclopentane, 1,2-dimethyl-3-(1-methyle	TIC		489-20-3	NE	NE														
Decahydro Naphthalene	TIC		91-17-8	NE	NE														
Decane, 5-ethyl-5-methyl-	TIC		17312-74-2	NE	NE				**1200 J**										
Diethyl Ether (Ethyl Ether)	TIC		60-29-7	NE	NE												**4.5 NJ**		**9.5 NJ**
Dodecane, 4,6-Dimethyl-	TIC		61141-72-8	NE	NE				**370 J**										
ENDOISOCAMPHANE	TIC		20536-40-7	NE	NE														
Isobutyraldehyde	TIC		78-84-2	NE	NE														
Isopropylbenzene	TIC		00098-82-8	NE	NE														
Limonene	TIC		138-86-3	NE	NE											**3.2 NJ**			
M-Cymene	TIC		535-77-3	NE	NE														
Naphthalene	TIC		91-20-3	12000	500000														
N-Butyl Acetate	TIC		123-86-4	NE	NE														

Table 5-2
Summary of Soil Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	LP-18	LP-19	LP-19	LP-19	LP-19	LP-19	LP-20	LP-20	LP-20	LP-21	LP-21	LP-21	LP-22
					Sample Name	LP-18 (5-10)	LP-19 (10'-11')	LP-19 (10-15)	LP-19 (15-17)	LP-19 (20-22)	LP-19 (28-30)	LP-20 (15-17)	LP-20 (25-27)	LP-20 (30-32)	LP-21 (15-17)	LP-21 (20-22)	LP-21 (28-30)	2015_06_29
					Sample Date	7/8/2015	6/25/2015	7/9/2015	7/9/2015	7/9/2015	7/9/2015	7/7/2015	7/7/2015	7/7/2015	6/29/2015	6/29/2015	6/29/2015	6/29/2015
					Parent Sample													LP-22 (15-17)-5063003
Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO													
N-Decane	TIC		124-18-5	NE	NE													
N-Hexane	TIC		110-54-3	NE	NE													
N-Nonane	TIC		111-84-2	NE	NE													
N-Octane	TIC		111-65-9	NE	NE													
N-Propylbenzene	TIC		103-65-1	3900	500000													
N-Undecane	TIC		1120-21-4	NE	NE													
Octamethylcyclotetrasiloxane	TIC		556-67-2	NE	NE													
Squalane	TIC		111-01-3	NE	NE													
Trans-Decahydro-Naphthalene	TIC		493-02-7	NE	NE													
Tricyclo[4.3.1.1(3,8)]undecane-1-carbox	TIC		31083-60-0	NE	NE		**1200 NJ**											
Unknown With 1st Highest Conc.	TIC		UNKNOWN1	NE	NE		**1200 J**	**290 J**						**7 J**	**2.5 J**			
Unknown With 2nd Highest Conc.	TIC		UNKNOWN2	NE	NE		**1800 J**	**350 J**							**2.5 J**			
Unknown With 3rd Highest Conc.	TIC		UNKNOWN3	NE	NE		**550 J**	**390 J**										
Unknown With 4th Highest Conc.	TIC		UNKNOWN4	NE	NE		**660 J**	**580 J**										
Unknown With 5th Highest Conc.	TIC		UNKNOWN5	NE	NE		**770 J**											
Unknown With 6th Highest Conc.	TIC		UNKNOWN6	NE	NE		**860 J**											

Table 5-2
Summary of Soil Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name Sample Name Sample Date Parent Sample	LP-22 LP-22 (15-17) 6/29/2015	LP-22 LP-22 (20-22) 6/29/2015	LP-22 LP-22 (28-30) 6/29/2015	LP-25 LP-25 (15-17) 6/30/2015	LP-25 LP-25 (20-22) 6/30/2015	LP-25 LP-25 (28-30) 6/30/2015	LP-25 LP-25 (5-10) 6/30/2015	LP-26 2015_06_30_DUP 6/30/2015 LP-26 (28-30)-5070107	LP-26 LP-26 (15-17) 6/30/2015	LP-26 LP-26 (20-22) 6/30/2015	LP-26 LP-26 (28-30) 6/30/2015	MW-01 2015-07-03 DUP 7/13/2015 MW-1 (28-30)-5071405
Analyte	**Result Type**	**Units**	**CAS No.**	**Unrestricted SCO**	**Commercial SCO**												
SSO_VOC		ug/kg															
1,1,1-Trichloroethane	TRG		71-55-6	680	500000	1.9 U	2.1 U	2.1 U	1.7 U	2.3 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2 U
1,1,2,2-Tetrachloroethane	TRG		79-34-5	NE	NE	1.9 U	2.1 U	2.1 U	1.7 U	2.3 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	TRG		76-13-1	NE	NE	1.9 U	2.1 U	2.1 U	1.7 U	2.3 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2 U
1,1,2-Trichloroethane	TRG		79-00-5	NE	NE	1.9 U	2.1 U	2.1 U	1.7 U	2.3 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2 U
1,1-Dichloroethane	TRG		75-34-3	270	240000	1.9 U	2.1 U	2.1 U	1.7 U	2.3 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2 U
1,1-Dichloroethene	TRG		75-35-4	330	500000	1.9 U	2.1 U	2.1 U	1.7 U	2.3 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2 U
1,2,3-Trichlorobenzene	TRG		87-61-6	NE	NE	1.9 U	2.1 U	2.1 U	1.7 UJ	2.3 UJ	1.9 UJ	1.9 UJ	2 UJ	1.9 UJ	1.9 UJ	1.9 UJ	2 U
1,2,4-Trichlorobenzene	TRG		120-82-1	NE	NE	1.9 U	2.1 U	2.1 U	1.7 U	2.3 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2 U
1,2-Dibromo-3-Chloropropane	TRG		96-12-8	NE	NE	1.9 U	2.1 U	2.1 U	1.7 U	2.3 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2 U
1,2-Dibromoethane (Ethylene Dibromide)	TRG		106-93-4	NE	NE	1.9 U	2.1 U	2.1 U	1.7 U	2.3 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2 U
1,2-Dichlorobenzene	TRG		95-50-1	1100	500000	1.9 U	2.1 U	2.1 U	1.7 U	2.3 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2 U
1,2-Dichloroethane	TRG		107-06-2	20	30000	1.9 U	2.1 U	2.1 U	0.86 U	1.1 U	0.93 U	0.97 U	1 U	0.96 U	0.95 U	0.93 U	2 U
1,2-Dichloropropane	TRG		78-87-5	NE	NE	1.9 U	2.1 U	2.1 U	1.7 U	2.3 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2 U
1,3-Dichlorobenzene	TRG		541-73-1	2400	280000	1.9 U	2.1 U	2.1 U	1.7 U	2.3 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2 U
1,4-Dichlorobenzene	TRG		106-46-7	1800	130000	1.9 U	2.1 U	2.1 U	1.7 U	2.3 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2 U
1,4-Dioxane (P-Dioxane)	TRG		123-91-1	100	130000	97 R	100 R	110 R	86 R	110 R	93 R	97 R	100 R	96 R	95 R	93 R	99 R
2-Hexanone	TRG		591-78-6	NE	NE	1.9 U	2.1 U	2.1 U	1.7 U	2.3 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2 U
Acetone	TRG		67-64-1	50	500000	36 U	41 U	11 U	8.6 U	11 U	9.3 U	9.7 U	10 U	9.6 U	9.5 U	9.3 U	61 U
Benzene	TRG		71-43-2	60	44000	0.97 U	1 U	1.1 U	0.86 U	1.1 U	0.93 U	0.97 U	1 U	0.96 U	0.95 U	0.93 U	0.99 U
Bromochloromethane	TRG		74-97-5	NE	NE	1.9 U	2.1 U	2.1 U	1.7 U	2.3 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2 U
Bromodichloromethane	TRG		75-27-4	NE	NE	1.9 U	2.1 U	2.1 U	1.7 U	2.3 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2 U
Bromoform	TRG		75-25-2	NE	NE	1.9 U	2.1 U	2.1 U	1.7 U	2.3 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2 U
Bromomethane	TRG		74-83-9	NE	NE	1.9 U	2.1 U	2.1 U	1.7 U	2.3 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2 U
Carbon Disulfide	TRG		75-15-0	NE	NE	1.9 U	2.1 U	2.1 U	1.7 U	2.3 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2 U
Carbon Tetrachloride	TRG		56-23-5	760	22000	1.9 U	2.1 U	2.1 U	1.7 U	2.3 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2 U
Chlorobenzene	TRG		108-90-7	1100	500000	1.9 U	2.1 U	2.1 U	1.7 U	2.3 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2 U
Chloroethane	TRG		75-00-3	NE	NE	1.9 U	2.1 U	2.1 U	1.7 U	2.3 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2 U
Chloroform	TRG		67-66-3	370	350000	1.9 U	2.1 U	2.1 U	1.7 U	2.3 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2 U
Chloromethane	TRG		74-87-3	NE	NE	1.9 U	2.1 U	2.1 U	1.7 U	2.3 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2 U
Cis-1,2-Dichloroethylene	TRG		156-59-2	250	500000	1.9 U	2.1 U	2.1 U	1.7 U	2.3 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2 U
Cis-1,3-Dichloropropene	TRG		10061-01-5	NE	NE	1.9 U	2.1 U	2.1 U	1.7 U	2.3 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2 U
Cyclohexane	TRG		110-82-7	NE	NE	1.9 U	2.1 U	2.1 U	1.7 U	2.3 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2 U
Dibromochloromethane	TRG		124-48-1	NE	NE	1.9 U	2.1 U	2.1 U	1.7 U	2.3 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2 U
Dichlorodifluoromethane	TRG		75-71-8	NE	NE	1.9 U	2.1 U	2.1 U	1.7 U	2.3 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2 U
Ethylbenzene	TRG		100-41-4	1000	390000	0.97 U	1 U	1.1 U	0.86 U	1.1 U	0.93 U	0.97 U	1 U	0.96 U	0.95 U	0.93 U	0.99 U
Isopropylbenzene (Cumene)	TRG		98-82-8	NE	NE	0.97 U	1 U	1.1 U	0.86 U	1.1 U	0.93 U	0.97 U	1 U	0.96 U	0.95 U	0.93 U	0.99 U
Methyl Acetate	TRG		79-20-9	NE	NE	1.9 U	2.1 U	2.1 U	1.7 U	2.3 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2 U
Methyl Ethyl Ketone (2-Butanone)	TRG		78-93-3	120	500000	1.9 U	2.1 U	2.1 U	1.7 U	2.3 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	TRG		108-10-1	NE	NE	1.9 U	2.1 U	2.1 U	1.7 U	2.3 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2 U
Methylcyclohexane	TRG		108-87-2	NE	NE	1.9 U	2.1 U	2.1 U	1.7 U	2.3 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2 U
Methylene Chloride	TRG		75-09-2	50	500000	17 U	82 U	42 U	3.7 U	8.3 U	8.2 U	5.7 U	6.8 U	5.3 U	4.7 U	6.8 U	64 U
M-P-Xylene	TRG		136777-61-2	NE	NE	0.97 U	1 U	1.1 U	0.86 U	1.1 U	0.93 U	0.97 U	1 U	0.96 U	0.95 U	0.93 U	0.99 U
O-Xylene (1,2-Dimethylbenzene)	TRG		95-47-6	260	500000	0.97 U	1 U	1.1 U	0.86 U	1.1 U	0.93 U	0.97 U	1 U	0.96 U	0.95 U	0.93 U	0.99 U
Styrene	TRG		100-42-5	NE	NE	1.9 U	2.1 U	2.1 U	1.7 U	2.3 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2 U
Tert-Butyl Methyl Ether	TRG		1634-04-4	930	500000	0.97 U	1 U	1.1 U	0.86 U	1.1 U	0.93 U	0.97 U	1 U	0.96 U	0.95 U	0.93 U	0.99 U
Tetrachloroethylene (PCE)	TRG		127-18-4	1300	150000	1.9 U	2.1 U	2.1 U	1.7 U	2.3 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2 U
Toluene	TRG		108-88-3	700	500000	0.97 U	1 U	1.1 U	0.86 U	1.1 U	0.93 U	0.97 U	1 U	0.96 U	0.95 U	0.93 U	0.99 U
Trans-1,2-Dichloroethene	TRG		156-60-5	190	500000	1.9 U	2.1 U	2.1 U	1.7 U	2.3 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2 U
Trans-1,3-Dichloropropene	TRG		10061-02-6	NE	NE	1.9 U	2.1 U	2.1 U	1.7 U	2.3 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2 U
Trichloroethylene (TCE)	TRG		79-01-6	470	200000	1.9 U	2.1 U	2.1 U	1.7 U	2.3 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2 U
Trichlorofluoromethane	TRG		75-69-4	NE	NE	1.9 U	2.1 U	2.1 U	1.7 U	2.3 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2 U
Vinyl Chloride	TRG		75-01-4	20	13000	1.9 U	2.1 U	2.1 U	1.7 U	2.3 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2 U
Xylenes	TRG		1330-20-7	260	500000	0.97 U	1 U	1.1 U	0.86 U	1.1 U	0.93 U	0.97 U	1 U	0.96 U	0.95 U	0.93 U	0.99 U
Total VOCs	TRG		TVOC	NE	NE	0	0	0	0	0	0	0	0	0	0	0	0

Table 5-2
Summary of Soil Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	LP-22	LP-22	LP-22	LP-25	LP-25	LP-25	LP-25	LP-26	LP-26	LP-26	LP-26	MW-01
					Sample Name	LP-22 (15-17)	LP-22 (20-22)	LP-22 (28-30)	LP-25 (15-17)	LP-25 (20-22)	LP-25 (28-30)	LP-25 (5-10)	2015_06_30_DUP	LP-26 (15-17)	LP-26 (20-22)	LP-26 (28-30)	2015-07-03 DUP
					Sample Date	6/29/2015	6/29/2015	6/29/2015	6/30/2015	6/30/2015	6/30/2015	6/30/2015	6/30/2015	6/30/2015	6/30/2015	6/30/2015	7/13/2015
					Parent Sample								LP-26 (28-30)-5070107				MW-1 (28-30)-5071405
Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO												
(Cyclopentylmethyl)Cyclohexane	TIC		4431-89-4	NE	NE												
1,1,4,4-Tetramethyl-2,3,4,5,6,7-hexahyd	TIC		85329-77-7	NE	NE												
1,1'-Bicycloheptyl	TIC		23183-11-1	NE	NE												
1,2,3,4-Tetrahydro-2,7-Dimethyl Naphthalene	TIC		13065-07-1	NE	NE												
1,2,3-Trimethyl Benzene	TIC		526-73-8	NE	NE												
1,2,4,5-Tetramethylbenzene	TIC		95-93-2	NE	NE												
1,2,4-Trimethylbenzene	TIC		95-63-6	3600	190000												
1,3,5-Trimethylbenzene (Mesitylene)	TIC		108-67-8	8400	190000												
1,3,6-Octatriene, 3,7-dimethyl-, (Z)-	TIC		3338-55-4	NE	NE												
1,3,7-OCTATRIENE, 3,7-DIMETHYL-	TIC		502-99-8	NE	NE												
1,3-Diethyl Benzene	TIC		141-93-5	NE	NE												
1,3-Diethyl-5-Methylbenzene	TIC		2050-24-0	NE	NE												
1,3-Pentadiene, (Z)-	TIC		504-60-9	NE	NE												
1,4-Diethyl Benzene	TIC		105-05-5	NE	NE												
1-Decanol, 2-ethyl-	TIC		21078-65-9	NE	NE												
1-Ethyl-2,3-Dimethylbenzene	TIC		933-98-2	NE	NE												
1H-Indene, 2,3-Dihydro-4,7-Dimethyl-	TIC		6682-71-9	NE	NE												
1-Methylnaphthalene	TIC		90-12-0	NE	NE												
1-Octanol, 2-butyl-	TIC		2/8/3913	NE	NE												
1-Pentene	TIC		109-67-1	NE	NE												
2,2,5-Trimethyl Hexane	TIC		3522-94-9	NE	NE												
2,2-Dimethylbutane	TIC		75-83-2	NE	NE												
2,3,6-Trimethyl Octane	TIC		62016-33-5	NE	NE												
2,5-Dimethylundecane	TIC		17301-22-3	NE	NE												
2,6-Dimethyl Octane	TIC		2051-30-1	NE	NE												
2,6-Dimethylundecane	TIC		17301-23-4	NE	NE												
2,7,10-Trimethyl Dodecane	TIC		74645-98-0	NE	NE												
2-Ethyl-1,4-Dimethyl Benzene	TIC		1758-88-9	NE	NE												
2-Ethylhexyl Aldehyde	TIC		123-05-7	NE	NE			**5.8 NJ**									
2-Heptanone	TIC		110-43-0	NE	NE												
2-Methyl Nonane	TIC		871-83-0	NE	NE												
2-Methyl-1,3-Butadiene (Isoprene)	TIC		78-79-5	NE	NE												
3-Carene	TIC		13466-78-9	NE	NE												
3-Ethyl-2-Methyl-Heptane	TIC		14676-29-0	NE	NE												
3-Methyl Decane	TIC		13151-34-3	NE	NE												
4-(2,6,6-Trimethyl-1-Cyclohexen-1-Yl)-3-Buten-2-One	TIC		14901-07-6	NE	NE												
4-Ethyltoluene	TIC		622-96-8	NE	NE												
4-Methyl Decane	TIC		2847-72-5	NE	NE												
4-Methyl Dodecane	TIC		6117-97-1	NE	NE												
4-Methyl-Nonane	TIC		17301-94-9	NE	NE												
5-Octadecene, (E)-	TIC		7206-21-5	NE	NE												
5-Octadecyne	TIC		71899-42-8	NE	NE												
6-Methylpentadecane	TIC		10105-38-1	NE	NE												
6-Methyltetralin	TIC		1680-51-9	NE	NE												
Benzene, 1,3,5-tris(1-methylethyl)-	TIC		717-74-8	NE	NE												
Bornylene	TIC		464-17-5	NE	NE												
Camphene	TIC		79-92-5	NE	NE												
Cyclohexane, 1-methyl-4-(1-methylethyl)	TIC		6069-98-3	NE	NE												
Cyclopentane	TIC		287-92-3	NE	NE												**4.8 J**
Cyclopentane, (1-methylbutyl)-	TIC		4737-43-3	NE	NE												
Cyclopentane, 1,2-dimethyl-3-(1-methyle	TIC		489-20-3	NE	NE												
Decahydro Naphthalene	TIC		91-17-8	NE	NE												
Decane, 5-ethyl-5-methyl-	TIC		17312-74-2	NE	NE												
Diethyl Ether (Ethyl Ether)	TIC		60-29-7	NE	NE		**13 NJ**										
Dodecane, 4,6-Dimethyl-	TIC		61141-72-8	NE	NE												
ENDOISOCAMPHANE	TIC		20536-40-7	NE	NE												
Isobutyraldehyde	TIC		78-84-2	NE	NE												
Isopropylbenzene	TIC		00098-82-8	NE	NE												
Limonene	TIC		138-86-3	NE	NE												
M-Cymene	TIC		535-77-3	NE	NE												
Naphthalene	TIC		91-20-3	12000	500000												
N-Butyl Acetate	TIC		123-86-4	NE	NE												

Table 5-2
Summary of Soil Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	LP-22	LP-22	LP-22	LP-25	LP-25	LP-25	LP-25	LP-26	LP-26	LP-26	LP-26	MW-01
					Sample Name	LP-22 (15-17)	LP-22 (20-22)	LP-22 (28-30)	LP-25 (15-17)	LP-25 (20-22)	LP-25 (28-30)	LP-25 (5-10)	2015_06_30_DUP	LP-26 (15-17)	LP-26 (20-22)	LP-26 (28-30)	2015-07-03 DUP
					Sample Date	6/29/2015	6/29/2015	6/29/2015	6/30/2015	6/30/2015	6/30/2015	6/30/2015	6/30/2015	6/30/2015	6/30/2015	6/30/2015	7/13/2015
					Parent Sample								LP-26 (28-30)-5070107				MW-1 (28-30)-5071405
Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO												
N-Decane	TIC		124-18-5	NE	NE												
N-Hexane	TIC		110-54-3	NE	NE												
N-Nonane	TIC		111-84-2	NE	NE												
N-Octane	TIC		111-65-9	NE	NE												
N-Propylbenzene	TIC		103-65-1	3900	500000												
N-Undecane	TIC		1120-21-4	NE	NE												
Octamethylcyclotetrasiloxane	TIC		556-67-2	NE	NE												
Squalane	TIC		111-01-3	NE	NE												
Trans-Decahydro-Naphthalene	TIC		493-02-7	NE	NE												
Tricyclo[4.3.1.1(3,8)]undecane-1-carbox	TIC		31083-60-0	NE	NE												
Unknown With 1st Highest Conc.	TIC		UNKNOWN1	NE	NE								**3.8 J**				
Unknown With 2nd Highest Conc.	TIC		UNKNOWN2	NE	NE												
Unknown With 3rd Highest Conc.	TIC		UNKNOWN3	NE	NE												
Unknown With 4th Highest Conc.	TIC		UNKNOWN4	NE	NE												
Unknown With 5th Highest Conc.	TIC		UNKNOWN5	NE	NE												
Unknown With 6th Highest Conc.	TIC		UNKNOWN6	NE	NE												

Table 5-2
Summary of Soil Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	MW-01S	MW-01S	MW-01S	MW-02	MW-02	MW-02	MW-03	MW-03	MW-04	MW-04	MW-05	MW-05S	MW-05S
					Sample Name	MW-1 (0-2)	MW-1 (10-15)	MW-1 (28-30)	MW-2 (0-2)	MW-2 (28-30)	MW-2 (5-10)	MW-3 (0-2)	MW-3 (28-30)	MW-4 (0-2)	MW-4 (28-30)	2015_07-14 DUP	MW-5 (0-2)	MW-5 (28-30)
					Sample Date	7/13/2015	7/13/2015	7/13/2015	7/14/2015	7/14/2015	7/14/2015	7/13/2015	7/13/2015	7/13/2015	7/13/2015	7/14/2015	7/14/2015	7/14/2015
					Parent Sample											MW-5 (0-2)-5071505		
Analyte	**Result Type**	**Units**	**CAS No.**	**Unrestricted SCO**	**Commercial SCO**													
SSO_VOC		ug/kg																
1,1,1-Trichloroethane	TRG		71-55-6	680	500000	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 U	1.9 U	1.8 U	1.9 U	**5.3**	**5.2**	**33**
1,1,2,2-Tetrachloroethane	TRG		79-34-5	NE	NE	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 UJ	1.9 U	1.8 U	1.9 U	2 U	1.7 U	1.9 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	TRG		76-13-1	NE	NE	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 U	1.9 U	1.8 U	1.9 U	2 U	1.7 U	1.9 U
1,1,2-Trichloroethane	TRG		79-00-5	NE	NE	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 U	1.9 U	1.8 U	1.9 U	2 U	1.7 U	1.9 U
1,1-Dichloroethane	TRG		75-34-3	270	240000	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 U	1.9 U	1.8 U	1.9 U	2 U	1.7 U	**5.9**
1,1-Dichloroethene	TRG		75-35-4	330	500000	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 U	1.9 U	1.8 U	1.9 U	2 U	1.7 U	1.9 U
1,2,3-Trichlorobenzene	TRG		87-61-6	NE	NE	1.9 UJ	1.8 U	1.9 U	1.8 UJ	1.9 U	1.8 U	1.7 UJ	1.9 U	1.8 U	1.9 U	2 U	1.7 U	1.9 U
1,2,4-Trichlorobenzene	TRG		120-82-1	NE	NE	1.9 UJ	1.8 U	1.9 U	1.8 UJ	1.9 U	1.8 U	1.7 UJ	1.9 U	1.8 U	1.9 U	2 U	1.7 U	1.9 U
1,2-Dibromo-3-Chloropropane	TRG		96-12-8	NE	NE	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 UJ	1.9 U	1.8 U	1.9 U	2 U	1.7 U	1.9 U
1,2-Dibromoethane (Ethylene Dibromide)	TRG		106-93-4	NE	NE	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 U	1.9 U	1.8 U	1.9 U	2 U	1.7 U	1.9 U
1,2-Dichlorobenzene	TRG		95-50-1	1100	500000	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 U	1.9 U	1.8 U	1.9 U	2 U	1.7 U	1.9 U
1,2-Dichloroethane	TRG		107-06-2	20	30000	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 U	1.9 U	1.8 U	1.9 U	2 U	1.7 U	1.9 U
1,2-Dichloropropane	TRG		78-87-5	NE	NE	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 U	1.9 U	1.8 U	1.9 U	2 U	1.7 U	1.9 U
1,3-Dichlorobenzene	TRG		541-73-1	2400	280000	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 UJ	1.9 U	1.8 U	1.9 U	2 U	1.7 U	1.9 U
1,4-Dichlorobenzene	TRG		106-46-7	1800	130000	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 UJ	1.9 U	1.8 U	1.9 U	2 U	1.7 U	1.9 U
1,4-Dioxane (P-Dioxane)	TRG		123-91-1	100	130000	97 R	88 R	96 R	88 R	97 R	90 R	84 R	96 R	90 R	94 R	98 R	85 R	93 R
2-Hexanone	TRG		591-78-6	NE	NE	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 U	1.9 U	1.8 U	1.9 U	2 U	1.7 U	1.9 U
Acetone	TRG		67-64-1	50	500000	99 U	83 U	78 U	34 U	48 U	56 U	8.4 U	40 U	9 U	69 U	90 U	52 U	49 U
Benzene	TRG		71-43-2	60	44000	0.97 U	0.88 U	0.96 U	0.88 U	0.97 U	0.9 U	0.84 U	0.96 U	0.9 U	0.94 U	0.98 U	0.85 U	0.93 U
Bromochloromethane	TRG		74-97-5	NE	NE	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 U	1.9 U	1.8 U	1.9 U	2 U	1.7 U	1.9 U
Bromodichloromethane	TRG		75-27-4	NE	NE	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 U	1.9 U	1.8 U	1.9 U	2 U	1.7 U	1.9 U
Bromoform	TRG		75-25-2	NE	NE	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 U	1.9 U	1.8 U	1.9 U	2 U	1.7 U	1.9 U
Bromomethane	TRG		74-83-9	NE	NE	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 U	1.9 U	1.8 U	1.9 U	2 U	1.7 U	1.9 U
Carbon Disulfide	TRG		75-15-0	NE	NE	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 U	1.9 U	1.8 U	1.9 U	2 U	1.7 U	1.9 U
Carbon Tetrachloride	TRG		56-23-5	760	22000	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 U	1.9 U	1.8 U	1.9 U	2 U	1.7 U	1.9 U
Chlorobenzene	TRG		108-90-7	1100	500000	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 U	1.9 U	1.8 U	1.9 U	2 U	1.7 U	1.9 U
Chloroethane	TRG		75-00-3	NE	NE	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 U	1.9 U	1.8 U	1.9 U	2 U	1.7 U	1.9 U
Chloroform	TRG		67-66-3	370	350000	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 U	1.9 U	1.8 U	1.9 U	2 U	1.7 U	1.9 U
Chloromethane	TRG		74-87-3	NE	NE	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 U	1.9 U	1.8 U	1.9 U	2 U	1.7 U	1.9 U
Cis-1,2-Dichloroethylene	TRG		156-59-2	250	500000	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 U	1.9 U	1.8 U	1.9 U	2 U	1.7 U	1.9 U
Cis-1,3-Dichloropropene	TRG		10061-01-5	NE	NE	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 U	1.9 U	1.8 U	1.9 U	2 U	1.7 U	1.9 U
Cyclohexane	TRG		110-82-7	NE	NE	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 U	1.9 U	1.8 U	1.9 U	2 U	1.7 U	1.9 U
Dibromochloromethane	TRG		124-48-1	NE	NE	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 U	1.9 U	1.8 U	1.9 U	2 U	1.7 U	1.9 U
Dichlorodifluoromethane	TRG		75-71-8	NE	NE	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 U	1.9 U	1.8 U	1.9 U	2 U	1.7 U	1.9 U
Ethylbenzene	TRG		100-41-4	1000	390000	0.97 U	0.88 U	0.96 U	0.88 U	0.97 U	0.9 U	0.84 U	0.96 U	0.9 U	0.94 U	0.98 U	0.85 U	0.93 U
Isopropylbenzene (Cumene)	TRG		98-82-8	NE	NE	0.97 U	0.88 U	0.96 U	0.88 U	0.97 U	0.9 U	0.84 UJ	0.96 U	0.9 U	0.94 U	0.98 U	0.85 U	0.93 U
Methyl Acetate	TRG		79-20-9	NE	NE	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 U	1.9 U	1.8 U	1.9 U	2 U	1.7 U	1.9 U
Methyl Ethyl Ketone (2-Butanone)	TRG		78-93-3	120	500000	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 U	1.9 U	1.8 U	1.9 U	2 U	1.7 U	1.9 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	TRG		108-10-1	NE	NE	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 U	1.9 U	1.8 U	1.9 U	2 U	1.7 U	1.9 U
Methylcyclohexane	TRG		108-87-2	NE	NE	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 U	1.9 U	1.8 U	1.9 U	2 U	1.7 U	1.9 U
Methylene Chloride	TRG		75-09-2	50	500000	30 U	58 U	24 U	62 U	87 U	79 U	31 UJ	49 U	54 U	62 U	81 U	56 U	72 U
M-P-Xylene	TRG		136777-61-2	NE	NE	0.97 U	0.88 U	0.96 U	0.88 U	0.97 U	0.9 U	0.84 U	0.96 U	0.9 U	0.94 U	0.98 U	0.85 U	0.93 U
O-Xylene (1,2-Dimethylbenzene)	TRG		95-47-6	260	500000	0.97 U	0.88 U	0.96 U	0.88 U	0.97 U	0.9 U	0.84 U	0.96 U	0.9 U	0.94 U	0.98 U	0.85 U	0.93 U
Styrene	TRG		100-42-5	NE	NE	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 U	1.9 U	1.8 U	1.9 U	2 U	1.7 U	1.9 U
Tert-Butyl Methyl Ether	TRG		1634-04-4	930	500000	0.97 U	0.88 U	0.96 U	0.88 U	0.97 U	0.9 U	0.84 U	0.96 U	0.9 U	0.94 U	0.98 U	0.85 U	0.93 U
Tetrachloroethylene (PCE)	TRG		127-18-4	1300	150000	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 U	1.9 U	1.8 U	1.9 U	2 U	1.7 U	1.9 U
Toluene	TRG		108-88-3	700	500000	0.97 U	0.88 U	0.96 U	0.88 U	0.97 U	0.9 U	0.84 U	0.96 U	0.9 U	0.94 U	0.98 U	0.85 U	0.93 U
Trans-1,2-Dichloroethene	TRG		156-60-5	190	500000	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 U	1.9 U	1.8 U	1.9 U	2 U	1.7 U	1.9 U
Trans-1,3-Dichloropropene	TRG		10061-02-6	NE	NE	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 U	1.9 U	1.8 U	1.9 U	2 U	1.7 U	1.9 U
Trichloroethylene (TCE)	TRG		79-01-6	470	200000	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 U	1.9 U	1.8 U	1.9 U	2 U	1.7 U	1.9 U
Trichlorofluoromethane	TRG		75-69-4	NE	NE	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 U	1.9 U	1.8 U	1.9 U	2 U	1.7 U	1.9 U
Vinyl Chloride	TRG		75-01-4	20	13000	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 U	1.9 U	1.8 U	1.9 U	2 U	1.7 U	1.9 U
Xylenes	TRG		1330-20-7	260	500000	0.97 U	0.88 U	0.96 U	0.88 U	0.97 U	0.9 U	0.84 U	0.96 U	0.9 U	0.94 U	0.98 U	0.85 U	0.93 U
Total VOCs	TRG		TVOC	NE	NE	0	0	0	0	0	0	0	0	0	0	**5.3**	**5.2**	**38.9**

Table 5-2
Summary of Soil Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO	Location Name / Sample Name / Sample Date / Parent Sample	MW-01S MW-1 (0-2) 7/13/2015	MW-01S MW-1 (10-15) 7/13/2015	MW-01S MW-1 (28-30) 7/13/2015	MW-02 MW-2 (0-2) 7/14/2015	MW-02 MW-2 (28-30) 7/14/2015	MW-02 MW-2 (5-10) 7/14/2015	MW-03 MW-3 (0-2) 7/13/2015	MW-03 MW-3 (28-30) 7/13/2015	MW-04 MW-4 (0-2) 7/13/2015	MW-04 MW-4 (28-30) 7/13/2015	MW-05 2015_07-14 DUP 7/14/2015 MW-5 (0-2)-5071505	MW-05S MW-5 (0-2) 7/14/2015	MW-05S MW-5 (28-30) 7/14/2015
(Cyclopentylmethyl)Cyclohexane	TIC		4431-89-4	NE	NE														
1,1,4,4-Tetramethyl-2,3,4,5,6,7-hexahyd	TIC		85329-77-7	NE	NE														
1,1'-Bicycloheptyl	TIC		23183-11-1	NE	NE														
1,2,3,4-Tetrahydro-2,7-Dimethyl Naphthalene	TIC		13065-07-1	NE	NE														
1,2,3-Trimethyl Benzene	TIC		526-73-8	NE	NE														
1,2,4,5-Tetramethylbenzene	TIC		95-93-2	NE	NE														
1,2,4-Trimethylbenzene	TIC		95-63-6	3600	190000														
1,3,5-Trimethylbenzene (Mesitylene)	TIC		108-67-8	8400	190000														
1,3,6-Octatriene, 3,7-dimethyl-, (Z)-	TIC		3338-55-4	NE	NE														
1,3,7-OCTATRIENE, 3,7-DIMETHYL-	TIC		502-99-8	NE	NE														
1,3-Diethyl Benzene	TIC		141-93-5	NE	NE														
1,3-Diethyl-5-Methylbenzene	TIC		2050-24-0	NE	NE														
1,3-Pentadiene, (Z)-	TIC		504-60-9	NE	NE														
1,4-Diethyl Benzene	TIC		105-05-5	NE	NE														
1-Decanol, 2-ethyl-	TIC		21078-65-9	NE	NE														
1-Ethyl-2,3-Dimethylbenzene	TIC		933-98-2	NE	NE														
1H-Indene, 2,3-Dihydro-4,7-Dimethyl-	TIC		6682-71-9	NE	NE														
1-Methylnaphthalene	TIC		90-12-0	NE	NE														
1-Octanol, 2-butyl-	TIC		2/8/3913	NE	NE														
1-Pentene	TIC		109-67-1	NE	NE														
2,2,5-Trimethyl Hexane	TIC		3522-94-9	NE	NE														
2,2-Dimethylbutane	TIC		75-83-2	NE	NE														
2,3,6-Trimethyl Octane	TIC		62016-33-5	NE	NE														
2,5-Dimethylundecane	TIC		17301-22-3	NE	NE														
2,6-Dimethyl Octane	TIC		2051-30-1	NE	NE														
2,6-Dimethylundecane	TIC		17301-23-4	NE	NE														
2,7,10-Trimethyl Dodecane	TIC		74645-98-0	NE	NE														
2-Ethyl-1,4-Dimethyl Benzene	TIC		1758-88-9	NE	NE														
2-Ethylhexyl Aldehyde	TIC		123-05-7	NE	NE														
2-Heptanone	TIC		110-43-0	NE	NE														
2-Methyl Nonane	TIC		871-83-0	NE	NE														
2-Methyl-1,3-Butadiene (Isoprene)	TIC		78-79-5	NE	NE														
3-Carene	TIC		13466-78-9	NE	NE								**10 J**						
3-Ethyl-2-Methyl-Heptane	TIC		14676-29-0	NE	NE														
3-Methyl Decane	TIC		13151-34-3	NE	NE														
4-(2,6,6-Trimethyl-1-Cyclohexen-1-Yl)-3-Buten-2-One	TIC		14901-07-6	NE	NE														
4-Ethyltoluene	TIC		622-96-8	NE	NE														
4-Methyl Decane	TIC		2847-72-5	NE	NE														
4-Methyl Dodecane	TIC		6117-97-1	NE	NE														
4-Methyl-Nonane	TIC		17301-94-9	NE	NE														
5-Octadecene, (E)-	TIC		7206-21-5	NE	NE														
5-Octadecyne	TIC		71899-42-8	NE	NE														
6-Methylpentadecane	TIC		10105-38-1	NE	NE														
6-Methyltetralin	TIC		1680-51-9	NE	NE														
Benzene, 1,3,5-tris(1-methylethyl)-	TIC		717-74-8	NE	NE														
Bornylene	TIC		464-17-5	NE	NE														
Camphene	TIC		79-92-5	NE	NE														
Cyclohexane, 1-methyl-4-(1-methylethyl)	TIC		6069-98-3	NE	NE														
Cyclopentane	TIC		287-92-3	NE	NE		**5.8 J**								**3.9 J**				
Cyclopentane, (1-methylbutyl)-	TIC		4737-43-3	NE	NE														
Cyclopentane, 1,2-dimethyl-3-(1-methyle	TIC		489-20-3	NE	NE														
Decahydro Naphthalene	TIC		91-17-8	NE	NE														
Decane, 5-ethyl-5-methyl-	TIC		17312-74-2	NE	NE														
Diethyl Ether (Ethyl Ether)	TIC		60-29-7	NE	NE						**5.5 J**						**4.2 J**		**4.5 J**
Dodecane, 4,6-Dimethyl-	TIC		61141-72-8	NE	NE														
ENDOISOCAMPHANE	TIC		20536-40-7	NE	NE														
Isobutyraldehyde	TIC		78-84-2	NE	NE														
Isopropylbenzene	TIC		00098-82-8	NE	NE														
Limonene	TIC		138-86-3	NE	NE														
M-Cymene	TIC		535-77-3	NE	NE														
Naphthalene	TIC		91-20-3	12000	500000														
N-Butyl Acetate	TIC		123-86-4	NE	NE														

Table 5-2
Summary of Soil Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	MW-01S	MW-01S	MW-01S	MW-02	MW-02	MW-02	MW-03	MW-03	MW-04	MW-04	MW-05	MW-05S	MW-05S
					Sample Name	MW-1 (0-2)	MW-1 (10-15)	MW-1 (28-30)	MW-2 (0-2)	MW-2 (28-30)	MW-2 (5-10)	MW-3 (0-2)	MW-3 (28-30)	MW-4 (0-2)	MW-4 (28-30)	2015_07-14 DUP	MW-5 (0-2)	MW-5 (28-30)
					Sample Date	7/13/2015	7/13/2015	7/13/2015	7/14/2015	7/14/2015	7/14/2015	7/13/2015	7/13/2015	7/13/2015	7/13/2015	7/14/2015	7/14/2015	7/14/2015
					Parent Sample											MW-5 (0-2)-5071505		
Analyte	**Result Type**	**Units**	**CAS No.**	**Unrestricted SCO**	**Commercial SCO**													
N-Decane	TIC		124-18-5	NE	NE													
N-Hexane	TIC		110-54-3	NE	NE					**3.8 J**	**3.1 J**							**3 J**
N-Nonane	TIC		111-84-2	NE	NE													
N-Octane	TIC		111-65-9	NE	NE													
N-Propylbenzene	TIC		103-65-1	3900	500000													
N-Undecane	TIC		1120-21-4	NE	NE													
Octamethylcyclotetrasiloxane	TIC		556-67-2	NE	NE													
Squalane	TIC		111-01-3	NE	NE													
Trans-Decahydro-Naphthalene	TIC		493-02-7	NE	NE													
Tricyclo[4.3.1.1(3,8)]undecane-1-carbox	TIC		31083-60-0	NE	NE													
Unknown With 1st Highest Conc.	TIC		UNKNOWN1	NE	NE							**3 J**		**3.2 J**			**5.5 J**	
Unknown With 2nd Highest Conc.	TIC		UNKNOWN2	NE	NE													
Unknown With 3rd Highest Conc.	TIC		UNKNOWN3	NE	NE													
Unknown With 4th Highest Conc.	TIC		UNKNOWN4	NE	NE													
Unknown With 5th Highest Conc.	TIC		UNKNOWN5	NE	NE													
Unknown With 6th Highest Conc.	TIC		UNKNOWN6	NE	NE													

Table 5-2
Summary of Soil Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	SB-01	SB-01	SB-01	SB-02	SB-02	SB-02	SB-02	SB-03	SB-03	SB-04	SB-04	SB-04	SW-01	SW-01	SW-02	SW-02
					Sample Name	SB-1 (0-2)	SB-1 (15-20)	SB-1 (28-30)	SB-2 (13'-15')	SB-2 (15'-17')	SB-2 (28'-30')	SB-2 (5'-10')	SB-3 (10-12)	SB-3 (28-30)	SB-4 (0-2)	SB-4 (28-30)	SB-4 (5-10)	SW-1 (18-20)	SW-1 (28-30)	SW-2 (15-16)	SW-2 (28-30)
					Sample Date	7/13/2015	7/13/2015	7/13/2015	6/25/2015	6/25/2015	6/26/2015	6/25/2015	7/8/2015	7/8/2015	7/7/2015	7/7/2015	7/7/2015	7/13/2015	7/13/2015	7/1/2015	7/1/2015
					Parent Sample																
Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO																
SSO_VOC		ug/kg																			
1,1,1-Trichloroethane	TRG		71-55-6	680	500000	1.8 U	1.8 U	2.1 U	1.5 U	1.9 U	2 U	1.7 U	**3**	1.9 U	**6.2**	1.9 U	**5.2**	2.5 U	1.9 U	1.8 U	1.9 U
1,1,2,2-Tetrachloroethane	TRG		79-34-5	NE	NE	1.8 U	1.8 U	2.1 U	1.5 U	1.9 U	2 U	1.7 U	1.9 U	1.9 U	1.8 R	1.9 U	1.8 U	2.5 U	1.9 U	1.8 U	1.9 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	TRG		76-13-1	NE	NE	1.8 U	1.8 U	2.1 U	1.5 U	1.9 U	2 U	1.7 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	2.5 U	1.9 U	1.8 U	1.9 U
1,1,2-Trichloroethane	TRG		79-00-5	NE	NE	1.8 U	1.8 U	2.1 U	1.5 U	1.9 U	2 U	1.7 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	2.5 U	1.9 U	1.8 U	1.9 U
1,1-Dichloroethane	TRG		75-34-3	270	240000	1.8 U	1.8 U	2.1 U	1.5 U	1.9 U	2 U	1.7 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	2.5 U	1.9 U	1.8 U	1.9 U
1,1-Dichloroethene	TRG		75-35-4	330	500000	1.8 U	1.8 U	2.1 U	1.5 U	1.9 U	2 U	1.7 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	2.5 U	1.9 U	1.8 U	1.9 U
1,2,3-Trichlorobenzene	TRG		87-61-6	NE	NE	1.8 U	1.8 U	2.1 U	1.5 U	1.9 U	2 U	1.7 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	2.5 U	1.9 U	1.8 U	1.9 U
1,2,4-Trichlorobenzene	TRG		120-82-1	NE	NE	1.8 U	1.8 U	2.1 U	1.5 U	1.9 U	2 U	1.7 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	2.5 U	1.9 U	1.8 U	1.9 U
1,2-Dibromo-3-Chloropropane	TRG		96-12-8	NE	NE	1.8 U	1.8 U	2.1 U	1.5 U	1.9 U	2 U	1.7 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	2.5 U	1.9 U	1.8 U	1.9 U
1,2-Dibromoethane (Ethylene Dibromide)	TRG		106-93-4	NE	NE	1.8 U	1.8 U	2.1 U	1.5 U	1.9 U	2 U	1.7 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	2.5 U	1.9 U	1.8 U	1.9 U
1,2-Dichlorobenzene	TRG		95-50-1	1100	500000	1.8 U	1.8 U	2.1 U	1.5 U	1.9 U	2 U	1.7 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	2.5 U	1.9 U	1.8 U	1.9 U
1,2-Dichloroethane	TRG		107-06-2	20	30000	1.8 U	1.8 U	2.1 U	1.5 U	1.9 U	2 U	1.7 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	2.5 U	1.9 U	1.8 U	1.9 U
1,2-Dichloropropane	TRG		78-87-5	NE	NE	1.8 U	1.8 U	2.1 U	1.5 U	1.9 U	2 U	1.7 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	2.5 U	1.9 U	1.8 U	1.9 U
1,3-Dichlorobenzene	TRG		541-73-1	2400	280000	1.8 U	1.8 U	2.1 U	1.5 U	1.9 U	2 U	1.7 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	2.5 U	1.9 U	1.8 U	1.9 U
1,4-Dichlorobenzene	TRG		106-46-7	1800	130000	1.8 U	1.8 U	2.1 U	1.5 U	1.9 U	2 U	1.7 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	2.5 U	1.9 U	1.8 U	1.9 U
1,4-Dioxane (P-Dioxane)	TRG		123-91-1	100	130000	92 R	92 R	110 R	76 R	94 R	99 R	87 R	93 R	97 R	88 R	97 R	89 R	130 R	95 R	92 R	97 R
2-Hexanone	TRG		591-78-6	NE	NE	1.8 U	1.8 U	2.1 U	1.5 U	1.9 U	2 U	1.7 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	2.5 U	1.9 U	1.8 U	1.9 U
Acetone	TRG		67-64-1	50	500000	62 U	62 U	42 U	71 U	100 U	9.9 U	57 U	99 U	9.7 U	8.8 U	9.7 U	8.9 U	100 U	54 U	100 U	9.7 U
Benzene	TRG		71-43-2	60	44000	0.92 U	0.92 U	1.1 U	0.76 U	0.94 U	0.99 U	0.87 U	0.93 U	0.97 U	0.88 U	0.97 U	0.89 U	1.3 U	0.95 U	0.92 U	0.97 U
Bromochloromethane	TRG		74-97-5	NE	NE	1.8 U	1.8 U	2.1 U	1.5 U	1.9 U	2 U	1.7 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	2.5 U	1.9 U	1.8 U	1.9 U
Bromodichloromethane	TRG		75-27-4	NE	NE	1.8 U	1.8 U	2.1 U	1.5 U	1.9 U	2 U	1.7 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	2.5 U	1.9 U	1.8 U	1.9 U
Bromoform	TRG		75-25-2	NE	NE	1.8 U	1.8 U	2.1 U	1.5 U	1.9 U	2 U	1.7 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	2.5 U	1.9 U	1.8 U	1.9 U
Bromomethane	TRG		74-83-9	NE	NE	1.8 U	1.8 U	2.1 U	1.5 U	1.9 U	2 U	1.7 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	2.5 U	1.9 U	1.8 U	1.9 U
Carbon Disulfide	TRG		75-15-0	NE	NE	1.8 U	1.8 U	2.1 U	1.5 U	1.9 U	2 U	1.7 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	**2.7**	1.9 U	**2.2**	1.9 U
Carbon Tetrachloride	TRG		56-23-5	760	22000	1.8 U	1.8 U	2.1 U	1.5 U	1.9 U	2 U	1.7 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	2.5 U	1.9 U	1.8 U	1.9 U
Chlorobenzene	TRG		108-90-7	1100	500000	1.8 U	1.8 U	2.1 U	1.5 U	1.9 U	2 U	1.7 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	2.5 U	1.9 U	1.8 U	1.9 U
Chloroethane	TRG		75-00-3	NE	NE	1.8 U	1.8 U	2.1 U	1.5 U	1.9 U	2 U	1.7 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	2.5 U	1.9 U	1.8 U	1.9 U
Chloroform	TRG		67-66-3	370	350000	1.8 U	1.8 U	2.1 U	1.5 U	1.9 U	2 U	1.7 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	2.5 U	1.9 U	1.8 U	1.9 U
Chloromethane	TRG		74-87-3	NE	NE	1.8 U	1.8 U	2.1 U	1.5 U	1.9 U	2 U	1.7 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	2.5 U	1.9 U	1.8 U	1.9 U
Cis-1,2-Dichloroethylene	TRG		156-59-2	250	500000	1.8 U	1.8 U	2.1 U	1.5 U	1.9 U	2 U	1.7 U	**8.9**	1.9 U	1.8 U	1.9 U	1.8 U	2.5 U	1.9 U	1.8 U	1.9 U
Cis-1,3-Dichloropropene	TRG		10061-01-5	NE	NE	1.8 U	1.8 U	2.1 U	1.5 U	1.9 U	2 U	1.7 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	2.5 U	1.9 U	1.8 U	1.9 U
Cyclohexane	TRG		110-82-7	NE	NE	1.8 U	1.8 U	2.1 U	1.5 U	1.9 U	2 U	1.7 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	2.5 U	1.9 U	1.8 U	1.9 U
Dibromochloromethane	TRG		124-48-1	NE	NE	1.8 U	1.8 U	2.1 U	1.5 U	1.9 U	2 U	1.7 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	2.5 U	1.9 U	1.8 U	1.9 U
Dichlorodifluoromethane	TRG		75-71-8	NE	NE	1.8 U	1.8 U	2.1 U	1.5 U	1.9 U	2 U	1.7 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	2.5 U	1.9 U	1.8 U	1.9 U
Ethylbenzene	TRG		100-41-4	1000	390000	0.92 U	0.92 U	1.1 U	0.76 U	0.94 U	0.99 U	0.87 U	0.93 U	0.97 U	0.88 U	0.97 U	0.89 U	1.3 U	0.95 U	0.92 U	0.97 U
Isopropylbenzene (Cumene)	TRG		98-82-8	NE	NE	0.92 U	0.92 U	1.1 U	0.76 U	0.94 U	0.99 U	0.87 U	0.93 U	0.97 U	0.88 U	0.97 U	0.89 U	1.3 U	0.95 U	0.92 U	0.97 U
Methyl Acetate	TRG		79-20-9	NE	NE	1.8 U	1.8 U	2.1 U	1.5 U	1.9 U	2 U	1.7 U	1.9 U	1.9 U	1.8 R	1.9 U	1.8 U	2.5 U	1.9 U	1.8 U	1.9 U
Methyl Ethyl Ketone (2-Butanone)	TRG		78-93-3	120	500000	1.8 U	1.8 U	2.1 U	1.5 U	1.9 U	2 U	1.7 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	2.5 U	1.9 U	1.8 U	1.9 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	TRG		108-10-1	NE	NE	1.8 U	**32**	2.1 U	1.5 U	1.9 U	2 U	1.7 U	1.9 U	**21**	1.8 U	1.9 U	1.8 U	2.5 U	1.9 U	1.8 U	1.9 U
Methylcyclohexane	TRG		108-87-2	NE	NE	1.8 U	1.8 U	2.1 U	1.5 U	1.9 U	2 U	1.7 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	2.5 U	1.9 U	1.8 U	1.9 U
Methylene Chloride	TRG		75-09-2	50	500000	60 U	59 U	25 U	72 U	67 U	17 U	64 U	19 U	19 U	1.8 U	1.9 U	1.8 U	76 U	55 U	5.8 U	8.5 U
M-P-Xylene	TRG		136777-61-2	NE	NE	0.92 U	0.92 U	1.1 U	0.76 U	0.94 U	0.99 U	0.87 U	0.93 U	**1.4**	0.88 U	0.97 U	0.89 U	1.3 U	0.95 U	0.92 U	0.97 U
O-Xylene (1,2-Dimethylbenzene)	TRG		95-47-6	260	500000	0.92 U	0.92 U	1.1 U	0.76 U	0.94 U	0.99 U	0.87 U	0.93 U	0.97 U	0.88 U	0.97 U	0.89 U	1.3 U	0.95 U	0.92 U	0.97 U
Styrene	TRG		100-42-5	NE	NE	1.8 U	1.8 U	2.1 U	1.5 U	1.9 U	2 U	1.7 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	2.5 U	1.9 U	1.8 U	1.9 U
Tert-Butyl Methyl Ether	TRG		1634-04-4	930	500000	0.92 U	0.92 U	1.1 U	0.76 U	0.94 U	0.99 U	0.87 U	0.93 U	0.97 U	0.88 U	0.97 U	0.89 U	1.3 U	0.95 U	0.92 U	0.97 U
Tetrachloroethylene (PCE)	TRG		127-18-4	1300	150000	1.8 U	1.8 U	2.1 U	1.5 U	1.9 U	2 U	1.7 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	2.5 U	1.9 U	1.8 U	1.9 U
Toluene	TRG		108-88-3	700	500000	0.92 U	0.92 U	1.1 U	0.76 U	0.94 U	0.99 U	0.87 U	0.93 U	**2.1**	0.88 U	0.97 U	0.89 U	**7.3**	0.95 U	0.92 U	0.97 U
Trans-1,2-Dichloroethene	TRG		156-60-5	190	500000	1.8 U	1.8 U	2.1 U	1.5 U	1.9 U	2 U	1.7 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	2.5 U	1.9 U	1.8 U	1.9 U
Trans-1,3-Dichloropropene	TRG		10061-02-6	NE	NE	1.8 U	1.8 U	2.1 U	1.5 U	1.9 U	2 U	1.7 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	2.5 U	1.9 U	1.8 U	1.9 U
Trichloroethylene (TCE)	TRG		79-01-6	470	200000	1.8 U	1.8 U	2.1 U	1.5 U	1.9 U	2 U	1.7 U	**14**	1.9 U	**2.6 J**	1.9 U	1.8 U	2.5 U	1.9 U	1.8 U	1.9 U
Trichlorofluoromethane	TRG		75-69-4	NE	NE	1.8 U	1.8 U	2.1 U	1.5 U	1.9 U	2 U	1.7 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	2.5 U	1.9 U	1.8 U	1.9 U
Vinyl Chloride	TRG		75-01-4	20	13000	1.8 U	1.8 U	2.1 U	1.5 U	1.9 U	2 U	1.7 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	2.5 U	1.9 U	1.8 U	1.9 U
Xylenes	TRG		1330-20-7	260	500000	0.92 U	0.92 U	1.1 U	0.76 U	0.94 U	0.99 U	0.87 U	0.93 U	**1.4**	0.88 U	0.97 U	0.89 U	1.3 U	0.95 U	0.92 U	0.97 U
Total VOCs	TRG		TVOC	NE	NE	0	**32**	0	0	0	0	0	**25.9**	**25.9**	**8.8**	0	**5.2**	**10**	0	**2.2**	0

Table 5-2
Summary of Soil Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

Location Name						SB-01	SB-01	SB-01	SB-02	SB-02	SB-02	SB-02	SB-03	SB-03	SB-04	SB-04	SB-04	SW-01	SW-01	SW-02	SW-02
Sample Name						SB-1 (0-2)	SB-1 (15-20)	SB-1 (28-30)	SB-2 (13'-15')	SB-2 (15'-17')	SB-2 (28'-30')	SB-2 (5'-10')	SB-3 (10-12)	SB-3 (28-30)	SB-4 (0-2)	SB-4 (28-30)	SB-4 (5-10)	SW-1 (18-20)	SW-1 (28-30)	SW-2 (15-16)	SW-2 (28-30)
Sample Date						7/13/2015	7/13/2015	7/13/2015	6/25/2015	6/25/2015	6/26/2015	6/25/2015	7/8/2015	7/8/2015	7/7/2015	7/7/2015	7/7/2015	7/13/2015	7/13/2015	7/1/2015	7/1/2015
Parent Sample																					
Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO																
(Cyclopentylmethyl)Cyclohexane	TIC		4431-89-4	NE	NE																
1,1,4,4-Tetramethyl-2,3,4,5,6,7-hexahyd	TIC		85329-77-7	NE	NE																
1,1'-Bicycloheptyl	TIC		23183-11-1	NE	NE																
1,2,3,4-Tetrahydro-2,7-Dimethyl Naphthalene	TIC		13065-07-1	NE	NE				**7.7 NJ**												
1,2,3-Trimethyl Benzene	TIC		526-73-8	NE	NE																
1,2,4,5-Tetramethylbenzene	TIC		95-93-2	NE	NE																
1,2,4-Trimethylbenzene	TIC		95-63-6	3600	190000																
1,3,5-Trimethylbenzene (Mesitylene)	TIC		108-67-8	8400	190000																
1,3,6-Octatriene, 3,7-dimethyl-, (Z)-	TIC		3338-55-4	NE	NE																
1,3,7-OCTATRIENE, 3,7-DIMETHYL-	TIC		502-99-8	NE	NE																
1,3-Diethyl Benzene	TIC		141-93-5	NE	NE																
1,3-Diethyl-5-Methylbenzene	TIC		2050-24-0	NE	NE																
1,3-Pentadiene, (Z)-	TIC		504-60-9	NE	NE																
1,4-Diethyl Benzene	TIC		105-05-5	NE	NE																
1-Decanol, 2-ethyl-	TIC		21078-65-9	NE	NE					**220 NJ**											
1-Ethyl-2,3-Dimethylbenzene	TIC		933-98-2	NE	NE																
1H-Indene, 2,3-Dihydro-4,7-Dimethyl-	TIC		6682-71-9	NE	NE					**180 NJ**											
1-Methylnaphthalene	TIC		90-12-0	NE	NE				**6.8 NJ**												
1-Octanol, 2-butyl-	TIC		2/8/3913	NE	NE				**11 NJ**												
1-Pentene	TIC		109-67-1	NE	NE	**6.9 J**															
2,2,5-Trimethyl Hexane	TIC		3522-94-9	NE	NE																
2,2-Dimethylbutane	TIC		75-83-2	NE	NE				**21 NJ**												
2,3,6-Trimethyl Octane	TIC		62016-33-5	NE	NE					**340 NJ**											
2,5-Dimethylundecane	TIC		17301-22-3	NE	NE																
2,6-Dimethyl Octane	TIC		2051-30-1	NE	NE																
2,6-Dimethylundecane	TIC		17301-23-4	NE	NE				**17 NJ**	**450 NJ**											
2,7,10-Trimethyl Dodecane	TIC		74645-98-0	NE	NE				**8.3 NJ**												
2-Ethyl-1,4-Dimethyl Benzene	TIC		1758-88-9	NE	NE																
2-Ethylhexyl Aldehyde	TIC		123-05-7	NE	NE																
2-Heptanone	TIC		110-43-0	NE	NE																
2-Methyl Nonane	TIC		871-83-0	NE	NE																
2-Methyl-1,3-Butadiene (Isoprene)	TIC		78-79-5	NE	NE									**4.5 J**							
3-Carene	TIC		13466-78-9	NE	NE																
3-Ethyl-2-Methyl-Heptane	TIC		14676-29-0	NE	NE																
3-Methyl Decane	TIC		13151-34-3	NE	NE																
4-(2,6,6-Trimethyl-1-Cyclohexen-1-Yl)-3-Buten-2-One	TIC		14901-07-6	NE	NE																
4-Ethyltoluene	TIC		622-96-8	NE	NE																
4-Methyl Decane	TIC		2847-72-5	NE	NE																
4-Methyl Dodecane	TIC		6117-97-1	NE	NE				**11 NJ**												
4-Methyl-Nonane	TIC		17301-94-9	NE	NE																
5-Octadecene, (E)-	TIC		7206-21-5	NE	NE				**7.7 NJ**												
5-Octadecyne	TIC		71899-42-8	NE	NE																
6-Methylpentadecane	TIC		10105-38-1	NE	NE																
6-Methyltetralin	TIC		1680-51-9	NE	NE					**190 NJ**											
Benzene, 1,3,5-tris(1-methylethyl)-	TIC		717-74-8	NE	NE																
Bornylene	TIC		464-17-5	NE	NE																
Camphene	TIC		79-92-5	NE	NE																
Cyclohexane, 1-methyl-4-(1-methylethyl)	TIC		6069-98-3	NE	NE																
Cyclopentane	TIC		287-92-3	NE	NE		**5.6 J**														
Cyclopentane, (1-methylbutyl)-	TIC		4737-43-3	NE	NE																
Cyclopentane, 1,2-dimethyl-3-(1-methyle	TIC		489-20-3	NE	NE																
Decahydro Naphthalene	TIC		91-17-8	NE	NE																
Decane, 5-ethyl-5-methyl-	TIC		17312-74-2	NE	NE																
Diethyl Ether (Ethyl Ether)	TIC		60-29-7	NE	NE		**4.3 J**														
Dodecane, 4,6-Dimethyl-	TIC		61141-72-8	NE	NE						**3.1 NJ**										
ENDOISOCAMPHANE	TIC		20536-40-7	NE	NE																
Isobutyraldehyde	TIC		78-84-2	NE	NE																
Isopropylbenzene	TIC		00098-82-8	NE	NE																
Limonene	TIC		138-86-3	NE	NE									**2.9 J**							
M-Cymene	TIC		535-77-3	NE	NE																
Naphthalene	TIC		91-20-3	12000	500000																
N-Butyl Acetate	TIC		123-86-4	NE	NE																

Table 5-2
Summary of Soil Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	SB-01	SB-01	SB-01	SB-02	SB-02	SB-02	SB-02	SB-03	SB-03	SB-04	SB-04	SB-04	SW-01	SW-01	SW-02	SW-02
					Sample Name	SB-1 (0-2)	SB-1 (15-20)	SB-1 (28-30)	SB-2 (13'-15')	SB-2 (15'-17')	SB-2 (28'-30')	SB-2 (5'-10')	SB-3 (10-12)	SB-3 (28-30)	SB-4 (0-2)	SB-4 (28-30)	SB-4 (5-10)	SW-1 (18-20)	SW-1 (28-30)	SW-2 (15-16)	SW-2 (28-30)
					Sample Date	7/13/2015	7/13/2015	7/13/2015	6/25/2015	6/25/2015	6/26/2015	6/25/2015	7/8/2015	7/8/2015	7/7/2015	7/7/2015	7/7/2015	7/13/2015	7/13/2015	7/1/2015	7/1/2015
					Parent Sample																
Analyte	**Result Type**	**Units**	**CAS No.**	**Unrestricted SCO**	**Commercial SCO**																
N-Decane	TIC		124-18-5	NE	NE																
N-Hexane	TIC		110-54-3	NE	NE							**2.8 NJ**								**3.3 NJ**	
N-Nonane	TIC		111-84-2	NE	NE																
N-Octane	TIC		111-65-9	NE	NE															**8.2 NJ**	
N-Propylbenzene	TIC		103-65-1	3900	500000																
N-Undecane	TIC		1120-21-4	NE	NE																
Octamethylcyclotetrasiloxane	TIC		556-67-2	NE	NE																
Squalane	TIC		111-01-3	NE	NE																
Trans-Decahydro-Naphthalene	TIC		493-02-7	NE	NE																
Tricyclo[4.3.1.1(3,8)]undecane-1-carbox	TIC		31083-60-0	NE	NE																
Unknown With 1st Highest Conc.	TIC		UNKNOWN1	NE	NE				**6.9 J**	**140 J**	**3.9 J**	**2.9 J**						**5.7 J**		**3.1 J**	**3.3 J**
Unknown With 2nd Highest Conc.	TIC		UNKNOWN2	NE	NE				**7.9 J**	**160 J**		**3.3 J**								**8.4 J**	
Unknown With 3rd Highest Conc.	TIC		UNKNOWN3	NE	NE					**160 J**		**4.7 J**									
Unknown With 4th Highest Conc.	TIC		UNKNOWN4	NE	NE					**190 J**											
Unknown With 5th Highest Conc.	TIC		UNKNOWN5	NE	NE					**370 J**											
Unknown With 6th Highest Conc.	TIC		UNKNOWN6	NE	NE																

Table 5-2
Summary of Soil Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	SW-02	SW-03	SW-04	SW-04	SW-05	SW-05	SW-05	SW-05	SW-06	SW-06	SW-07	SW-07	SW-08	SW-08	SW-09
					Sample Name	SW-3 (28-30)	SW-3 (8-9)	SW-4 (28-30)	SW-4 (9-10)	SW-5 (19-21)	SW-5 (21-25)	SW-5 (28-30)	SW-5 (38-40)	SW-6 (10-11)	SW-6 (28-30)	SW-7 (10-11)	SW-7 (28-30)	SW-8 (10-11)	SW-8 (28-30)	2015_07-01 DUP
					Sample Date	7/1/2015	7/1/2015	6/30/2015	6/30/2015	7/9/2015	7/9/2015	7/9/2015	7/9/2015	6/30/2015	6/30/2015	6/30/2015	6/30/2015	7/1/2015	7/1/2015	7/1/2015
					Parent Sample															SW-9 (12-13)-5070208
Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO															
SSO_VOC		ug/kg																		
1,1,1-Trichloroethane	TRG		71-55-6	680	500000	2 U	2.2 U	1.8 U	3.1 U	**350000**	**1000**	**61**	1.9 U	2.2 U	1.9 U	100 U	2 U	2.4 U	1.9 U	1.8 U
1,1,2,2-Tetrachloroethane	TRG		79-34-5	NE	NE	2 U	2.2 U	1.8 U	3.1 U	2200 U	93 U	1.9 U	1.9 U	2.2 U	1.9 U	100 U	2 U	2.4 UJ	1.9 U	1.8 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	TRG		76-13-1	NE	NE	2 U	2.2 U	1.8 U	3.1 U	2200 U	93 U	1.9 U	1.9 U	2.2 U	1.9 U	100 U	2 U	2.4 U	1.9 U	1.8 U
1,1,2-Trichloroethane	TRG		79-00-5	NE	NE	2 U	2.2 U	1.8 U	3.1 U	2200 U	93 U	1.9 U	1.9 U	2.2 U	1.9 U	100 U	2 U	2.4 U	1.9 U	1.8 U
1,1-Dichloroethane	TRG		75-34-3	270	240000	2 U	2.2 U	1.8 U	3.1 U	2200 U	93 U	**9.5**	1.9 U	2.2 U	1.9 U	100 U	2 U	2.4 U	1.9 U	1.8 U
1,1-Dichloroethene	TRG		75-35-4	330	500000	2 U	2.2 U	1.8 U	3.1 U	2200 U	93 U	1.9 U	1.9 U	2.2 U	1.9 U	100 U	2 U	2.4 U	1.9 U	1.8 U
1,2,3-Trichlorobenzene	TRG		87-61-6	NE	NE	2 U	2.2 U	1.8 UJ	3.1 UJ	2200 U	93 U	1.9 U	1.9 U	2.2 UJ	1.9 UJ	100 U	2 UJ	2.4 UJ	1.9 U	1.8 U
1,2,4-Trichlorobenzene	TRG		120-82-1	NE	NE	2 U	2.2 U	1.8 U	3.1 U	2200 U	93 U	1.9 U	1.9 U	2.2 U	1.9 U	100 U	2 U	2.4 UJ	1.9 U	1.8 U
1,2-Dibromo-3-Chloropropane	TRG		96-12-8	NE	NE	2 U	2.2 U	1.8 U	3.1 U	2200 U	93 U	1.9 U	1.9 U	2.2 U	1.9 U	100 U	2 U	2.4 UJ	1.9 U	1.8 U
1,2-Dibromoethane (Ethylene Dibromide)	TRG		106-93-4	NE	NE	2 U	2.2 U	1.8 U	3.1 U	2200 U	93 U	1.9 U	1.9 U	2.2 U	1.9 U	100 U	2 U	2.4 UJ	1.9 U	1.8 U
1,2-Dichlorobenzene	TRG		95-50-1	1100	500000	2 U	2.2 U	1.8 U	3.1 U	2200 U	93 U	1.9 U	1.9 U	2.2 U	1.9 U	100 U	2 U	2.4 U	1.9 U	1.8 U
1,2-Dichloroethane	TRG		107-06-2	20	30000	2 U	2.2 U	0.92 U	1.5 U	1100 U	46 U	1.9 U	1.9 U	1.1 U	0.97 U	50 U	0.98 U	2.4 U	1.9 U	1.8 U
1,2-Dichloropropane	TRG		78-87-5	NE	NE	2 U	2.2 U	1.8 U	3.1 U	2200 U	93 U	1.9 U	1.9 U	2.2 U	1.9 U	100 U	2 U	2.4 U	1.9 U	1.8 U
1,3-Dichlorobenzene	TRG		541-73-1	2400	280000	2 U	2.2 U	1.8 U	3.1 U	2200 U	93 U	1.9 U	1.9 U	2.2 U	1.9 U	100 U	2 U	2.4 UJ	1.9 U	1.8 U
1,4-Dichlorobenzene	TRG		106-46-7	1800	130000	2 U	2.2 U	1.8 U	3.1 U	2200 U	93 U	1.9 U	1.9 U	2.2 U	1.9 U	100 U	2 U	2.4 UJ	1.9 U	1.8 U
1,4-Dioxane (P-Dioxane)	TRG		123-91-1	100	130000	100 R	110 R	92 R	150 R	110000 R	4600 R	96 R	95 R	110 R	97 R	5000 R	98 R	120 R	96 R	92 R
2-Hexanone	TRG		591-78-6	NE	NE	2 U	2.2 U	1.8 U	3.1 U	2200 U	93 UJ	1.9 U	1.9 U	2.2 U	1.9 U	100 U	2 U	2.4 U	1.9 U	1.8 U
Acetone	TRG		67-64-1	50	500000	10 U	11 U	9.2 U	220 U	11000 U	460 U	61 U	38 U	130 U	9.7 U	500 U	9.8 U	120 U	46 U	9.2 U
Benzene	TRG		71-43-2	60	44000	1 U	1.1 U	0.92 U	1.5 U	1100 U	46 U	0.96 U	0.95 U	1.1 U	0.97 U	50 U	0.98 U	1.2 U	0.96 U	0.92 U
Bromochloromethane	TRG		74-97-5	NE	NE	2 U	2.2 U	1.8 U	3.1 U	2200 U	93 U	1.9 U	1.9 U	2.2 U	1.9 U	100 U	2 U	2.4 U	1.9 U	1.8 U
Bromodichloromethane	TRG		75-27-4	NE	NE	2 U	2.2 U	1.8 U	3.1 U	2200 U	93 U	1.9 U	1.9 U	2.2 U	1.9 U	100 U	2 U	2.4 U	1.9 U	1.8 U
Bromoform	TRG		75-25-2	NE	NE	2 U	2.2 U	1.8 U	3.1 U	2200 U	93 U	1.9 U	1.9 U	2.2 U	1.9 U	100 U	2 U	2.4 U	1.9 U	1.8 U
Bromomethane	TRG		74-83-9	NE	NE	2 U	2.2 U	1.8 U	3.1 U	2200 U	93 UJ	1.9 U	1.9 U	2.2 U	1.9 U	100 UJ	2 U	2.4 U	1.9 U	1.8 U
Carbon Disulfide	TRG		75-15-0	NE	NE	2 U	2.2 U	1.8 U	3.1 U	2200 U	93 U	1.9 U	**2.1**	**2.2**	1.9 U	100 U	2 U	2.4 U	1.9 U	1.8 U
Carbon Tetrachloride	TRG		56-23-5	760	22000	2 U	2.2 U	1.8 U	3.1 U	2200 U	93 U	1.9 U	1.9 U	2.2 U	1.9 U	100 U	2 U	2.4 U	1.9 U	1.8 U
Chlorobenzene	TRG		108-90-7	1100	500000	2 U	2.2 U	1.8 U	3.1 U	2200 U	93 U	1.9 U	1.9 U	2.2 U	1.9 U	100 U	2 U	2.4 UJ	1.9 U	1.8 U
Chloroethane	TRG		75-00-3	NE	NE	2 U	2.2 U	1.8 U	3.1 U	2200 U	93 UJ	1.9 U	1.9 U	2.2 U	1.9 U	100 U	2 U	2.4 U	1.9 U	1.8 U
Chloroform	TRG		67-66-3	370	350000	2 U	2.2 U	1.8 U	3.1 U	2200 U	93 U	1.9 U	1.9 U	2.2 U	1.9 U	100 U	2 U	2.4 U	1.9 U	1.8 U
Chloromethane	TRG		74-87-3	NE	NE	2 U	2.2 U	1.8 U	3.1 U	2200 U	93 U	1.9 U	1.9 U	2.2 U	1.9 U	100 U	2 U	2.4 U	1.9 U	1.8 U
Cis-1,2-Dichloroethylene	TRG		156-59-2	250	500000	2 U	2.2 U	1.8 U	3.1 U	2200 U	93 U	1.9 U	1.9 U	2.2 U	1.9 U	100 U	2 U	2.4 U	1.9 U	1.8 U
Cis-1,3-Dichloropropene	TRG		10061-01-5	NE	NE	2 U	2.2 U	1.8 U	3.1 U	2200 U	93 U	1.9 U	1.9 U	2.2 U	1.9 U	100 U	2 U	2.4 UJ	1.9 U	1.8 U
Cyclohexane	TRG		110-82-7	NE	NE	2 U	2.2 U	1.8 U	3.1 U	2200 U	93 U	1.9 U	1.9 U	2.2 U	1.9 U	100 U	2 U	2.4 U	1.9 U	1.8 U
Dibromochloromethane	TRG		124-48-1	NE	NE	2 U	2.2 U	1.8 U	3.1 U	2200 U	93 U	1.9 U	1.9 U	2.2 U	1.9 U	100 U	2 U	2.4 U	1.9 U	1.8 U
Dichlorodifluoromethane	TRG		75-71-8	NE	NE	2 U	2.2 U	1.8 U	3.1 U	2200 U	93 U	1.9 U	1.9 U	2.2 U	1.9 U	100 U	2 U	2.4 U	1.9 U	1.8 U
Ethylbenzene	TRG		100-41-4	1000	390000	1 U	1.1 U	0.92 U	1.5 U	2200 U	93 U	0.96 U	0.95 U	1.1 U	0.97 U	**3800**	0.98 U	1.2 UJ	0.96 U	0.92 U
Isopropylbenzene (Cumene)	TRG		98-82-8	NE	NE	1 U	1.1 U	0.92 U	1.5 U	2200 U	93 U	0.96 U	0.95 U	1.1 U	0.97 U	**1100**	0.98 U	1.2 UJ	0.96 U	0.92 U
Methyl Acetate	TRG		79-20-9	NE	NE	2 U	2.2 U	1.8 U	3.1 U	2200 U	93 U	1.9 U	1.9 U	2.2 U	1.9 U	100 U	2 U	2.4 U	1.9 U	1.8 U
Methyl Ethyl Ketone (2-Butanone)	TRG		78-93-3	120	500000	2 U	2.2 U	1.8 U	3.1 U	2200 U	93 U	1.9 U	1.9 U	**22**	1.9 U	100 U	2 U	2.4 U	1.9 U	1.8 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	TRG		108-10-1	NE	NE	2 U	2.2 U	1.8 U	3.1 U	2200 U	93 U	1.9 U	1.9 U	2.2 U	1.9 U	**8600**	2 U	2.4 U	1.9 U	1.8 U
Methylcyclohexane	TRG		108-87-2	NE	NE	2 U	2.2 U	1.8 U	3.1 U	2200 U	93 U	1.9 U	1.9 U	2.2 U	1.9 U	100 U	2 U	2.4 UJ	1.9 U	1.8 U
Methylene Chloride	TRG		75-09-2	50	500000	10 U	7.4 U	5.4 U	7.1 U	2200 U	93 U	19 U	22 U	3.9 U	9.1 U	100 U	6.7 U	2.4 U	9.6 U	4.7 U
M-P-Xylene	TRG		136777-61-2	NE	NE	1 U	1.1 U	0.92 U	1.5 U	2200 U	93 U	0.96 U	0.95 U	**1.5**	0.97 U	**17000**	0.98 U	1.2 UJ	0.96 U	0.92 U
O-Xylene (1,2-Dimethylbenzene)	TRG		95-47-6	260	500000	1 U	1.1 U	0.92 U	1.5 U	2200 U	93 U	0.96 U	0.95 U	1.1 U	0.97 U	**9600**	0.98 U	1.2 UJ	0.96 U	0.92 U
Styrene	TRG		100-42-5	NE	NE	2 U	2.2 U	1.8 U	3.1 U	2200 U	93 U	1.9 U	1.9 U	2.2 U	1.9 U	100 U	2 U	2.4 UJ	1.9 U	1.8 U
Tert-Butyl Methyl Ether	TRG		1634-04-4	930	500000	1 U	1.1 U	0.92 U	1.5 U	1100 U	46 U	0.96 U	0.95 U	1.1 U	0.97 U	50 U	0.98 U	1.2 U	0.96 U	0.92 U
Tetrachloroethylene (PCE)	TRG		127-18-4	1300	150000	2 U	2.2 U	1.8 U	3.1 U	2200 U	93 U	1.9 U	1.9 U	2.2 U	1.9 U	100 U	2 U	2.4 UJ	1.9 U	1.8 U
Toluene	TRG		108-88-3	700	500000	1 U	1.1 U	0.92 U	**120**	2200 U	93 U	0.96 U	0.95 U	1.1 U	0.97 U	**1600**	0.98 U	**16**	0.96 U	0.92 U
Trans-1,2-Dichloroethene	TRG		156-60-5	190	500000	2 U	2.2 U	1.8 U	3.1 U	2200 U	93 U	1.9 U	1.9 U	2.2 U	1.9 U	100 U	2 U	2.4 U	1.9 U	1.8 U
Trans-1,3-Dichloropropene	TRG		10061-02-6	NE	NE	2 U	2.2 U	1.8 U	3.1 U	2200 U	93 U	1.9 U	1.9 U	2.2 U	1.9 U	100 U	2 U	2.4 UJ	1.9 U	1.8 U
Trichloroethylene (TCE)	TRG		79-01-6	470	200000	2 U	2.2 U	1.8 U	3.1 U	2200 U	93 U	1.9 U	1.9 U	2.2 U	1.9 U	100 U	2 U	2.4 U	1.9 U	1.8 U
Trichlorofluoromethane	TRG		75-69-4	NE	NE	2 U	2.2 U	1.8 U	3.1 U	2200 U	93 U	1.9 U	1.9 U	2.2 U	1.9 U	100 U	2 U	2.4 U	1.9 U	1.8 U
Vinyl Chloride	TRG		75-01-4	20	13000	2 U	2.2 U	1.8 U	3.1 U	2200 U	93 U	1.9 U	1.9 U	2.2 U	1.9 U	100 U	2 U	2.4 U	1.9 U	1.8 U
Xylenes	TRG		1330-20-7	260	500000	1 U	1.1 U	0.92 U	1.5 U	2200 U	93 U	0.96 U	0.95 U	**1.5**	0.97 U	**26600**	0.98 U	1.2 UJ	0.96 U	0.92 U
Total VOCs	TRG		TVOC	NE	NE	0	0	0	**120**	**350000**	**1000**	**70.5**	**2.1**	**27.2**	0	**68300**	0	**16**	0	0

Table 5-2
Summary of Soil Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

Location Name						SW-02	SW-03	SW-04	SW-04	SW-05	SW-05	SW-05	SW-05	SW-06	SW-06	SW-07	SW-07	SW-08	SW-08	SW-09
Sample Name						SW-3 (28-30)	SW-3 (8-9)	SW-4 (28-30)	SW-4 (9-10)	SW-5 (19-21)	SW-5 (21-25)	SW-5 (28-30)	SW-5 (38-40)	SW-6 (10-11)	SW-6 (28-30)	SW-7 (10-11)	SW-7 (28-30)	SW-8 (10-11)	SW-8 (28-30)	2015_07-01 DUP
Sample Date						7/1/2015	7/1/2015	6/30/2015	6/30/2015	7/9/2015	7/9/2015	7/9/2015	7/9/2015	6/30/2015	6/30/2015	6/30/2015	6/30/2015	7/1/2015	7/1/2015	7/1/2015
Parent Sample																				SW-9 (12-13)-5070208
Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO															
(Cyclopentylmethyl)Cyclohexane	TIC		4431-89-4	NE	NE															
1,1,4,4-Tetramethyl-2,3,4,5,6,7-hexahyd	TIC		85329-77-7	NE	NE															
1,1'-Bicycloheptyl	TIC		23183-11-1	NE	NE									**5.4 NJ**						
1,2,3,4-Tetrahydro-2,7-Dimethyl Naphthalene	TIC		13065-07-1	NE	NE															
1,2,3-Trimethyl Benzene	TIC		526-73-8	NE	NE											**8200 NJ**				
1,2,4,5-Tetramethylbenzene	TIC		95-93-2	NE	NE															
1,2,4-Trimethylbenzene	TIC		95-63-6	3600	190000											**18000 NJ**				
1,3,5-Trimethylbenzene (Mesitylene)	TIC		108-67-8	8400	190000											**7200 NJ**				
1,3,6-Octatriene, 3,7-dimethyl-, (Z)-	TIC		3338-55-4	NE	NE													**5.4 NJ**		
1,3,7-OCTATRIENE, 3,7-DIMETHYL-	TIC		502-99-8	NE	NE									**3.8 NJ**						
1,3-Diethyl Benzene	TIC		141-93-5	NE	NE											**2900 NJ**				
1,3-Diethyl-5-Methylbenzene	TIC		2050-24-0	NE	NE															
1,3-Pentadiene, (Z)-	TIC		504-60-9	NE	NE															
1,4-Diethyl Benzene	TIC		105-05-5	NE	NE															
1-Decanol, 2-ethyl-	TIC		21078-65-9	NE	NE															
1-Ethyl-2,3-Dimethylbenzene	TIC		933-98-2	NE	NE															
1H-Indene, 2,3-Dihydro-4,7-Dimethyl-	TIC		6682-71-9	NE	NE															
1-Methylnaphthalene	TIC		90-12-0	NE	NE															
1-Octanol, 2-butyl-	TIC		2/8/3913	NE	NE															
1-Pentene	TIC		109-67-1	NE	NE															
2,2,5-Trimethyl Hexane	TIC		3522-94-9	NE	NE															
2,2-Dimethylbutane	TIC		75-83-2	NE	NE															
2,3,6-Trimethyl Octane	TIC		62016-33-5	NE	NE															
2,5-Dimethylundecane	TIC		17301-22-3	NE	NE															
2,6-Dimethyl Octane	TIC		2051-30-1	NE	NE															
2,6-Dimethylundecane	TIC		17301-23-4	NE	NE															
2,7,10-Trimethyl Dodecane	TIC		74645-98-0	NE	NE															
2-Ethyl-1,4-Dimethyl Benzene	TIC		1758-88-9	NE	NE															
2-Ethylhexyl Aldehyde	TIC		123-05-7	NE	NE															
2-Heptanone	TIC		110-43-0	NE	NE											**1700 NJ**				
2-Methyl Nonane	TIC		871-83-0	NE	NE									**3.6 NJ**						
2-Methyl-1,3-Butadiene (Isoprene)	TIC		78-79-5	NE	NE															
3-Carene	TIC		13466-78-9	NE	NE				**36 NJ**									**10 NJ**		
3-Ethyl-2-Methyl-Heptane	TIC		14676-29-0	NE	NE															
3-Methyl Decane	TIC		13151-34-3	NE	NE				**5.9 NJ**											
4-(2,6,6-Trimethyl-1-Cyclohexen-1-Yl)-3-Buten-2-One	TIC		14901-07-6	NE	NE															
4-Ethyltoluene	TIC		622-96-8	NE	NE											**4500 NJ**				
4-Methyl Decane	TIC		2847-72-5	NE	NE															
4-Methyl Dodecane	TIC		6117-97-1	NE	NE															
4-Methyl-Nonane	TIC		17301-94-9	NE	NE															
5-Octadecene, (E)-	TIC		7206-21-5	NE	NE															
5-Octadecyne	TIC		71899-42-8	NE	NE															
6-Methylpentadecane	TIC		10105-38-1	NE	NE															
6-Methyltetralin	TIC		1680-51-9	NE	NE															
Benzene, 1,3,5-tris(1-methylethyl)-	TIC		717-74-8	NE	NE															
Bornylene	TIC		464-17-5	NE	NE															
Camphene	TIC		79-92-5	NE	NE				**25 NJ**									**27 NJ**		
Cyclohexane, 1-methyl-4-(1-methylethyl)	TIC		6069-98-3	NE	NE													**100 NJ**		
Cyclopentane	TIC		287-92-3	NE	NE															
Cyclopentane, (1-methylbutyl)-	TIC		4737-43-3	NE	NE															
Cyclopentane, 1,2-dimethyl-3-(1-methyle	TIC		489-20-3	NE	NE															
Decahydro Naphthalene	TIC		91-17-8	NE	NE															
Decane, 5-ethyl-5-methyl-	TIC		17312-74-2	NE	NE															
Diethyl Ether (Ethyl Ether)	TIC		60-29-7	NE	NE															
Dodecane, 4,6-Dimethyl-	TIC		61141-72-8	NE	NE															
ENDOISOCAMPHANE	TIC		20536-40-7	NE	NE									**90 NJ**				**56 NJ**		
Isobutyraldehyde	TIC		78-84-2	NE	NE															
Isopropylbenzene	TIC		00098-82-8	NE	NE											**11000 NJ**				
Limonene	TIC		138-86-3	NE	NE															
M-Cymene	TIC		535-77-3	NE	NE															
Naphthalene	TIC		91-20-3	12000	500000															
N-Butyl Acetate	TIC		123-86-4	NE	NE											**7700 NJ**				

Table 5-2
Summary of Soil Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	SW-02	SW-03	SW-04	SW-04	SW-05	SW-05	SW-05	SW-05	SW-06	SW-06	SW-07	SW-07	SW-08	SW-08	SW-09
					Sample Name	SW-3 (28-30)	SW-3 (8-9)	SW-4 (28-30)	SW-4 (9-10)	SW-5 (19-21)	SW-5 (21-25)	SW-5 (28-30)	SW-5 (38-40)	SW-6 (10-11)	SW-6 (28-30)	SW-7 (10-11)	SW-7 (28-30)	SW-8 (10-11)	SW-8 (28-30)	2015_07-01 DUP
					Sample Date	7/1/2015	7/1/2015	6/30/2015	6/30/2015	7/9/2015	7/9/2015	7/9/2015	7/9/2015	6/30/2015	6/30/2015	6/30/2015	6/30/2015	7/1/2015	7/1/2015	7/1/2015
					Parent Sample															SW-9 (12-13)-5070208
Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO															
N-Decane	TIC		124-18-5	NE	NE															
N-Hexane	TIC		110-54-3	NE	NE															
N-Nonane	TIC		111-84-2	NE	NE															
N-Octane	TIC		111-65-9	NE	NE													**13 NJ**		
N-Propylbenzene	TIC		103-65-1	3900	500000											**1600 NJ**				
N-Undecane	TIC		1120-21-4	NE	NE															
Octamethylcyclotetrasiloxane	TIC		556-67-2	NE	NE															
Squalane	TIC		111-01-3	NE	NE															
Trans-Decahydro-Naphthalene	TIC		493-02-7	NE	NE															
Tricyclo[4.3.1.1(3,8)]undecane-1-carbox	TIC		31083-60-0	NE	NE															
Unknown With 1st Highest Conc.	TIC		UNKNOWN1	NE	NE				**10 J**					**11 J**			**3.5 J**	**4.4 J**		
Unknown With 2nd Highest Conc.	TIC		UNKNOWN2	NE	NE				**25 J**					**4 J**				**4.5 J**		
Unknown With 3rd Highest Conc.	TIC		UNKNOWN3	NE	NE				**4.8 J**					**4.2 J**				**5.2 J**		
Unknown With 4th Highest Conc.	TIC		UNKNOWN4	NE	NE				**9.1 J**					**5.9 J**						
Unknown With 5th Highest Conc.	TIC		UNKNOWN5	NE	NE															
Unknown With 6th Highest Conc.	TIC		UNKNOWN6	NE	NE															

Table 5-2
Summary of Soil Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	SW-09	SW-09	SW-10	SW-10
					Sample Name	SW-9 (12-13)	SW-9 (28-30)	SW-10 (12-14)	SW-10 (28-30)
					Sample Date	7/1/2015	7/1/2015	7/9/2015	7/9/2015
					Parent Sample				
Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO				
SSO_VOC		ug/kg							
1,1,1-Trichloroethane	TRG		71-55-6	680	500000	1.9 U	2 U	1.8 U	1.8 U
1,1,2,2-Tetrachloroethane	TRG		79-34-5	NE	NE	1.9 U	2 U	1.8 U	1.8 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	TRG		76-13-1	NE	NE	1.9 U	2 U	1.8 U	1.8 U
1,1,2-Trichloroethane	TRG		79-00-5	NE	NE	1.9 U	2 U	1.8 U	1.8 U
1,1-Dichloroethane	TRG		75-34-3	270	240000	1.9 U	2 U	1.8 U	1.8 U
1,1-Dichloroethene	TRG		75-35-4	330	500000	1.9 U	2 U	1.8 U	1.8 U
1,2,3-Trichlorobenzene	TRG		87-61-6	NE	NE	1.9 U	2 U	1.8 U	1.8 U
1,2,4-Trichlorobenzene	TRG		120-82-1	NE	NE	1.9 U	2 U	1.8 U	1.8 U
1,2-Dibromo-3-Chloropropane	TRG		96-12-8	NE	NE	1.9 U	2 U	1.8 U	1.8 U
1,2-Dibromoethane (Ethylene Dibromide)	TRG		106-93-4	NE	NE	1.9 U	2 U	1.8 U	1.8 U
1,2-Dichlorobenzene	TRG		95-50-1	1100	500000	1.9 U	2 U	1.8 U	1.8 U
1,2-Dichloroethane	TRG		107-06-2	20	30000	1.9 U	2 U	1.8 U	1.8 U
1,2-Dichloropropane	TRG		78-87-5	NE	NE	1.9 U	2 U	1.8 U	1.8 U
1,3-Dichlorobenzene	TRG		541-73-1	2400	280000	1.9 U	2 U	1.8 U	1.8 U
1,4-Dichlorobenzene	TRG		106-46-7	1800	130000	1.9 U	2 U	1.8 U	1.8 U
1,4-Dioxane (P-Dioxane)	TRG		123-91-1	100	130000	96 R	98 R	88 R	91 R
2-Hexanone	TRG		591-78-6	NE	NE	1.9 U	2 U	1.8 U	1.8 U
Acetone	TRG		67-64-1	50	500000	9.6 U	9.8 U	120 U	16 U
Benzene	TRG		71-43-2	60	44000	0.96 U	0.98 U	0.88 U	0.91 U
Bromochloromethane	TRG		74-97-5	NE	NE	1.9 U	2 U	1.8 U	1.8 U
Bromodichloromethane	TRG		75-27-4	NE	NE	1.9 U	2 U	1.8 U	1.8 U
Bromoform	TRG		75-25-2	NE	NE	1.9 U	2 U	1.8 U	1.8 U
Bromomethane	TRG		74-83-9	NE	NE	1.9 U	2 U	1.8 U	1.8 U
Carbon Disulfide	TRG		75-15-0	NE	NE	1.9 U	2 U	**3.9**	1.8 U
Carbon Tetrachloride	TRG		56-23-5	760	22000	1.9 U	2 U	1.8 U	1.8 U
Chlorobenzene	TRG		108-90-7	1100	500000	1.9 U	2 U	1.8 U	1.8 U
Chloroethane	TRG		75-00-3	NE	NE	1.9 U	2 U	1.8 U	1.8 U
Chloroform	TRG		67-66-3	370	350000	1.9 U	2 U	1.8 U	1.8 U
Chloromethane	TRG		74-87-3	NE	NE	1.9 U	2 U	1.8 U	1.8 U
Cis-1,2-Dichloroethylene	TRG		156-59-2	250	500000	1.9 U	2 U	1.8 U	1.8 U
Cis-1,3-Dichloropropene	TRG		10061-01-5	NE	NE	1.9 U	2 U	1.8 U	1.8 U
Cyclohexane	TRG		110-82-7	NE	NE	1.9 U	2 U	1.8 U	1.8 U
Dibromochloromethane	TRG		124-48-1	NE	NE	1.9 U	2 U	1.8 U	1.8 U
Dichlorodifluoromethane	TRG		75-71-8	NE	NE	1.9 U	2 U	1.8 U	1.8 U
Ethylbenzene	TRG		100-41-4	1000	390000	0.96 U	0.98 U	0.88 U	0.91 U
Isopropylbenzene (Cumene)	TRG		98-82-8	NE	NE	0.96 U	0.98 U	0.88 U	0.91 U
Methyl Acetate	TRG		79-20-9	NE	NE	1.9 U	2 U	1.8 U	1.8 U
Methyl Ethyl Ketone (2-Butanone)	TRG		78-93-3	120	500000	1.9 U	2 U	1.8 U	1.8 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	TRG		108-10-1	NE	NE	1.9 U	2 U	1.8 U	1.8 U
Methylcyclohexane	TRG		108-87-2	NE	NE	1.9 U	2 U	1.8 U	1.8 U
Methylene Chloride	TRG		75-09-2	50	500000	6.1 U	8.5 U	50 U	21 U
M-P-Xylene	TRG		136777-61-2	NE	NE	0.96 U	0.98 U	0.88 U	0.91 U
O-Xylene (1,2-Dimethylbenzene)	TRG		95-47-6	260	500000	0.96 U	0.98 U	0.88 U	0.91 U
Styrene	TRG		100-42-5	NE	NE	1.9 U	2 U	1.8 U	1.8 U
Tert-Butyl Methyl Ether	TRG		1634-04-4	930	500000	0.96 U	0.98 U	0.88 U	0.91 U
Tetrachloroethylene (PCE)	TRG		127-18-4	1300	150000	1.9 U	2 U	1.8 U	1.8 U
Toluene	TRG		108-88-3	700	500000	0.96 U	0.98 U	**1.4**	0.91 U
Trans-1,2-Dichloroethene	TRG		156-60-5	190	500000	1.9 U	2 U	1.8 U	1.8 U
Trans-1,3-Dichloropropene	TRG		10061-02-6	NE	NE	1.9 U	2 U	1.8 U	1.8 U
Trichloroethylene (TCE)	TRG		79-01-6	470	200000	1.9 U	2 U	1.8 U	1.8 U
Trichlorofluoromethane	TRG		75-69-4	NE	NE	1.9 U	2 U	1.8 U	1.8 U
Vinyl Chloride	TRG		75-01-4	20	13000	1.9 U	2 U	1.8 U	1.8 U
Xylenes	TRG		1330-20-7	260	500000	0.96 U	0.98 U	0.88 U	0.91 U
Total VOCs	TRG		TVOC	NE	NE	0	0	**5.3**	0

Table 5-2
Summary of Soil Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	SW-09	SW-09	SW-10	SW-10
					Sample Name	SW-9 (12-13)	SW-9 (28-30)	SW-10 (12-14)	SW-10 (28-30)
					Sample Date	7/1/2015	7/1/2015	7/9/2015	7/9/2015
					Parent Sample				
Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO				
(Cyclopentylmethyl)Cyclohexane	TIC		4431-89-4	NE	NE				
1,1,4,4-Tetramethyl-2,3,4,5,6,7-hexahyd	TIC		85329-77-7	NE	NE				
1,1'-Bicycloheptyl	TIC		23183-11-1	NE	NE				
1,2,3,4-Tetrahydro-2,7-Dimethyl Naphthalene	TIC		13065-07-1	NE	NE				
1,2,3-Trimethyl Benzene	TIC		526-73-8	NE	NE				
1,2,4,5-Tetramethylbenzene	TIC		95-93-2	NE	NE				
1,2,4-Trimethylbenzene	TIC		95-63-6	3600	190000				
1,3,5-Trimethylbenzene (Mesitylene)	TIC		108-67-8	8400	190000				
1,3,6-Octatriene, 3,7-dimethyl-, (Z)-	TIC		3338-55-4	NE	NE				
1,3,7-OCTATRIENE, 3,7-DIMETHYL-	TIC		502-99-8	NE	NE				
1,3-Diethyl Benzene	TIC		141-93-5	NE	NE				
1,3-Diethyl-5-Methylbenzene	TIC		2050-24-0	NE	NE				
1,3-Pentadiene, (Z)-	TIC		504-60-9	NE	NE				
1,4-Diethyl Benzene	TIC		105-05-5	NE	NE				
1-Decanol, 2-ethyl-	TIC		21078-65-9	NE	NE				
1-Ethyl-2,3-Dimethylbenzene	TIC		933-98-2	NE	NE				
1H-Indene, 2,3-Dihydro-4,7-Dimethyl-	TIC		6682-71-9	NE	NE				
1-Methylnaphthalene	TIC		90-12-0	NE	NE				
1-Octanol, 2-butyl-	TIC		2/8/3913	NE	NE				
1-Pentene	TIC		109-67-1	NE	NE				
2,2,5-Trimethyl Hexane	TIC		3522-94-9	NE	NE				
2,2-Dimethylbutane	TIC		75-83-2	NE	NE				
2,3,6-Trimethyl Octane	TIC		62016-33-5	NE	NE				
2,5-Dimethylundecane	TIC		17301-22-3	NE	NE				
2,6-Dimethyl Octane	TIC		2051-30-1	NE	NE				
2,6-Dimethylundecane	TIC		17301-23-4	NE	NE				
2,7,10-Trimethyl Dodecane	TIC		74645-98-0	NE	NE				
2-Ethyl-1,4-Dimethyl Benzene	TIC		1758-88-9	NE	NE				
2-Ethylhexyl Aldehyde	TIC		123-05-7	NE	NE				
2-Heptanone	TIC		110-43-0	NE	NE				
2-Methyl Nonane	TIC		871-83-0	NE	NE				
2-Methyl-1,3-Butadiene (Isoprene)	TIC		78-79-5	NE	NE				
3-Carene	TIC		13466-78-9	NE	NE				
3-Ethyl-2-Methyl-Heptane	TIC		14676-29-0	NE	NE				
3-Methyl Decane	TIC		13151-34-3	NE	NE				
4-(2,6,6-Trimethyl-1-Cyclohexen-1-Yl)-3-Buten-2-One	TIC		14901-07-6	NE	NE				
4-Ethyltoluene	TIC		622-96-8	NE	NE				
4-Methyl Decane	TIC		2847-72-5	NE	NE				
4-Methyl Dodecane	TIC		6117-97-1	NE	NE				
4-Methyl-Nonane	TIC		17301-94-9	NE	NE				
5-Octadecene, (E)-	TIC		7206-21-5	NE	NE				
5-Octadecyne	TIC		71899-42-8	NE	NE				
6-Methylpentadecane	TIC		10105-38-1	NE	NE				
6-Methyltetralin	TIC		1680-51-9	NE	NE				
Benzene, 1,3,5-tris(1-methylethyl)-	TIC		717-74-8	NE	NE				
Bornylene	TIC		464-17-5	NE	NE				
Camphene	TIC		79-92-5	NE	NE				
Cyclohexane, 1-methyl-4-(1-methylethyl)	TIC		6069-98-3	NE	NE				
Cyclopentane	TIC		287-92-3	NE	NE				
Cyclopentane, (1-methylbutyl)-	TIC		4737-43-3	NE	NE				
Cyclopentane, 1,2-dimethyl-3-(1-methyle	TIC		489-20-3	NE	NE				
Decahydro Naphthalene	TIC		91-17-8	NE	NE				
Decane, 5-ethyl-5-methyl-	TIC		17312-74-2	NE	NE				
Diethyl Ether (Ethyl Ether)	TIC		60-29-7	NE	NE				
Dodecane, 4,6-Dimethyl-	TIC		61141-72-8	NE	NE				
ENDOISOCAMPHANE	TIC		20536-40-7	NE	NE				
Isobutyraldehyde	TIC		78-84-2	NE	NE				
Isopropylbenzene	TIC		00098-82-8	NE	NE				
Limonene	TIC		138-86-3	NE	NE				
M-Cymene	TIC		535-77-3	NE	NE				
Naphthalene	TIC		91-20-3	12000	500000				
N-Butyl Acetate	TIC		123-86-4	NE	NE				

Table 5-2
Summary of Soil Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	SW-09	SW-09	SW-10	SW-10
					Sample Name	SW-9 (12-13)	SW-9 (28-30)	SW-10 (12-14)	SW-10 (28-30)
					Sample Date	7/1/2015	7/1/2015	7/9/2015	7/9/2015
					Parent Sample				
Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO				
N-Decane	TIC		124-18-5	NE	NE				
N-Hexane	TIC		110-54-3	NE	NE				
N-Nonane	TIC		111-84-2	NE	NE				
N-Octane	TIC		111-65-9	NE	NE				
N-Propylbenzene	TIC		103-65-1	3900	500000				
N-Undecane	TIC		1120-21-4	NE	NE				
Octamethylcyclotetrasiloxane	TIC		556-67-2	NE	NE				
Squalane	TIC		111-01-3	NE	NE				
Trans-Decahydro-Naphthalene	TIC		493-02-7	NE	NE				
Tricyclo[4.3.1.1(3,8)]undecane-1-carbox	TIC		31083-60-0	NE	NE				
Unknown With 1st Highest Conc.	TIC		UNKNOWN1	NE	NE		**6.2 J**		
Unknown With 2nd Highest Conc.	TIC		UNKNOWN2	NE	NE				
Unknown With 3rd Highest Conc.	TIC		UNKNOWN3	NE	NE				
Unknown With 4th Highest Conc.	TIC		UNKNOWN4	NE	NE				
Unknown With 5th Highest Conc.	TIC		UNKNOWN5	NE	NE				
Unknown With 6th Highest Conc.	TIC		UNKNOWN6	NE	NE				

Table 5-2
Summary of Soil Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

Notes:

Analytes in blue are not detected in any sample
mg/kg = milligrams/kilogram or parts per million (ppm)
ug/kg = micrograms/kilogram or parts per billion (ppb)
mg/l - milligrams/liter or parts be million (ppm)
su = standard units

PCB = Polychlorinated Biphenyl
SVOC = Semi-Volatile Organic Compound
TCLP = Toxicity Characteristic Leaching Procedure
VOC = Volatile Organic Compound

Total VOCs and Total SVOCs are calculated using detects only.
6 NYCRR = New York State Register and Official Compilation of Codes, Rules and Regulations of the State of New York
Comparison of detected results are performed against one or more of the following NYCRR, Chapter IV, Part 375-6 Soil Cleanup Objectives (SCO)s: Unrestricted Use, Residential, Restricted-Residential, Commercial, Industrial, Protection of Ecological Resources, or Protection of Groundwater

CAS No. = Chemical Abstracts Service Number
ND = Not Detected
NE = Not Established
TIC = Tentatively Identified Compound

Bolding indicates a detected result concentration
Shading and bolding indicates that the detected concentration is above the NYSDEC guidance it was compared to
Gray shading and bolding indicates that the detected result value exceeds the Unrestricted SCO
Yellow shading and bolding indicates that the detected result value exceeds both Unrestricted SCO and the Commercial SCO

Data Qualifiers:
A = Indicates Tentatively Identified Compounds that are suspected to be Aldol Condensation Products.
B = Indicates the analyte is detected in the associated blank as well as in the sample
J- = The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
J = The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
NJ = The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as potential false positive and/or elevated quantitative value.
R = The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.
U = The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
UJ = The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
Y = Indicates a contaminant found in the blank at less than 10% of the concentration of a contaminant found in the sample.

Table 5-3
Summary of Soil Semivolatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO	Location Name Sample Name Sample Date Parent Sample	DW-21A DW-21A (12-14) 7/9/2015	DW-21A DW-21A (20-22) 7/9/2015	DW-21A DW-21A (28-30) 7/9/2015	IP-01 IP-1 (0-2) 7/15/2015	IP-01 IP-1 (2-4) 7/15/2015	IP-02 IP-2 (0-2) 7/15/2015	IP-02 IP-2 (6-8) 7/15/2015	IP-03 IP-3 (0-2) 7/15/2015	IP-03 IP-3 (4-8) 7/15/2015	IP-04 IP-4 (0-2) 7/15/2015	IP-04 IP-4 (6-8) 7/15/2015	IP-05 IP-5 (0-2) 7/15/2015	IP-05 IP-5 (4-8) 7/15/2015	IP-06 2015-07-15-DUP 7/15/2015 IP-6 (0-2)-5071603	IP-06 IP-6 (0-2) 7/15/2015	IP-06 IP-6 (4-6) 7/15/2015	IP-07 IP-7 (0-2) 7/15/2015
SSO_SVOC		ug/kg																					
1,2,4,5-Tetrachlorobenzene	TRG		95-94-3	NE	NE		43 U	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
2,3,4,6-Tetrachlorophenol	TRG		58-90-2	NE	NE		43 U	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
2,4,5-Trichlorophenol	TRG		95-95-4	NE	NE		43 U	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 R	35 UJ
2,4,6-Trichlorophenol	TRG		88-06-2	NE	NE		43 U	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 R	35 UJ
2,4-Dichlorophenol	TRG		120-83-2	NE	NE		11 U	8.9 U	8.7 U	9 U	27 U	9.1 U	8.5 U	8.9 U	8.5 U	9 U	8.4 U	27 U	8.6 U	8.8 U	8.9 U	18 R	8.7 UJ
2,4-Dimethylphenol	TRG		105-67-9	NE	NE		11 U	8.9 U	8.7 U	9 U	27 U	9.1 U	8.5 U	8.9 U	8.5 U	9 U	8.4 U	27 U	8.6 U	8.8 U	8.9 U	18 R	8.7 UJ
2,4-Dinitrophenol	TRG		51-28-5	NE	NE		210 U	180 U	170 U	180 U	540 U	180 U	170 U	180 U	170 U	180 U	170 U	540 U	170 U	180 U	180 U	350 R	170 UJ
2,4-Dinitrotoluene	TRG		121-14-2	NE	NE		43 U	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
2,6-Dinitrotoluene	TRG		606-20-2	NE	NE		43 U	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
2-Chloronaphthalene	TRG		91-58-7	NE	NE		43 U	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
2-Chlorophenol	TRG		95-57-8	NE	NE		43 U	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 R	35 UJ
2-Methylnaphthalene	TRG		91-57-6	NE	NE		43 U	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	**130**	34 U	35 U	35 U	70 U	35 UJ
2-Methylphenol (O-Cresol)	TRG		95-48-7	330	500000		11 U	8.9 U	8.7 U	9 U	27 U	9.1 U	8.5 U	8.9 U	8.5 U	9 U	8.4 U	27 U	8.6 U	8.8 U	8.9 U	18 R	8.7 UJ
2-Nitroaniline	TRG		88-74-4	NE	NE		43 U	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
2-Nitrophenol	TRG		88-75-5	NE	NE		43 U	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 R	35 UJ
3,3'-Dichlorobenzidine	TRG		91-94-1	NE	NE		43 U	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
3-Nitroaniline	TRG		99-09-2	NE	NE		43 U	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
4,6-Dinitro-2-Methylphenol	TRG		534-52-1	NE	NE		210 U	180 U	170 U	180 U	540 U	180 U	170 U	180 U	170 U	180 U	170 U	540 U	170 U	180 U	180 U	350 U	170 UJ
4-Bromophenyl Phenyl Ether	TRG		101-55-3	NE	NE		43 U	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
4-Chloro-3-Methylphenol	TRG		59-50-7	NE	NE		43 U	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
4-Chloroaniline	TRG		106-47-8	NE	NE		11 U	8.9 UJ	8.7 U	9 U	27 U	9.1 U	8.5 U	8.9 U	8.5 U	9 U	8.4 U	27 U	8.6 U	8.8 U	8.9 U	18 U	8.7 UJ
4-Chlorophenyl Phenyl Ether	TRG		7005-72-3	NE	NE		43 U	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
4-Methylphenol (P-Cresol)	TRG		106-44-5	330	500000		11 U	8.9 U	8.7 U	9 U	27 U	9.1 U	8.5 U	8.9 U	8.5 U	9 U	8.4 U	27 U	8.6 U	8.8 U	8.9 U	18 R	8.7 UJ
4-Nitroaniline	TRG		100-01-6	NE	NE		43 U	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
4-Nitrophenol	TRG		100-02-7	NE	NE		43 U	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 R	35 UJ
Acenaphthene	TRG		83-32-9	20000	500000		43 U	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
Acenaphthylene	TRG		208-96-8	100000	500000		43 U	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
Acetophenone	TRG		98-86-2	NE	NE		43 U	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
Anthracene	TRG		120-12-7	100000	500000		43 U	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
Atrazine	TRG		1912-24-9	NE	NE		43 U	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
Benzaldehyde	TRG		100-52-7	NE	NE		43 U	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
Benzo(A)Anthracene	TRG		56-55-3	1000	5600		**130**	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
Benzo(A)Pyrene	TRG		50-32-8	1000	1000		**130**	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
Benzo(B)Fluoranthene	TRG		205-99-2	1000	5600		**260**	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
Benzo(G,H,I)Perylene	TRG		191-24-2	100000	500000		**170**	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
Benzo(K)Fluoranthene	TRG		207-08-9	800	56000		**65**	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
Benzyl Butyl Phthalate	TRG		85-68-7	NE	NE		43 U	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
Biphenyl (Diphenyl)	TRG		92-52-4	NE	NE		43 U	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
Bis(2-Chloroethoxy) Methane	TRG		111-91-1	NE	NE		43 U	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	TRG		111-44-4	NE	NE		11 U	8.9 U	8.7 U	9 U	27 U	9.1 U	8.5 U	8.9 U	8.5 U	9 U	8.4 U	27 U	8.6 U	8.8 U	8.9 U	18 U	8.7 UJ
Bis(2-Chloroisopropyl) Ether	TRG		108-60-1	NE	NE		43 U	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
Bis(2-Ethylhexyl) Phthalate	TRG		117-81-7	NE	NE		**1100**	35 U	35 U	36 U	110 U	36 U	34 U	**38**	34 U	36 U	34 U	**4000**	**320**	35 U	35 U	70 U	35 UJ
Caprolactam	TRG		105-60-2	NE	NE		43 U	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
Carbazole	TRG		86-74-8	NE	NE		43 U	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
Chrysene	TRG		218-01-9	1000	56000		**170**	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
Dibenz(A,H)Anthracene	TRG		53-70-3	330	560		43 U	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
Dibenzofuran	TRG		132-64-9	7000	350000		11 U	8.9 U	8.7 U	9 U	27 U	9.1 U	8.5 U	8.9 U	8.5 U	9 U	8.4 U	27 U	8.6 U	8.8 U	8.9 U	18 U	8.7 UJ
Diethyl Phthalate	TRG		84-66-2	NE	NE		43 U	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
Dimethyl Phthalate	TRG		131-11-3	NE	NE		43 U	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
Di-N-Butyl Phthalate	TRG		84-74-2	NE	NE		**20**	8.9 U	8.7 U	9 U	27 U	**29**	**22**	**33**	8.5 U	9 U	8.4 U	27 U	8.6 U	8.8 U	**23**	**36**	8.7 UJ
Di-N-Octylphthalate	TRG		117-84-0	NE	NE		43 U	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
Fluoranthene	TRG		206-44-0	100000	500000		**230**	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
Fluorene	TRG		86-73-7	30000	500000		43 U	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
Hexachlorobenzene	TRG		118-74-1	330	6000		43 U	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
Hexachlorobutadiene	TRG		87-68-3	NE	NE		43 U	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
Hexachlorocyclopentadiene	TRG		77-47-4	NE	NE		43 U	35 U	35 U	70 UJ	210 U	71 U	67 U	70 UJ	67 UJ	70 UJ	66 U	210 UJ	67 U	69 UJ	70 UJ	140 UJ	68 UJ
Hexachloroethane	TRG		67-72-1	NE	NE		43 U	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
Indeno(1,2,3-C,D)Pyrene	TRG		193-39-5	500	5600		**120**	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
Isophorone	TRG		78-59-1	NE	NE		43 U	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
Naphthalene	TRG		91-20-3	12000	500000		11 U	8.9 U	8.7 U	9 U	27 U	9.1 U	8.5 U	8.9 U	8.5 U	9 U	8.4 U	**100**	8.6 U	8.8 U	8.9 U	18 U	8.7 UJ
Nitrobenzene	TRG		98-95-3	NE	NE		43 U	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
N-Nitrosodi-N-Propylamine	TRG		621-64-7	NE	NE		11 U	8.9 U	8.7 U	9 U	27 U	9.1 U	8.5 U	8.9 U	8.5 U	9 U	8.4 U	27 U	8.6 U	8.8 U	8.9 U	18 U	8.7 UJ
N-Nitrosodiphenylamine	TRG		86-30-6	NE	NE		43 U	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
Pentachlorophenol	TRG		87-86-5	800	6700		210 U	180 U	170 U	180 U	540 U	180 U	170 U	180 U	170 U	180 U	170 U	540 U	170 U	180 U	180 U	350 R	170 UJ
Phenanthrene	TRG		85-01-8	100000	500000		**120**	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
Phenol	TRG		108-95-2	330	500000		43 U	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 R	35 UJ
Pyrene	TRG		129-00-0	100000	500000		**230**	35 U	35 U	36 U	110 U	36 U	34 U	35 U	34 U	36 U	34 U	110 U	34 U	35 U	35 U	70 U	35 UJ
Total SVOCs	TRG		TSVOC	NE	NE		**2745**	0	0	0	0	**29**	**22**	**71**	0	0	0	**4230**	**320**	0	**23**	**36**	0

Table 5-3
Summary of Soil Semivolatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO	Location Name / Sample Name / Sample Date / Parent Sample	DW-21A DW-21A (12-14) 7/9/2015	DW-21A DW-21A (20-22) 7/9/2015	DW-21A DW-21A (28-30) 7/9/2015	IP-01 IP-1 (0-2) 7/15/2015	IP-01 IP-1 (2-4) 7/15/2015	IP-02 IP-2 (0-2) 7/15/2015	IP-02 IP-2 (6-8) 7/15/2015	IP-03 IP-3 (0-2) 7/15/2015	IP-03 IP-3 (4-8) 7/15/2015	IP-04 IP-4 (0-2) 7/15/2015	IP-04 IP-4 (6-8) 7/15/2015	IP-05 IP-5 (0-2) 7/15/2015	IP-05 IP-5 (4-8) 7/15/2015	IP-06 2015-07-15-DUP 7/15/2015 IP-6 (0-2)-5071603	IP-06 IP-6 (0-2) 7/15/2015	IP-06 IP-6 (4-6) 7/15/2015	IP-07 IP-7 (0-2) 7/15/2015
(+-)-3,3-Dimethyltricyclo[5.4.0.0(2,9)]	TIC		57768-52-2	NE	NE																		
(+,-)-.beta.-Himachalene	TIC		17928-54-0	NE	NE										**490 J**								
(17Alpha)-A'-Neo-30-Norgammacerane	TIC		53584-60-4	NE	NE	**510 J**																	
(E)- and (Z)-15-Acetonyl-8.alpha.,17-ep	TIC		88034-07-5	NE	NE																		
(Z)-9-Octadecanimide	TIC		301-02-0	NE	NE	**330 J**	**1000 J**		**810 J**	**640 J**	**620 J**	**250 J**	**1600 J**	**1400 J**	**1100 J**	**290 J**		**1200 J**	**850 J**	**970 J**	**2100 J**	
.Alpha.-Ethenylde-1-Naphthalenepropanol	TIC		3650-30-4	NE	NE																		
.alpha.-Gurjunene	TIC		489-40-7	NE	NE															**140 J**			
.beta.-Amyrin	TIC		559-70-6	NE	NE																		
.beta.-Selinene	TIC		17066-67-0	NE	NE																		
.Gamma.-Sitosterol	TIC		83-47-6	NE	NE																		
1,1,2,2-Tetrachloroethane	TIC		79-34-5	NE	NE																		
1,1,2-Trichloroethane	TIC		79-00-5	NE	NE																		
1,1,3,3-TETRAMETHYL-1,3-DISILAINDAN	TIC		54113-93-8	NE	NE																		
1,2,3,3a,5,6,6a,7-Octahydro-1,3a,6-trim	TIC		71583-68-1	NE	NE																		
1,2,3,4-Tetrahydro-7-methoxy-2-methyl-8-(phenylmethoxy) isoquinoline	TIC		36646-87-4	NE	NE								**84 J**										
1,2,3,6-Tetramethyltricyclo[5.4.0.0(3,9	TIC		72523-40-1	NE	NE																		
1,2-Benzenedicarboxylic acid, bis(4-met	TIC		146-50-9	NE	NE																		
1,2-Benzenedicarboxylic acid, bis(8-met	TIC		89-16-7	NE	NE																		
1,2-Benzenedicarboxylic acid, diisodecy	TIC		26761-40-0	NE	NE																		
1,2-Benzenedicarboxylic acid, dinonyl e	TIC		84-76-4	NE	NE																		
1,2-Benzenedicarboxylic acid, isodecyl	TIC		1330-96-7	NE	NE																		
1,2-Dimethyl-3-pentyl-4-propylcyclohexane	TIC		62376-17-4	NE	NE																		
1,3,5-Trimethylbenzene (Mesitylene)	TIC		108-67-8	8400	190000																		
1,3-Dimethylnaphthalene	TIC		575-41-7	NE	NE																		
1,3-Pentanediol, 2,2,4-Trimethyl-	TIC		144-19-4	NE	NE																		
1,3-PROPANEDIOL DIBENZOATE	TIC		2451-86-7	NE	NE																		
1,4,5-Trimethylnaphthalene	TIC		2131-41-1	NE	NE																		
1,4,6-Trimethylnaphthalene	TIC		2131-42-2	NE	NE																		
1,4-Benzenediamine, N,N'-diphenyl-	TIC		74-31-7	NE	NE																		
1,6,7-Trimethylnaphthalene	TIC		2245-38-7	NE	NE																		
1,8-Nonanediol, 8-methyl-	TIC		54725-73-4	NE	NE															**90 J**			
10a.beta.-Hydroxymethyl-7-methoxy-3,3-d	TIC		78661-23-1	NE	NE																		
10-Methoxybenz[a]azulen-1,4-dione	TIC		76319-77-2	NE	NE																		
11-n-Butyldocosane	TIC		13475-76-8	NE	NE																		
16-Octadecenal	TIC		56554-87-1	NE	NE																		
17-Octadecenal	TIC		56554-86-0	NE	NE																		
1-Butoxy-2-Propanol	TIC		5131-66-8	NE	NE																		
1-Dotriacontanol	TIC		6624-79-9	NE	NE																		
1-Eicosyne	TIC		765-27-5	NE	NE																		
1-Ethyltoluene	TIC		611-14-3	NE	NE																		
1-Hexacosanol	TIC		506-52-5	NE	NE																		
1-Hexadecanol	TIC		29354-98-1	NE	NE																		
1H-Purin-6-amine, [(2-fluorophenyl)meth	TIC		74421-44-6	NE	NE																		
1-Nonacosanol	TIC		25154-56-7	NE	NE																		
1-Nonadecene	TIC		18435-45-5	NE	NE																		
1-Octadecanol	TIC		112-92-5	NE	NE																		
1-Octanol, 2-butyl-	TIC		2/8/3913	NE	NE																		
1-Stearoyl-1,2,4-triazole	TIC		60718-55-0	NE	NE																		
2,2'-Dimethyl-4,4',5,5'-tetramethoxybip	TIC		62012-51-5	NE	NE																		
2,3,6-Trimethylnapthalene	TIC		829-26-5	NE	NE																		
2,3-Dihydro-1,1,3-trimethyl-3-phenyl-1H-Indene	TIC		3910-35-8	NE	NE													**540 J**					
2,4-DIOCTYLPHENOL	TIC		29988-16-7	NE	NE																		
2,4-Pentanedione, 3-(7-acetyl-6-hydroxy	TIC		37645-86-6	NE	NE																		
2,5-Dimethylundecane	TIC		17301-22-3	NE	NE																		
2,6,10,14-Tetramethylhexadecane	TIC		638-36-8	NE	NE																		
2,6,10,15-Tetramethylheptadecane	TIC		54833-48-6	NE	NE																		
2,6,10-Trimethyldodecane	TIC		3891-98-3	NE	NE																		
2,6,11-Trimethyldodecane	TIC		31295-56-4	NE	NE																		
2,6-Dimethyl-6-Nitro-2-Hepten-4-One	TIC		73583-56-9	NE	NE										**680 J**				**170 J**			**2600 J**	
2,6-Dimethyl-Napthalene	TIC		581-42-0	NE	NE																		
2,7,10-Trimethyl Dodecane	TIC		74645-98-0	NE	NE																		
20.xi.-Lanosta-7,9(11)-diene-3.beta.,18	TIC		25116-58-9	NE	NE																		
2-Chloro-p-methoxybiphenyl	TIC		74428-82-3	NE	NE																		
2-Decene, 4-methyl-, (Z)-	TIC		74630-30-1	NE	NE																		
2-Ethyl-1-Hexanol	TIC		104-76-7	NE	NE																		
2-Methyl Decane	TIC		6975-98-0	NE	NE																		
2-Methyl-6-Propyldodecane	TIC		55045-08-4	NE	NE																		
2-Methylanthracene	TIC		613-12-7	NE	NE																		
2-Methylphenol (O-Cresol)	TIC		00095-48-7	NE	NE													**590 J**					
2-Undecene, 2,5-dimethyl-	TIC		49622-16-4	NE	NE																		
3,6,9,12,15-Pentaoxanonadecan-1-Ol	TIC		1786-94-3	NE	NE																		
3,7,11-Tridecatrienenitrile, 4,8,12-tri	TIC		1/5/6006	NE	NE																		
3,7,11-Trimethyldodeca-1,6(E),10-triene	TIC		66633-32-7	NE	NE	**590 J**																	

Table 5-3
Summary of Soil Semivolatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	DW-21A	DW-21A	DW-21A	IP-01	IP-01	IP-02	IP-02	IP-03	IP-03	IP-04	IP-04	IP-05	IP-05	IP-06	IP-06	IP-06	IP-07
					Sample Name	DW-21A (12-14)	DW-21A (20-22)	DW-21A (28-30)	IP-1 (0-2)	IP-1 (2-4)	IP-2 (0-2)	IP-2 (6-8)	IP-3 (0-2)	IP-3 (4-8)	IP-4 (0-2)	IP-4 (6-8)	IP-5 (0-2)	IP-5 (4-8)	2015-07-15-DUP	IP-6 (0-2)	IP-6 (4-6)	IP-7 (0-2)
					Sample Date	7/9/2015	7/9/2015	7/9/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015
					Parent Sample														IP-6 (0-2)-5071603			
Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO																	
3-Azafluorene	TIC		244-42-8	NE	NE																	
3-Eicosene, (E)-	TIC		74685-33-9	NE	NE																	
3-Penten-2-One (Trans)	TIC		3102-33-8	NE	NE									**96 J**						**1000 J**	
3-PHENYLTHIOPENTAN-2-ONE	TIC		62870-22-8	NE	NE																
4-(1,1,3,3-Tetramethylbutyl)Phenol	TIC		140-66-9	NE	NE												**310 J**				
4-(2,6,6-Trimethyl-1-Cyclohexen-1-Yl)-3-Buten-2-One	TIC		14901-07-6	NE	NE					**250 J**											
4,4'-Dimethylbiphenyl	TIC		613-33-2	NE	NE																
4-Chloro-4'-methoxybiphenyl	TIC		58970-19-7	NE	NE																
4-Ethyl-5-methylheptanamide	TIC		54789-40-1	NE	NE																
4-Fluorocumene	TIC		403-39-4	NE	NE															**520 J**	
4H-Cyclopenta[Def]Phenanthrene	TIC		203-64-5	NE	NE																
4-Methyl-9H-Fluorene	TIC		1556-99-6	NE	NE																
4-Methyldibenzofuran	TIC		7320-53-8	NE	NE																
5-Propyltridecane	TIC		55045-11-9	NE	NE																
6-Acetyl-5-hydroxy-1,8-dimethyl-1,2,3,4	TIC		69611-14-9	NE	NE																
6-Propyltridecane	TIC		55045-10-8	NE	NE																
7-Tetradecyne	TIC		35216-11-6	NE	NE																
9,10-Anthracenedione	TIC		84-65-1	NE	NE																
9-Dodecyltetradecahydroanthracene	TIC		55401-75-7	NE	NE																
9-Hexylheptadecane	TIC		55124-79-3	NE	NE																
9H-Fluorene, 2-Methyl-	TIC		1430-97-3	NE	NE																
9-Methylacridine	TIC		611-64-3	NE	NE					**500 J**											
9-Octadecene, (E)-	TIC		7206-25-9	NE	NE																
Acetic Acid, (Triphenylphosphoranylidene	TIC		2605-67-6	NE	NE				**410 J**												
AMORPHANE-A	TIC		34315-85-0	NE	NE					**450 J**											
A'-Neo-30-norgammacerane	TIC		36728-72-0	NE	NE																
Anthanthrene	TIC		191-26-4	NE	NE																
Anthracene, 9-cyclohexyltetradecahydro-	TIC		55255-70-4	NE	NE				**220 J**												
Aristolone	TIC		6831-17-0	NE	NE																
Benzene, 1,1'-(1,2-ethanediyl)bis[3,4-d	TIC		34101-86-5	NE	NE												**400 J**				
Benzeneacetonitrile, .alpha.-methylene-	TIC		495-10-3	NE	NE																
Benzenepentanoic acid, .delta.-oxo-	TIC		1501-05-9	NE	NE																
Benzo(B)Fluorene	TIC		243-17-4	NE	NE																
Benzo[E]Pyrene	TIC		192-97-2	NE	NE																
Benzophenone	TIC		119-61-9	NE	NE															**89 J**	
Benzyl Alcohol	TIC		100-51-6	NE	NE																
Beta-Sitosterol	TIC		83-46-5	NE	NE																
Bisphenol A	TIC		80-05-7	NE	NE	**320 J**	**96 J**	**110 J**													
Butane, 2-ethoxy-	TIC		2679-87-0	NE	NE																
Butanoic acid, 3-oxo-, 1,1-dimethylethy	TIC		1694-31-1	NE	NE									**1900 J**							
Chrysene, 5-Methyl-	TIC		3697-24-3	NE	NE																
Coronene	TIC		191-07-1	NE	NE																
Curan-17-oic acid, 2,16-didehydro-20-hy	TIC		56053-15-7	NE	NE										**100 J**						
Cyclohexane, azido-	TIC		19573-22-9	NE	NE																
Cyclopentane, (4-Octyldodecyl)-	TIC		9/5/5638	NE	NE															**120 J**	
Cyclopentylsilane	TIC		80249-74-7	NE	NE																
Cyclotetracosane	TIC		297-03-0	NE	NE																
D:C-Friedoolean-8-En-3-One	TIC		22611-26-3	NE	NE																
Decamethyl-Cyclopentasiloxane	TIC		541-02-6	NE	NE																
Decanedioic acid	TIC		111-20-6	NE	NE																
D-Friedoolean-14-Ene, 3-Methoxy-, (3.Bet	TIC		14021-23-9	NE	NE																**720 J**
D-Homoandrostane, (5.alpha.,13.alpha.)-	TIC		54482-31-4	NE	NE								**610 J**								
Diacetone Alcohol	TIC		123-42-2	NE	NE					**75000 JAB**	**56000 JAB**	**52000 JAB**				**56000 JAB**		**170000 JAB**			**54000 JAB**
Diisobutyl phthalate	TIC		84-69-5	NE	NE															**73 J**	
Dioctadecyl Ester Phosphonic Acid	TIC		19047-85-9	NE	NE																
DMPA	TIC		24650-42-8	NE	NE				**1200 J**								**1300 J**	**250 J**			
Dodecamethyl Cyclohexasiloxane	TIC		540-97-6	NE	NE																
Dodecanamide	TIC		1120-16-7	NE	NE																**490 J**
ENDOISOCAMPHANE	TIC		20536-40-7	NE	NE																
Ethane, 1-(2,3-xylyl)-1-(3,4-xylyl)-	TIC		2816-98-0	NE	NE																
Ethylene Glycol Mono Butyl Ether	TIC		111-76-2	NE	NE				**330 J**											**270 J**	
FRANKLINOL	TIC		57706-65-7	NE	NE																
Friedelin	TIC		559-74-0	NE	NE																
Heneicosane	TIC		629-94-7	NE	NE																
Heptacosane	TIC		593-49-7	NE	NE																
Heptadecane	TIC		629-78-7	NE	NE																
Heptadecane, 2,6,10,14-Tetramethyl-	TIC		18344-37-1	NE	NE																

Table 5-3
Summary of Soil Semivolatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO	Location Name / Sample Name / Sample Date / Parent Sample	DW-21A DW-21A (12-14) 7/9/2015	DW-21A DW-21A (20-22) 7/9/2015	DW-21A DW-21A (28-30) 7/9/2015	IP-01 IP-1 (0-2) 7/15/2015	IP-01 IP-1 (2-4) 7/15/2015	IP-02 IP-2 (0-2) 7/15/2015	IP-02 IP-2 (6-8) 7/15/2015	IP-03 IP-3 (0-2) 7/15/2015	IP-03 IP-3 (4-8) 7/15/2015	IP-04 IP-4 (0-2) 7/15/2015	IP-04 IP-4 (6-8) 7/15/2015	IP-05 IP-5 (0-2) 7/15/2015	IP-05 IP-5 (4-8) 7/15/2015	IP-06 2015-07-15-DUP 7/15/2015 IP-6 (0-2)-5071603	IP-06 IP-6 (0-2) 7/15/2015	IP-06 IP-6 (4-6) 7/15/2015	IP-07 IP-7 (0-2) 7/15/2015
Heptadecane, 2,6-Dimethyl-	TIC		54105-67-8	NE	NE																		
Hexadecanamide	TIC		629-54-9	NE	NE																		
Hexadecane, 1-(ethenyloxy)-	TIC		822-28-6	NE	NE																		
Hexadecanoic Acid	TIC		57-10-3	NE	NE																		
Hexanedioic acid, dioctyl ester	TIC		123-79-5	NE	NE																		
Hexanoic Acid (DOT)	TIC		142-62-1	NE	NE																		
HEXANOL-6-D3	TIC		53778-66-8	NE	NE																		
Hexatriacontane	TIC		630-06-8	NE	NE																		
Isocopalane	TIC		79191-19-8	NE	NE																		
Isophorone	TIC		00078-59-1	NE	NE																		
Isopropanol	TIC		67-63-0	NE	NE											**240 J**							
Labda-8(17),12,14-trien-19-oic acid methyl ester	TIC		1235-39-8	NE	NE						**1200 J**												
LONGIBORN-9-ENE	TIC		61262-67-7	NE	NE											**520 J**			**190 J**	**570 J**			
Longifolene	TIC		475-20-7	NE	NE																		
Lup-20(29)-En-3-One	TIC		1617-70-5	NE	NE																		
Manool	TIC		596-85-0	NE	NE																		
Mesityl Oxide	TIC		141-79-7	NE	NE														**2100 JAY**				
Methyl 5-(2,4-dichlorophenoxy)methyl-3-	TIC		85858-62-4	NE	NE																		
N-Decane	TIC		124-18-5	NE	NE																		
N-Docosane	TIC		629-97-0	NE	NE																		
N-Dodecane	TIC		112-40-3	NE	NE																**90 J**		
N-Eicosane	TIC		112-95-8	NE	NE													**580 J**					
N-Hexadecane	TIC		544-76-3	NE	NE																		
N-Octacosane	TIC		630-02-4	NE	NE																		
N-Octadecane	TIC		593-45-3	NE	NE																		
Nonadecane	TIC		629-92-5	NE	NE																		
Nonanamide	TIC		1120-07-6	NE	NE																		
Nonylphenol	TIC		25154-52-3	NE	NE													**320 J**					
Norphytane	TIC		1921-70-6	NE	NE																		
N-Triacontane	TIC		638-68-6	NE	NE																		
N-Tridecane	TIC		629-50-5	NE	NE																		
N-Undecane	TIC		1120-21-4	NE	NE																		
Octadecanoic Acid	TIC		57-11-4	NE	NE																		
Olean-12-ene	TIC		471-68-1	NE	NE																		
Pentacosane	TIC		629-99-2	NE	NE																		
Pentadecane	TIC		629-62-9	NE	NE	**370 J**																	
Pentanamide, 4-methyl-	TIC		1119-29-5	NE	NE																		
Perylene	TIC		198-55-0	NE	NE					**79 J**										**150 J**			
Phenanthrene, 1,2,3,4,4a,9,10,10a-octah	TIC		10064-26-3	NE	NE																		
Phenanthrene, 9-dodecyltetradecahydro-	TIC		55334-01-5	NE	NE																		
Phenol, 4-(1-methyl-1-phenylethyl)-	TIC		599-64-4	NE	NE																		
Podocarpa-8,11,13-trien-3-one, 14-isopr	TIC		18326-16-4	NE	NE																		
Pregn-5-en-20-one, 3-hydroxy-, (3.beta.	TIC		566-63-2	NE	NE																		
Propylene Glycol	TIC		57-55-6	NE	NE					**380 J**			**190 J**	**310 J**	**140 J**		**79 J**		**270 J**	**260 J**	**340 J**		**220 J**
Pyrene, hexadecahydro-	TIC		2435-85-0	NE	NE																		
Pyridine, 3,4-diphenyl-	TIC		4/6/5216	NE	NE					**81 J**													
Squalane	TIC		111-01-3	NE	NE														**82 J**				
Tetracosanol	TIC		506-51-4	NE	NE																		
Tetraethylene Glycol	TIC		112-60-7	NE	NE																		
Tetratetracontane	TIC		7098-22-8	NE	NE																		
Titanium, .eta.8-cyclooctatetraene-.eta	TIC		55672-83-8	NE	NE									**130 J**									
Triacetin	TIC		102-76-1	NE	NE																		
Trichloroethylene (TCE)	TIC		79-01-6	470	200000																		
Tricosane	TIC		638-67-5	NE	NE	**660 J**																	
Tridecane, 5-methyl-	TIC		25117-31-1	NE	NE																		
Triethylene Glycol	TIC		112-27-6	NE	NE																		
Triphenylphosphine Oxide	TIC		791-28-6	NE	NE													**1500 J**	**200 J**				
Unknown With 10th Highest Conc.	TIC		UNKNOWN10	NE	NE						**350 JB**					**79 J**		**420 J**				**840 J**	
Unknown With 11th Highest Conc.	TIC		UNKNOWN11	NE	NE	**800 J**					**390 J**					**79 J**		**940 J**					
Unknown With 12th Highest Conc.	TIC		UNKNOWN12	NE	NE	**810 J**					**430 J**					**94 J**							
Unknown With 13th Highest Conc.	TIC		UNKNOWN13	NE	NE						**530 J**												
Unknown With 14th Highest Conc.	TIC		UNKNOWN14	NE	NE						**540 J**												
Unknown With 1st Highest Conc.	TIC		UNKNOWN1	NE	NE					**100 J**	**1200 JB**	**270 JB**	**280 JB**	**120 J**	**130 J**	**100 J**	**290 JB**		**1500 J**	**120 J**		**14000 J**	**120 J**
Unknown With 2nd Highest Conc.	TIC		UNKNOWN2	NE	NE	**320 J**	**130 J**	**190 J**	**110 J**	**240 J**	**830 JB**	**780 JB**	**120 J**	**140 J**	**100 J**	**900 JB**	**280 J**	**170 J**	**120 J**		**190 J**	**150 J**	
Unknown With 3rd Highest Conc.	TIC		UNKNOWN3	NE	NE	**320 J**				**280 J**					**110 J**		**280 J**	**580 JB**		**77 J**	**190 J**	**270 JB**	
Unknown With 4th Highest Conc.	TIC		UNKNOWN4	NE	NE	**330 J**		**760 J**		**280 J**			**160 J**	**72 J**	**110 J**		**300 J**	**81 JB**	**140 J**		**210 J**	**420 J**	
Unknown With 5th Highest Conc.	TIC		UNKNOWN5	NE	NE	**370 J**			**400 J**	**290 J**			**200 J**		**120 J**		**320 J**	**920 J**	**180 J**		**230 J**	**840 JB**	
Unknown With 6th Highest Conc.	TIC		UNKNOWN6	NE	NE	**370 J**			**86 J**	**320 J**			**220 J**	**73 J**			**350 J**				**4700 J**		
Unknown With 7th Highest Conc.	TIC		UNKNOWN7	NE	NE	**470 J**			**93 J**	**330 J**				**73 J**	**150 J**		**390 J**		**71 J**		**540 J**		
Unknown With 8th Highest Conc.	TIC		UNKNOWN8	NE	NE	**480 J**			**99 J**	**330 J**			**90 J**	**77 J**					**77 J**		**780 J**		
Unknown With 9th Highest Conc.	TIC		UNKNOWN9	NE	NE	**540 J**				**340 J**			**90 J**		**72 J**		**400 J**				**8200 J**		
Vitamin E	TIC		59-02-9	NE	NE																		

Table 5-3
Summary of Soil Semivolatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	IP-07	IP-08	IP-08	IP-08	LP-03	LP-06	LP-08	LP-11	LP-17	LP-18	LP-25	MW-01	MW-01S	MW-01S	MW-01S	MW-02
					Sample Name	IP-7 (6-8)	2015_07_07 DUP	IP-8 (0-2)	IP-8 (3-4)	LP-3 (5'-7')	LP-6 (5'-10')	LP-8 (5'-10')	LP-11 (5-10)	LP-17 (5-10)	LP-18 (5-10)	LP-25 (5-10)	2015-07-03 DUP	MW-1 (0-2)	MW-1 (10-15)	MW-1 (28-30)	MW-2 (0-2)
					Sample Date	7/15/2015	7/7/2015	7/7/2015	7/7/2015	6/24/2015	6/23/2015	6/22/2015	6/29/2015	7/8/2015	7/8/2015	6/30/2015	7/13/2015	7/13/2015	7/13/2015	7/13/2015	7/14/2015
					Parent Sample		IP-8 (0-2)-5070806										MW-1 (28-30)-5071405				
Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO																
SSO_SVOC		ug/kg																			
1,2,4,5-Tetrachlorobenzene	TRG		95-94-3	NE	NE	34 U	37 U	37 U	41 U	40 U	36 U	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
2,3,4,6-Tetrachlorophenol	TRG		58-90-2	NE	NE	34 U	37 U	37 U	41 U	40 U	36 U	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
2,4,5-Trichlorophenol	TRG		95-95-4	NE	NE	34 U	37 U	37 U	41 U	40 U	36 U	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
2,4,6-Trichlorophenol	TRG		88-06-2	NE	NE	34 U	37 U	37 U	41 U	40 U	36 U	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
2,4-Dichlorophenol	TRG		120-83-2	NE	NE	8.4 U	9.3 U	9.3 U	10 U	10 U	9.1 U	8.8 U	9.8 U	8.5 U	8.4 U	9.9 U	8.7 U	9 U	8.6 U	8.6 U	8.8 U
2,4-Dimethylphenol	TRG		105-67-9	NE	NE	8.4 U	9.3 U	9.3 U	10 U	10 U	9.1 U	8.8 U	9.8 U	8.5 U	8.4 U	9.9 U	8.7 U	9 U	8.6 U	8.6 U	8.8 U
2,4-Dinitrophenol	TRG		51-28-5	NE	NE	170 U	190 U	190 U	210 U	200 U	180 U	180 U	200 U	170 U	170 U	200 U	170 U	180 U	170 U	170 U	180 U
2,4-Dinitrotoluene	TRG		121-14-2	NE	NE	34 U	37 U	37 U	41 U	40 U	36 U	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
2,6-Dinitrotoluene	TRG		606-20-2	NE	NE	34 U	37 U	37 U	41 U	40 U	36 U	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
2-Chloronaphthalene	TRG		91-58-7	NE	NE	34 U	37 U	37 U	41 U	40 U	36 U	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
2-Chlorophenol	TRG		95-57-8	NE	NE	34 U	37 U	37 U	41 U	40 U	36 U	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
2-Methylnaphthalene	TRG		91-57-6	NE	NE	34 U	37 U	37 U	41 U	40 U	36 U	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
2-Methylphenol (O-Cresol)	TRG		95-48-7	330	500000	8.4 U	9.3 U	9.3 U	10 U	10 U	9.1 U	8.8 U	9.8 U	8.5 U	8.4 U	9.9 U	8.7 U	9 U	8.6 U	8.6 U	8.8 U
2-Nitroaniline	TRG		88-74-4	NE	NE	34 U	37 U	37 U	41 U	40 U	36 U	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
2-Nitrophenol	TRG		88-75-5	NE	NE	34 U	37 U	37 U	41 U	40 U	36 U	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
3,3'-Dichlorobenzidine	TRG		91-94-1	NE	NE	34 U	37 U	37 U	41 U	40 U	36 U	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 UJ
3-Nitroaniline	TRG		99-09-2	NE	NE	34 U	37 U	37 U	41 U	40 U	36 U	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
4,6-Dinitro-2-Methylphenol	TRG		534-52-1	NE	NE	170 U	190 U	190 U	210 U	200 U	180 U	180 U	200 U	170 U	170 U	200 U	170 U	180 U	170 U	170 U	180 U
4-Bromophenyl Phenyl Ether	TRG		101-55-3	NE	NE	34 U	37 U	37 U	41 U	40 U	36 U	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
4-Chloro-3-Methylphenol	TRG		59-50-7	NE	NE	34 U	37 U	37 U	41 U	40 U	36 U	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
4-Chloroaniline	TRG		106-47-8	NE	NE	8.4 U	9.3 U	9.3 U	10 U	10 U	9.1 U	8.8 U	9.8 U	8.5 U	8.4 U	9.9 U	8.7 U	9 U	8.6 U	8.6 U	8.8 U
4-Chlorophenyl Phenyl Ether	TRG		7005-72-3	NE	NE	34 U	37 U	37 U	41 U	40 U	36 U	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
4-Methylphenol (P-Cresol)	TRG		106-44-5	330	500000	8.4 U	9.3 U	9.3 U	10 U	10 U	9.1 U	8.8 U	9.8 U	8.5 U	8.4 U	9.9 U	8.7 U	9 U	8.6 U	8.6 U	8.8 U
4-Nitroaniline	TRG		100-01-6	NE	NE	34 U	37 U	37 U	41 U	40 U	36 U	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
4-Nitrophenol	TRG		100-02-7	NE	NE	34 U	37 U	37 U	41 U	40 U	36 U	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
Acenaphthene	TRG		83-32-9	20000	500000	34 U	37 U	37 U	41 U	40 U	36 U	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
Acenaphthylene	TRG		208-96-8	100000	500000	34 U	37 U	37 U	41 U	40 U	36 U	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
Acetophenone	TRG		98-86-2	NE	NE	34 U	37 U	37 U	41 U	40 U	36 U	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
Anthracene	TRG		120-12-7	100000	500000	34 U	37 U	37 U	41 U	40 U	36 UJ	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
Atrazine	TRG		1912-24-9	NE	NE	34 U	37 U	37 U	41 U	40 U	36 U	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
Benzaldehyde	TRG		100-52-7	NE	NE	34 U	37 U	37 U	41 U	40 U	36 U	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
Benzo(A)Anthracene	TRG		56-55-3	1000	5600	34 U	37 U	37 U	41 U	40 U	**38**	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
Benzo(A)Pyrene	TRG		50-32-8	1000	1000	34 U	37 U	37 U	41 U	40 U	**41**	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
Benzo(B)Fluoranthene	TRG		205-99-2	1000	5600	34 U	37 U	37 U	41 U	40 U	**63**	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
Benzo(G,H,I)Perylene	TRG		191-24-2	100000	500000	34 U	37 U	37 U	41 U	40 U	**37 J**	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
Benzo(K)Fluoranthene	TRG		207-08-9	800	56000	34 U	37 U	37 U	41 U	40 U	36 U	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
Benzyl Butyl Phthalate	TRG		85-68-7	NE	NE	34 U	37 U	37 U	41 U	40 U	36 U	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
Biphenyl (Diphenyl)	TRG		92-52-4	NE	NE	34 U	37 U	37 U	41 U	40 U	36 U	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
Bis(2-Chloroethoxy) Methane	TRG		111-91-1	NE	NE	34 U	37 U	37 U	41 U	40 U	36 U	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	TRG		111-44-4	NE	NE	8.4 U	9.3 U	9.3 U	10 U	10 U	9.1 U	8.8 U	9.8 U	8.5 U	8.4 U	9.9 U	8.7 U	9 U	8.6 U	8.6 U	8.8 U
Bis(2-Chloroisopropyl) Ether	TRG		108-60-1	NE	NE	34 U	37 U	37 U	41 U	40 U	36 U	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
Bis(2-Ethylhexyl) Phthalate	TRG		117-81-7	NE	NE	34 U	**110**	**90**	41 U	40 U	36 U	**250**	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
Caprolactam	TRG		105-60-2	NE	NE	34 U	37 U	37 U	41 U	40 U	36 U	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
Carbazole	TRG		86-74-8	NE	NE	34 U	37 U	37 U	41 U	40 U	36 U	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
Chrysene	TRG		218-01-9	1000	56000	34 U	37 U	37 U	41 U	40 U	**40 J**	35 U	39 UJ	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
Dibenz(A,H)Anthracene	TRG		53-70-3	330	560	34 U	37 U	37 U	41 U	40 U	36 U	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
Dibenzofuran	TRG		132-64-9	7000	350000	8.4 U	9.3 U	9.3 U	**30 NJ**	10 U	9.1 U	8.8 U	9.8 U	8.5 U	8.4 U	9.9 U	8.7 U	9 U	8.6 U	8.6 U	8.8 U
Diethyl Phthalate	TRG		84-66-2	NE	NE	34 U	37 U	37 U	41 U	40 U	36 U	**37**	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
Dimethyl Phthalate	TRG		131-11-3	NE	NE	34 U	37 U	37 U	41 U	40 U	36 U	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
Di-N-Butyl Phthalate	TRG		84-74-2	NE	NE	8.4 U	**18**	**15**	**14**	10 U	9.1 U	**14**	9.8 U	8.5 U	8.4 U	9.9 U	8.7 U	9 U	**10**	8.6 U	8.8 U
Di-N-Octylphthalate	TRG		117-84-0	NE	NE	34 U	**92**	**50**	41 U	40 U	36 U	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
Fluoranthene	TRG		206-44-0	100000	500000	34 U	37 U	37 U	41 U	40 U	**59**	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
Fluorene	TRG		86-73-7	30000	500000	34 U	37 U	37 U	41 U	40 U	36 UJ	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
Hexachlorobenzene	TRG		118-74-1	330	6000	34 U	37 U	37 U	41 U	40 U	36 U	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
Hexachlorobutadiene	TRG		87-68-3	NE	NE	34 U	37 U	37 U	41 U	40 U	36 U	35 U	39 U	34 U	34 U	40 U	35 U	36 UJ	34 U	34 U	35 UJ
Hexachlorocyclopentadiene	TRG		77-47-4	NE	NE	66 U	37 U	37 U	41 U	200 U	180 U	180 UJ	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	69 U
Hexachloroethane	TRG		67-72-1	NE	NE	34 U	37 U	37 U	41 U	40 U	36 U	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
Indeno(1,2,3-C,D)Pyrene	TRG		193-39-5	500	5600	34 U	37 U	37 U	41 U	40 U	36 U	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
Isophorone	TRG		78-59-1	NE	NE	34 U	37 U	37 U	41 U	40 U	36 U	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
Naphthalene	TRG		91-20-3	12000	500000	8.4 U	9.3 U	9.3 U	**26**	10 U	9.1 U	8.8 U	9.8 U	8.5 U	8.4 U	9.9 U	8.7 U	9 U	8.6 U	8.6 U	8.8 U
Nitrobenzene	TRG		98-95-3	NE	NE	34 U	37 U	37 U	41 U	40 U	36 U	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
N-Nitrosodi-N-Propylamine	TRG		621-64-7	NE	NE	8.4 U	9.3 U	9.3 U	10 U	10 U	9.1 U	8.8 U	9.8 U	8.5 U	8.4 U	9.9 U	8.7 U	9 U	8.6 U	8.6 U	8.8 U
N-Nitrosodiphenylamine	TRG		86-30-6	NE	NE	34 U	37 U	37 U	41 U	40 U	36 U	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
Pentachlorophenol	TRG		87-86-5	800	6700	170 U	37 U	37 U	41 U	200 U	180 U	180 U	200 U	34 U	34 U	200 U	170 U	36 U	170 U	170 U	180 U
Phenanthrene	TRG		85-01-8	100000	500000	34 U	37 U	37 U	41 U	40 U	36 U	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
Phenol	TRG		108-95-2	330	500000	34 U	37 U	37 U	41 U	40 U	36 U	35 U	39 U	34 U	34 U	40 U	35 U	36 U	34 U	34 U	35 U
Pyrene	TRG		129-00-0	100000	500000	34 U	37 U	37 U	41 U	40 U	**63**	35 U	39 U	34 U	34 U	**49**	35 U	36 U	34 U	34 U	35 U
Total SVOCs	TRG		TSVOC	NE	NE	0	**220**	**155**	**70**	0	**341**	**301**	0	0	0	**49**	0	0	**10**	0	0

Table 5-3
Summary of Soil Semivolatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	IP-07	IP-08	IP-08	IP-08	LP-03	LP-06	LP-08	LP-11	LP-17	LP-18	LP-25	MW-01	MW-01S	MW-01S	MW-01S	MW-02
					Sample Name	IP-7 (6-8)	2015_07_07 DUP	IP-8 (0-2)	IP-8 (3-4)	LP-3 (5'-7')	LP-6 (5'-10')	LP-8 (5'-10')	LP-11 (5-10)	LP-17 (5-10)	LP-18 (5-10)	LP-25 (5-10)	2015-07-03 DUP	MW-1 (0-2)	MW-1 (10-15)	MW-1 (28-30)	MW-2 (0-2)
					Sample Date	7/15/2015	7/7/2015	7/7/2015	7/7/2015	6/24/2015	6/23/2015	6/22/2015	6/29/2015	7/8/2015	7/8/2015	6/30/2015	7/13/2015	7/13/2015	7/13/2015	7/13/2015	7/14/2015
					Parent Sample		IP-8 (0-2)-5070806										MW-1 (28-30)-5071405				
Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO																
(+-)-3,3-Dimethyltricyclo[5.4.0.0(2,9)]	TIC		57768-52-2	NE	NE																
(+,-)-.beta.-Himachalene	TIC		17928-54-0	NE	NE																
(17Alpha)-A'-Neo-30-Norgammacerane	TIC		53584-60-4	NE	NE																
(E)- and (Z)-15-Acetonyl-8.alpha.,17-ep	TIC		88034-07-5	NE	NE																
(Z)-9-Octadecanimide	TIC		301-02-0	NE	NE	**390 J**	**640 NJ**	**320 NJ**	**1200 NJ**			**320 NJ**	**170 NJ**	**190 J**		**2500 NJ**		**360 J**	**120 J**		
.Alpha.-Ethenylde-1-Naphthalenepropanol	TIC		3650-30-4	NE	NE																
.alpha.-Gurjunene	TIC		489-40-7	NE	NE																
.beta.-Amyrin	TIC		559-70-6	NE	NE																
.beta.-Selinene	TIC		17066-67-0	NE	NE																
.Gamma.-Sitosterol	TIC		83-47-6	NE	NE		**190 NJ**		**980 NJ**									**230 J**			
1,1,2,2-Tetrachloroethane	TIC		79-34-5	NE	NE																
1,1,2-Trichloroethane	TIC		79-00-5	NE	NE																
1,1,3,3-TETRAMETHYL-1,3-DISILAINDAN	TIC		54113-93-8	NE	NE																
1,2,3,3a,5,6,6a,7-Octahydro-1,3a,6-trim	TIC		71583-68-1	NE	NE																
1,2,3,4-Tetrahydro-7-methoxy-2-methyl-8-(phenylmethoxy) isoquinoline	TIC		36646-87-4	NE	NE																
1,2,3,6-Tetramethyltricyclo[5.4.0.0(3,9	TIC		72523-40-1	NE	NE																
1,2-Benzenedicarboxylic acid, bis(4-met	TIC		146-50-9	NE	NE			**110 NJ**													
1,2-Benzenedicarboxylic acid, bis(8-met	TIC		89-16-7	NE	NE		**150 NJ**														
1,2-Benzenedicarboxylic acid, diisodecy	TIC		26761-40-0	NE	NE																
1,2-Benzenedicarboxylic acid, dinonyl e	TIC		84-76-4	NE	NE		**150 NJ**														
1,2-Benzenedicarboxylic acid, isodecyl	TIC		1330-96-7	NE	NE			**130 NJ**													
1,2-Dimethyl-3-pentyl-4-propylcyclohexane	TIC		62376-17-4	NE	NE				**230 NJ**												
1,3,5-Trimethylbenzene (Mesitylene)	TIC		108-67-8	8400	190000																
1,3-Dimethylnaphthalene	TIC		575-41-7	NE	NE																
1,3-Pentanediol, 2,2,4-Trimethyl-	TIC		144-19-4	NE	NE		**290 NJ**	**160 NJ**													
1,3-PROPANEDIOL DIBENZOATE	TIC		2451-86-7	NE	NE			**130 NJ**													
1,4,5-Trimethylnaphthalene	TIC		2131-41-1	NE	NE																
1,4,6-Trimethylnaphthalene	TIC		2131-42-2	NE	NE																
1,4-Benzenediamine, N,N'-diphenyl-	TIC		74-31-7	NE	NE																
1,6,7-Trimethylnaphthalene	TIC		2245-38-7	NE	NE																
1,8-Nonanediol, 8-methyl-	TIC		54725-73-4	NE	NE																
10a.beta.-Hydroxymethyl-7-methoxy-3,3-d	TIC		78661-23-1	NE	NE																
10-Methoxybenz[a]azulen-1,4-dione	TIC		76319-77-2	NE	NE																
11-n-Butyldocosane	TIC		13475-76-8	NE	NE																
16-Octadecenal	TIC		56554-87-1	NE	NE				**230 NJ**												
17-Octadecenal	TIC		56554-86-0	NE	NE													**79 J**			
1-Butoxy-2-Propanol	TIC		5131-66-8	NE	NE					**91 NJ**						**110 NJ**	**71 J**				
1-Dotriacontanol	TIC		6624-79-9	NE	NE		**230 NJ**														
1-Eicosyne	TIC		765-27-5	NE	NE																
1-Ethyltoluene	TIC		611-14-3	NE	NE						**81 NJ**										
1-Hexacosanol	TIC		506-52-5	NE	NE													**350 J**			
1-Hexadecanol	TIC		29354-98-1	NE	NE																
1H-Purin-6-amine, [(2-fluorophenyl)meth	TIC		74421-44-6	NE	NE												**180 J**				
1-Nonacosanol	TIC		25154-56-7	NE	NE																
1-Nonadecene	TIC		18435-45-5	NE	NE													**140 J**			
1-Octadecanol	TIC		112-92-5	NE	NE											**110 NJ**					
1-Octanol, 2-butyl-	TIC		2/8/3913	NE	NE																
1-Stearoyl-1,2,4-triazole	TIC		60718-55-0	NE	NE							**2100 NJ**									
2,2'-Dimethyl-4,4',5,5'-tetramethoxybip	TIC		62012-51-5	NE	NE																
2,3,6-Trimethylnapthalene	TIC		829-26-5	NE	NE																
2,3-Dihydro-1,1,3-trimethyl-3-phenyl-1H-Indene	TIC		3910-35-8	NE	NE							**120 NJ**									
2,4-DIOCTYLPHENOL	TIC		29988-16-7	NE	NE							**120 NJ**									
2,4-Pentanedione, 3-(7-acetyl-6-hydroxy	TIC		37645-86-6	NE	NE																
2,5-Dimethylundecane	TIC		17301-22-3	NE	NE																
2,6,10,14-Tetramethylhexadecane	TIC		638-36-8	NE	NE																**290 J**
2,6,10,15-Tetramethylheptadecane	TIC		54833-48-6	NE	NE																
2,6,10-Trimethyldodecane	TIC		3891-98-3	NE	NE																
2,6,11-Trimethyldodecane	TIC		31295-56-4	NE	NE																**79 J**
2,6-Dimethyl-6-Nitro-2-Hepten-4-One	TIC		73583-56-9	NE	NE										**1100 J**						
2,6-Dimethyl-Napthalene	TIC		581-42-0	NE	NE																
2,7,10-Trimethyl Dodecane	TIC		74645-98-0	NE	NE																
20.xi.-Lanosta-7,9(11)-diene-3.beta.,18	TIC		25116-58-9	NE	NE																
2-Chloro-p-methoxybiphenyl	TIC		74428-82-3	NE	NE																
2-Decene, 4-methyl-, (Z)-	TIC		74630-30-1	NE	NE			**120 NJ**													
2-Ethyl-1-Hexanol	TIC		104-76-7	NE	NE																
2-Methyl Decane	TIC		6975-98-0	NE	NE																
2-Methyl-6-Propyldodecane	TIC		55045-08-4	NE	NE																
2-Methylanthracene	TIC		613-12-7	NE	NE																
2-Methylphenol (O-Cresol)	TIC		00095-48-7	NE	NE																
2-Undecene, 2,5-dimethyl-	TIC		49622-16-4	NE	NE																
3,6,9,12,15-Pentaoxanonadecan-1-Ol	TIC		1786-94-3	NE	NE																
3,7,11-Tridecatrienenitrile, 4,8,12-tri	TIC		1/5/6006	NE	NE																
3,7,11-Trimethyldodeca-1,6(E),10-triene	TIC		66633-32-7	NE	NE																

Table 5-3
Summary of Soil Semivolatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	IP-07	IP-08	IP-08	IP-08	LP-03	LP-06	LP-08	LP-11	LP-17	LP-18	LP-25	MW-01	MW-01S	MW-01S	MW-01S	MW-02
					Sample Name	IP-7 (6-8)	2015_07_07 DUP	IP-8 (0-2)	IP-8 (3-4)	LP-3 (5'-7')	LP-6 (5'-10')	LP-8 (5'-10')	LP-11 (5-10)	LP-17 (5-10)	LP-18 (5-10)	LP-25 (5-10)	2015-07-03 DUP	MW-1 (0-2)	MW-1 (10-15)	MW-1 (28-30)	MW-2 (0-2)
					Sample Date	7/15/2015	7/7/2015	7/7/2015	7/7/2015	6/24/2015	6/23/2015	6/22/2015	6/29/2015	7/8/2015	7/8/2015	6/30/2015	7/13/2015	7/13/2015	7/13/2015	7/13/2015	7/14/2015
					Parent Sample		IP-8 (0-2)-5070806										MW-1 (28-30)-5071405				
Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO																
3-Azafluorene	TIC		244-42-8	NE	NE																
3-Eicosene, (E)-	TIC		74685-33-9	NE	NE		**160 NJ**		**380 NJ**												
3-Penten-2-One (Trans)	TIC		3102-33-8	NE	NE										**80 J**						
3-PHENYLTHIOPENTAN-2-ONE	TIC		62870-22-8	NE	NE							**89 NJ**									
4-(1,1,3,3-Tetramethylbutyl)Phenol	TIC		140-66-9	NE	NE																
4-(2,6,6-Trimethyl-1-Cyclohexen-1-Yl)-3-Buten-2-One	TIC		14901-07-6	NE	NE																
4,4'-Dimethylbiphenyl	TIC		613-33-2	NE	NE																
4-Chloro-4'-methoxybiphenyl	TIC		58970-19-7	NE	NE																
4-Ethyl-5-methylheptanamide	TIC		54789-40-1	NE	NE																
4-Fluorocumene	TIC		403-39-4	NE	NE																
4H-Cyclopenta[Def]Phenanthrene	TIC		203-64-5	NE	NE																
4-Methyl-9H-Fluorene	TIC		1556-99-6	NE	NE																
4-Methyldibenzofuran	TIC		7320-53-8	NE	NE																
5-Propyltridecane	TIC		55045-11-9	NE	NE																
6-Acetyl-5-hydroxy-1,8-dimethyl-1,2,3,4	TIC		69611-14-9	NE	NE																
6-Propyltridecane	TIC		55045-10-8	NE	NE																
7-Tetradecyne	TIC		35216-11-6	NE	NE											**420 NJ**					
9,10-Anthracenedione	TIC		84-65-1	NE	NE																
9-Dodecyltetradecahydroanthracene	TIC		55401-75-7	NE	NE																
9-Hexylheptadecane	TIC		55124-79-3	NE	NE																
9H-Fluorene, 2-Methyl-	TIC		1430-97-3	NE	NE																
9-Methylacridine	TIC		611-64-3	NE	NE																
9-Octadecene, (E)-	TIC		7206-25-9	NE	NE													**76 J**			
Acetic Acid, (Triphenylphosphoranylidene	TIC		2605-67-6	NE	NE																
AMORPHANE-A	TIC		34315-85-0	NE	NE																
A'-Neo-30-norgammacerane	TIC		36728-72-0	NE	NE							**100 NJ**									
Anthanthrene	TIC		191-26-4	NE	NE																
Anthracene, 9-cyclohexyltetradecahydro-	TIC		55255-70-4	NE	NE																
Aristolone	TIC		6831-17-0	NE	NE				**170 NJ**												
Benzene, 1,1'-(1,2-ethanediyl)bis[3,4-d	TIC		34101-86-5	NE	NE																
Benzeneacetonitrile, .alpha.-methylene-	TIC		495-10-3	NE	NE																
Benzenepentanoic acid, .delta.-oxo-	TIC		1501-05-9	NE	NE																
Benzo(B)Fluorene	TIC		243-17-4	NE	NE																
Benzo[E]Pyrene	TIC		192-97-2	NE	NE																
Benzophenone	TIC		119-61-9	NE	NE																
Benzyl Alcohol	TIC		100-51-6	NE	NE		**270 NJ**	**230 NJ**													
Beta-Sitosterol	TIC		83-46-5	NE	NE																
Bisphenol A	TIC		80-05-7	NE	NE			**130 NJ**				**190 NJ**					**160 J**				
Butane, 2-ethoxy-	TIC		2679-87-0	NE	NE									**89 J**							
Butanoic acid, 3-oxo-, 1,1-dimethylethy	TIC		1694-31-1	NE	NE																
Chrysene, 5-Methyl-	TIC		3697-24-3	NE	NE																
Coronene	TIC		191-07-1	NE	NE																
Curan-17-oic acid, 2,16-didehydro-20-hy	TIC		56053-15-7	NE	NE																
Cyclohexane, azido-	TIC		19573-22-9	NE	NE				**270 NJ**												
Cyclopentane, (4-Octyldodecyl)-	TIC		9/5/5638	NE	NE			**160 NJ**													
Cyclopentylsilane	TIC		80249-74-7	NE	NE																
Cyclotetracosane	TIC		297-03-0	NE	NE				**770 NJ**												
D:C-Friedoolean-8-En-3-One	TIC		22611-26-3	NE	NE																
Decamethyl-Cyclopentasiloxane	TIC		541-02-6	NE	NE												**79 J**				
Decanedioic acid	TIC		111-20-6	NE	NE													**80 J**			
D-Friedoolean-14-Ene, 3-Methoxy-, (3.Bet	TIC		14021-23-9	NE	NE				**1800 NJ**												
D-Homoandrostane, (5.alpha.,13.alpha.)-	TIC		54482-31-4	NE	NE																
Diacetone Alcohol	TIC		123-42-2	NE	NE	**49000 JAB**															
Diisobutyl phthalate	TIC		84-69-5	NE	NE																
Dioctadecyl Ester Phosphonic Acid	TIC		19047-85-9	NE	NE													**170 J**			
DMPA	TIC		24650-42-8	NE	NE																
Dodecamethyl Cyclohexasiloxane	TIC		540-97-6	NE	NE												**110 J**				
Dodecanamide	TIC		1120-16-7	NE	NE																
ENDOISOCAMPHANE	TIC		20536-40-7	NE	NE																
Ethane, 1-(2,3-xylyl)-1-(3,4-xylyl)-	TIC		2816-98-0	NE	NE							**110 NJ**									
Ethylene Glycol Mono Butyl Ether	TIC		111-76-2	NE	NE																
FRANKLINOL	TIC		57706-65-7	NE	NE																
Friedelin	TIC		559-74-0	NE	NE		**1800 NJ**														
Heneicosane	TIC		629-94-7	NE	NE																
Heptacosane	TIC		593-49-7	NE	NE																
Heptadecane	TIC		629-78-7	NE	NE																**290 J**
Heptadecane, 2,6,10,14-Tetramethyl-	TIC		18344-37-1	NE	NE																**140 J**

Table 5-3
Summary of Soil Semivolatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	IP-07	IP-08	IP-08	IP-08	LP-03	LP-06	LP-08	LP-11	LP-17	LP-18	LP-25	MW-01	MW-01S	MW-01S	MW-01S	MW-02
					Sample Name	IP-7 (6-8)	2015_07_07 DUP	IP-8 (0-2)	IP-8 (3-4)	LP-3 (5'-7')	LP-6 (5'-10')	LP-8 (5'-10')	LP-11 (5-10)	LP-17 (5-10)	LP-18 (5-10)	LP-25 (5-10)	2015-07-03 DUP	MW-1 (0-2)	MW-1 (10-15)	MW-1 (28-30)	MW-2 (0-2)
					Sample Date	7/15/2015	7/7/2015	7/7/2015	7/7/2015	6/24/2015	6/23/2015	6/22/2015	6/29/2015	7/8/2015	7/8/2015	6/30/2015	7/13/2015	7/13/2015	7/13/2015	7/13/2015	7/14/2015
					Parent Sample		IP-8 (0-2)-5070806										MW-1 (28-30)-5071405				
Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO																
Heptadecane, 2,6-Dimethyl-	TIC		54105-67-8	NE	NE																
Hexadecanamide	TIC		629-54-9	NE	NE																
Hexadecane, 1-(ethenyloxy)-	TIC		822-28-6	NE	NE																
Hexadecanoic Acid	TIC		57-10-3	NE	NE				**420 NJ**												
Hexanedioic acid, dioctyl ester	TIC		123-79-5	NE	NE																
Hexanoic Acid (DOT)	TIC		142-62-1	NE	NE																
HEXANOL-6-D3	TIC		53778-66-8	NE	NE															**150 J**	
Hexatriacontane	TIC		630-06-8	NE	NE																**100 J**
Isocopalane	TIC		79191-19-8	NE	NE																
Isophorone	TIC		00078-59-1	NE	NE																
Isopropanol	TIC		67-63-0	NE	NE							**130 NJ**									
Labda-8(17),12,14-trien-19-oic acid methyl ester	TIC		1235-39-8	NE	NE																
LONGIBORN-9-ENE	TIC		61262-67-7	NE	NE																
Longifolene	TIC		475-20-7	NE	NE																
Lup-20(29)-En-3-One	TIC		1617-70-5	NE	NE																
Manool	TIC		596-85-0	NE	NE																
Mesityl Oxide	TIC		141-79-7	NE	NE																
Methyl 5-(2,4-dichlorophenoxy)methyl-3-	TIC		85858-62-4	NE	NE																
N-Decane	TIC		124-18-5	NE	NE						**110 NJ**										
N-Docosane	TIC		629-97-0	NE	NE																**74 J**
N-Dodecane	TIC		112-40-3	NE	NE																
N-Eicosane	TIC		112-95-8	NE	NE																
N-Hexadecane	TIC		544-76-3	NE	NE																
N-Octacosane	TIC		630-02-4	NE	NE																
N-Octadecane	TIC		593-45-3	NE	NE																
Nonadecane	TIC		629-92-5	NE	NE																
Nonanamide	TIC		1120-07-6	NE	NE																**80 J**
Nonylphenol	TIC		25154-52-3	NE	NE																
Norphytane	TIC		1921-70-6	NE	NE																**610 J**
N-Triacontane	TIC		638-68-6	NE	NE																
N-Tridecane	TIC		629-50-5	NE	NE																
N-Undecane	TIC		1120-21-4	NE	NE																
Octadecanoic Acid	TIC		57-11-4	NE	NE				**480 NJ**												
Olean-12-ene	TIC		471-68-1	NE	NE																
Pentacosane	TIC		629-99-2	NE	NE																
Pentadecane	TIC		629-62-9	NE	NE																
Pentanamide, 4-methyl-	TIC		1119-29-5	NE	NE												**380 J**				
Perylene	TIC		198-55-0	NE	NE																
Phenanthrene, 1,2,3,4,4a,9,10,10a-octah	TIC		10064-26-3	NE	NE			**140 NJ**													
Phenanthrene, 9-dodecyltetradecahydro-	TIC		55334-01-5	NE	NE																
Phenol, 4-(1-methyl-1-phenylethyl)-	TIC		599-64-4	NE	NE																
Podocarpa-8,11,13-trien-3-one, 14-isopr	TIC		18326-16-4	NE	NE																
Pregn-5-en-20-one, 3-hydroxy-, (3.beta.	TIC		566-63-2	NE	NE																
Propylene Glycol	TIC		57-55-6	NE	NE	**100 J**	**150 NJ**	**190 NJ**						**87 J**							
Pyrene, hexadecahydro-	TIC		2435-85-0	NE	NE																
Pyridine, 3,4-diphenyl-	TIC		4/6/5216	NE	NE																
Squalane	TIC		111-01-3	NE	NE																
Tetracosanol	TIC		506-51-4	NE	NE				**360 NJ**												
Tetraethylene Glycol	TIC		112-60-7	NE	NE									**280 J**							
Tetratetracontane	TIC		7098-22-8	NE	NE																
Titanium, .eta.8-cyclooctatetraene-.eta	TIC		55672-83-8	NE	NE																
Triacetin	TIC		102-76-1	NE	NE															**79 J**	
Trichloroethylene (TCE)	TIC		79-01-6	470	200000				**890 NJ**												
Tricosane	TIC		638-67-5	NE	NE																
Tridecane, 5-methyl-	TIC		25117-31-1	NE	NE																
Triethylene Glycol	TIC		112-27-6	NE	NE									**190 J**							
Triphenylphosphine Oxide	TIC		791-28-6	NE	NE																
Unknown With 10th Highest Conc.	TIC		UNKNOWN10	NE	NE													**77 J**			
Unknown With 11th Highest Conc.	TIC		UNKNOWN11	NE	NE													**92 J**			
Unknown With 12th Highest Conc.	TIC		UNKNOWN12	NE	NE																
Unknown With 13th Highest Conc.	TIC		UNKNOWN13	NE	NE																
Unknown With 14th Highest Conc.	TIC		UNKNOWN14	NE	NE																
Unknown With 1st Highest Conc.	TIC		UNKNOWN1	NE	NE	**240 JB**	**1100 J**							**230 JB**	**1900 J**	**110 J**		**100 J**			
Unknown With 2nd Highest Conc.	TIC		UNKNOWN2	NE	NE	**740 JB**	**1300 J**	**1200 J**	**240 J**		**100 J**	**130 J**		**670 JB**	**310 JB**	**170 J**					
Unknown With 3rd Highest Conc.	TIC		UNKNOWN3	NE	NE		**150 J**	**130 J**	**290 J**						**77 J**			**120 J**			**72 J**
Unknown With 4th Highest Conc.	TIC		UNKNOWN4	NE	NE		**150 J**	**1400 J**	**290 J**			**460 J**				**490 J**	**74 J**	**160 J**			**82 J**
Unknown With 5th Highest Conc.	TIC		UNKNOWN5	NE	NE			**150 J**				**620 J**					**78 J**	**230 J**			**95 J**
Unknown With 6th Highest Conc.	TIC		UNKNOWN6	NE	NE		**240 J**					**800 J**				**83 J**					**96 J**
Unknown With 7th Highest Conc.	TIC		UNKNOWN7	NE	NE		**360 J**	**770 J**				**890 J**						**540 J**			
Unknown With 8th Highest Conc.	TIC		UNKNOWN8	NE	NE													**74 J**			
Unknown With 9th Highest Conc.	TIC		UNKNOWN9	NE	NE		**410 J**											**77 J**			
Vitamin E	TIC		59-02-9	NE	NE																

Table 5-3
Summary of Soil Semivolatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO	Location Name Sample Name Sample Date Parent Sample	MW-02 MW-2 (28-30) 7/14/2015	MW-02 MW-2 (5-10) 7/14/2015	MW-03 MW-3 (0-2) 7/13/2015	MW-03 MW-3 (28-30) 7/13/2015	MW-04 MW-4 (0-2) 7/13/2015	MW-04 MW-4 (28-30) 7/13/2015	MW-05 2015_07-14 DUP 7/14/2015 MW-5 (0-2)-5071505	MW-05S MW-5 (0-2) 7/14/2015	MW-05S MW-5 (28-30) 7/14/2015	SB-02 SB-2 (13'-15') 6/25/2015	SB-02 SB-2 (15'-17') 6/25/2015	SB-02 SB-2 (28'-30') 6/26/2015	SB-02 SB-2 (5'-10') 6/25/2015	SB-03 SB-3 (10-12) 7/8/2015	SB-03 SB-3 (28-30) 7/8/2015
SSO_SVOC		ug/kg																			
1,2,4,5-Tetrachlorobenzene	TRG		95-94-3	NE	NE		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
2,3,4,6-Tetrachlorophenol	TRG		58-90-2	NE	NE		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
2,4,5-Trichlorophenol	TRG		95-95-4	NE	NE		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
2,4,6-Trichlorophenol	TRG		88-06-2	NE	NE		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
2,4-Dichlorophenol	TRG		120-83-2	NE	NE		8.8 U	8.6 U	18 U	8.8 U	9.3 U	8.7 U	9 U	9 U	9.3 U	8.5 U	8.5 U	8.8 U	8.8 U	8.4 U	8.9 U
2,4-Dimethylphenol	TRG		105-67-9	NE	NE		8.8 U	8.6 U	18 U	8.8 U	9.3 U	8.7 U	9 U	9 U	9.3 U	8.5 U	8.5 U	8.8 U	8.8 U	8.4 U	8.9 U
2,4-Dinitrophenol	TRG		51-28-5	NE	NE		180 U	170 U	360 U	180 U	190 U	170 U	180 U	180 U	190 U	170 U	170 U	180 U	180 U	170 U	180 U
2,4-Dinitrotoluene	TRG		121-14-2	NE	NE		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
2,6-Dinitrotoluene	TRG		606-20-2	NE	NE		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
2-Chloronaphthalene	TRG		91-58-7	NE	NE		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
2-Chlorophenol	TRG		95-57-8	NE	NE		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
2-Methylnaphthalene	TRG		91-57-6	NE	NE		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	**230**	35 U	35 U	34 U	35 U
2-Methylphenol (O-Cresol)	TRG		95-48-7	330	500000		8.8 U	8.6 U	18 U	8.8 U	9.3 U	8.7 U	9 U	9 U	9.3 U	8.5 U	8.5 U	8.8 U	8.8 U	8.4 U	8.9 U
2-Nitroaniline	TRG		88-74-4	NE	NE		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
2-Nitrophenol	TRG		88-75-5	NE	NE		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
3,3'-Dichlorobenzidine	TRG		91-94-1	NE	NE		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
3-Nitroaniline	TRG		99-09-2	NE	NE		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
4,6-Dinitro-2-Methylphenol	TRG		534-52-1	NE	NE		180 U	170 U	360 U	180 U	190 U	170 U	180 U	180 U	190 U	170 U	170 U	180 U	180 U	170 U	180 U
4-Bromophenyl Phenyl Ether	TRG		101-55-3	NE	NE		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
4-Chloro-3-Methylphenol	TRG		59-50-7	NE	NE		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
4-Chloroaniline	TRG		106-47-8	NE	NE		8.8 U	8.6 U	18 U	8.8 U	9.3 U	8.7 U	9 U	9 U	9.3 U	8.5 U	8.5 U	8.8 U	8.8 U	8.4 U	8.9 U
4-Chlorophenyl Phenyl Ether	TRG		7005-72-3	NE	NE		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
4-Methylphenol (P-Cresol)	TRG		106-44-5	330	500000		8.8 U	8.6 U	18 U	8.8 U	9.3 U	8.7 U	9 U	9 U	9.3 U	8.5 U	8.5 U	8.8 U	8.8 U	8.4 U	8.9 U
4-Nitroaniline	TRG		100-01-6	NE	NE		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
4-Nitrophenol	TRG		100-02-7	NE	NE		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
Acenaphthene	TRG		83-32-9	20000	500000		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	**110**	35 U	35 U	34 U	35 U
Acenaphthylene	TRG		208-96-8	100000	500000		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
Acetophenone	TRG		98-86-2	NE	NE		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
Anthracene	TRG		120-12-7	100000	500000		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	38 U	35 U	35 U	34 U	35 U
Atrazine	TRG		1912-24-9	NE	NE		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
Benzaldehyde	TRG		100-52-7	NE	NE		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
Benzo(A)Anthracene	TRG		56-55-3	1000	5600		35 U	34 U	**280**	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
Benzo(A)Pyrene	TRG		50-32-8	1000	1000		35 U	34 U	**300**	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
Benzo(B)Fluoranthene	TRG		205-99-2	1000	5600		35 U	34 U	**410**	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
Benzo(G,H,I)Perylene	TRG		191-24-2	100000	500000		35 U	34 U	**250**	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
Benzo(K)Fluoranthene	TRG		207-08-9	800	56000		35 U	34 U	**120**	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
Benzyl Butyl Phthalate	TRG		85-68-7	NE	NE		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
Biphenyl (Diphenyl)	TRG		92-52-4	NE	NE		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
Bis(2-Chloroethoxy) Methane	TRG		111-91-1	NE	NE		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	TRG		111-44-4	NE	NE		8.8 U	8.6 U	18 U	8.8 U	9.3 U	8.7 U	9 U	9 U	9.3 U	8.5 U	8.5 U	8.8 U	8.8 U	8.4 U	8.9 U
Bis(2-Chloroisopropyl) Ether	TRG		108-60-1	NE	NE		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
Bis(2-Ethylhexyl) Phthalate	TRG		117-81-7	NE	NE		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
Caprolactam	TRG		105-60-2	NE	NE		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
Carbazole	TRG		86-74-8	NE	NE		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
Chrysene	TRG		218-01-9	1000	56000		35 U	34 U	**240**	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
Dibenz(A,H)Anthracene	TRG		53-70-3	330	560		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
Dibenzofuran	TRG		132-64-9	7000	350000		8.8 U	8.6 U	18 U	8.8 U	9.3 U	8.7 U	9 U	9 U	9.3 U	8.5 U	75 U	8.8 U	8.8 U	8.4 U	8.9 U
Diethyl Phthalate	TRG		84-66-2	NE	NE		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
Dimethyl Phthalate	TRG		131-11-3	NE	NE		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
Di-N-Butyl Phthalate	TRG		84-74-2	NE	NE		8.8 U	8.6 U	18 U	8.8 U	9.3 U	8.7 U	9 U	9 U	9.3 U	8.5 U	8.5 U	8.8 U	8.8 U	8.4 U	8.9 U
Di-N-Octylphthalate	TRG		117-84-0	NE	NE		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
Fluoranthene	TRG		206-44-0	100000	500000		35 U	34 U	**330**	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
Fluorene	TRG		86-73-7	30000	500000		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	**170**	35 U	35 U	34 U	35 U
Hexachlorobenzene	TRG		118-74-1	330	6000		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
Hexachlorobutadiene	TRG		87-68-3	NE	NE		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
Hexachlorocyclopentadiene	TRG		77-47-4	NE	NE		69 U	67 U	72 U	35 U	37 U	35 U	70 U	70 U	73 U	34 U	34 U	35 U	35 U	34 U	35 U
Hexachloroethane	TRG		67-72-1	NE	NE		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
Indeno(1,2,3-C,D)Pyrene	TRG		193-39-5	500	5600		35 U	34 U	**200**	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
Isophorone	TRG		78-59-1	NE	NE		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
Naphthalene	TRG		91-20-3	12000	500000		8.8 U	8.6 U	18 U	8.8 U	9.3 U	8.7 U	9 U	9 U	9.3 U	8.5 U	8.5 U	8.8 U	8.8 U	8.4 U	8.9 U
Nitrobenzene	TRG		98-95-3	NE	NE		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
N-Nitrosodi-N-Propylamine	TRG		621-64-7	NE	NE		8.8 U	8.6 U	18 U	8.8 U	9.3 U	8.7 U	9 U	9 U	9.3 U	8.5 U	8.5 U	8.8 U	8.8 U	8.4 U	8.9 U
N-Nitrosodiphenylamine	TRG		86-30-6	NE	NE		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
Pentachlorophenol	TRG		87-86-5	800	6700		180 U	170 U	360 U	180 U	190 U	170 U	180 U	180 U	190 U	170 U	170 U	180 U	180 U	34 U	35 U
Phenanthrene	TRG		85-01-8	100000	500000		35 U	34 U	**110**	35 U	37 U	35 U	36 U	36 U	37 U	34 U	**460**	35 U	35 U	34 U	35 U
Phenol	TRG		108-95-2	330	500000		35 U	34 U	72 U	35 U	37 U	35 U	36 U	36 U	37 U	34 U	34 U	35 U	35 U	34 U	35 U
Pyrene	TRG		129-00-0	100000	500000		35 U	34 U	**340**	35 U	37 U	35 U	36 U	36 U	37 U	34 U	**120**	35 U	35 U	34 U	35 U
Total SVOCs	TRG		TSVOC	NE	NE		0	0	**2580**	0	0	0	0	0	0	0	**1090**	0	0	0	0

Table 5-3
Summary of Soil Semivolatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	MW-02	MW-02	MW-03	MW-03	MW-04	MW-04	MW-05	MW-05S	MW-05S	SB-02	SB-02	SB-02	SB-02	SB-03	SB-03
					Sample Name	MW-2 (28-30)	MW-2 (5-10)	MW-3 (0-2)	MW-3 (28-30)	MW-4 (0-2)	MW-4 (28-30)	2015_07-14 DUP	MW-5 (0-2)	MW-5 (28-30)	SB-2 (13'-15')	SB-2 (15'-17')	SB-2 (28'-30')	SB-2 (5'-10')	SB-3 (10-12)	SB-3 (28-30)
					Sample Date	7/14/2015	7/14/2015	7/13/2015	7/13/2015	7/13/2015	7/13/2015	7/14/2015	7/14/2015	7/14/2015	6/25/2015	6/25/2015	6/26/2015	6/25/2015	7/8/2015	7/8/2015
					Parent Sample							MW-5 (0-2)-5071505								
Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO															
(+-)-3,3-Dimethyltricyclo[5.4.0.0(2,9)]	TIC		57768-52-2	NE	NE											**1000 NJ**				
(+,-)-.beta.-Himachalene	TIC		17928-54-0	NE	NE															
(17Alpha)-A'-Neo-30-Norgammacerane	TIC		53584-60-4	NE	NE			**490 J**					**76 J**							**120 J**
(E)- and (Z)-15-Acetonyl-8.alpha.,17-ep	TIC		88034-07-5	NE	NE															
(Z)-9-Octadecanimide	TIC		301-02-0	NE	NE						**720 J**			**600 J**	**220 NJ**				**80 J**	**460 J**
.Alpha.-Ethenylde-1-Naphthalenepropanol	TIC		3650-30-4	NE	NE															
.alpha.-Gurjunene	TIC		489-40-7	NE	NE															
.beta.-Amyrin	TIC		559-70-6	NE	NE															
.beta.-Selinene	TIC		17066-67-0	NE	NE													**230 NJ**		
.Gamma.-Sitosterol	TIC		83-47-6	NE	NE															
1,1,2,2-Tetrachloroethane	TIC		79-34-5	NE	NE										**140 NJ**		**100 NJ**	**140 NJ**		
1,1,2-Trichloroethane	TIC		79-00-5	NE	NE										**99 NJ**		**71 NJ**	**92 NJ**		
1,1,3,3-TETRAMETHYL-1,3-DISILAINDAN	TIC		54113-93-8	NE	NE							**230 J**								
1,2,3,3a,5,6,6a,7-Octahydro-1,3a,6-trim	TIC		71583-68-1	NE	NE															
1,2,3,4-Tetrahydro-7-methoxy-2-methyl-8-(phenylmethoxy) isoquinoline	TIC		36646-87-4	NE	NE			**190 J**												
1,2,3,6-Tetramethyltricyclo[5.4.0.0(3,9	TIC		72523-40-1	NE	NE															
1,2-Benzenedicarboxylic acid, bis(4-met	TIC		146-50-9	NE	NE															
1,2-Benzenedicarboxylic acid, bis(8-met	TIC		89-16-7	NE	NE															
1,2-Benzenedicarboxylic acid, diisodecy	TIC		26761-40-0	NE	NE															
1,2-Benzenedicarboxylic acid, dinonyl e	TIC		84-76-4	NE	NE															
1,2-Benzenedicarboxylic acid, isodecyl	TIC		1330-96-7	NE	NE															
1,2-Dimethyl-3-pentyl-4-propylcyclohexane	TIC		62376-17-4	NE	NE															
1,3,5-Trimethylbenzene (Mesitylene)	TIC		108-67-8	8400	190000															
1,3-Dimethylnaphthalene	TIC		575-41-7	NE	NE											**1400 NJ**				
1,3-Pentanediol, 2,2,4-Trimethyl-	TIC		144-19-4	NE	NE															
1,3-PROPANEDIOL DIBENZOATE	TIC		2451-86-7	NE	NE															
1,4,5-Trimethylnaphthalene	TIC		2131-41-1	NE	NE											**1500 NJ**				
1,4,6-Trimethylnaphthalene	TIC		2131-42-2	NE	NE											**1200 NJ**				
1,4-Benzenediamine, N,N'-diphenyl-	TIC		74-31-7	NE	NE															**160 J**
1,6,7-Trimethylnaphthalene	TIC		2245-38-7	NE	NE											**1100 NJ**				
1,8-Nonanediol, 8-methyl-	TIC		54725-73-4	NE	NE															
10a.beta.-Hydroxymethyl-7-methoxy-3,3-d	TIC		78661-23-1	NE	NE															**410 J**
10-Methoxybenz[a]azulen-1,4-dione	TIC		76319-77-2	NE	NE															
11-n-Butyldocosane	TIC		13475-76-8	NE	NE															
16-Octadecenal	TIC		56554-87-1	NE	NE															
17-Octadecenal	TIC		56554-86-0	NE	NE															
1-Butoxy-2-Propanol	TIC		5131-66-8	NE	NE							**77 J**								
1-Dotriacontanol	TIC		6624-79-9	NE	NE															
1-Eicosyne	TIC		765-27-5	NE	NE					**130 J**										
1-Ethyltoluene	TIC		611-14-3	NE	NE															
1-Hexacosanol	TIC		506-52-5	NE	NE															
1-Hexadecanol	TIC		29354-98-1	NE	NE													**98 NJ**		
1H-Purin-6-amine, [(2-fluorophenyl)meth	TIC		74421-44-6	NE	NE															
1-Nonacosanol	TIC		25154-56-7	NE	NE					**380 J**										
1-Nonadecene	TIC		18435-45-5	NE	NE															
1-Octadecanol	TIC		112-92-5	NE	NE															
1-Octanol, 2-butyl-	TIC		2/8/3913	NE	NE										**99 NJ**					
1-Stearoyl-1,2,4-triazole	TIC		60718-55-0	NE	NE															
2,2'-Dimethyl-4,4',5,5'-tetramethoxybip	TIC		62012-51-5	NE	NE															
2,3,6-Trimethylnapthalene	TIC		829-26-5	NE	NE											**2500 NJ**				
2,3-Dihydro-1,1,3-trimethyl-3-phenyl-1H-Indene	TIC		3910-35-8	NE	NE															
2,4-DIOCTYLPHENOL	TIC		29988-16-7	NE	NE															
2,4-Pentanedione, 3-(7-acetyl-6-hydroxy	TIC		37645-86-6	NE	NE					**900 J**										
2,5-Dimethylundecane	TIC		17301-22-3	NE	NE															
2,6,10,14-Tetramethylhexadecane	TIC		638-36-8	NE	NE															
2,6,10,15-Tetramethylheptadecane	TIC		54833-48-6	NE	NE											**3700 NJ**				
2,6,10-Trimethyldodecane	TIC		3891-98-3	NE	NE											**1800 NJ**				
2,6,11-Trimethyldodecane	TIC		31295-56-4	NE	NE													**96 NJ**		
2,6-Dimethyl-6-Nitro-2-Hepten-4-One	TIC		73583-56-9	NE	NE														**85 J**	
2,6-Dimethyl-Napthalene	TIC		581-42-0	NE	NE											**3300 NJ**				
2,7,10-Trimethyl Dodecane	TIC		74645-98-0	NE	NE													**82 NJ**		
20.xi.-Lanosta-7,9(11)-diene-3.beta.,18	TIC		25116-58-9	NE	NE					**460 J**										
2-Chloro-p-methoxybiphenyl	TIC		74428-82-3	NE	NE															
2-Decene, 4-methyl-, (Z)-	TIC		74630-30-1	NE	NE															
2-Ethyl-1-Hexanol	TIC		104-76-7	NE	NE															
2-Methyl Decane	TIC		6975-98-0	NE	NE										**100 NJ**					
2-Methyl-6-Propyldodecane	TIC		55045-08-4	NE	NE															
2-Methylanthracene	TIC		613-12-7	NE	NE											**970 NJ**				
2-Methylphenol (O-Cresol)	TIC		00095-48-7	NE	NE															
2-Undecene, 2,5-dimethyl-	TIC		49622-16-4	NE	NE															
3,6,9,12,15-Pentaoxanonadecan-1-Ol	TIC		1786-94-3	NE	NE															**210 J**
3,7,11-Tridecatrienenitrile, 4,8,12-tri	TIC		1/5/6006	NE	NE															
3,7,11-Trimethyldodeca-1,6(E),10-triene	TIC		66633-32-7	NE	NE															

Table 5-3
Summary of Soil Semivolatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO	Location Name / Sample Name / Sample Date / Parent Sample	MW-02 MW-2 (28-30) 7/14/2015	MW-02 MW-2 (5-10) 7/14/2015	MW-03 MW-3 (0-2) 7/13/2015	MW-03 MW-3 (28-30) 7/13/2015	MW-04 MW-4 (0-2) 7/13/2015	MW-04 MW-4 (28-30) 7/13/2015	MW-05 2015_07-14 DUP 7/14/2015 MW-5 (0-2)-5071505	MW-05S MW-5 (0-2) 7/14/2015	MW-05S MW-5 (28-30) 7/14/2015	SB-02 SB-2 (13'-15') 6/25/2015	SB-02 SB-2 (15'-17') 6/25/2015	SB-02 SB-2 (28'-30') 6/26/2015	SB-02 SB-2 (5'-10') 6/25/2015	SB-03 SB-3 (10-12) 7/8/2015	SB-03 SB-3 (28-30) 7/8/2015
3-Azafluorene	TIC		244-42-8	NE	NE																
3-Eicosene, (E)-	TIC		74685-33-9	NE	NE																
3-Penten-2-One (Trans)	TIC		3102-33-8	NE	NE																
3-PHENYLTHIOPENTAN-2-ONE	TIC		62870-22-8	NE	NE																
4-(1,1,3,3-Tetramethylbutyl)Phenol	TIC		140-66-9	NE	NE																
4-(2,6,6-Trimethyl-1-Cyclohexen-1-Yl)-3-Buten-2-One	TIC		14901-07-6	NE	NE																
4,4'-Dimethylbiphenyl	TIC		613-33-2	NE	NE												**1200 NJ**				
4-Chloro-4'-methoxybiphenyl	TIC		58970-19-7	NE	NE																
4-Ethyl-5-methylheptanamide	TIC		54789-40-1	NE	NE					**610 J**	**230 J**										
4-Fluorocumene	TIC		403-39-4	NE	NE																
4H-Cyclopenta[Def]Phenanthrene	TIC		203-64-5	NE	NE																
4-Methyl-9H-Fluorene	TIC		1556-99-6	NE	NE											**73 NJ**					
4-Methyldibenzofuran	TIC		7320-53-8	NE	NE												**1200 NJ**				
5-Propyltridecane	TIC		55045-11-9	NE	NE											**200 NJ**					
6-Acetyl-5-hydroxy-1,8-dimethyl-1,2,3,4	TIC		69611-14-9	NE	NE																
6-Propyltridecane	TIC		55045-10-8	NE	NE												**2400 NJ**				
7-Tetradecyne	TIC		35216-11-6	NE	NE																
9,10-Anthracenedione	TIC		84-65-1	NE	NE																
9-Dodecyltetradecahydroanthracene	TIC		55401-75-7	NE	NE																
9-Hexylheptadecane	TIC		55124-79-3	NE	NE																
9H-Fluorene, 2-Methyl-	TIC		1430-97-3	NE	NE												**1200 NJ**				
9-Methylacridine	TIC		611-64-3	NE	NE																
9-Octadecene, (E)-	TIC		7206-25-9	NE	NE																
Acetic Acid, (Triphenylphosphoranylidene	TIC		2605-67-6	NE	NE																
AMORPHANE-A	TIC		34315-85-0	NE	NE																
A'-Neo-30-norgammacerane	TIC		36728-72-0	NE	NE						**170 J**										
Anthanthrene	TIC		191-26-4	NE	NE				**170 J**												
Anthracene, 9-cyclohexyltetradecahydro-	TIC		55255-70-4	NE	NE																
Aristolone	TIC		6831-17-0	NE	NE																
Benzene, 1,1'-(1,2-ethanediyl)bis[3,4-d	TIC		34101-86-5	NE	NE																
Benzeneacetonitrile, .alpha.-methylene-	TIC		495-10-3	NE	NE																
Benzenepentanoic acid, .delta.-oxo-	TIC		1501-05-9	NE	NE																
Benzo(B)Fluorene	TIC		243-17-4	NE	NE																
Benzo[E]Pyrene	TIC		192-97-2	NE	NE				**190 J**												
Benzophenone	TIC		119-61-9	NE	NE																
Benzyl Alcohol	TIC		100-51-6	NE	NE																
Beta-Sitosterol	TIC		83-46-5	NE	NE																
Bisphenol A	TIC		80-05-7	NE	NE	**190 J**	**250 J**							**260 J**	**190 J**			**100 NJ**			
Butane, 2-ethoxy-	TIC		2679-87-0	NE	NE																
Butanoic acid, 3-oxo-, 1,1-dimethylethy	TIC		1694-31-1	NE	NE																
Chrysene, 5-Methyl-	TIC		3697-24-3	NE	NE				**180 J**												
Coronene	TIC		191-07-1	NE	NE																
Curan-17-oic acid, 2,16-didehydro-20-hy	TIC		56053-15-7	NE	NE																
Cyclohexane, azido-	TIC		19573-22-9	NE	NE																
Cyclopentane, (4-Octyldodecyl)-	TIC		9/5/5638	NE	NE																
Cyclopentylsilane	TIC		80249-74-7	NE	NE																
Cyclotetracosane	TIC		297-03-0	NE	NE																
D:C-Friedoolean-8-En-3-One	TIC		22611-26-3	NE	NE																
Decamethyl-Cyclopentasiloxane	TIC		541-02-6	NE	NE																
Decanedioic acid	TIC		111-20-6	NE	NE																
D-Friedoolean-14-Ene, 3-Methoxy-, (3.Bet	TIC		14021-23-9	NE	NE																
D-Homoandrostane, (5.alpha.,13.alpha.)-	TIC		54482-31-4	NE	NE																
Diacetone Alcohol	TIC		123-42-2	NE	NE																
Diisobutyl phthalate	TIC		84-69-5	NE	NE																
Dioctadecyl Ester Phosphonic Acid	TIC		19047-85-9	NE	NE																
DMPA	TIC		24650-42-8	NE	NE																
Dodecamethyl Cyclohexasiloxane	TIC		540-97-6	NE	NE																
Dodecanamide	TIC		1120-16-7	NE	NE				**510 J**				**180 J**								
ENDOISOCAMPHANE	TIC		20536-40-7	NE	NE						**160 J**										
Ethane, 1-(2,3-xylyl)-1-(3,4-xylyl)-	TIC		2816-98-0	NE	NE																
Ethylene Glycol Mono Butyl Ether	TIC		111-76-2	NE	NE																
FRANKLINOL	TIC		57706-65-7	NE	NE																
Friedelin	TIC		559-74-0	NE	NE																
Heneicosane	TIC		629-94-7	NE	NE																
Heptacosane	TIC		593-49-7	NE	NE											**140 NJ**					
Heptadecane	TIC		629-78-7	NE	NE																**120 J**
Heptadecane, 2,6,10,14-Tetramethyl-	TIC		18344-37-1	NE	NE														**96 NJ**		

Table 5-3
Summary of Soil Semivolatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	MW-02	MW-02	MW-03	MW-03	MW-04	MW-04	MW-05	MW-05S	MW-05S	SB-02	SB-02	SB-02	SB-02	SB-03	SB-03
					Sample Name	MW-2 (28-30)	MW-2 (5-10)	MW-3 (0-2)	MW-3 (28-30)	MW-4 (0-2)	MW-4 (28-30)	2015_07-14 DUP	MW-5 (0-2)	MW-5 (28-30)	SB-2 (13'-15')	SB-2 (15'-17')	SB-2 (28'-30')	SB-2 (5'-10')	SB-3 (10-12)	SB-3 (28-30)
					Sample Date	7/14/2015	7/14/2015	7/13/2015	7/13/2015	7/13/2015	7/13/2015	7/14/2015	7/14/2015	7/14/2015	6/25/2015	6/25/2015	6/26/2015	6/25/2015	7/8/2015	7/8/2015
					Parent Sample							MW-5 (0-2)-5071505								
Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO															
Heptadecane, 2,6-Dimethyl-	TIC		54105-67-8	NE	NE													**190 NJ**		
Hexadecanamide	TIC		629-54-9	NE	NE													**300 NJ**		
Hexadecane, 1-(ethenyloxy)-	TIC		822-28-6	NE	NE					**240 J**										
Hexadecanoic Acid	TIC		57-10-3	NE	NE															**490 J**
Hexanedioic acid, dioctyl ester	TIC		123-79-5	NE	NE															**590 J**
Hexanoic Acid (DOT)	TIC		142-62-1	NE	NE															
HEXANOL-6-D3	TIC		53778-66-8	NE	NE															
Hexatriacontane	TIC		630-06-8	NE	NE															
Isocopalane	TIC		79191-19-8	NE	NE							**99 J**								
Isophorone	TIC		00078-59-1	NE	NE														**78 J**	
Isopropanol	TIC		67-63-0	NE	NE															
Labda-8(17),12,14-trien-19-oic acid methyl ester	TIC		1235-39-8	NE	NE															
LONGIBORN-9-ENE	TIC		61262-67-7	NE	NE							**170 J**								
Longifolene	TIC		475-20-7	NE	NE															
Lup-20(29)-En-3-One	TIC		1617-70-5	NE	NE															
Manool	TIC		596-85-0	NE	NE															
Mesityl Oxide	TIC		141-79-7	NE	NE															
Methyl 5-(2,4-dichlorophenoxy)methyl-3-	TIC		85858-62-4	NE	NE					**280 J**										
N-Decane	TIC		124-18-5	NE	NE															
N-Docosane	TIC		629-97-0	NE	NE					**220 J**										
N-Dodecane	TIC		112-40-3	NE	NE															
N-Eicosane	TIC		112-95-8	NE	NE													**74 NJ**		
N-Hexadecane	TIC		544-76-3	NE	NE													**79 NJ**		
N-Octacosane	TIC		630-02-4	NE	NE															**110 J**
N-Octadecane	TIC		593-45-3	NE	NE															
Nonadecane	TIC		629-92-5	NE	NE															
Nonanamide	TIC		1120-07-6	NE	NE												**800 NJ**			
Nonylphenol	TIC		25154-52-3	NE	NE															
Norphytane	TIC		1921-70-6	NE	NE											**5000 NJ**				
N-Triacontane	TIC		638-68-6	NE	NE															
N-Tridecane	TIC		629-50-5	NE	NE											**3900 NJ**				
N-Undecane	TIC		1120-21-4	NE	NE											**1000 NJ**		**120 NJ**		
Octadecanoic Acid	TIC		57-11-4	NE	NE															**470 J**
Olean-12-ene	TIC		471-68-1	NE	NE															
Pentacosane	TIC		629-99-2	NE	NE															
Pentadecane	TIC		629-62-9	NE	NE													**79 NJ**		
Pentanamide, 4-methyl-	TIC		1119-29-5	NE	NE															
Perylene	TIC		198-55-0	NE	NE			**250 J**												
Phenanthrene, 1,2,3,4,4a,9,10,10a-octah	TIC		10064-26-3	NE	NE															
Phenanthrene, 9-dodecyltetradecahydro-	TIC		55334-01-5	NE	NE					**310 J**										
Phenol, 4-(1-methyl-1-phenylethyl)-	TIC		599-64-4	NE	NE	**74 J**	**85 J**													
Podocarpa-8,11,13-trien-3-one, 14-isopr	TIC		18326-16-4	NE	NE															
Pregn-5-en-20-one, 3-hydroxy-, (3.beta.	TIC		566-63-2	NE	NE															
Propylene Glycol	TIC		57-55-6	NE	NE														**230 J**	**170 J**
Pyrene, hexadecahydro-	TIC		2435-85-0	NE	NE															
Pyridine, 3,4-diphenyl-	TIC		4/6/5216	NE	NE															
Squalane	TIC		111-01-3	NE	NE															
Tetracosanol	TIC		506-51-4	NE	NE															
Tetraethylene Glycol	TIC		112-60-7	NE	NE															**400 J**
Tetratetracontane	TIC		7098-22-8	NE	NE															**110 J**
Titanium, .eta.8-cyclooctatetraene-.eta	TIC		55672-83-8	NE	NE															
Triacetin	TIC		102-76-1	NE	NE															
Trichloroethylene (TCE)	TIC		79-01-6	470	200000															
Tricosane	TIC		638-67-5	NE	NE															
Tridecane, 5-methyl-	TIC		25117-31-1	NE	NE															
Triethylene Glycol	TIC		112-27-6	NE	NE															**260 J**
Triphenylphosphine Oxide	TIC		791-28-6	NE	NE															
Unknown With 10th Highest Conc.	TIC		UNKNOWN10	NE	NE			**360 J**												
Unknown With 11th Highest Conc.	TIC		UNKNOWN11	NE	NE															
Unknown With 12th Highest Conc.	TIC		UNKNOWN12	NE	NE			**970 J**												
Unknown With 13th Highest Conc.	TIC		UNKNOWN13	NE	NE															
Unknown With 14th Highest Conc.	TIC		UNKNOWN14	NE	NE															
Unknown With 1st Highest Conc.	TIC		UNKNOWN1	NE	NE	**1200 J**			**1100 J**	**130 J**	**1300 J**	**150 J**	**110 J**						**160 JB**	**1400 J**
Unknown With 2nd Highest Conc.	TIC		UNKNOWN2	NE	NE		**360 J**	**170 J**		**140 J**		**150 J**				**1400 J**			**320 JB**	**190 JB**
Unknown With 3rd Highest Conc.	TIC		UNKNOWN3	NE	NE			**180 J**				**170 J**		**74 J**	**79 J**			**70 J**	**510 J**	**200 J**
Unknown With 4th Highest Conc.	TIC		UNKNOWN4	NE	NE			**200 J**		**180 J**			**73 J**		**85 J**				**780 J**	**410 J**
Unknown With 5th Highest Conc.	TIC		UNKNOWN5	NE	NE			**220 J**		**200 J**		**73 J**	**73 J**							**590 JB**
Unknown With 6th Highest Conc.	TIC		UNKNOWN6	NE	NE			**240 J**		**310 J**		**78 J**								
Unknown With 7th Highest Conc.	TIC		UNKNOWN7	NE	NE			**250 J**				**83 J**								
Unknown With 8th Highest Conc.	TIC		UNKNOWN8	NE	NE							**93 J**								
Unknown With 9th Highest Conc.	TIC		UNKNOWN9	NE	NE			**290 J**												
Vitamin E	TIC		59-02-9	NE	NE															

Table 5-3
Summary of Soil Semivolatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO	Location Name / Sample Name / Sample Date / Parent Sample	SB-04 SB-4 (0-2) 7/7/2015	SB-04 SB-4 (28-30) 7/7/2015	SB-04 SB-4 (5-10) 7/7/2015	SW-01 SW-1 (18-20) 7/13/2015	SW-01 SW-1 (28-30) 7/13/2015	SW-02 SW-2 (15-16) 7/1/2015	SW-02 SW-2 (28-30) 7/1/2015	SW-02 SW-3 (28-30) 7/1/2015	SW-03 SW-3 (8-9) 7/1/2015	SW-04 SW-4 (28-30) 6/30/2015	SW-04 SW-4 (9-10) 6/30/2015	SW-05 SW-5 (19-21) 7/9/2015	SW-05 SW-5 (21-25) 7/9/2015	SW-05 SW-5 (28-30) 7/9/2015	SW-05 SW-5 (38-40) 7/9/2015
SSO_SVOC		ug/kg																			
1,2,4,5-Tetrachlorobenzene	TRG		95-94-3	NE	NE		35 UJ	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	340 U	250 U	37 U	36 U	37 U
2,3,4,6-Tetrachlorophenol	TRG		58-90-2	NE	NE		35 R	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	340 U	250 U	37 U	36 U	37 U
2,4,5-Trichlorophenol	TRG		95-95-4	NE	NE		35 R	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	340 U	250 U	37 U	36 U	37 U
2,4,6-Trichlorophenol	TRG		88-06-2	NE	NE		35 R	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	340 U	250 U	37 U	36 U	37 U
2,4-Dichlorophenol	TRG		120-83-2	NE	NE		8.7 R	8.5 U	8.4 U	21 U	9.4 U	110 U	9.7 U	9 U	75 U	9.1 U	86 U	62 U	9.3 U	9 U	9.4 U
2,4-Dimethylphenol	TRG		105-67-9	NE	NE		8.7 R	8.5 U	8.4 U	21 U	9.4 U	110 U	9.7 U	9 U	75 U	9.1 U	86 U	62 U	9.3 U	9 U	9.4 U
2,4-Dinitrophenol	TRG		51-28-5	NE	NE		170 R	170 U	170 U	420 U	190 U	2100 U	190 U	180 U	1500 U	180 U	1700 U	1200 U	190 U	180 U	190 U
2,4-Dinitrotoluene	TRG		121-14-2	NE	NE		35 UJ	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	340 U	250 U	37 U	36 U	37 U
2,6-Dinitrotoluene	TRG		606-20-2	NE	NE		35 UJ	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	340 U	250 U	37 U	36 U	37 U
2-Chloronaphthalene	TRG		91-58-7	NE	NE		35 UJ	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	340 U	250 U	37 U	36 U	37 U
2-Chlorophenol	TRG		95-57-8	NE	NE		35 R	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	340 U	250 U	37 U	36 U	37 U
2-Methylnaphthalene	TRG		91-57-6	NE	NE		35 UJ	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	340 U	250 U	37 U	36 U	37 U
2-Methylphenol (O-Cresol)	TRG		95-48-7	330	500000		8.7 R	8.5 U	8.4 U	21 U	9.4 U	110 U	9.7 U	9 U	75 U	9.1 U	86 U	62 U	9.3 U	9 U	9.4 U
2-Nitroaniline	TRG		88-74-4	NE	NE		35 UJ	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	340 U	250 U	37 U	36 U	37 U
2-Nitrophenol	TRG		88-75-5	NE	NE		35 R	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	340 U	250 U	37 U	36 U	37 U
3,3'-Dichlorobenzidine	TRG		91-94-1	NE	NE		35 UJ	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	340 U	250 U	37 U	36 U	37 U
3-Nitroaniline	TRG		99-09-2	NE	NE		35 UJ	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	340 U	250 U	37 U	36 U	37 U
4,6-Dinitro-2-Methylphenol	TRG		534-52-1	NE	NE		170 R	170 U	170 U	420 U	190 U	2100 U	190 U	180 U	1500 U	180 U	1700 U	1200 U	190 U	180 U	190 U
4-Bromophenyl Phenyl Ether	TRG		101-55-3	NE	NE		35 UJ	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	340 U	250 U	37 U	36 U	37 U
4-Chloro-3-Methylphenol	TRG		59-50-7	NE	NE		35 R	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	340 U	250 U	37 U	36 U	37 U
4-Chloroaniline	TRG		106-47-8	NE	NE		8.7 UJ	8.5 U	8.4 U	21 U	9.4 U	110 U	9.7 U	9 U	75 U	9.1 U	86 U	62 U	9.3 U	9 U	9.4 U
4-Chlorophenyl Phenyl Ether	TRG		7005-72-3	NE	NE		35 UJ	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	340 U	250 U	37 U	36 U	37 U
4-Methylphenol (P-Cresol)	TRG		106-44-5	330	500000		8.7 R	8.5 U	8.4 U	21 U	9.4 U	110 U	9.7 U	9 U	75 U	9.1 U	86 U	62 U	9.3 U	9 U	9.4 U
4-Nitroaniline	TRG		100-01-6	NE	NE		35 UJ	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	340 U	250 U	37 U	36 U	37 U
4-Nitrophenol	TRG		100-02-7	NE	NE		35 R	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	340 U	250 U	37 U	36 U	37 U
Acenaphthene	TRG		83-32-9	20000	500000		35 UJ	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	340 U	250 U	37 U	36 U	37 U
Acenaphthylene	TRG		208-96-8	100000	500000		35 UJ	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	340 U	250 U	37 U	36 U	37 U
Acetophenone	TRG		98-86-2	NE	NE		35 UJ	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	340 U	250 U	37 U	36 U	37 U
Anthracene	TRG		120-12-7	100000	500000		35 UJ	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	340 U	250 U	37 U	36 U	37 U
Atrazine	TRG		1912-24-9	NE	NE		35 UJ	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	340 U	250 U	37 U	36 U	37 U
Benzaldehyde	TRG		100-52-7	NE	NE		35 UJ	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	340 U	250 U	37 U	36 U	37 U
Benzo(A)Anthracene	TRG		56-55-3	1000	5600		35 UJ	34 U	34 U	**110**	37 U	430 U	39 U	36 U	**350**	36 U	**1800**	**400**	37 U	36 U	37 U
Benzo(A)Pyrene	TRG		50-32-8	1000	1000		35 UJ	34 U	34 U	**130**	37 U	430 U	39 U	36 U	**420**	36 U	**2000**	**510**	37 U	36 U	37 U
Benzo(B)Fluoranthene	TRG		205-99-2	1000	5600		35 UJ	34 U	34 U	**310**	37 U	430 U	39 U	36 U	**710**	36 U	**3500**	**1200**	37 U	36 U	37 U
Benzo(G,H,I)Perylene	TRG		191-24-2	100000	500000		35 UJ	34 U	34 U	**160**	37 U	430 U	39 U	36 U	**460**	36 U	**1700**	**630**	37 U	36 U	37 U
Benzo(K)Fluoranthene	TRG		207-08-9	800	56000		35 UJ	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	**890**	**410**	37 U	36 U	37 U
Benzyl Butyl Phthalate	TRG		85-68-7	NE	NE		35 UJ	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	340 U	250 U	37 U	36 U	37 U
Biphenyl (Diphenyl)	TRG		92-52-4	NE	NE		35 UJ	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	340 U	250 U	37 U	36 U	37 U
Bis(2-Chloroethoxy) Methane	TRG		111-91-1	NE	NE		35 UJ	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	340 U	250 U	37 U	36 U	37 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	TRG		111-44-4	NE	NE		8.7 UJ	8.5 U	8.4 U	21 U	9.4 U	110 U	9.7 U	9 U	75 U	9.1 U	86 U	62 U	9.3 U	9 U	9.4 U
Bis(2-Chloroisopropyl) Ether	TRG		108-60-1	NE	NE		35 UJ	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	340 U	250 U	37 U	36 U	37 U
Bis(2-Ethylhexyl) Phthalate	TRG		117-81-7	NE	NE		**220 J**	34 U	34 U	**1100**	37 U	**1700**	39 U	36 U	**1900**	36 U	**3200**	**4300**	37 U	36 U	37 U
Caprolactam	TRG		105-60-2	NE	NE		35 UJ	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	340 U	250 U	37 U	36 U	37 U
Carbazole	TRG		86-74-8	NE	NE		35 UJ	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	**410**	250 U	37 U	36 U	37 U
Chrysene	TRG		218-01-9	1000	56000		35 UJ	34 U	34 U	**260**	37 U	430 U	39 U	36 U	**570**	36 U	**2800**	**1000**	37 U	36 U	37 U
Dibenz(A,H)Anthracene	TRG		53-70-3	330	560		35 UJ	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	**400**	250 U	37 U	36 U	37 U
Dibenzofuran	TRG		132-64-9	7000	350000		8.7 UJ	8.5 U	8.4 U	21 U	9.4 U	110 U	9.7 U	9 U	75 U	9.1 U	86 U	62 U	9.3 U	9 U	9.4 U
Diethyl Phthalate	TRG		84-66-2	NE	NE		35 UJ	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	340 U	250 U	37 U	36 U	37 U
Dimethyl Phthalate	TRG		131-11-3	NE	NE		35 UJ	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	340 U	250 U	37 U	36 U	37 U
Di-N-Butyl Phthalate	TRG		84-74-2	NE	NE		**11 J**	8.5 U	8.4 U	21 U	9.4 U	110 U	9.7 U	9 U	75 U	9.1 U	**170**	62 U	9.3 U	9 U	9.4 U
Di-N-Octylphthalate	TRG		117-84-0	NE	NE		35 UJ	34 U	34 U	**110**	37 U	430 U	39 U	36 U	300 U	36 U	340 U	**330**	37 U	36 U	37 U
Fluoranthene	TRG		206-44-0	100000	500000		35 UJ	34 U	34 U	**360**	37 U	430 U	39 U	36 U	**1000**	36 U	**5500**	**1500**	37 U	36 U	37 U
Fluorene	TRG		86-73-7	30000	500000		35 UJ	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	340 U	250 U	37 U	36 U	37 U
Hexachlorobenzene	TRG		118-74-1	330	6000		35 UJ	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	340 U	250 U	37 U	36 U	37 U
Hexachlorobutadiene	TRG		87-68-3	NE	NE		35 UJ	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	340 U	250 U	37 U	36 U	37 U
Hexachlorocyclopentadiene	TRG		77-47-4	NE	NE		35 UJ	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	340 U	250 U	37 U	36 U	37 U
Hexachloroethane	TRG		67-72-1	NE	NE		35 UJ	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	340 U	250 U	37 U	36 U	37 U
Indeno(1,2,3-C,D)Pyrene	TRG		193-39-5	500	5600		35 UJ	34 U	34 U	**120**	37 U	430 U	39 U	36 U	**340**	36 U	**1400**	**500**	37 U	36 U	37 U
Isophorone	TRG		78-59-1	NE	NE		35 UJ	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	340 U	250 U	37 U	36 U	37 U
Naphthalene	TRG		91-20-3	12000	500000		8.7 UJ	8.5 U	8.4 U	21 U	9.4 U	110 U	9.7 U	9 U	75 U	9.1 U	86 U	62 U	9.3 U	9 U	9.4 U
Nitrobenzene	TRG		98-95-3	NE	NE		35 UJ	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	340 U	250 U	37 U	36 U	37 U
N-Nitrosodi-N-Propylamine	TRG		621-64-7	NE	NE		8.7 UJ	8.5 U	8.4 U	21 U	9.4 U	110 U	9.7 U	9 U	75 U	9.1 U	86 U	62 U	9.3 U	9 U	9.4 U
N-Nitrosodiphenylamine	TRG		86-30-6	NE	NE		35 UJ	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	340 U	250 U	37 U	36 U	37 U
Pentachlorophenol	TRG		87-86-5	800	6700		35 R	34 U	34 U	420 U	190 U	2100 U	190 U	180 U	1500 U	180 U	1700 U	1200 U	190 U	180 U	190 U
Phenanthrene	TRG		85-01-8	100000	500000		35 UJ	34 U	34 U	**150**	37 U	430 U	39 U	36 U	**500**	36 U	**2900**	**640**	37 U	36 U	37 U
Phenol	TRG		108-95-2	330	500000		35 R	34 U	34 U	84 U	37 U	430 U	39 U	36 U	300 U	36 U	340 U	250 U	37 U	36 U	37 U
Pyrene	TRG		129-00-0	100000	500000		35 UJ	34 U	34 U	**320**	37 U	430 U	39 U	36 U	**960**	36 U	**4800**	**1200**	37 U	36 U	37 U
Total SVOCs	TRG		TSVOC	NE	NE		**231**	0	0	**3130**	0	**1700**	0	0	**7210**	0	**31470**	**12620**	0	0	0

Table 5-3
Summary of Soil Semivolatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

						Location Name	SB-04	SB-04	SB-04	SW-01	SW-01	SW-02	SW-02	SW-02	SW-03	SW-04	SW-04	SW-05	SW-05	SW-05	SW-05
						Sample Name	SB-4 (0-2)	SB-4 (28-30)	SB-4 (5-10)	SW-1 (18-20)	SW-1 (28-30)	SW-2 (15-16)	SW-2 (28-30)	SW-3 (28-30)	SW-3 (8-9)	SW-4 (28-30)	SW-4 (9-10)	SW-5 (19-21)	SW-5 (21-25)	SW-5 (28-30)	SW-5 (38-40)
						Sample Date	7/7/2015	7/7/2015	7/7/2015	7/13/2015	7/13/2015	7/1/2015	7/1/2015	7/1/2015	7/1/2015	6/30/2015	6/30/2015	7/9/2015	7/9/2015	7/9/2015	7/9/2015
						Parent Sample															
Analyte	**Result Type**	**Units**	**CAS No.**	**Unrestricted SCO**	**Commercial SCO**																
(+-)-3,3-Dimethyltricyclo[5.4.0.0(2,9)]	TIC		57768-52-2	NE	NE																
(+,-)-.beta.-Himachalene	TIC		17928-54-0	NE	NE																
(17Alpha)-A'-Neo-30-Norgammacerane	TIC		53584-60-4	NE	NE												**3000 NJ**				
(E)- and (Z)-15-Acetonyl-8.alpha.,17-ep	TIC		88034-07-5	NE	NE																
(Z)-9-Octadecanimide	TIC		301-02-0	NE	NE		**370 NJ**	**500 NJ**		**320 J**			**1000 NJ**			**140 NJ**			**170 J**	**1300 J**	**1200 J**
.Alpha.-Ethenylde-1-Naphthalenepropanol	TIC		3650-30-4	NE	NE												**3000 NJ**				
.alpha.-Gurjunene	TIC		489-40-7	NE	NE	**93 NJ**															
.beta.-Amyrin	TIC		559-70-6	NE	NE												**13000 NJ**				
.beta.-Selinene	TIC		17066-67-0	NE	NE																
.Gamma.-Sitosterol	TIC		83-47-6	NE	NE	**81 NJ**				**700 J**		**2400 NJ**			**9700 NJ**		**27000 NJ**	**3000 J**			
1,1,2,2-Tetrachloroethane	TIC		79-34-5	NE	NE																
1,1,2-Trichloroethane	TIC		79-00-5	NE	NE																
1,1,3,3-TETRAMETHYL-1,3-DISILAINDAN	TIC		54113-93-8	NE	NE							**1800 NJ**						**1300 J**			
1,2,3,3a,5,6,6a,7-Octahydro-1,3a,6-trim	TIC		71583-68-1	NE	NE																
1,2,3,4-Tetrahydro-7-methoxy-2-methyl-8-(phenylmethoxy) isoquinoline	TIC		36646-87-4	NE	NE																
1,2,3,6-Tetramethyltricyclo[5.4.0.0(3,9	TIC		72523-40-1	NE	NE																
1,2-Benzenedicarboxylic acid, bis(4-met	TIC		146-50-9	NE	NE																
1,2-Benzenedicarboxylic acid, bis(8-met	TIC		89-16-7	NE	NE																
1,2-Benzenedicarboxylic acid, diisodecy	TIC		26761-40-0	NE	NE					**290 J**											
1,2-Benzenedicarboxylic acid, dinonyl e	TIC		84-76-4	NE	NE																
1,2-Benzenedicarboxylic acid, isodecyl	TIC		1330-96-7	NE	NE																
1,2-Dimethyl-3-pentyl-4-propylcyclohexane	TIC		62376-17-4	NE	NE																
1,3,5-Trimethylbenzene (Mesitylene)	TIC		108-67-8	8400	190000																
1,3-Dimethylnaphthalene	TIC		575-41-7	NE	NE																
1,3-Pentanediol, 2,2,4-Trimethyl-	TIC		144-19-4	NE	NE																
1,3-PROPANEDIOL DIBENZOATE	TIC		2451-86-7	NE	NE													**1400 J**			
1,4,5-Trimethylnaphthalene	TIC		2131-41-1	NE	NE																
1,4,6-Trimethylnaphthalene	TIC		2131-42-2	NE	NE																
1,4-Benzenediamine, N,N'-diphenyl-	TIC		74-31-7	NE	NE																
1,6,7-Trimethylnaphthalene	TIC		2245-38-7	NE	NE																
1,8-Nonanediol, 8-methyl-	TIC		54725-73-4	NE	NE																
10a.beta.-Hydroxymethyl-7-methoxy-3,3-d	TIC		78661-23-1	NE	NE																
10-Methoxybenz[a]azulen-1,4-dione	TIC		76319-77-2	NE	NE					**200 J**								**1100 J**			
11-n-Butyldocosane	TIC		13475-76-8	NE	NE	**80 NJ**															
16-Octadecenal	TIC		56554-87-1	NE	NE																
17-Octadecenal	TIC		56554-86-0	NE	NE																
1-Butoxy-2-Propanol	TIC		5131-66-8	NE	NE											**87 NJ**					
1-Dotriacontanol	TIC		6624-79-9	NE	NE																
1-Eicosyne	TIC		765-27-5	NE	NE																
1-Ethyltoluene	TIC		611-14-3	NE	NE									**74 NJ**							
1-Hexacosanol	TIC		506-52-5	NE	NE																
1-Hexadecanol	TIC		29354-98-1	NE	NE																
1H-Purin-6-amine, [(2-fluorophenyl)meth	TIC		74421-44-6	NE	NE																
1-Nonacosanol	TIC		25154-56-7	NE	NE																
1-Nonadecene	TIC		18435-45-5	NE	NE																
1-Octadecanol	TIC		112-92-5	NE	NE																
1-Octanol, 2-butyl-	TIC		2/8/3913	NE	NE																
1-Stearoyl-1,2,4-triazole	TIC		60718-55-0	NE	NE																
2,2'-Dimethyl-4,4',5,5'-tetramethoxybip	TIC		62012-51-5	NE	NE					**780 J**											
2,3,6-Trimethylnapthalene	TIC		829-26-5	NE	NE																
2,3-Dihydro-1,1,3-trimethyl-3-phenyl-1H-Indene	TIC		3910-35-8	NE	NE																
2,4-DIOCTYLPHENOL	TIC		29988-16-7	NE	NE																
2,4-Pentanedione, 3-(7-acetyl-6-hydroxy	TIC		37645-86-6	NE	NE																
2,5-Dimethylundecane	TIC		17301-22-3	NE	NE																
2,6,10,14-Tetramethylhexadecane	TIC		638-36-8	NE	NE																
2,6,10,15-Tetramethylheptadecane	TIC		54833-48-6	NE	NE																
2,6,10-Trimethyldodecane	TIC		3891-98-3	NE	NE																
2,6,11-Trimethyldodecane	TIC		31295-56-4	NE	NE																
2,6-Dimethyl-6-Nitro-2-Hepten-4-One	TIC		73583-56-9	NE	NE	**580 NJ**															
2,6-Dimethyl-Napthalene	TIC		581-42-0	NE	NE																
2,7,10-Trimethyl Dodecane	TIC		74645-98-0	NE	NE																
20.xi.-Lanosta-7,9(11)-diene-3.beta.,18	TIC		25116-58-9	NE	NE																
2-Chloro-p-methoxybiphenyl	TIC		74428-82-3	NE	NE																
2-Decene, 4-methyl-, (Z)-	TIC		74630-30-1	NE	NE																
2-Ethyl-1-Hexanol	TIC		104-76-7	NE	NE																
2-Methyl Decane	TIC		6975-98-0	NE	NE																
2-Methyl-6-Propyldodecane	TIC		55045-08-4	NE	NE																
2-Methylanthracene	TIC		613-12-7	NE	NE																
2-Methylphenol (O-Cresol)	TIC		00095-48-7	NE	NE																
2-Undecene, 2,5-dimethyl-	TIC		49622-16-4	NE	NE											**110 NJ**					
3,6,9,12,15-Pentaoxanonadecan-1-Ol	TIC		1786-94-3	NE	NE																
3,7,11-Tridecatrienenitrile, 4,8,12-tri	TIC		1/5/6006	NE	NE										**1400 NJ**						
3,7,11-Trimethyldodeca-1,6(E),10-triene	TIC		66633-32-7	NE	NE							**1200 NJ**			**1600 NJ**						

Table 5-3
Summary of Soil Semivolatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	SB-04	SB-04	SB-04	SW-01	SW-01	SW-02	SW-02	SW-02	SW-03	SW-04	SW-04	SW-05	SW-05	SW-05	SW-05
					Sample Name	SB-4 (0-2)	SB-4 (28-30)	SB-4 (5-10)	SW-1 (18-20)	SW-1 (28-30)	SW-2 (15-16)	SW-2 (28-30)	SW-3 (28-30)	SW-3 (8-9)	SW-4 (28-30)	SW-4 (9-10)	SW-5 (19-21)	SW-5 (21-25)	SW-5 (28-30)	SW-5 (38-40)
					Sample Date	7/7/2015	7/7/2015	7/7/2015	7/13/2015	7/13/2015	7/1/2015	7/1/2015	7/1/2015	7/1/2015	6/30/2015	6/30/2015	7/9/2015	7/9/2015	7/9/2015	7/9/2015
					Parent Sample															
Analyte	**Result Type**	**Units**	**CAS No.**	**Unrestricted SCO**	**Commercial SCO**															
3-Azafluorene	TIC		244-42-8	NE	NE				**220 J**											
3-Eicosene, (E)-	TIC		74685-33-9	NE	NE	**300 NJ**														
3-Penten-2-One (Trans)	TIC		3102-33-8	NE	NE	**100 NJ**														
3-PHENYLTHIOPENTAN-2-ONE	TIC		62870-22-8	NE	NE															
4-(1,1,3,3-Tetramethylbutyl)Phenol	TIC		140-66-9	NE	NE															
4-(2,6,6-Trimethyl-1-Cyclohexen-1-Yl)-3-Buten-2-One	TIC		14901-07-6	NE	NE															
4,4'-Dimethylbiphenyl	TIC		613-33-2	NE	NE															
4-Chloro-4'-methoxybiphenyl	TIC		58970-19-7	NE	NE															
4-Ethyl-5-methylheptanamide	TIC		54789-40-1	NE	NE															
4-Fluorocumene	TIC		403-39-4	NE	NE															
4H-Cyclopenta[Def]Phenanthrene	TIC		203-64-5	NE	NE															
4-Methyl-9H-Fluorene	TIC		1556-99-6	NE	NE															
4-Methyldibenzofuran	TIC		7320-53-8	NE	NE															
5-Propyltridecane	TIC		55045-11-9	NE	NE															
6-Acetyl-5-hydroxy-1,8-dimethyl-1,2,3,4	TIC		69611-14-9	NE	NE						**4800 NJ**									
6-Propyltridecane	TIC		55045-10-8	NE	NE												**2100 J**			
7-Tetradecyne	TIC		35216-11-6	NE	NE															
9,10-Anthracenedione	TIC		84-65-1	NE	NE															
9-Dodecyltetradecahydroanthracene	TIC		55401-75-7	NE	NE															
9-Hexylheptadecane	TIC		55124-79-3	NE	NE															
9H-Fluorene, 2-Methyl-	TIC		1430-97-3	NE	NE															
9-Methylacridine	TIC		611-64-3	NE	NE															
9-Octadecene, (E)-	TIC		7206-25-9	NE	NE															
Acetic Acid, (Triphenylphosphoranylidene	TIC		2605-67-6	NE	NE															
AMORPHANE-A	TIC		34315-85-0	NE	NE															
A'-Neo-30-norgammacerane	TIC		36728-72-0	NE	NE						**1800 NJ**									
Anthanthrene	TIC		191-26-4	NE	NE															
Anthracene, 9-cyclohexyltetradecahydro-	TIC		55255-70-4	NE	NE															
Aristolone	TIC		6831-17-0	NE	NE									**3900 NJ**						
Benzene, 1,1'-(1,2-ethanediyl)bis[3,4-d	TIC		34101-86-5	NE	NE															
Benzeneacetonitrile, .alpha.-methylene-	TIC		495-10-3	NE	NE						**1200 NJ**									
Benzenepentanoic acid, .delta.-oxo-	TIC		1501-05-9	NE	NE						**1800 NJ**									
Benzo(B)Fluorene	TIC		243-17-4	NE	NE															
Benzo[E]Pyrene	TIC		192-97-2	NE	NE															
Benzophenone	TIC		119-61-9	NE	NE															
Benzyl Alcohol	TIC		100-51-6	NE	NE															
Beta-Sitosterol	TIC		83-46-5	NE	NE															
Bisphenol A	TIC		80-05-7	NE	NE		**100 NJ**	**200 NJ**	**410 J**									**450 J**	**87 J**	**110 J**
Butane, 2-ethoxy-	TIC		2679-87-0	NE	NE															
Butanoic acid, 3-oxo-, 1,1-dimethylethy	TIC		1694-31-1	NE	NE															
Chrysene, 5-Methyl-	TIC		3697-24-3	NE	NE															
Coronene	TIC		191-07-1	NE	NE				**1100 J**											
Curan-17-oic acid, 2,16-didehydro-20-hy	TIC		56053-15-7	NE	NE															
Cyclohexane, azido-	TIC		19573-22-9	NE	NE															
Cyclopentane, (4-Octyldodecyl)-	TIC		9/5/5638	NE	NE															
Cyclopentylsilane	TIC		80249-74-7	NE	NE							**870 NJ**								
Cyclotetracosane	TIC		297-03-0	NE	NE	**280 NJ**														
D:C-Friedoolean-8-En-3-One	TIC		22611-26-3	NE	NE									**8000 NJ**						
Decamethyl-Cyclopentasiloxane	TIC		541-02-6	NE	NE										**110 NJ**					
Decanedioic acid	TIC		111-20-6	NE	NE															
D-Friedoolean-14-Ene, 3-Methoxy-, (3.Bet	TIC		14021-23-9	NE	NE															
D-Homoandrostane, (5.alpha.,13.alpha.)-	TIC		54482-31-4	NE	NE															
Diacetone Alcohol	TIC		123-42-2	NE	NE															
Diisobutyl phthalate	TIC		84-69-5	NE	NE															
Dioctadecyl Ester Phosphonic Acid	TIC		19047-85-9	NE	NE															
DMPA	TIC		24650-42-8	NE	NE															
Dodecamethyl Cyclohexasiloxane	TIC		540-97-6	NE	NE										**130 NJ**					
Dodecanamide	TIC		1120-16-7	NE	NE															
ENDOISOCAMPHANE	TIC		20536-40-7	NE	NE															
Ethane, 1-(2,3-xylyl)-1-(3,4-xylyl)-	TIC		2816-98-0	NE	NE															
Ethylene Glycol Mono Butyl Ether	TIC		111-76-2	NE	NE															
FRANKLINOL	TIC		57706-65-7	NE	NE															
Friedelin	TIC		559-74-0	NE	NE															
Heneicosane	TIC		629-94-7	NE	NE						**1100 NJ**									
Heptacosane	TIC		593-49-7	NE	NE															
Heptadecane	TIC		629-78-7	NE	NE						**1100 NJ**									
Heptadecane, 2,6,10,14-Tetramethyl-	TIC		18344-37-1	NE	NE															

Table 5-3
Summary of Soil Semivolatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO	Location Name Sample Name Sample Date Parent Sample	SB-04 SB-4 (0-2) 7/7/2015	SB-04 SB-4 (28-30) 7/7/2015	SB-04 SB-4 (5-10) 7/7/2015	SW-01 SW-1 (18-20) 7/13/2015	SW-01 SW-1 (28-30) 7/13/2015	SW-02 SW-2 (15-16) 7/1/2015	SW-02 SW-2 (28-30) 7/1/2015	SW-02 SW-3 (28-30) 7/1/2015	SW-03 SW-3 (8-9) 7/1/2015	SW-04 SW-4 (28-30) 6/30/2015	SW-04 SW-4 (9-10) 6/30/2015	SW-05 SW-5 (19-21) 7/9/2015	SW-05 SW-5 (21-25) 7/9/2015	SW-05 SW-5 (28-30) 7/9/2015	SW-05 SW-5 (38-40) 7/9/2015
Heptadecane, 2,6-Dimethyl-	TIC		54105-67-8	NE	NE																
Hexadecanamide	TIC		629-54-9	NE	NE																
Hexadecane, 1-(ethenyloxy)-	TIC		822-28-6	NE	NE																
Hexadecanoic Acid	TIC		57-10-3	NE	NE																
Hexanedioic acid, dioctyl ester	TIC		123-79-5	NE	NE																
Hexanoic Acid (DOT)	TIC		142-62-1	NE	NE								**96 NJ**								
HEXANOL-6-D3	TIC		53778-66-8	NE	NE																
Hexatriacontane	TIC		630-06-8	NE	NE																
Isocopalane	TIC		79191-19-8	NE	NE																
Isophorone	TIC		00078-59-1	NE	NE																
Isopropanol	TIC		67-63-0	NE	NE																
Labda-8(17),12,14-trien-19-oic acid methyl ester	TIC		1235-39-8	NE	NE																
LONGIBORN-9-ENE	TIC		61262-67-7	NE	NE																
Longifolene	TIC		475-20-7	NE	NE												**25000 NJ**				
Lup-20(29)-En-3-One	TIC		1617-70-5	NE	NE																
Manool	TIC		596-85-0	NE	NE																
Mesityl Oxide	TIC		141-79-7	NE	NE																
Methyl 5-(2,4-dichlorophenoxy)methyl-3-	TIC		85858-62-4	NE	NE																
N-Decane	TIC		124-18-5	NE	NE									**90 NJ**							
N-Docosane	TIC		629-97-0	NE	NE										**3900 NJ**						
N-Dodecane	TIC		112-40-3	NE	NE	**120 NJ**															
N-Eicosane	TIC		112-95-8	NE	NE	**110 NJ**												**1500 J**			
N-Hexadecane	TIC		544-76-3	NE	NE																
N-Octacosane	TIC		630-02-4	NE	NE																
N-Octadecane	TIC		593-45-3	NE	NE										**1200 NJ**		**4600 NJ**				
Nonadecane	TIC		629-92-5	NE	NE										**3700 NJ**						
Nonanamide	TIC		1120-07-6	NE	NE																
Nonylphenol	TIC		25154-52-3	NE	NE																
Norphytane	TIC		1921-70-6	NE	NE																
N-Triacontane	TIC		638-68-6	NE	NE												**6400 NJ**				
N-Tridecane	TIC		629-50-5	NE	NE																
N-Undecane	TIC		1120-21-4	NE	NE																
Octadecanoic Acid	TIC		57-11-4	NE	NE																
Olean-12-ene	TIC		471-68-1	NE	NE										**4700 NJ**		**17000 NJ**				
Pentacosane	TIC		629-99-2	NE	NE							**2400 NJ**					**5800 NJ**				
Pentadecane	TIC		629-62-9	NE	NE										**2100 NJ**			**2400 J**			
Pentanamide, 4-methyl-	TIC		1119-29-5	NE	NE																
Perylene	TIC		198-55-0	NE	NE					**420 J**								**1300 J**			
Phenanthrene, 1,2,3,4,4a,9,10,10a-octah	TIC		10064-26-3	NE	NE																
Phenanthrene, 9-dodecyltetradecahydro-	TIC		55334-01-5	NE	NE																
Phenol, 4-(1-methyl-1-phenylethyl)-	TIC		599-64-4	NE	NE																
Podocarpa-8,11,13-trien-3-one, 14-isopr	TIC		18326-16-4	NE	NE																
Pregn-5-en-20-one, 3-hydroxy-, (3.beta.	TIC		566-63-2	NE	NE																
Propylene Glycol	TIC		57-55-6	NE	NE	**180 NJ**															
Pyrene, hexadecahydro-	TIC		2435-85-0	NE	NE																
Pyridine, 3,4-diphenyl-	TIC		4/6/5216	NE	NE																
Squalane	TIC		111-01-3	NE	NE																
Tetracosanol	TIC		506-51-4	NE	NE																
Tetraethylene Glycol	TIC		112-60-7	NE	NE																
Tetratetracontane	TIC		7098-22-8	NE	NE																
Titanium, .eta.8-cyclooctatetraene-.eta	TIC		55672-83-8	NE	NE																
Triacetin	TIC		102-76-1	NE	NE																
Trichloroethylene (TCE)	TIC		79-01-6	470	200000																
Tricosane	TIC		638-67-5	NE	NE	**89 NJ**												**2500 J**			
Tridecane, 5-methyl-	TIC		25117-31-1	NE	NE	**87 NJ**															
Triethylene Glycol	TIC		112-27-6	NE	NE																
Triphenylphosphine Oxide	TIC		791-28-6	NE	NE																
Unknown With 10th Highest Conc.	TIC		UNKNOWN10	NE	NE					**680 J**								**4600 J**			
Unknown With 11th Highest Conc.	TIC		UNKNOWN11	NE	NE																
Unknown With 12th Highest Conc.	TIC		UNKNOWN12	NE	NE																
Unknown With 13th Highest Conc.	TIC		UNKNOWN13	NE	NE																
Unknown With 14th Highest Conc.	TIC		UNKNOWN14	NE	NE																
Unknown With 1st Highest Conc.	TIC		UNKNOWN1	NE	NE	**110 J**				**200 J**	**1500 J**	**1200 J**			**1400 J**		**3000 J**	**1100 J**		**130 J**	
Unknown With 2nd Highest Conc.	TIC		UNKNOWN2	NE	NE	**110 J**				**210 J**		**1300 J**		**190 J**	**1700 J**	**290 J**		**1200 J**	**110 J**		
Unknown With 3rd Highest Conc.	TIC		UNKNOWN3	NE	NE	**180 J**				**220 J**		**1500 J**	**82 J**		**1800 J**		**3500 J**	**1200 J**	**140 J**		
Unknown With 4th Highest Conc.	TIC		UNKNOWN4	NE	NE	**2000 J**				**230 J**		**1500 J**	**86 J**		**2000 J**	**81 J**	**3800 J**	**1400 J**			
Unknown With 5th Highest Conc.	TIC		UNKNOWN5	NE	NE					**240 J**		**1900 J**			**2200 J**		**3900 J**		**450 J**		
Unknown With 6th Highest Conc.	TIC		UNKNOWN6	NE	NE	**90 J**				**260 J**							**4000 J**	**1500 J**	**79 J**		
Unknown With 7th Highest Conc.	TIC		UNKNOWN7	NE	NE							**2700 J**			**3500 J**		**4900 J**	**1800 J**	**91 J**		
Unknown With 8th Highest Conc.	TIC		UNKNOWN8	NE	NE					**290 J**		**2900 J**			**8000 J**		**6600 J**	**2000 J**			
Unknown With 9th Highest Conc.	TIC		UNKNOWN9	NE	NE					**330 J**		**6100 J**					**7700 J**	**2400 J**			
Vitamin E	TIC		59-02-9	NE	NE										**1300 NJ**		**5600 NJ**				

Table 5-3
Summary of Soil Semivolatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO	Location Name / Sample Name / Sample Date / Parent Sample	SW-06 SW-6 (10-11) 6/30/2015	SW-06 SW-6 (28-30) 6/30/2015	SW-07 SW-7 (10-11) 6/30/2015	SW-07 SW-7 (28-30) 6/30/2015	SW-08 SW-8 (10-11) 7/1/2015	SW-08 SW-8 (28-30) 7/1/2015	SW-09 2015_07-01 DUP 7/1/2015 SW-9 (12-13)-5070208	SW-09 SW-9 (12-13) 7/1/2015	SW-09 SW-9 (28-30) 7/1/2015	SW-10 SW-10 (12-14) 7/9/2015	SW-10 SW-10 (28-30) 7/9/2015
SSO_SVOC		ug/kg															
1,2,4,5-Tetrachlorobenzene	TRG		95-94-3	NE	NE		300 U	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	120 U	36 U
2,3,4,6-Tetrachlorophenol	TRG		58-90-2	NE	NE		300 U	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	120 U	36 U
2,4,5-Trichlorophenol	TRG		95-95-4	NE	NE		300 U	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	120 U	36 U
2,4,6-Trichlorophenol	TRG		88-06-2	NE	NE		300 U	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	120 U	36 U
2,4-Dichlorophenol	TRG		120-83-2	NE	NE		76 U	10 U	64 U	10 U	140 U	9 U	58 U	30 U	9 U	31 U	9 U
2,4-Dimethylphenol	TRG		105-67-9	NE	NE		76 U	10 U	64 U	10 U	140 U	9 U	58 U	30 U	9 U	31 U	9 U
2,4-Dinitrophenol	TRG		51-28-5	NE	NE		1500 U	200 U	1300 U	200 U	2800 U	180 U	1200 U	600 U	180 U	620 U	180 U
2,4-Dinitrotoluene	TRG		121-14-2	NE	NE		300 U	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	120 U	36 U
2,6-Dinitrotoluene	TRG		606-20-2	NE	NE		300 U	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	120 U	36 U
2-Chloronaphthalene	TRG		91-58-7	NE	NE		300 U	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	120 U	36 U
2-Chlorophenol	TRG		95-57-8	NE	NE		300 U	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	120 U	36 U
2-Methylnaphthalene	TRG		91-57-6	NE	NE		300 U	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	120 U	36 U
2-Methylphenol (O-Cresol)	TRG		95-48-7	330	500000		76 U	10 U	64 U	10 U	140 U	9 U	58 U	30 U	9 U	31 U	9 U
2-Nitroaniline	TRG		88-74-4	NE	NE		300 U	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	120 U	36 U
2-Nitrophenol	TRG		88-75-5	NE	NE		300 U	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	120 U	36 U
3,3'-Dichlorobenzidine	TRG		91-94-1	NE	NE		300 U	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	120 U	36 U
3-Nitroaniline	TRG		99-09-2	NE	NE		300 U	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	120 U	36 U
4,6-Dinitro-2-Methylphenol	TRG		534-52-1	NE	NE		1500 U	200 U	1300 U	200 U	2800 U	180 U	1200 U	600 U	180 U	620 U	180 U
4-Bromophenyl Phenyl Ether	TRG		101-55-3	NE	NE		300 U	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	120 U	36 U
4-Chloro-3-Methylphenol	TRG		59-50-7	NE	NE		300 U	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	120 U	36 U
4-Chloroaniline	TRG		106-47-8	NE	NE		76 U	10 UJ	64 U	10 U	140 U	9 U	58 U	30 U	9 U	31 U	9 U
4-Chlorophenyl Phenyl Ether	TRG		7005-72-3	NE	NE		300 U	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	120 U	36 U
4-Methylphenol (P-Cresol)	TRG		106-44-5	330	500000		76 U	10 U	64 U	10 U	**370**	9 U	58 U	30 U	9 U	31 U	9 U
4-Nitroaniline	TRG		100-01-6	NE	NE		300 U	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	120 U	36 U
4-Nitrophenol	TRG		100-02-7	NE	NE		300 U	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	120 U	36 U
Acenaphthene	TRG		83-32-9	20000	500000		300 U	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	**140**	36 U
Acenaphthylene	TRG		208-96-8	100000	500000		300 U	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	120 U	36 U
Acetophenone	TRG		98-86-2	NE	NE		300 U	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	120 U	36 U
Anthracene	TRG		120-12-7	100000	500000		300 U	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	**250**	36 U
Atrazine	TRG		1912-24-9	NE	NE		300 U	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	120 U	36 U
Benzaldehyde	TRG		100-52-7	NE	NE		300 U	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	120 U	36 U
Benzo(A)Anthracene	TRG		56-55-3	1000	5600		**1400**	40 U	260 U	40 U	**580**	36 U	230 U	120 U	36 U	**650**	36 U
Benzo(A)Pyrene	TRG		50-32-8	1000	1000		**1400**	40 U	260 U	40 U	**610**	36 U	230 U	120 U	36 U	**630**	36 U
Benzo(B)Fluoranthene	TRG		205-99-2	1000	5600		**2400**	40 U	260 U	40 U	**1300**	36 U	230 U	120 U	36 U	**940**	36 U
Benzo(G,H,I)Perylene	TRG		191-24-2	100000	500000		**1200**	40 U	260 U	40 U	**700**	36 U	230 U	120 U	36 U	**510**	36 U
Benzo(K)Fluoranthene	TRG		207-08-9	800	56000		**740**	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	**370**	36 U
Benzyl Butyl Phthalate	TRG		85-68-7	NE	NE		300 U	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	120 U	36 U
Biphenyl (Diphenyl)	TRG		92-52-4	NE	NE		300 U	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	120 U	36 U
Bis(2-Chloroethoxy) Methane	TRG		111-91-1	NE	NE		300 U	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	120 U	36 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	TRG		111-44-4	NE	NE		76 U	10 U	64 U	10 U	140 U	9 U	58 U	30 U	9 U	31 U	9 U
Bis(2-Chloroisopropyl) Ether	TRG		108-60-1	NE	NE		300 U	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	120 U	36 U
Bis(2-Ethylhexyl) Phthalate	TRG		117-81-7	NE	NE		**3300**	40 U	**380**	40 U	**4400**	36 U	230 U	120 U	36 U	**560**	36 U
Caprolactam	TRG		105-60-2	NE	NE		300 U	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	120 U	36 U
Carbazole	TRG		86-74-8	NE	NE		300 U	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	**160**	36 U
Chrysene	TRG		218-01-9	1000	56000		**1900**	40 U	260 U	40 U	**1300**	36 U	230 U	120 U	36 U	**820**	36 U
Dibenz(A,H)Anthracene	TRG		53-70-3	330	560		**310**	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	**120**	36 U
Dibenzofuran	TRG		132-64-9	7000	350000		76 U	10 U	64 U	10 U	140 U	9 U	58 U	30 U	9 U	**64**	9 U
Diethyl Phthalate	TRG		84-66-2	NE	NE		300 U	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	120 U	36 U
Dimethyl Phthalate	TRG		131-11-3	NE	NE		300 U	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	120 U	36 U
Di-N-Butyl Phthalate	TRG		84-74-2	NE	NE		**170**	10 U	64 U	10 U	140 U	**13**	58 U	30 U	9 U	**32**	9 U
Di-N-Octylphthalate	TRG		117-84-0	NE	NE		300 U	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	120 U	36 U
Fluoranthene	TRG		206-44-0	100000	500000		**3200**	40 U	260 U	40 U	**1400**	36 U	230 U	120 U	36 U	**2000**	36 U
Fluorene	TRG		86-73-7	30000	500000		300 U	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	**130**	36 U
Hexachlorobenzene	TRG		118-74-1	330	6000		300 U	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	120 U	36 U
Hexachlorobutadiene	TRG		87-68-3	NE	NE		300 U	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	120 U	36 U
Hexachlorocyclopentadiene	TRG		77-47-4	NE	NE		300 U	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	120 U	36 U
Hexachloroethane	TRG		67-72-1	NE	NE		300 U	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	120 U	36 U
Indeno(1,2,3-C,D)Pyrene	TRG		193-39-5	500	5600		**1100**	40 U	260 U	40 U	**560**	36 U	230 U	120 U	36 U	**450**	36 U
Isophorone	TRG		78-59-1	NE	NE		300 U	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	120 U	36 U
Naphthalene	TRG		91-20-3	12000	500000		76 U	10 U	64 U	10 U	140 U	9 U	58 U	30 U	9 U	31 U	9 U
Nitrobenzene	TRG		98-95-3	NE	NE		300 U	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	120 U	36 U
N-Nitrosodi-N-Propylamine	TRG		621-64-7	NE	NE		76 U	10 U	64 U	10 U	140 U	9 U	58 U	30 U	9 U	31 U	9 U
N-Nitrosodiphenylamine	TRG		86-30-6	NE	NE		300 U	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	120 U	36 U
Pentachlorophenol	TRG		87-86-5	800	6700		1500 U	200 U	1300 U	200 U	2800 U	180 U	1200 U	600 U	180 U	620 U	180 U
Phenanthrene	TRG		85-01-8	100000	500000		**1600**	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	**1500**	36 U
Phenol	TRG		108-95-2	330	500000		300 U	40 U	260 U	40 U	560 U	36 U	230 U	120 U	36 U	120 U	36 U
Pyrene	TRG		129-00-0	100000	500000		**3000**	40 U	260 U	40 U	**1300**	36 U	230 U	120 U	36 U	**1600**	36 U
Total SVOCs	TRG		TSVOC	NE	NE		**21720**	0	**380**	0	**12520**	**13**	0	0	0	**10926**	0

Table 5-3
Summary of Soil Semivolatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	SW-06	SW-06	SW-07	SW-07	SW-08	SW-08	SW-09	SW-09	SW-09	SW-10	SW-10
					Sample Name	SW-6 (10-11)	SW-6 (28-30)	SW-7 (10-11)	SW-7 (28-30)	SW-8 (10-11)	SW-8 (28-30)	2015_07-01 DUP	SW-9 (12-13)	SW-9 (28-30)	SW-10 (12-14)	SW-10 (28-30)
					Sample Date	6/30/2015	6/30/2015	6/30/2015	6/30/2015	7/1/2015	7/1/2015	7/1/2015	7/1/2015	7/1/2015	7/9/2015	7/9/2015
					Parent Sample							SW-9 (12-13)-5070208				
Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO											
(+-)-3,3-Dimethyltricyclo[5.4.0.0(2,9)]	TIC		57768-52-2	NE	NE											
(+,-)-.beta.-Himachalene	TIC		17928-54-0	NE	NE											
(17Alpha)-A'-Neo-30-Norgammacerane	TIC		53584-60-4	NE	NE										**900 J**	
(E)- and (Z)-15-Acetonyl-8.alpha.,17-ep	TIC		88034-07-5	NE	NE	**5500 NJ**										
(Z)-9-Octadecanimide	TIC		301-02-0	NE	NE		**570 NJ**		**360 NJ**		**840 NJ**			**1000 NJ**		**700 J**
.Alpha.-Ethenylde-1-Naphthalenepropanol	TIC		3650-30-4	NE	NE			**5000 NJ**								
.alpha.-Gurjunene	TIC		489-40-7	NE	NE											
.beta.-Amyrin	TIC		559-70-6	NE	NE											
.beta.-Selinene	TIC		17066-67-0	NE	NE											
.Gamma.-Sitosterol	TIC		83-47-6	NE	NE	**22000 NJ**		**27000 NJ**		**18000 NJ**						
1,1,2,2-Tetrachloroethane	TIC		79-34-5	NE	NE											
1,1,2-Trichloroethane	TIC		79-00-5	NE	NE											
1,1,3,3-TETRAMETHYL-1,3-DISILAINDAN	TIC		54113-93-8	NE	NE										**550 J**	
1,2,3,3a,5,6,6a,7-Octahydro-1,3a,6-trim	TIC		71583-68-1	NE	NE				**380 NJ**							
1,2,3,4-Tetrahydro-7-methoxy-2-methyl-8-(phenylmethoxy) isoquinoline	TIC		36646-87-4	NE	NE											
1,2,3,6-Tetramethyltricyclo[5.4.0.0(3,9	TIC		72523-40-1	NE	NE				**340 NJ**							
1,2-Benzenedicarboxylic acid, bis(4-met	TIC		146-50-9	NE	NE											
1,2-Benzenedicarboxylic acid, bis(8-met	TIC		89-16-7	NE	NE											
1,2-Benzenedicarboxylic acid, diisodecy	TIC		26761-40-0	NE	NE											
1,2-Benzenedicarboxylic acid, dinonyl e	TIC		84-76-4	NE	NE											
1,2-Benzenedicarboxylic acid, isodecyl	TIC		1330-96-7	NE	NE											
1,2-Dimethyl-3-pentyl-4-propylcyclohexane	TIC		62376-17-4	NE	NE											
1,3,5-Trimethylbenzene (Mesitylene)	TIC		108-67-8	8400	190000									**87 NJ**		
1,3-Dimethylnaphthalene	TIC		575-41-7	NE	NE											
1,3-Pentanediol, 2,2,4-Trimethyl-	TIC		144-19-4	NE	NE											
1,3-PROPANEDIOL DIBENZOATE	TIC		2451-86-7	NE	NE											
1,4,5-Trimethylnaphthalene	TIC		2131-41-1	NE	NE											
1,4,6-Trimethylnaphthalene	TIC		2131-42-2	NE	NE											
1,4-Benzenediamine, N,N'-diphenyl-	TIC		74-31-7	NE	NE											
1,6,7-Trimethylnaphthalene	TIC		2245-38-7	NE	NE											
1,8-Nonanediol, 8-methyl-	TIC		54725-73-4	NE	NE											
10a.beta.-Hydroxymethyl-7-methoxy-3,3-d	TIC		78661-23-1	NE	NE											
10-Methoxybenz[a]azulen-1,4-dione	TIC		76319-77-2	NE	NE	**3500 NJ**				**4600 NJ**						
11-n-Butyldocosane	TIC		13475-76-8	NE	NE											
16-Octadecenal	TIC		56554-87-1	NE	NE											
17-Octadecenal	TIC		56554-86-0	NE	NE											
1-Butoxy-2-Propanol	TIC		5131-66-8	NE	NE											**74 J**
1-Dotriacontanol	TIC		6624-79-9	NE	NE											
1-Eicosyne	TIC		765-27-5	NE	NE											
1-Ethyltoluene	TIC		611-14-3	NE	NE											
1-Hexacosanol	TIC		506-52-5	NE	NE											
1-Hexadecanol	TIC		29354-98-1	NE	NE											
1H-Purin-6-amine, [(2-fluorophenyl)meth	TIC		74421-44-6	NE	NE											
1-Nonacosanol	TIC		25154-56-7	NE	NE											
1-Nonadecene	TIC		18435-45-5	NE	NE											
1-Octadecanol	TIC		112-92-5	NE	NE											
1-Octanol, 2-butyl-	TIC		2/8/3913	NE	NE											
1-Stearoyl-1,2,4-triazole	TIC		60718-55-0	NE	NE											
2,2'-Dimethyl-4,4',5,5'-tetramethoxybip	TIC		62012-51-5	NE	NE											
2,3,6-Trimethylnapthalene	TIC		829-26-5	NE	NE											
2,3-Dihydro-1,1,3-trimethyl-3-phenyl-1H-Indene	TIC		3910-35-8	NE	NE											
2,4-DIOCTYLPHENOL	TIC		29988-16-7	NE	NE											
2,4-Pentanedione, 3-(7-acetyl-6-hydroxy	TIC		37645-86-6	NE	NE											
2,5-Dimethylundecane	TIC		17301-22-3	NE	NE				**150 NJ**							
2,6,10,14-Tetramethylhexadecane	TIC		638-36-8	NE	NE											
2,6,10,15-Tetramethylheptadecane	TIC		54833-48-6	NE	NE											
2,6,10-Trimethyldodecane	TIC		3891-98-3	NE	NE											
2,6,11-Trimethyldodecane	TIC		31295-56-4	NE	NE											
2,6-Dimethyl-6-Nitro-2-Hepten-4-One	TIC		73583-56-9	NE	NE											
2,6-Dimethyl-Napthalene	TIC		581-42-0	NE	NE											
2,7,10-Trimethyl Dodecane	TIC		74645-98-0	NE	NE											
20.xi.-Lanosta-7,9(11)-diene-3.beta.,18	TIC		25116-58-9	NE	NE											
2-Chloro-p-methoxybiphenyl	TIC		74428-82-3	NE	NE	**22000 NJ**										
2-Decene, 4-methyl-, (Z)-	TIC		74630-30-1	NE	NE											
2-Ethyl-1-Hexanol	TIC		104-76-7	NE	NE				**92 NJ**							
2-Methyl Decane	TIC		6975-98-0	NE	NE											
2-Methyl-6-Propyldodecane	TIC		55045-08-4	NE	NE			**2800 NJ**								
2-Methylanthracene	TIC		613-12-7	NE	NE											
2-Methylphenol (O-Cresol)	TIC		00095-48-7	NE	NE											
2-Undecene, 2,5-dimethyl-	TIC		49622-16-4	NE	NE											
3,6,9,12,15-Pentaoxanonadecan-1-Ol	TIC		1786-94-3	NE	NE											
3,7,11-Tridecatrienenitrile, 4,8,12-tri	TIC		1/5/6006	NE	NE											
3,7,11-Trimethyldodeca-1,6(E),10-triene	TIC		66633-32-7	NE	NE											

Table 5-3
Summary of Soil Semivolatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	SW-06	SW-06	SW-07	SW-07	SW-08	SW-08	SW-09	SW-09	SW-09	SW-10	SW-10
					Sample Name	SW-6 (10-11)	SW-6 (28-30)	SW-7 (10-11)	SW-7 (28-30)	SW-8 (10-11)	SW-8 (28-30)	2015_07-01 DUP	SW-9 (12-13)	SW-9 (28-30)	SW-10 (12-14)	SW-10 (28-30)
					Sample Date	6/30/2015	6/30/2015	6/30/2015	6/30/2015	7/1/2015	7/1/2015	7/1/2015	7/1/2015	7/1/2015	7/9/2015	7/9/2015
					Parent Sample							SW-9 (12-13)-5070208				
Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO											
3-Azafluorene	TIC		244-42-8	NE	NE											
3-Eicosene, (E)-	TIC		74685-33-9	NE	NE											
3-Penten-2-One (Trans)	TIC		3102-33-8	NE	NE											
3-PHENYLTHIOPENTAN-2-ONE	TIC		62870-22-8	NE	NE											
4-(1,1,3,3-Tetramethylbutyl)Phenol	TIC		140-66-9	NE	NE											
4-(2,6,6-Trimethyl-1-Cyclohexen-1-Yl)-3-Buten-2-One	TIC		14901-07-6	NE	NE											
4,4'-Dimethylbiphenyl	TIC		613-33-2	NE	NE											
4-Chloro-4'-methoxybiphenyl	TIC		58970-19-7	NE	NE			**24000 NJ**							**1200 J**	
4-Ethyl-5-methylheptanamide	TIC		54789-40-1	NE	NE											
4-Fluorocumene	TIC		403-39-4	NE	NE											
4H-Cyclopenta[Def]Phenanthrene	TIC		203-64-5	NE	NE										**300 J**	
4-Methyl-9H-Fluorene	TIC		1556-99-6	NE	NE											
4-Methyldibenzofuran	TIC		7320-53-8	NE	NE											
5-Propyltridecane	TIC		55045-11-9	NE	NE											
6-Acetyl-5-hydroxy-1,8-dimethyl-1,2,3,4	TIC		69611-14-9	NE	NE			**83000 NJ**		**34000 NJ**						
6-Propyltridecane	TIC		55045-10-8	NE	NE											
7-Tetradecyne	TIC		35216-11-6	NE	NE											
9,10-Anthracenedione	TIC		84-65-1	NE	NE										**430 J**	
9-Dodecyltetradecahydroanthracene	TIC		55401-75-7	NE	NE										**350 J**	
9-Hexylheptadecane	TIC		55124-79-3	NE	NE	**5500 NJ**										
9H-Fluorene, 2-Methyl-	TIC		1430-97-3	NE	NE											
9-Methylacridine	TIC		611-64-3	NE	NE											
9-Octadecene, (E)-	TIC		7206-25-9	NE	NE											
Acetic Acid, (Triphenylphosphoranylidene	TIC		2605-67-6	NE	NE											
AMORPHANE-A	TIC		34315-85-0	NE	NE											
A'-Neo-30-norgammacerane	TIC		36728-72-0	NE	NE											
Anthanthrene	TIC		191-26-4	NE	NE										**570 J**	
Anthracene, 9-cyclohexyltetradecahydro-	TIC		55255-70-4	NE	NE											
Aristolone	TIC		6831-17-0	NE	NE					**12000 NJ**						
Benzene, 1,1'-(1,2-ethanediyl)bis[3,4-d	TIC		34101-86-5	NE	NE											
Benzeneacetonitrile, .alpha.-methylene-	TIC		495-10-3	NE	NE											
Benzenepentanoic acid, .delta.-oxo-	TIC		1501-05-9	NE	NE											
Benzo(B)Fluorene	TIC		243-17-4	NE	NE										**470 J**	
Benzo[E]Pyrene	TIC		192-97-2	NE	NE											
Benzophenone	TIC		119-61-9	NE	NE											
Benzyl Alcohol	TIC		100-51-6	NE	NE											
Beta-Sitosterol	TIC		83-46-5	NE	NE			**3500 NJ**								
Bisphenol A	TIC		80-05-7	NE	NE											**98 J**
Butane, 2-ethoxy-	TIC		2679-87-0	NE	NE											
Butanoic acid, 3-oxo-, 1,1-dimethylethy	TIC		1694-31-1	NE	NE											
Chrysene, 5-Methyl-	TIC		3697-24-3	NE	NE											
Coronene	TIC		191-07-1	NE	NE											
Curan-17-oic acid, 2,16-didehydro-20-hy	TIC		56053-15-7	NE	NE											
Cyclohexane, azido-	TIC		19573-22-9	NE	NE											
Cyclopentane, (4-Octyldodecyl)-	TIC		9/5/5638	NE	NE											
Cyclopentylsilane	TIC		80249-74-7	NE	NE											
Cyclotetracosane	TIC		297-03-0	NE	NE											
D:C-Friedoolean-8-En-3-One	TIC		22611-26-3	NE	NE											
Decamethyl-Cyclopentasiloxane	TIC		541-02-6	NE	NE											
Decanedioic acid	TIC		111-20-6	NE	NE											
D-Friedoolean-14-Ene, 3-Methoxy-, (3.Bet	TIC		14021-23-9	NE	NE											
D-Homoandrostane, (5.alpha.,13.alpha.)-	TIC		54482-31-4	NE	NE											
Diacetone Alcohol	TIC		123-42-2	NE	NE											
Diisobutyl phthalate	TIC		84-69-5	NE	NE											
Dioctadecyl Ester Phosphonic Acid	TIC		19047-85-9	NE	NE											
DMPA	TIC		24650-42-8	NE	NE											
Dodecamethyl Cyclohexasiloxane	TIC		540-97-6	NE	NE											
Dodecanamide	TIC		1120-16-7	NE	NE											
ENDOISOCAMPHANE	TIC		20536-40-7	NE	NE											
Ethane, 1-(2,3-xylyl)-1-(3,4-xylyl)-	TIC		2816-98-0	NE	NE											
Ethylene Glycol Mono Butyl Ether	TIC		111-76-2	NE	NE											
FRANKLINOL	TIC		57706-65-7	NE	NE	**4600 NJ**		**1800 NJ**								
Friedelin	TIC		559-74-0	NE	NE											
Heneicosane	TIC		629-94-7	NE	NE											
Heptacosane	TIC		593-49-7	NE	NE	**5100 NJ**										
Heptadecane	TIC		629-78-7	NE	NE										**370 J**	
Heptadecane, 2,6,10,14-Tetramethyl-	TIC		18344-37-1	NE	NE											

Table 5-3
Summary of Soil Semivolatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

Analyte	Result Type	Units	CAS No.	Unrestricted SCO	Commercial SCO	Location Name Sample Name Sample Date Parent Sample	SW-06 SW-6 (10-11) 6/30/2015	SW-06 SW-6 (28-30) 6/30/2015	SW-07 SW-7 (10-11) 6/30/2015	SW-07 SW-7 (28-30) 6/30/2015	SW-08 SW-8 (10-11) 7/1/2015	SW-08 SW-8 (28-30) 7/1/2015	SW-09 2015_07-01 DUP 7/1/2015 SW-9 (12-13)-5070208	SW-09 SW-9 (12-13) 7/1/2015	SW-09 SW-9 (28-30) 7/1/2015	SW-10 SW-10 (12-14) 7/9/2015	SW-10 SW-10 (28-30) 7/9/2015
Heptadecane, 2,6-Dimethyl-	TIC		54105-67-8	NE	NE												
Hexadecanamide	TIC		629-54-9	NE	NE												
Hexadecane, 1-(ethenyloxy)-	TIC		822-28-6	NE	NE												
Hexadecanoic Acid	TIC		57-10-3	NE	NE												
Hexanedioic acid, dioctyl ester	TIC		123-79-5	NE	NE										**94 NJ**		
Hexanoic Acid (DOT)	TIC		142-62-1	NE	NE												
HEXANOL-6-D3	TIC		53778-66-8	NE	NE												
Hexatriacontane	TIC		630-06-8	NE	NE						**8000 NJ**						
Isocopalane	TIC		79191-19-8	NE	NE												
Isophorone	TIC		00078-59-1	NE	NE												
Isopropanol	TIC		67-63-0	NE	NE												
Labda-8(17),12,14-trien-19-oic acid methyl ester	TIC		1235-39-8	NE	NE												
LONGIBORN-9-ENE	TIC		61262-67-7	NE	NE												
Longifolene	TIC		475-20-7	NE	NE												
Lup-20(29)-En-3-One	TIC		1617-70-5	NE	NE		**30000 NJ**										
Manool	TIC		596-85-0	NE	NE		**6200 NJ**										
Mesityl Oxide	TIC		141-79-7	NE	NE												
Methyl 5-(2,4-dichlorophenoxy)methyl-3-	TIC		85858-62-4	NE	NE												
N-Decane	TIC		124-18-5	NE	NE							**90 NJ**			**88 NJ**		
N-Docosane	TIC		629-97-0	NE	NE												
N-Dodecane	TIC		112-40-3	NE	NE												
N-Eicosane	TIC		112-95-8	NE	NE												
N-Hexadecane	TIC		544-76-3	NE	NE						**3100 NJ**					**660 J**	
N-Octacosane	TIC		630-02-4	NE	NE												
N-Octadecane	TIC		593-45-3	NE	NE				**1700 NJ**							**370 J**	
Nonadecane	TIC		629-92-5	NE	NE		**6200 NJ**		**2100 NJ**								
Nonanamide	TIC		1120-07-6	NE	NE												
Nonylphenol	TIC		25154-52-3	NE	NE												
Norphytane	TIC		1921-70-6	NE	NE												
N-Triacontane	TIC		638-68-6	NE	NE												
N-Tridecane	TIC		629-50-5	NE	NE												
N-Undecane	TIC		1120-21-4	NE	NE												
Octadecanoic Acid	TIC		57-11-4	NE	NE												
Olean-12-ene	TIC		471-68-1	NE	NE												
Pentacosane	TIC		629-99-2	NE	NE												
Pentadecane	TIC		629-62-9	NE	NE												
Pentanamide, 4-methyl-	TIC		1119-29-5	NE	NE												
Perylene	TIC		198-55-0	NE	NE											**570 J**	
Phenanthrene, 1,2,3,4,4a,9,10,10a-octah	TIC		10064-26-3	NE	NE												
Phenanthrene, 9-dodecyltetradecahydro-	TIC		55334-01-5	NE	NE												
Phenol, 4-(1-methyl-1-phenylethyl)-	TIC		599-64-4	NE	NE												**84 J**
Podocarpa-8,11,13-trien-3-one, 14-isopr	TIC		18326-16-4	NE	NE		**6300 NJ**		**3000 NJ**								
Pregn-5-en-20-one, 3-hydroxy-, (3.beta.	TIC		566-63-2	NE	NE		**4500 NJ**										
Propylene Glycol	TIC		57-55-6	NE	NE												
Pyrene, hexadecahydro-	TIC		2435-85-0	NE	NE		**28000 NJ**										
Pyridine, 3,4-diphenyl-	TIC		4/6/5216	NE	NE												
Squalane	TIC		111-01-3	NE	NE												
Tetracosanol	TIC		506-51-4	NE	NE												
Tetraethylene Glycol	TIC		112-60-7	NE	NE												
Tetratetracontane	TIC		7098-22-8	NE	NE												
Titanium, .eta.8-cyclooctatetraene-.eta	TIC		55672-83-8	NE	NE												
Triacetin	TIC		102-76-1	NE	NE							**160 NJ**					
Trichloroethylene (TCE)	TIC		79-01-6	470	200000												
Tricosane	TIC		638-67-5	NE	NE												
Tridecane, 5-methyl-	TIC		25117-31-1	NE	NE												
Triethylene Glycol	TIC		112-27-6	NE	NE												
Triphenylphosphine Oxide	TIC		791-28-6	NE	NE												
Unknown With 10th Highest Conc.	TIC		UNKNOWN10	NE	NE						**7200 J**						
Unknown With 11th Highest Conc.	TIC		UNKNOWN11	NE	NE						**8000 J**						
Unknown With 12th Highest Conc.	TIC		UNKNOWN12	NE	NE						**9300 J**						
Unknown With 13th Highest Conc.	TIC		UNKNOWN13	NE	NE												
Unknown With 14th Highest Conc.	TIC		UNKNOWN14	NE	NE												
Unknown With 1st Highest Conc.	TIC		UNKNOWN1	NE	NE		**3500 J**		**1700 J**	**100 J**	**13000 J**	**100 J**			**150 J**		
Unknown With 2nd Highest Conc.	TIC		UNKNOWN2	NE	NE		**4300 J**		**2300 J**		**2700 J**	**140 J**				**250 J**	
Unknown With 3rd Highest Conc.	TIC		UNKNOWN3	NE	NE		**4600 J**		**2600 J**	**180 J**	**2900 J**	**160 J**					**81 J**
Unknown With 4th Highest Conc.	TIC		UNKNOWN4	NE	NE		**5800 J**		**2700 J**	**220 J**	**3000 J**					**340 J**	
Unknown With 5th Highest Conc.	TIC		UNKNOWN5	NE	NE		**6400 J**									**450 J**	
Unknown With 6th Highest Conc.	TIC		UNKNOWN6	NE	NE		**7400 J**		**39000 J**		**3700 J**	**87 J**					
Unknown With 7th Highest Conc.	TIC		UNKNOWN7	NE	NE				**4900 J**		**4400 J**						
Unknown With 8th Highest Conc.	TIC		UNKNOWN8	NE	NE				**6500 J**		**6100 J**						
Unknown With 9th Highest Conc.	TIC		UNKNOWN9	NE	NE						**7100 J**						
Vitamin E	TIC		59-02-9	NE	NE				**3400 NJ**		**3000 NJ**						

Table 5-3
Summary of Soil Semivolatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

Notes:

Analytes in blue are not detected in any sample
mg/kg = milligrams/kilogram or parts per million (ppm)
ug/kg = micrograms/kilogram or parts per billion (ppb)
mg/l - milligrams/liter or parts be million (ppm)
su = standard units

PCB = Polychlorinated Biphenyl
SVOC = Semi-Volatile Organic Compound
TCLP = Toxicity Characteristic Leaching Procedure
VOC = Volatile Organic Compound

Total VOCs and Total SVOCs are calculated using detects only.
6 NYCRR = New York State Register and Official Compilation of Codes, Rules and Regulations of the State of New York
Comparison of detected results are performed against one or more of the following NYCRR, Chapter IV, Part 375-6 Soil Cleanup Objectives (SCO)s: Unrestricted Use, Residential, Restricted-Residential, Commercial, Industrial, Protection of Ecological Resources, or Protection of Groundwater

CAS No. = Chemical Abstracts Service Number
ND = Not Detected
NE = Not Established
TIC = Tentatively Identified Compound

Bolding indicates a detected result concentration
Shading and bolding indicates that the detected concentration is above the NYSDEC guidance it was compared to
Gray shading and bolding indicates that the detected result value exceeds the Unrestricted SCO
Yellow shading and bolding indicates that the detected result value exceeds both Unrestricted SCO and the Commercial SCO

Data Qualifiers:
A = Indicates Tentatively Identified Compounds that are suspected to be Aldol Condensation Products.
B = Indicates the analyte is detected in the associated blank as well as in the sample
J- = The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
J = The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
NJ = The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as potential false positive and/or elevated quantitative value.
R = The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.
U = The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
UJ = The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
Y = Indicates a contaminant found in the blank at less than 10% of the concentration of a contaminant found in the sample.

Table 5-4
Summary of Soil Pesticide-Herbicide-Polychlorinated Biphenyl Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	DW-21A	DW-21A	DW-21A	IP-01	IP-01	IP-02	IP-02	IP-03	IP-03	IP-04	IP-04	IP-05
					Sample Name	DW-21A (12-14)	DW-21A (20-22)	DW-21A (28-30)	IP-1 (0-2)	IP-1 (2-4)	IP-2 (0-2)	IP-2 (6-8)	IP-3 (0-2)	IP-3 (4-8)	IP-4 (0-2)	IP-4 (6-8)	IP-5 (0-2)
					Sample Date	7/9/2015	7/9/2015	7/9/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015
					Parent Sample												
Analyte	**Units**	**CAS No.**	**Unrestricted SCO**	**Commercial SCO**													
SSO_PEST_PCB_HERB	ug/kg																
2,4-D (Dichlorophenoxyacetic Acid)		94-75-7	NE	NE		13 U	11 U	10 U	11 U	11 U	11 U	10 U	11 U	10 U	11 U	10 U	11 U
Acetic acid, (2,4,5-trichlorophenoxy)-		93-76-5	NE	NE		13 U	11 U	10 U	11 U	11 U	11 U	10 U	11 U	10 U	11 U	10 U	11 U
Aldrin		309-00-2	5	680		6.4 U	5.3 U	5.2 U	5.4 U	11 U	5.4 U	5.1 U	5.3 U	5.1 U	5.4 U	5.1 U	5.4 U
Alpha Bhc (Alpha Hexachlorocyclohexane)		319-84-6	20	3400		1.3 U	1.1 U	1 U	1.1 U	2.2 U	1.1 U	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U
Alpha Endosulfan		959-98-8	2400	200000		6.4 U	5.3 U	5.2 U	5.4 U	11 U	5.4 U	5.1 U	5.3 U	5.1 U	5.4 U	5.1 U	5.4 U
Beta Bhc (Beta Hexachlorocyclohexane)		319-85-7	36	3000		1.3 U	1.1 U	1 U	1.1 U	2.2 U	1.1 U	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U
Beta Endosulfan		33213-65-9	2400	200000		6.4 U	5.3 U	5.2 U	5.4 U	11 U	5.4 U	5.1 U	5.3 U	5.1 U	5.4 U	5.1 U	5.4 U
cis-Chlordane		5103-71-9	94	24000		6.4 U	5.3 U	5.2 U	5.4 U	11 U	5.4 U	5.1 U	5.3 U	5.1 U	5.4 U	5.1 U	5.4 U
Delta BHC (Delta Hexachlorocyclohexane)		319-86-8	40	500000		6.4 U	5.3 U	5.2 U	5.4 U	11 U	5.4 U	5.1 U	5.3 U	5.1 U	5.4 U	5.1 U	5.4 U
Dicamba		1918-00-9	NE	NE		13 U	11 U	10 U	11 U	11 U	11 U	10 U	11 U	10 U	11 U	10 U	11 U
Dieldrin		60-57-1	5	1400		1.3 U	1.1 U	1 U	1.1 U	2.2 U	1.1 U	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U
Endosulfan Sulfate		1031-07-8	2400	200000		6.4 U	5.3 U	5.2 U	5.4 U	11 U	5.4 U	5.1 U	5.3 U	5.1 U	5.4 U	5.1 U	5.4 U
Endrin		72-20-8	14	89000		6.4 U	5.3 U	5.2 U	5.4 U	11 U	5.4 U	5.1 U	5.3 U	5.1 U	5.4 U	5.1 U	5.4 U
Endrin Aldehyde		7421-93-4	NE	NE		6.4 U	5.3 U	5.2 U	5.4 U	11 U	5.4 U	5.1 U	5.3 U	5.1 U	5.4 U	5.1 U	5.4 U
Endrin Ketone		53494-70-5	NE	NE		6.4 U	5.3 U	5.2 U	5.4 U	11 U	5.4 U	5.1 U	5.3 U	5.1 U	5.4 U	5.1 U	5.4 U
Gamma Bhc (Lindane)		58-89-9	100	9200		1.3 U	1.1 U	1 U	1.1 U	2.2 U	1.1 U	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U
Heptachlor		76-44-8	42	15000		6.4 U	5.3 U	5.2 U	5.4 U	11 U	5.4 U	5.1 U	5.3 U	5.1 U	5.4 U	5.1 U	5.4 U
Heptachlor Epoxide		1024-57-3	NE	NE		6.4 U	5.3 U	5.2 U	5.4 U	11 U	5.4 U	5.1 U	5.3 U	5.1 U	5.4 U	5.1 U	5.4 U
Methoxychlor		72-43-5	NE	NE		6.4 U	5.3 U	5.2 U	5.4 U	11 U	5.4 U	5.1 U	5.3 U	5.1 U	5.4 U	5.1 U	5.4 U
P,P'-DDD		72-54-8	3.3	92000		3.2 U	2.7 U	2.6 U	2.7 U	**14 J**	2.7 U	2.6 U	2.7 U	2.6 U	**5**	2.5 U	2.7 U
P,P'-DDE		72-55-9	3.3	62000		3.2 U	2.7 U	2.6 U	**3.8**	5.4 U	2.7 U	2.6 U	2.7 U	2.6 U	2.7 U	2.5 U	2.7 U
P,P'-DDT		50-29-3	3.3	47000		3.2 U	2.7 U	2.6 U	**6.9**	**10 J**	2.7 U	2.6 U	2.7 U	2.6 U	**5.8**	2.5 U	2.7 U
PCB-1016 (Aroclor 1016)		12674-11-2	NE	NE		32 U	27 U	26 U	27 U	27 U	27 U	26 U	27 U	26 U	27 U	25 U	27 U
PCB-1221 (Aroclor 1221)		11104-28-2	NE	NE		32 U	27 U	26 U	27 U	27 U	27 U	26 U	27 U	26 U	27 U	25 U	27 U
PCB-1232 (Aroclor 1232)		11141-16-5	NE	NE		32 U	27 U	26 U	27 U	27 U	27 U	26 U	27 U	26 U	27 U	25 U	27 U
PCB-1242 (Aroclor 1242)		53469-21-9	NE	NE		32 U	27 U	26 U	27 U	27 U	27 U	26 U	27 U	26 U	27 U	25 U	27 U
PCB-1248 (Aroclor 1248)		12672-29-6	NE	NE		32 U	27 U	26 U	27 U	27 U	27 U	26 U	27 U	26 U	27 U	25 U	27 U
PCB-1254 (Aroclor 1254)		11097-69-1	NE	NE		32 U	27 U	26 U	27 U	27 U	27 U	26 U	27 U	26 U	27 U	25 U	27 U
PCB-1260 (Aroclor 1260)		11096-82-5	NE	NE		32 U	27 U	26 U	27 U	27 U	27 U	26 U	27 U	26 U	27 U	25 U	27 U
PCB-1262 (Aroclor 1262)		37324-23-5	NE	NE		32 U	27 U	26 U	27 U	27 U	27 U	26 U	27 U	26 U	27 U	25 U	27 U
PCB-1268 (Aroclor 1268)		11100-14-4	NE	NE		32 U	27 U	26 U	27 U	27 U	27 U	26 U	27 U	26 U	27 U	25 U	27 U
Polychlorinated Biphenyl (PCBs)		1336-36-3	100	1000		32 U	27 U	26 U	27 U	27 U	27 U	26 U	27 U	26 U	27 U	25 U	27 U
Silvex (2,4,5-TP)		93-72-1	3800	500000		13 U	11 U	10 U	11 U	11 U	11 U	10 U	11 U	10 U	11 U	10 U	11 U
Toxaphene		8001-35-2	NE	NE		32 U	27 U	26 U	27 U	54 U	27 U	26 U	27 U	26 U	27 U	25 U	27 U
trans-Chlordane		5103-74-2	NE	NE		6.4 U	5.3 U	5.2 U	5.4 U	11 U	5.4 U	5.1 U	5.3 U	5.1 U	5.4 U	5.1 U	5.4 U

Table 5-4
Summary of Soil Pesticide-Herbicide-Polychlorinated Biphenyl Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	IP-05	IP-06	IP-06	IP-06	IP-07	IP-07	IP-08	IP-08	IP-08	LP-03	LP-06
					Sample Name	IP-5 (4-8)	2015-07-15-DUP	IP-6 (0-2)	IP-6 (4-6)	IP-7 (0-2)	IP-7 (6-8)	2015_07_07 DUP	IP-8 (0-2)	IP-8 (3-4)	LP-3 (5'-7')	LP-6 (5'-10')
					Sample Date	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/7/2015	7/7/2015	7/7/2015	6/24/2015	6/23/2015
					Parent Sample		IP-6 (0-2)-5071603					IP-8 (0-2)-5070806				
Analyte	Units	CAS No.	Unrestricted SCO	Commercial SCO												
SSO_PEST_PCB_HERB	ug/kg															
2,4-D (Dichlorophenoxyacetic Acid)		94-75-7	NE	NE		10 U	11 U	11 U	11 U	10 U	10 U	11 U	11 U	12 U	12 U	11 U
Acetic acid, (2,4,5-trichlorophenoxy)-		93-76-5	NE	NE		10 U	11 U	11 U	11 U	10 U	10 U	11 U	11 U	12 U	12 U	11 U
Aldrin		309-00-2	5	680		5.2 U	5.3 U	5.3 U	5.3 U	5.2 U	5.1 U	5.6 U	5.6 U	6.2 U	6 U	5.4 U
Alpha Bhc (Alpha Hexachlorocyclohexane)		319-84-6	20	3400		1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U
Alpha Endosulfan		959-98-8	2400	200000		5.2 U	5.3 U	5.3 U	5.3 U	5.2 U	5.1 U	5.6 U	5.6 U	6.2 U	6 U	5.4 U
Beta Bhc (Beta Hexachlorocyclohexane)		319-85-7	36	3000		1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U
Beta Endosulfan		33213-65-9	2400	200000		5.2 U	5.3 U	5.3 U	5.3 U	5.2 U	5.1 U	5.6 U	5.6 U	6.2 U	6 U	5.4 U
cis-Chlordane		5103-71-9	94	24000		5.2 U	5.3 U	5.3 U	5.3 U	5.2 U	5.1 U	5.6 U	5.6 U	6.2 U	6 U	**16**
Delta BHC (Delta Hexachlorocyclohexane)		319-86-8	40	500000		5.2 U	5.3 U	5.3 U	5.3 U	5.2 U	5.1 U	5.6 U	5.6 U	6.2 U	6 U	5.4 U
Dicamba		1918-00-9	NE	NE		10 U	11 U	11 U	11 U	10 U	10 U	11 U	11 U	12 U	12 U	11 U
Dieldrin		60-57-1	5	1400		1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U
Endosulfan Sulfate		1031-07-8	2400	200000		5.2 U	5.3 U	5.3 U	5.3 U	5.2 U	5.1 U	5.6 U	5.6 U	6.2 U	6 U	5.4 U
Endrin		72-20-8	14	89000		5.2 U	5.3 U	5.3 U	5.3 U	5.2 U	5.1 U	5.6 U	5.6 U	6.2 U	6 U	5.4 U
Endrin Aldehyde		7421-93-4	NE	NE		5.2 U	5.3 U	5.3 U	5.3 U	5.2 U	5.1 U	5.6 U	5.6 U	6.2 U	6 U	5.4 U
Endrin Ketone		53494-70-5	NE	NE		5.2 U	5.3 U	5.3 U	5.3 U	5.2 U	5.1 U	5.6 U	5.6 U	6.2 U	6 U	5.4 U
Gamma Bhc (Lindane)		58-89-9	100	9200		1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U
Heptachlor		76-44-8	42	15000		5.2 U	5.3 U	5.3 U	5.3 U	5.2 U	5.1 U	5.6 U	5.6 U	6.2 U	6 U	5.4 U
Heptachlor Epoxide		1024-57-3	NE	NE		5.2 U	5.3 U	5.3 U	5.3 U	5.2 U	5.1 U	5.6 U	5.6 U	6.2 U	6 U	5.4 U
Methoxychlor		72-43-5	NE	NE		5.2 U	5.3 U	5.3 U	5.3 U	5.2 U	5.1 U	5.6 U	5.6 U	6.2 U	6 U	5.4 U
P,P'-DDD		72-54-8	3.3	92000		2.6 U	**6**	**4.3 NJ**	2.6 U	2.6 U	2.5 U	2.8 U	2.8 U	3.1 U	3 U	3.8 U
P,P'-DDE		72-55-9	3.3	62000		2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.5 U	2.8 U	2.8 U	**5.8 J**	3 U	**26**
P,P'-DDT		50-29-3	3.3	47000		**9.4**	2.6 U	2.7 U	2.6 U	2.6 U	2.5 U	2.8 U	2.8 U	**15 NJ**	3 U	**54**
PCB-1016 (Aroclor 1016)		12674-11-2	NE	NE		26 U	26 U	27 U	26 U	26 U	25 U	28 U	28 U	31 U	30 U	27 U
PCB-1221 (Aroclor 1221)		11104-28-2	NE	NE		26 U	26 U	27 U	26 U	26 U	25 U	28 U	28 U	31 U	30 U	27 U
PCB-1232 (Aroclor 1232)		11141-16-5	NE	NE		26 U	26 U	27 U	26 U	26 U	25 U	28 U	28 U	31 U	30 U	27 U
PCB-1242 (Aroclor 1242)		53469-21-9	NE	NE		26 U	26 U	27 U	26 U	26 U	25 U	28 U	28 U	31 U	30 U	27 U
PCB-1248 (Aroclor 1248)		12672-29-6	NE	NE		26 U	26 U	27 U	26 U	26 U	25 U	28 U	28 U	31 U	30 U	27 U
PCB-1254 (Aroclor 1254)		11097-69-1	NE	NE		26 U	26 U	27 U	26 U	26 U	25 U	28 U	28 U	31 U	30 U	27 U
PCB-1260 (Aroclor 1260)		11096-82-5	NE	NE		**90**	26 U	27 U	26 U	26 U	25 U	28 U	28 U	31 U	30 U	**55**
PCB-1262 (Aroclor 1262)		37324-23-5	NE	NE		26 U	26 U	27 U	26 U	26 U	25 U	28 U	28 U	31 U	30 U	27 U
PCB-1268 (Aroclor 1268)		11100-14-4	NE	NE		26 U	26 U	27 U	26 U	26 U	25 U	28 U	28 U	31 U	30 U	27 U
Polychlorinated Biphenyl (PCBs)		1336-36-3	100	1000		**90**	26 U	27 U	26 U	26 U	25 U	28 U	28 U	31 U	30 U	**55**
Silvex (2,4,5-TP)		93-72-1	3800	500000		10 U	11 U	11 U	11 U	10 U	10 U	11 U	11 U	12 U	12 U	11 U
Toxaphene		8001-35-2	NE	NE		26 U	26 U	27 U	26 U	26 U	25 U	28 U	28 U	31 U	30 U	27 U
trans-Chlordane		5103-74-2	NE	NE		5.2 U	5.3 U	5.3 U	5.3 U	5.2 U	5.1 U	5.6 U	5.6 U	6.2 U	6 U	**9.2**

Table 5-4
Summary of Soil Pesticide-Herbicide-Polychlorinated Biphenyl Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

				Location Name	LP-08	LP-11	LP-17	LP-18	LP-25	MW-01	MW-01S	MW-01S	MW-01S
				Sample Name	LP-8 (5'-10')	LP-11 (5-10)	LP-17 (5-10)	LP-18 (5-10)	LP-25 (5-10)	2015-07-03 DUP	MW-1 (0-2)	MW-1 (10-15)	MW-1 (28-30)
				Sample Date	6/22/2015	6/29/2015	7/8/2015	7/8/2015	6/30/2015	7/13/2015	7/13/2015	7/13/2015	7/13/2015
				Parent Sample						MW-1 (28-30)-5071405			
Analyte	**Units**	**CAS No.**	**Unrestricted SCO**	**Commercial SCO**									
SSO_PEST_PCB_HERB	ug/kg												
2,4-D (Dichlorophenoxyacetic Acid)		94-75-7	NE	NE	11 U	12 U	10 U	10 U	12 U	10 U	11 U	10 U	10 U
Acetic acid, (2,4,5-trichlorophenoxy)-		93-76-5	NE	NE	11 U	12 U	10 U	10 U	12 U	10 U	11 U	10 U	10 U
Aldrin		309-00-2	5	680	5.3 U	5.9 U	5.1 U	5.1 U	6 U	5.2 U	5.4 U	5.2 U	5.2 U
Alpha Bhc (Alpha Hexachlorocyclohexane)		319-84-6	20	3400	1.1 U	1.2 U	1 U	1 U	1.2 U	1 U	1.1 U	1 U	1 U
Alpha Endosulfan		959-98-8	2400	200000	5.3 U	5.9 U	5.1 U	5.1 U	6 U	5.2 U	5.4 U	5.2 U	5.2 U
Beta Bhc (Beta Hexachlorocyclohexane)		319-85-7	36	3000	1.1 U	1.2 U	1 U	1 U	1.2 U	1 U	1.1 U	1 U	1 U
Beta Endosulfan		33213-65-9	2400	200000	5.3 U	5.9 U	5.1 U	5.1 U	6 U	5.2 U	5.4 U	5.2 U	5.2 U
cis-Chlordane		5103-71-9	94	24000	5.3 U	5.9 U	5.1 U	5.1 U	6 U	5.2 U	5.4 U	5.2 U	5.2 U
Delta BHC (Delta Hexachlorocyclohexane)		319-86-8	40	500000	5.3 U	5.9 U	5.1 U	5.1 U	6 U	5.2 U	5.4 U	5.2 U	5.2 U
Dicamba		1918-00-9	NE	NE	11 U	12 U	10 U	10 U	12 U	10 U	11 U	10 U	10 U
Dieldrin		60-57-1	5	1400	1.1 U	1.2 U	1 U	1 U	1.2 U	1 U	1.1 U	1 U	1 U
Endosulfan Sulfate		1031-07-8	2400	200000	5.3 U	5.9 U	5.1 U	5.1 U	6 U	5.2 U	5.4 U	5.2 U	5.2 U
Endrin		72-20-8	14	89000	5.3 U	5.9 U	5.1 U	5.1 U	6 U	5.2 U	5.4 U	5.2 U	5.2 U
Endrin Aldehyde		7421-93-4	NE	NE	5.3 U	5.9 U	5.1 U	5.1 U	6 U	5.2 U	5.4 U	5.2 U	5.2 U
Endrin Ketone		53494-70-5	NE	NE	5.3 U	5.9 U	5.1 U	5.1 U	6 U	5.2 U	5.4 U	5.2 U	5.2 U
Gamma Bhc (Lindane)		58-89-9	100	9200	1.1 U	1.2 U	1 U	1 U	1.2 U	1 U	1.1 U	1 U	1 U
Heptachlor		76-44-8	42	15000	5.3 U	5.9 U	5.1 U	5.1 U	6 U	5.2 U	5.4 U	5.2 U	5.2 U
Heptachlor Epoxide		1024-57-3	NE	NE	5.3 U	5.9 U	5.1 U	5.1 U	6 U	5.2 U	5.4 U	5.2 U	5.2 U
Methoxychlor		72-43-5	NE	NE	5.3 U	5.9 U	5.1 U	5.1 U	6 U	5.2 U	5.4 U	5.2 U	5.2 U
P,P'-DDD		72-54-8	3.3	92000	2.6 U	2.9 U	2.6 U	2.5 U	3 U	2.6 U	2.7 U	2.6 U	2.6 U
P,P'-DDE		72-55-9	3.3	62000	2.6 U	2.9 U	2.6 U	2.5 U	3 U	2.6 U	**4.8**	2.6 U	2.6 U
P,P'-DDT		50-29-3	3.3	47000	2.6 U	2.9 U	2.6 U	2.5 U	3 U	2.6 U	2.7 U	2.6 U	2.6 U
PCB-1016 (Aroclor 1016)		12674-11-2	NE	NE	26 U	29 U	26 U	25 U	30 U	26 U	27 U	26 U	26 U
PCB-1221 (Aroclor 1221)		11104-28-2	NE	NE	26 U	29 U	26 U	25 U	30 U	26 U	27 U	26 U	26 U
PCB-1232 (Aroclor 1232)		11141-16-5	NE	NE	26 U	29 U	26 U	25 U	30 U	26 U	27 U	26 U	26 U
PCB-1242 (Aroclor 1242)		53469-21-9	NE	NE	26 U	29 U	26 U	25 U	30 U	26 U	27 U	26 U	26 U
PCB-1248 (Aroclor 1248)		12672-29-6	NE	NE	26 U	29 U	26 U	25 U	30 U	26 U	27 U	26 U	26 U
PCB-1254 (Aroclor 1254)		11097-69-1	NE	NE	26 U	29 U	26 U	25 U	30 U	26 U	27 U	26 U	26 U
PCB-1260 (Aroclor 1260)		11096-82-5	NE	NE	26 U	29 U	26 U	25 U	30 U	26 U	27 U	26 U	26 U
PCB-1262 (Aroclor 1262)		37324-23-5	NE	NE	26 U	29 U	26 U	25 U	30 U	26 U	27 U	26 U	26 U
PCB-1268 (Aroclor 1268)		11100-14-4	NE	NE	26 U	29 U	26 U	25 U	**53**	26 U	27 U	26 U	26 U
Polychlorinated Biphenyl (PCBs)		1336-36-3	100	1000	26 U	29 U	26 U	25 U	**53**	26 U	27 U	26 U	26 U
Silvex (2,4,5-TP)		93-72-1	3800	500000	11 U	12 U	10 U	10 U	12 U	10 U	11 U	10 U	10 U
Toxaphene		8001-35-2	NE	NE	26 U	29 U	26 U	25 U	30 U	26 U	27 U	26 U	26 U
trans-Chlordane		5103-74-2	NE	NE	5.3 U	5.9 U	5.1 U	5.1 U	6 U	5.2 U	5.4 U	5.2 U	5.2 U

Table 5-4
Summary of Soil Pesticide-Herbicide-Polychlorinated Biphenyl Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	MW-02	MW-02	MW-02	MW-03	MW-03	MW-04	MW-04	MW-05	MW-05S	MW-05S
					Sample Name	MW-2 (0-2)	MW-2 (28-30)	MW-2 (5-10)	MW-3 (0-2)	MW-3 (28-30)	MW-4 (0-2)	MW-4 (28-30)	2015_07-14 DUP	MW-5 (0-2)	MW-5 (28-30)
					Sample Date	7/14/2015	7/14/2015	7/14/2015	7/13/2015	7/13/2015	7/13/2015	7/13/2015	7/14/2015	7/14/2015	7/14/2015
					Parent Sample								MW-5 (0-2)-5071505		
Analyte	Units	CAS No.	Unrestricted SCO	Commercial SCO											
SSO_PEST_PCB_HERB	ug/kg														
2,4-D (Dichlorophenoxyacetic Acid)		94-75-7	NE	NE	11 U	11 U	10 U	11 U	11 U	11 U	10 U	11 U	11 U	11 U
Acetic acid, (2,4,5-trichlorophenoxy)-		93-76-5	NE	NE	11 U	11 U	10 U	11 U	11 U	11 U	10 U	11 U	11 U	11 U
Aldrin		309-00-2	5	680	5.3 U	5.3 U	5.2 U	5.4 U	5.3 U	5.6 U	5.2 U	5.4 U	5.4 U	5.6 U
Alpha Bhc (Alpha Hexachlorocyclohexane)		319-84-6	20	3400	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U
Alpha Endosulfan		959-98-8	2400	200000	5.3 U	5.3 U	5.2 U	5.4 U	5.3 U	5.6 U	5.2 U	5.4 U	5.4 U	5.6 U
Beta Bhc (Beta Hexachlorocyclohexane)		319-85-7	36	3000	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U
Beta Endosulfan		33213-65-9	2400	200000	5.3 U	5.3 U	5.2 U	5.4 U	5.3 U	5.6 U	5.2 U	5.4 U	5.4 U	5.6 U
cis-Chlordane		5103-71-9	94	24000	5.3 U	5.3 U	5.2 U	**30 J**	5.3 U	5.6 U	5.2 U	5.4 U	**6.2**	5.6 U
Delta BHC (Delta Hexachlorocyclohexane)		319-86-8	40	500000	5.3 U	5.3 U	5.2 U	5.4 U	5.3 U	5.6 U	5.2 U	5.4 U	5.4 U	5.6 U
Dicamba		1918-00-9	NE	NE	11 U	11 U	10 U	11 U	11 U	11 U	10 U	11 U	11 U	11 U
Dieldrin		60-57-1	5	1400	1.1 U	1.1 U	1 U	**2.6 J**	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U
Endosulfan Sulfate		1031-07-8	2400	200000	5.3 U	5.3 U	5.2 U	5.4 U	5.3 U	5.6 U	5.2 U	5.4 U	5.4 U	5.6 U
Endrin		72-20-8	14	89000	5.3 U	5.3 U	5.2 U	5.4 U	5.3 U	5.6 U	5.2 U	5.4 U	5.4 U	5.6 U
Endrin Aldehyde		7421-93-4	NE	NE	5.3 U	5.3 U	5.2 U	5.4 U	5.3 U	5.6 U	5.2 U	5.4 U	5.4 U	5.6 U
Endrin Ketone		53494-70-5	NE	NE	5.3 U	5.3 U	5.2 U	5.4 U	5.3 U	5.6 U	5.2 U	5.4 U	5.4 U	5.6 U
Gamma Bhc (Lindane)		58-89-9	100	9200	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U
Heptachlor		76-44-8	42	15000	5.3 U	5.3 U	5.2 U	5.4 U	5.3 U	5.6 U	5.2 U	5.4 U	5.4 U	5.6 U
Heptachlor Epoxide		1024-57-3	NE	NE	5.3 U	5.3 U	5.2 U	5.4 U	5.3 U	5.6 U	5.2 U	5.4 U	5.4 U	5.6 U
Methoxychlor		72-43-5	NE	NE	5.3 U	5.3 U	5.2 U	5.4 U	5.3 U	5.6 U	5.2 U	5.4 U	5.4 U	5.6 U
P,P'-DDD		72-54-8	3.3	92000	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.8 U	2.6 U	2.7 U	2.7 U	2.8 U
P,P'-DDE		72-55-9	3.3	62000	2.6 U	2.6 U	2.6 U	**5**	2.6 U	**3.5**	2.6 U	**25**	**30**	2.8 U
P,P'-DDT		50-29-3	3.3	47000	2.6 U	2.6 U	2.6 U	5.6 U	2.6 U	2.8 U	2.6 U	14 U	15 U	2.8 U
PCB-1016 (Aroclor 1016)		12674-11-2	NE	NE	26 U	26 U	26 U	27 U	26 U	28 U	26 U	27 U	27 U	28 U
PCB-1221 (Aroclor 1221)		11104-28-2	NE	NE	26 U	26 U	26 U	27 U	26 U	28 U	26 U	27 U	27 U	28 U
PCB-1232 (Aroclor 1232)		11141-16-5	NE	NE	26 U	26 U	26 U	27 U	26 U	28 U	26 U	27 U	27 U	28 U
PCB-1242 (Aroclor 1242)		53469-21-9	NE	NE	26 U	26 U	26 U	27 U	26 U	28 U	26 U	27 U	27 U	28 U
PCB-1248 (Aroclor 1248)		12672-29-6	NE	NE	26 U	26 U	26 U	27 U	26 U	28 U	26 U	27 U	27 U	28 U
PCB-1254 (Aroclor 1254)		11097-69-1	NE	NE	26 U	26 U	26 U	**97**	26 U	28 U	26 U	**230**	**290**	28 U
PCB-1260 (Aroclor 1260)		11096-82-5	NE	NE	26 U	26 U	26 U	27 U	26 U	28 U	26 U	27 U	27 U	28 U
PCB-1262 (Aroclor 1262)		37324-23-5	NE	NE	26 U	26 U	26 U	27 U	26 U	28 U	26 U	27 U	27 U	28 U
PCB-1268 (Aroclor 1268)		11100-14-4	NE	NE	26 U	26 U	26 U	27 U	26 U	28 U	26 U	27 U	27 U	28 U
Polychlorinated Biphenyl (PCBs)		1336-36-3	100	1000	26 U	26 U	26 U	**97**	26 U	28 U	26 U	**230**	**290**	28 U
Silvex (2,4,5-TP)		93-72-1	3800	500000	11 U	11 U	10 U	11 U	11 U	11 U	10 U	11 U	11 U	11 U
Toxaphene		8001-35-2	NE	NE	26 U	26 U	26 U	27 U	26 U	28 U	26 U	27 U	27 U	28 U
trans-Chlordane		5103-74-2	NE	NE	5.3 U	5.3 U	5.2 U	**21**	5.3 U	5.6 U	5.2 U	5.4 U	5.4 U	5.6 U

Table 5-4
Summary of Soil Pesticide-Herbicide-Polychlorinated Biphenyl Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	SB-02	SB-02	SB-02	SB-02	SB-04	SB-04	SB-04	SW-05	SW-05	SW-05
					Sample Name	SB-2 (13'-15')	SB-2 (15'-17')	SB-2 (28'-30')	SB-2 (5'-10')	SB-4 (0-2)	SB-4 (28-30)	SB-4 (5-10)	SW-5 (19-21)	SW-5 (21-25)	SW-5 (28-30)
					Sample Date	6/25/2015	6/25/2015	6/26/2015	6/25/2015	7/7/2015	7/7/2015	7/7/2015	7/9/2015	7/9/2015	7/9/2015
					Parent Sample										
Analyte	**Units**	**CAS No.**	**Unrestricted SCO**	**Commercial SCO**											
SSO_PEST_PCB_HERB	ug/kg														
2,4-D (Dichlorophenoxyacetic Acid)		94-75-7	NE	NE		10 U	10 U	11 U	11 U	10 U	10 U	10 U	75 U	11 U	11 U
Acetic acid, (2,4,5-trichlorophenoxy)-		93-76-5	NE	NE		10 U	10 U	11 U	11 U	10 U	10 U	10 U	75 U	11 U	11 U
Aldrin		309-00-2	5	680		5.1 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.1 U	15 U	5.6 U	5.4 U
Alpha Bhc (Alpha Hexachlorocyclohexane)		319-84-6	20	3400		1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	3 U	1.1 U	1.1 U
Alpha Endosulfan		959-98-8	2400	200000		5.1 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.1 U	15 U	5.6 U	5.4 U
Beta Bhc (Beta Hexachlorocyclohexane)		319-85-7	36	3000		1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	3 U	1.1 U	1.1 U
Beta Endosulfan		33213-65-9	2400	200000		5.1 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.1 U	15 U	5.6 U	5.4 U
cis-Chlordane		5103-71-9	94	24000		5.1 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.1 U	15 U	5.6 U	5.4 U
Delta BHC (Delta Hexachlorocyclohexane)		319-86-8	40	500000		5.1 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.1 U	15 U	5.6 U	5.4 U
Dicamba		1918-00-9	NE	NE		10 U	10 U	11 U	11 U	10 U	10 U	10 U	75 U	11 U	11 U
Dieldrin		60-57-1	5	1400		1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	3 U	1.1 U	1.1 U
Endosulfan Sulfate		1031-07-8	2400	200000		5.1 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.1 U	15 U	5.6 U	5.4 U
Endrin		72-20-8	14	89000		5.1 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.1 U	15 U	5.6 U	5.4 U
Endrin Aldehyde		7421-93-4	NE	NE		5.1 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.1 U	15 U	5.6 U	5.4 U
Endrin Ketone		53494-70-5	NE	NE		5.1 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.1 U	15 U	5.6 U	5.4 U
Gamma Bhc (Lindane)		58-89-9	100	9200		1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	3 U	1.1 U	1.1 U
Heptachlor		76-44-8	42	15000		5.1 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.1 U	15 U	5.6 U	5.4 U
Heptachlor Epoxide		1024-57-3	NE	NE		5.1 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.1 U	15 U	5.6 U	5.4 U
Methoxychlor		72-43-5	NE	NE		5.1 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.1 U	15 U	5.6 U	5.4 U
P,P'-DDD		72-54-8	3.3	92000		2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.5 U	7.5 U	2.8 U	2.7 U
P,P'-DDE		72-55-9	3.3	62000		2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.5 U	7.5 U	2.8 U	2.7 U
P,P'-DDT		50-29-3	3.3	47000		2.6 U	2.6 U	2.6 U	2.6 U	**4.5**	2.6 U	2.5 U	7.5 U	2.8 U	2.7 U
PCB-1016 (Aroclor 1016)		12674-11-2	NE	NE		26 U	26 U	26 U	26 U	26 U	26 U	25 U	37 U	28 U	27 U
PCB-1221 (Aroclor 1221)		11104-28-2	NE	NE		26 U	26 U	26 U	26 U	26 U	26 U	25 U	37 U	28 U	27 U
PCB-1232 (Aroclor 1232)		11141-16-5	NE	NE		26 U	26 U	26 U	26 U	26 U	26 U	25 U	37 U	28 U	27 U
PCB-1242 (Aroclor 1242)		53469-21-9	NE	NE		26 U	26 U	26 U	26 U	26 U	26 U	25 U	37 U	28 U	27 U
PCB-1248 (Aroclor 1248)		12672-29-6	NE	NE		26 U	26 U	26 U	26 U	26 U	26 U	25 U	37 U	28 U	27 U
PCB-1254 (Aroclor 1254)		11097-69-1	NE	NE		26 U	26 U	26 U	26 U	26 U	26 U	25 U	37 U	28 U	27 U
PCB-1260 (Aroclor 1260)		11096-82-5	NE	NE		26 U	26 U	26 U	26 U	26 U	26 U	25 U	37 U	28 U	27 U
PCB-1262 (Aroclor 1262)		37324-23-5	NE	NE		26 U	26 U	26 U	26 U	26 U	26 U	25 U	37 U	28 U	27 U
PCB-1268 (Aroclor 1268)		11100-14-4	NE	NE		26 U	26 U	26 U	26 U	26 U	26 U	25 U	37 U	28 U	27 U
Polychlorinated Biphenyl (PCBs)		1336-36-3	100	1000		26 U	26 U	26 U	26 U	26 U	26 U	25 U	37 U	28 U	27 U
Silvex (2,4,5-TP)		93-72-1	3800	500000		10 U	10 U	11 U	11 U	10 U	10 U	10 U	75 U	11 U	11 U
Toxaphene		8001-35-2	NE	NE		26 U	26 U	26 U	26 U	26 U	26 U	25 U	75 U	28 U	27 U
trans-Chlordane		5103-74-2	NE	NE		5.1 U	5.1 U	5.3 U	5.3 U	5.2 U	5.1 U	5.1 U	15 U	5.6 U	5.4 U

Table 5-4
Summary of Soil Pesticide-Herbicide-Polychlorinated Biphenyl Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

				Location Name	**SW-05**
				Sample Name	**SW-5 (38-40)**
				Sample Date	**7/9/2015**
				Parent Sample	
Analyte	**Units**	**CAS No.**	**Unrestricted SCO**	**Commercial SCO**	
SSO_PEST_PCB_HERB	ug/kg				
2,4-D (Dichlorophenoxyacetic Acid)		94-75-7	NE	NE	11 U
Acetic acid, (2,4,5-trichlorophenoxy)-		93-76-5	NE	NE	11 U
Aldrin		309-00-2	5	680	5.6 U
Alpha Bhc (Alpha Hexachlorocyclohexane)		319-84-6	20	3400	1.1 U
Alpha Endosulfan		959-98-8	2400	200000	5.6 U
Beta Bhc (Beta Hexachlorocyclohexane)		319-85-7	36	3000	1.1 U
Beta Endosulfan		33213-65-9	2400	200000	5.6 U
cis-Chlordane		5103-71-9	94	24000	5.6 U
Delta BHC (Delta Hexachlorocyclohexane)		319-86-8	40	500000	5.6 U
Dicamba		1918-00-9	NE	NE	11 U
Dieldrin		60-57-1	5	1400	1.1 U
Endosulfan Sulfate		1031-07-8	2400	200000	5.6 U
Endrin		72-20-8	14	89000	5.6 U
Endrin Aldehyde		7421-93-4	NE	NE	5.6 U
Endrin Ketone		53494-70-5	NE	NE	5.6 U
Gamma Bhc (Lindane)		58-89-9	100	9200	1.1 U
Heptachlor		76-44-8	42	15000	5.6 U
Heptachlor Epoxide		1024-57-3	NE	NE	5.6 U
Methoxychlor		72-43-5	NE	NE	5.6 U
P,P'-DDD		72-54-8	3.3	92000	2.8 U
P,P'-DDE		72-55-9	3.3	62000	2.8 U
P,P'-DDT		50-29-3	3.3	47000	2.8 U
PCB-1016 (Aroclor 1016)		12674-11-2	NE	NE	28 U
PCB-1221 (Aroclor 1221)		11104-28-2	NE	NE	28 U
PCB-1232 (Aroclor 1232)		11141-16-5	NE	NE	28 U
PCB-1242 (Aroclor 1242)		53469-21-9	NE	NE	28 U
PCB-1248 (Aroclor 1248)		12672-29-6	NE	NE	28 U
PCB-1254 (Aroclor 1254)		11097-69-1	NE	NE	28 U
PCB-1260 (Aroclor 1260)		11096-82-5	NE	NE	28 U
PCB-1262 (Aroclor 1262)		37324-23-5	NE	NE	28 U
PCB-1268 (Aroclor 1268)		11100-14-4	NE	NE	28 U
Polychlorinated Biphenyl (PCBs)		1336-36-3	100	1000	28 U
Silvex (2,4,5-TP)		93-72-1	3800	500000	11 U
Toxaphene		8001-35-2	NE	NE	28 U
trans-Chlordane		5103-74-2	NE	NE	5.6 U

Table 5-4
Summary of Soil Pesticide-Herbicide-Polychlorinated Biphenyl Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

Notes:

Analytes in blue are not detected in any sample
mg/kg = milligrams/kilogram or parts per million (ppm)
ug/kg = micrograms/kilogram or parts per billion (ppb)
mg/l - milligrams/liter or parts be million (ppm)
su = standard units

PCB = Polychlorinated Biphenyl
SVOC = Semi-Volatile Organic Compound
TCLP = Toxicity Characteristic Leaching Procedure
VOC = Volatile Organic Compound

Total VOCs and Total SVOCs are calculated using detects only.
6 NYCRR = New York State Register and Official Compilation of Codes, Rules and Regulations of the State of New York
Comparison of detected results are performed against one or more of the following NYCRR, Chapter IV, Part 375-6 Soil Cleanup Objectives (SCO)s: Unrestricted Use, Residential, Restricted-Residential, Commercial, Industrial, Protection of Ecological Resources, or Protection of Groundwater

CAS No. = Chemical Abstracts Service Number
ND = Not Detected
NE = Not Established
TIC = Tentatively Identified Compound

Bolding indicates a detected result concentration
Shading and bolding indicates that the detected concentration is above the NYSDEC guidance it was compared to
Gray shading and bolding indicates that the detected result value exceeds the Unrestricted SCO
Yellow shading and bolding indicates that the detected result value exceeds both Unrestricted SCO and the Commercial SCO

Data Qualifiers:
A = Indicates Tentatively Identified Compounds that are suspected to be Aldol Condensation Products.
B = Indicates the analyte is detected in the associated blank as well as in the sample
J- = The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
J = The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
NJ = The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as potential false positive and/or elevated quantitative value.
R = The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.
U = The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
UJ = The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
Y = Indicates a contaminant found in the blank at less than 10% of the concentration of a contaminant found in the sample.

Table 5-5
Summary of Soil Metal-Cyanide Anlytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

				Location Name	DW-21A	DW-21A	DW-21A	IP-01	IP-01	IP-02	IP-02	IP-03	IP-03	IP-04	IP-04	IP-05	IP-05
				Sample Name	DW-21A (12-14)	DW-21A (20-22)	DW-21A (28-30)	IP-1 (0-2)	IP-1 (2-4)	IP-2 (0-2)	IP-2 (6-8)	IP-3 (0-2)	IP-3 (4-8)	IP-4 (0-2)	IP-4 (6-8)	IP-5 (0-2)	IP-5 (4-8)
				Sample Date	7/9/2015	7/9/2015	7/9/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015
				Parent Sample													
Analyte	**Units**	**CAS No.**	**Unrestricted SCO**	**Commercial SCO**													
SSO_METALS	mg/kg																
Aluminum		7429-90-5	NE	NE	**3100**	**830**	**880**	**8100**	**6900**	**13000**	**1000**	**6000**	**2000**	**5400**	**2500**	**1700**	**510**
Antimony		7440-36-0	NE	NE	1 U	0.85 U	0.83 U	0.86 UJ	0.86 UJ	0.87 UJ	0.82 UJ	0.85 UJ	0.82 UJ	0.86 UJ	0.81 UJ	**6.3**	0.82 UJ
Arsenic		7440-38-2	13	16	**6.3**	**0.49**	**0.62**	**2.9**	**1.8**	**3**	**0.55**	**2.4**	**1.5**	**2**	**0.93**	**2.3**	**1.5**
Barium		7440-39-3	350	400	**19**	11 U	10 U	**18**	**13**	**33**	10 U	**18**	10 U	**14**	10 U	**44**	**12**
Beryllium		7440-41-7	7.2	590	0.26 U	0.21 U	0.21 U	0.22 U	0.22 U	**0.23**	0.2 U	0.21 U	0.2 U	0.22 U	0.2 U	0.22 U	0.21 U
Cadmium		7440-43-9	2.5	9.3	**1.1**	0.43 U	0.42 U	0.43 U	0.43 U	0.43 U	0.41 U	0.43 U	0.41 U	0.43 U	0.4 U	0.43 U	0.41 U
Calcium		7440-70-2	NE	NE	**1400**	1100 U	1000 U	**5100**	**1300**	**3200**	1000 U	**6800**	**6300**	**4400**	1000 U	**14000**	**6000**
Chromium, Hexavalent		18540-29-9	1	400	1.3 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U	1 U
Chromium, Total		7440-47-3	NE	NE	**9.4**	**6.9**	**5.3**	**9**	**7.3**	**19**	5.1 U	**8.5**	**5.5**	**6.7**	5.1 U	5.4 U	5.2 U
Cobalt		7440-48-4	NE	NE	3.2 U	2.7 U	2.6 U	2.7 U	2.7 U	**4**	2.6 U	2.7 U	2.6 U	2.7 U	2.5 U	2.7 U	2.6 U
Copper		7440-50-8	50	270	**240**	**18**	**11**	**130**	5.4 U	**93**	**30**	**33**	**21**	**8.5**	5.1 U	**1300**	**83**
Cyanide		57-12-5	27	27	0.31 U	0.26 U	0.25 U	0.26 U	0.26 U	0.26 U	0.24 U	0.26 U	0.24 U	0.26 U	0.24 U	0.26 U	0.25 U
Iron		7439-89-6	NE	NE	**9000**	**13000**	**2100**	**8900**	**7500**	**16000**	**2500**	**8600**	**4400**	**7300**	**2400**	**2400**	**1200**
Lead		7439-92-1	63	1000	**53**	**5.7**	5.2 U	**22**	**27**	**55**	5.1 U	**32**	**26**	**14**	5.1 U	**3700**	**210**
Magnesium		7439-95-4	NE	NE	**930**	530 U	520 U	**1700**	**780**	**1700**	510 U	**1500**	**730**	**1000**	510 U	540 U	520 U
Manganese		7439-96-5	1600	10000	**78**	11 U	**11**	**75**	**56**	**130**	**23**	**110**	**43**	**85**	**120**	**24**	**17**
Mercury		7439-97-6	0.18	2.8	0.11 U	0.089 U	0.087 U	0.09 U	0.09 U	**0.12**	0.085 U	0.089 U	0.085 U	0.09 U	0.084 U	**0.45**	**0.12**
Nickel		7440-02-0	30	310	6.4 U	5.3 U	5.2 U	**28**	**8.4**	**15**	**5.8**	**5.6**	5.1 U	5.4 U	5.1 U	**16**	5.2 U
Potassium		7440-09-7	NE	NE	640 U	530 U	520 U	540 U	540 U	540 U	510 U	530 U	510 U	540 U	510 U	540 U	520 U
Selenium		7782-49-2	3.9	1500	2.6 U	2.1 U	2.1 U	2.2 U	2.2 U	2.2 U	2 U	2.1 U	2 U	2.2 U	2 U	2.2 U	2.1 U
Silver		7440-22-4	2	1500	0.26 U	0.21 U	0.21 U	0.22 U	0.22 U	**0.41**	0.2 U	0.21 U	0.2 U	0.22 U	0.2 U	**3.7**	**0.38**
Sodium		7440-23-5	NE	NE	320 U	270 U	260 U	270 U	270 U	**630**	260 U	270 U	260 U	270 U	250 U	270 U	260 U
Thallium		7440-28-0	NE	NE	0.51 U	0.43 U	0.42 U	0.43 U	0.43 U	0.43 U	0.41 U	0.43 U	0.41 U	0.43 U	0.4 U	0.43 U	0.41 U
Vanadium		7440-62-2	NE	NE	**20**	11 U	10 U	**15**	**14**	**25**	10 U	**13**	10 U	**14**	10 U	11 U	10 U
Zinc		7440-66-6	109	10000	**190**	11 U	**11**	**34**	**17**	**47**	10 U	**29**	**19**	**27**	10 U	**35**	**11**

Table 5-5
Summary of Soil Metal-Cyanide Anlytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	IP-06	IP-06	IP-06	IP-07	IP-07	IP-08	IP-08	IP-08	LP-01	LP-01	LP-01	LP-01
					Sample Name	2015-07-15-DUP	IP-6 (0-2)	IP-6 (4-6)	IP-7 (0-2)	IP-7 (6-8)	2015_07_07 DUP	IP-8 (0-2)	IP-8 (3-4)	LP-1 (17'-18')	LP-1 (20'-22')	LP-1 (30'-32')	LP-1 (38'-40')
					Sample Date	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/15/2015	7/7/2015	7/7/2015	7/7/2015	6/25/2015	6/24/2015	6/24/2015	6/24/2015
					Parent Sample	IP-6 (0-2)-5071603					IP-8 (0-2)-5070806						
Analyte	**Units**	**CAS No.**	**Unrestricted SCO**	**Commercial SCO**													
SSO_METALS	mg/kg																
Aluminum		7429-90-5	NE	NE	**5000**	**4500**	**5300**	**4700**	**790**	**11000**	**8200**	**3700**	**14000**	240 U	240 U	240 U
Antimony		7440-36-0	NE	NE	0.84 UJ	0.85 UJ	0.84 UJ	0.83 UJ	0.81 UJ	0.89 U	0.89 U	0.99 U	1.5 U	0.96 U	0.94 U	0.95 U
Arsenic		7440-38-2	13	16	**1.4**	**1.8**	**1.4**	**1.4**	**0.39**	**3.9 J**	**1.4 J**	**1.1**	**2.4**	0.24 U	**0.42**	**0.55**
Barium		7440-39-3	350	400	11 U	**13**	**20**	10 U	10 U	**29**	**23**	**38**	**70**	12 U	12 U	12 U
Beryllium		7440-41-7	7.2	590	0.21 U	0.21 U	0.21 U	0.21 U	0.2 U	**0.37**	0.22 U	0.25 U	0.38 U	0.24 U	0.24 U	0.24 U
Cadmium		7440-43-9	2.5	9.3	0.42 U	0.43 U	0.42 U	0.42 U	0.4 U	0.44 U	0.44 U	0.49 U	**0.91**	0.48 U	0.47 U	0.48 U
Calcium		7440-70-2	NE	NE	**1200**	1100 U	**26000**	1000 U	1000 U	**24000**	**20000**	**3000**	1900 U	1200 U	1200 U	1200 U
Chromium, Hexavalent		18540-29-9	1	400	1.1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1.2 U	**9**	1.2 U	**2**	1.2 U
Chromium, Total		7440-47-3	NE	NE	**6.2**	**7.7**	**19**	**14**	5.1 U	**20 J**	**120 J**	6.2 U	**96**	6 U	**36**	6 U
Cobalt		7440-48-4	NE	NE	2.6 U	2.7 U	2.6 U	2.6 U	2.5 U	**3.7**	**3.5**	3.1 U	4.7 U	3 U	2.9 U	3 U
Copper		7440-50-8	50	270	5.3 U	5.3 U	**6.6**	5.2 U	5.1 U	**7.1**	**8.1**	**8.8**	**19000**	**110**	**300**	**38**
Cyanide		57-12-5	27	27	0.25 U	0.26 U	0.25 U	0.25 U	0.24 U	0.27 U	0.27 U	**0.37**	**47**	0.29 U	**4.3**	0.29 UJ
Iron		7439-89-6	NE	NE	**6500**	**5400**	**7900**	**6400**	**1200**	**13000**	**9800**	**4400**	**16000**	**400**	**3700**	**1000**
Lead		7439-92-1	63	1000	**11**	**16**	**8.2**	**6.3**	5.1 U	**7.7**	**5.7**	**32**	**4200**	**92**	**180**	**20**
Magnesium		7439-95-4	NE	NE	**670**	**650**	**1600**	520 U	510 U	**2200**	**1800**	620 U	**1800**	600 U	590 U	600 U
Manganese		7439-96-5	1600	10000	**53**	**60**	**100**	**34**	**23**	**130**	**110**	**110**	**73**	12 U	**18**	12 U
Mercury		7439-97-6	0.18	2.8	0.088 U	0.089 U	0.088 U	0.087 U	0.084 U	0.093 U	0.093 U	0.1 U	**0.66**	0.1 U	0.098 U	0.099 U
Nickel		7440-02-0	30	310	5.3 U	5.3 U	**6.5**	5.2 U	5.1 U	**13 J**	**59 J**	6.2 U	**72**	6 U	**9.8**	6 U
Potassium		7440-09-7	NE	NE	530 U	530 U	530 U	520 U	510 U	**670**	560 U	620 U	940 U	600 U	590 U	600 U
Selenium		7782-49-2	3.9	1500	2.1 U	2.1 U	2.1 U	2.1 U	2 U	2.2 U	2.2 U	2.5 U	3.8 U	2.4 U	2.4 U	2.4 U
Silver		7440-22-4	2	1500	0.21 U	0.21 U	0.21 U	0.21 U	0.2 U	0.22 U	0.22 U	0.25 U	**28**	**1.7**	**5.1**	**0.92**
Sodium		7440-23-5	NE	NE	260 U	270 U	260 U	260 U	250 U	280 U	280 U	310 U	470 U	300 U	290 U	300 U
Thallium		7440-28-0	NE	NE	0.42 U	0.43 U	0.42 U	0.42 U	0.4 U	0.44 U	0.44 U	0.49 U	0.75 U	0.48 U	0.47 U	0.48 U
Vanadium		7440-62-2	NE	NE	11 U	11 U	11 U	10 U	10 U	**18**	**14**	12 U	**30**	12 U	12 U	12 U
Zinc		7440-66-6	109	10000	**15**	**19**	**17**	10 U	10 U	**19**	**13**	**240**	**55**	12 U	12 U	12 U

Table 5-5
Summary of Soil Metal-Cyanide Anlytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

Location Name Sample Name Sample Date Parent Sample					LP-01A LP-1A (15'-17') 6/26/2015	LP-01A LP-1A (20'-22') 6/26/2015	LP-01A LP-1A (28'-30') 6/26/2015	LP-01A LP-1A (38'-40') 6/26/2015	LP-02 LP-2 (15'-17') 6/26/2015	LP-02 LP-2 (20'-22') 6/26/2015	LP-02 LP-2 (28'-30') 6/26/2015	LP-02 LP-2 (38'-40') 6/26/2015	LP-03 2015-06-24-DUP 6/24/2015 LP-3 (20'-22')-5062504	LP-03 LP-3 (15'-17') 6/24/2015
Analyte	**Units**	**CAS No.**	**Unrestricted SCO**	**Commercial SCO**										
SSO_METALS	mg/kg													
Aluminum		7429-90-5	NE	NE	230 U	210 U	210 U	240 U	**820**	**1100**	**670**	**1600**	250 U	**300**
Antimony		7440-36-0	NE	NE	0.92 U	0.84 U	0.82 U	0.94 U	0.82 U	0.82 U	0.83 U	0.94 U	1 U	0.87 U
Arsenic		7440-38-2	13	16	**2**	**0.26**	0.21 U	**0.29**	**0.26**	**0.69**	**0.25**	**0.83**	0.25 U	**0.27**
Barium		7440-39-3	350	400	**13**	11 U	10 U	12 U	10 U	10 U	10 U	12 U	12 U	11 U
Beryllium		7440-41-7	7.2	590	0.23 U	0.21 U	0.21 U	0.24 U	0.21 U	0.21 U	0.21 U	0.24 U	0.25 U	0.22 U
Cadmium		7440-43-9	2.5	9.3	0.46 U	0.42 U	0.41 U	0.47 U	0.41 U	0.41 U	0.42 U	0.47 U	0.5 U	0.43 U
Calcium		7440-70-2	NE	NE	**1700**	1100 U	1000 U	1200 U	1000 U	1000 U	1000 U	1200 U	1200 U	1100 U
Chromium, Hexavalent		18540-29-9	1	400	1.1 U	1.1 U	1 U	1.2 U	1 U	1 U	1 U	1.2 U	1.2 U	1.1 U
Chromium, Total		7440-47-3	NE	NE	**23**	5.3 U	5.2 U	5.9 U	5.2 U	**7.3**	5.2 U	5.9 U	6.2 U	5.4 U
Cobalt		7440-48-4	NE	NE	2.9 U	2.6 U	2.6 U	2.9 U	2.6 U	2.6 U	2.6 U	2.9 U	3.1 U	2.7 U
Copper		7440-50-8	50	270	**410**	**51**	**22**	**88**	**5.6**	**24**	**42**	**160**	**7.4**	**37**
Cyanide		57-12-5	27	27	**7.7**	0.25 U	0.25 U	0.28 U	0.25 U	0.25 U	0.25 U	0.28 U	0.3 U	0.26 U
Iron		7439-89-6	NE	NE	**1600**	**1100**	**260**	**550**	**2000**	**10000**	**1600**	**3100**	**320**	**830**
Lead		7439-92-1	63	1000	**2000**	**270**	**26**	**58**	5.2 U	5.2 U	5.2 U	**59**	**19**	**41**
Magnesium		7439-95-4	NE	NE	**770**	530 U	520 U	590 U	520 U	520 U	520 U	590 U	620 U	540 U
Manganese		7439-96-5	1600	10000	11 U	11 U	10 U	12 U	**78**	**69**	10 U	**15**	12 U	11 U
Mercury		7439-97-6	0.18	2.8	**0.4**	0.088 U	0.086 U	0.098 U	0.086 U	0.086 U	0.087 U	0.098 U	0.1 U	0.091 U
Nickel		7440-02-0	30	310	**6**	5.3 U	5.2 U	5.9 U	5.2 U	5.2 U	5.2 U	**45**	6.2 U	5.4 U
Potassium		7440-09-7	NE	NE	570 U	530 U	520 U	590 U	520 U	520 U	520 U	590 U	620 U	540 U
Selenium		7782-49-2	3.9	1500	2.3 U	2.1 U	2.1 U	2.4 U	2.1 U	2.1 U	2.1 U	2.4 U	2.5 U	2.2 U
Silver		7440-22-4	2	1500	**37**	**9.6**	**9.9**	**8.1**	0.21 U	0.21 U	0.21 U	0.24 U	**0.78 J**	**3.8**
Sodium		7440-23-5	NE	NE	290 U	260 U	260 U	290 U	260 U	260 U	260 U	290 U	310 U	270 U
Thallium		7440-28-0	NE	NE	0.46 U	0.42 U	0.41 U	0.47 U	0.41 U	0.41 U	0.42 U	0.47 U	0.5 U	0.43 U
Vanadium		7440-62-2	NE	NE	11 U	11 U	10 U	12 U	10 U	10 U	10 U	12 U	12 U	11 U
Zinc		7440-66-6	109	10000	11 U	11 U	10 U	12 U	10 U	**21**	10 U	**13**	12 U	11 U

Table 5-5
Summary of Soil Metal-Cyanide Anlytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	LP-03	LP-03	LP-03	LP-03	LP-04	LP-04	LP-04	LP-05	LP-05	LP-05	LP-06
					Sample Name	LP-3 (20'-22')	LP-3 (28'-30')	LP-3 (38'-40')	LP-3 (5'-7')	LP-4 (20'-22')	LP-4 (15'-17')	LP-4 (28'-30')	LP-5 (15'-17')	LP-5 (20'-22')	LP-5 (28'-30')	2015_06_23_DUP
					Sample Date	6/24/2015	6/24/2015	6/24/2015	6/24/2015	6/24/2015	6/24/2015	6/24/2015	6/24/2015	6/24/2015	6/24/2015	6/23/2015
					Parent Sample											LP-6 (20'-22')
Analyte	**Units**	**CAS No.**	**Unrestricted SCO**	**Commercial SCO**												
SSO_METALS	mg/kg															
Aluminum		7429-90-5	NE	NE	250 U	250 U	240 U	**1600**	240 U	220 U	210 U	**520**	**790**	**250**	210 U
Antimony		7440-36-0	NE	NE	0.99 U	1 U	0.95 U	0.96 U	0.98 U	0.87 U	0.85 U	0.99 U	1 U	0.98 U	0.84 U
Arsenic		7440-38-2	13	16	0.25 U	0.25 U	**0.35**	**0.74**	0.24 U	0.22 U	**0.3**	**0.32**	**0.31**	**0.35**	**0.28**
Barium		7440-39-3	350	400	12 U	12 U	12 U	12 U	12 U	11 U	11 U	12 U	12 U	12 U	11 U
Beryllium		7440-41-7	7.2	590	0.25 U	0.25 U	0.24 U	0.24 U	0.24 U	0.22 U	0.21 U	0.25 U	0.25 U	0.24 U	0.21 U
Cadmium		7440-43-9	2.5	9.3	0.49 U	0.5 U	0.48 U	0.48 U	0.49 U	0.43 U	0.43 U	0.49 U	0.5 U	0.49 U	0.42 U
Calcium		7440-70-2	NE	NE	1200 U	1200 U	1200 U	1200 U	1200 U	1100 U	1100 U	1200 U	1200 U	1200 U	1100 U
Chromium, Hexavalent		18540-29-9	1	400	1.2 U	1.2 U	1.2 U	**1.4**	1.2 U	1.1 U	1.1 U	1.2 U	**1.4**	1.2 U	1.1 U
Chromium, Total		7440-47-3	NE	NE	6.2 U	6.2 U	6 U	6 U	6.1 U	5.4 U	5.3 U	6.2 U	6.2 U	6.1 U	5.3 U
Cobalt		7440-48-4	NE	NE	3.1 U	3.1 U	3 U	3 U	3 U	2.7 U	2.7 U	3.1 U	3.1 U	3 U	2.6 U
Copper		7440-50-8	50	270	**6.4**	**13**	**100**	6 U	**7.7**	5.4 U	**17**	**20**	**17**	**12**	**12 J**
Cyanide		57-12-5	27	27	0.3 U	0.3 U	0.29 U	0.29 U	0.29 U	0.26 U	0.26 U	0.3 U	0.3 U	0.29 U	0.25 U
Iron		7439-89-6	NE	NE	**300**	250 U	**660**	**3500**	**330**	**380**	**400**	**1000**	**2100**	**950**	**370**
Lead		7439-92-1	63	1000	**20**	**8.6**	**12**	6 U	**29**	**21**	**44**	**18**	**22**	**46**	**170**
Magnesium		7439-95-4	NE	NE	620 U	620 U	600 U	600 U	610 U	540 U	530 U	620 U	620 U	610 U	530 U
Manganese		7439-96-5	1600	10000	12 U	12 U	12 U	**61**	12 U	11 U	11 U	12 U	12 U	12 U	11 U
Mercury		7439-97-6	0.18	2.8	0.1 U	0.1 U	0.099 U	0.1 U	0.1 U	0.091 U	0.089 U	0.1 U	0.1 U	0.1 U	0.088 U
Nickel		7440-02-0	30	310	6.2 U	6.2 U	**29**	6 U	6.1 U	5.4 U	5.3 U	6.2 U	6.2 U	6.1 U	5.3 U
Potassium		7440-09-7	NE	NE	620 U	620 U	600 U	600 U	610 U	540 U	530 U	620 U	620 U	610 U	530 U
Selenium		7782-49-2	3.9	1500	2.5 U	2.5 U	2.4 U	2.4 U	2.4 U	2.2 U	2.1 U	2.5 U	2.5 U	2.4 U	2.1 U
Silver		7440-22-4	2	1500	**1.8 J**	**0.43 J**	0.24 U	0.24 U	**1.4**	**1.6**	**0.76**	0.25 U	**0.37**	0.24 U	**3.4**
Sodium		7440-23-5	NE	NE	310 U	310 U	300 U	300 U	300 U	270 U	270 U	310 U	310 U	300 U	260 U
Thallium		7440-28-0	NE	NE	0.49 U	0.5 U	0.48 U	0.48 U	0.49 U	0.43 U	0.43 U	0.49 U	0.5 U	0.49 U	0.42 U
Vanadium		7440-62-2	NE	NE	12 U	12 U	12 U	12 U	12 U	11 U	11 U	12 U	12 U	12 U	11 U
Zinc		7440-66-6	109	10000	12 U	12 U	12 U	12 U	**32**	11 U	11 U	12 U	12 U	12 U	11 U

Table 5-5
Summary of Soil Metal-Cyanide Anlytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

				Location Name	LP-06	LP-06	LP-06	LP-06	LP-06	LP-07	LP-07	LP-07	LP-08	LP-08	LP-08
				Sample Name	LP-6 (15'-17')	LP-6 (20'-22')	LP-6 (28'-30')	LP-6 (38'-40')	LP-6 (5'-10')	LP-7 (15'-17')	LP-7 (20'-22')	LP-7 (28'-30')	LP-8 (15'-17')	LP-8 (20'-22')	LP-8 (28'-30')
				Sample Date	6/23/2015	6/23/2015	6/23/2015	6/23/2015	6/23/2015	6/23/2015	6/23/2015	6/23/2015	6/22/2015	6/22/2015	6/22/2015
				Parent Sample											
Analyte	**Units**	**CAS No.**	**Unrestricted SCO**	**Commercial SCO**											
SSO_METALS	mg/kg														
Aluminum		7429-90-5	NE	NE	**2000**	250 U	210 U	**380**	**7600**	210 U	240 UJ	210 U	**480**	**390**	**320**
Antimony		7440-36-0	NE	NE	0.83 U	1 U	0.84 U	0.91 U	0.87 U	0.83 U	0.98 U	0.84 U	0.83 U	0.83 U	0.83 U
Arsenic		7440-38-2	13	16	**0.8**	0.25 U	**0.78**	**0.73**	**5.8**	0.21 U	**0.37**	**0.33**	0.21 U	0.21 U	**0.25**
Barium		7440-39-3	350	400	10 U	13 U	11 U	11 U	**23**	10 U	12 U	11 U	10 U	10 U	10 U
Beryllium		7440-41-7	7.2	590	0.21 U	0.25 U	0.21 U	0.23 U	**0.23**	0.21 U	0.24 U	0.21 U	0.21 U	0.21 U	0.21 U
Cadmium		7440-43-9	2.5	9.3	0.42 U	0.51 U	0.42 U	0.45 U	0.43 U	0.42 U	0.49 U	0.42 U	0.42 U	0.42 U	0.42 U
Calcium		7440-70-2	NE	NE	1000 U	1300 U	1100 U	1100 U	**2700**	1000 U	1200 U	1100 U	1000 U	1000 U	1000 U
Chromium, Hexavalent		18540-29-9	1	400	1 U	1.3 U	1.1 U	1.1 U	1.1 U	1 U	1.2 U	1.1 U	1 U	1 U	1 U
Chromium, Total		7440-47-3	NE	NE	5.2 U	6.3 U	5.3 U	5.7 U	**12**	**8.2**	6.1 U	5.3 U	**12**	**17**	5.2 U
Cobalt		7440-48-4	NE	NE	2.6 U	3.2 U	2.6 U	2.8 U	2.7 U	2.6 U	3 U	2.6 U	2.6 U	2.6 U	2.6 U
Copper		7440-50-8	50	270	**9.9**	**54 J**	**10**	**150**	**28**	**18**	**9.7**	**11**	**220**	**120**	**7.1**
Cyanide		57-12-5	27	27	0.25 U	0.3 U	0.25 U	0.27 U	0.26 U	0.25 U	0.29 U	0.25 U	**0.3**	0.25 U	0.25 U
Iron		7439-89-6	NE	NE	**3700**	**490**	**670**	**1700**	**10000**	**3400**	**510 J**	**700**	**1500**	**1800**	**1200**
Lead		7439-92-1	63	1000	**47**	**400**	**34**	**32**	**20**	**120**	**71 J**	**65**	**290**	**200**	**20**
Magnesium		7439-95-4	NE	NE	520 U	630 U	530 U	570 U	**2100**	520 U	610 U	530 U	520 U	520 U	520 U
Manganese		7439-96-5	1600	10000	**96**	13 U	11 U	11 U	**160**	10 U	12 U	11 U	10 U	**12**	10 U
Mercury		7439-97-6	0.18	2.8	0.087 U	0.11 U	0.088 U	0.095 U	**0.13**	0.087 U	0.1 UJ	0.088 U	0.087 U	0.087 U	0.087 U
Nickel		7440-02-0	30	310	5.2 U	6.3 U	5.3 U	**11**	**6.4**	5.2 U	6.1 U	5.3 U	5.2 U	5.2 U	5.2 U
Potassium		7440-09-7	NE	NE	520 U	630 U	530 U	570 U	540 U	520 U	610 U	530 U	520 U	520 U	520 U
Selenium		7782-49-2	3.9	1500	2.1 U	2.5 U	2.1 U	2.3 U	2.2 U	2.1 U	2.4 U	2.1 U	2.1 U	2.1 U	2.1 U
Silver		7440-22-4	2	1500	**4.8**	**5.4**	**1.7**	**0.38**	0.22 U	**2.3**	**4.2**	**2.6**	**10**	**6.3**	**0.41**
Sodium		7440-23-5	NE	NE	260 U	320 U	260 U	280 U	270 U	260 U	300 U	260 U	260 U	260 U	260 U
Thallium		7440-28-0	NE	NE	0.42 U	0.51 U	0.42 U	0.45 U	0.43 U	0.42 U	0.49 U	0.42 U	0.42 U	0.42 U	0.42 U
Vanadium		7440-62-2	NE	NE	10 U	13 U	11 U	11 U	**15**	10 U	12 U	11 U	10 U	10 U	10 U
Zinc		7440-66-6	109	10000	10 U	13 U	11 U	**14**	**27**	10 U	12 U	11 U	10 U	10 U	10 U

Table 5-5
Summary of Soil Metal-Cyanide Anlytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

				Location Name	LP-08	LP-09	LP-09	LP-09	LP-10	LP-10	LP-10	LP-10	LP-11	LP-11
				Sample Name	LP-8 (5'-10')	LP-9 (15'-17')	LP-9 (20'-22')	LP-9 (28'-30')	2015-07-09 DUP	LP-10 (15-17)	LP-10 (20-22)	LP-10 (28-30)	LP-11 (15-17)	LP-11 (20-22)
				Sample Date	6/22/2015	6/22/2015	6/22/2015	6/22/2015	7/9/2015	7/9/2015	7/9/2015	7/9/2015	6/29/2015	6/29/2015
				Parent Sample					LP-10 (20-22)-5071005					
Analyte	**Units**	**CAS No.**	**Unrestricted SCO**	**Commercial SCO**										
SSO_METALS	mg/kg													
Aluminum		7429-90-5	NE	NE	**1000**	**390**	**410**	**380**	**520**	**630**	**350**	**540**	**970**	**590**
Antimony		7440-36-0	NE	NE	0.84 U	0.82 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.82 U	0.85 U	0.85 U
Arsenic		7440-38-2	13	16	0.21 U	**0.35**	**0.35**	**0.3**	**0.25**	**0.3**	**0.58**	**0.52**	**0.33**	**0.27**
Barium		7440-39-3	350	400	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
Beryllium		7440-41-7	7.2	590	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
Cadmium		7440-43-9	2.5	9.3	0.42 U	0.41 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.41 U	0.43 U	0.43 U
Calcium		7440-70-2	NE	NE	1100 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1100 U	1100 U
Chromium, Hexavalent		18540-29-9	1	400	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U
Chromium, Total		7440-47-3	NE	NE	**32**	**7.3**	**11**	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U
Cobalt		7440-48-4	NE	NE	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.7 U	2.7 U
Copper		7440-50-8	50	270	**410**	**31**	**26**	**10**	**36 J**	**17**	**20 J**	**27**	**15**	**18**
Cyanide		57-12-5	27	27	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.26 U	0.26 U
Iron		7439-89-6	NE	NE	**3100**	**1700**	**2000**	**1400**	**1300**	**1400**	**870**	**1600**	**2200**	**1400**
Lead		7439-92-1	63	1000	**640**	**14**	**16**	**16**	5.2 U	**7**	5.2 U	5.2 U	**6**	5.3 U
Magnesium		7439-95-4	NE	NE	530 U	520 U	520 U	520 U	520 U	520 U	520 U	520 U	530 U	530 U
Manganese		7439-96-5	1600	10000	**23**	10 U	**11**	10 U	10 U	**15**	10 U	10 U	**16**	11 U
Mercury		7439-97-6	0.18	2.8	**0.1**	0.086 U	0.087 U	0.087 U	0.087 U	0.087 U	0.087 U	0.086 U	0.089 U	0.089 U
Nickel		7440-02-0	30	310	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U
Potassium		7440-09-7	NE	NE	530 U	520 U	520 U	520 U	520 U	520 U	520 U	520 U	530 U	530 U
Selenium		7782-49-2	3.9	1500	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Silver		7440-22-4	2	1500	**12**	**1.4**	**0.35**	**0.22**	0.21 U	0.21 U	0.21 U	0.21 U	**0.39**	0.21 U
Sodium		7440-23-5	NE	NE	260 U	260 U	260 U	260 U	260 U	260 U	260 U	260 U	270 U	270 U
Thallium		7440-28-0	NE	NE	0.42 U	0.41 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.41 U	0.43 U	0.43 U
Vanadium		7440-62-2	NE	NE	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
Zinc		7440-66-6	109	10000	11 U	10 U	10 U	10 U	**56 J**	10 U	10 UJ	10 U	11 U	11 U

Table 5-5
Summary of Soil Metal-Cyanide Anlytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	LP-11	LP-11	LP-12	LP-12	LP-12	LP-12	LP-13	LP-13	LP-13	LP-14
					Sample Name	LP-11 (28-30)	LP-11 (5-10)	2015_07_08 Dup	LP-12 (15-17)	LP-12 (20-22)	LP-12 (28-30)	LP-13 (15-17)	LP-13 (20-22)	LP-13 (28-30)	LP-14 (15-17)
					Sample Date	6/29/2015	6/29/2015	7/8/2015	7/8/2015	7/8/2015	7/8/2015	6/29/2015	6/29/2015	6/29/2015	7/13/2015
					Parent Sample			LP-12 (15-17)-5070902							
Analyte	**Units**	**CAS No.**	**Unrestricted SCO**	**Commercial SCO**											
SSO_METALS	mg/kg														
Aluminum		7429-90-5	NE	NE	**850**	**3600**	**730**	**620**	**620 J**	**640**	**890**	**720**	**880**	**700**
Antimony		7440-36-0	NE	NE	0.9 U	0.94 U	0.82 U	0.82 U	0.82 U	0.84 U	0.85 U	0.85 U	0.86 U	0.84 U
Arsenic		7440-38-2	13	16	**0.55**	**1.4**	**0.31**	**0.41**	**0.3**	**0.3**	**0.32**	**0.36**	**0.44**	**0.39**
Barium		7440-39-3	350	400	11 U	12 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U	11 U
Beryllium		7440-41-7	7.2	590	0.22 U	0.24 U	0.2 U	0.2 U	0.2 U	0.21 U	0.21 U	0.21 U	0.22 U	0.21 U
Cadmium		7440-43-9	2.5	9.3	0.45 U	0.47 U	0.41 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.43 U	0.42 U
Calcium		7440-70-2	NE	NE	1100 U	1200 U	1000 U	1000 U	1000 U	1100 U	1100 U	1100 U	1100 U	1100 U
Chromium, Hexavalent		18540-29-9	1	400	1.1 U	1.2 U	1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Chromium, Total		7440-47-3	NE	NE	5.6 U	5.9 U	5.1 U	**5.1**	5.1 U	5.3 U	5.3 U	5.3 U	5.4 U	5.3 U
Cobalt		7440-48-4	NE	NE	2.8 U	2.9 U	2.6 U	2.6 U	2.6 U	2.6 U	2.7 U	2.7 U	2.7 U	2.6 U
Copper		7440-50-8	50	270	**24**	5.9 U	5.1 U	5.1 U	5.1 U	**14**	**27**	**32**	**60**	**11**
Cyanide		57-12-5	27	27	0.27 U	0.28 U	0.24 U	0.24 U	0.24 U	0.25 U	0.26 U	0.26 U	0.26 U	0.25 U
Iron		7439-89-6	NE	NE	**1800**	**5400**	**1500**	**1300**	**1300 J**	**1200**	**1300**	**1400**	**2300**	**1200**
Lead		7439-92-1	63	1000	5.6 U	5.9 U	5.1 U	5.1 U	5.1 U	5.3 U	**15**	**19**	**28**	5.3 U
Magnesium		7439-95-4	NE	NE	560 U	**690**	510 U	510 U	510 U	530 U	530 U	530 U	540 U	530 U
Manganese		7439-96-5	1600	10000	11 U	**110**	**19**	**16**	**27**	**22**	**12**	11 U	**11**	**21**
Mercury		7439-97-6	0.18	2.8	0.094 U	0.098 U	0.085 U	0.085 U	0.085 U	0.088 U	0.089 U	0.089 U	0.09 U	0.088 U
Nickel		7440-02-0	30	310	5.6 U	5.9 U	5.1 U	5.1 U	5.1 U	5.3 U	5.3 U	5.3 U	5.4 U	5.3 U
Potassium		7440-09-7	NE	NE	560 U	590 U	510 U	510 U	510 U	530 U	530 U	530 U	540 U	530 U
Selenium		7782-49-2	3.9	1500	2.2 U	2.4 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U
Silver		7440-22-4	2	1500	0.22 U	0.24 U	0.2 U	0.2 U	0.2 U	0.21 U	0.21 U	0.21 U	0.22 U	0.21 U
Sodium		7440-23-5	NE	NE	280 U	290 U	260 U	260 U	260 U	260 U	270 U	270 U	270 U	260 U
Thallium		7440-28-0	NE	NE	0.45 U	0.47 U	0.41 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.43 U	0.42 U
Vanadium		7440-62-2	NE	NE	11 U	12 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U	11 U
Zinc		7440-66-6	109	10000	11 U	**13**	10 U	10 U	10 U	11 U	11 U	11 U	11 U	11 U

Table 5-5
Summary of Soil Metal-Cyanide Anlytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	LP-14	LP-14	LP-14	LP-15	LP-15	LP-15	LP-15	LP-16	LP-16	LP-16
					Sample Name	LP-14 (20-22)	LP-14 (28-30)	LP-14 (38-40)	LP-15 (15'-17')	LP-15 (20'-22')	LP-15 (28'-30')	LP-15 (38'-40')	LP-16 (15'-17')	LP-16 (20'-22')	LP-16 (28'-30')
					Sample Date	7/13/2015	7/13/2015	7/13/2015	6/22/2015	6/22/2015	6/22/2015	6/22/2015	6/23/2015	6/23/2015	6/23/2015
					Parent Sample										
Analyte	**Units**	**CAS No.**	**Unrestricted SCO**	**Commercial SCO**											
SSO_METALS	mg/kg														
Aluminum		7429-90-5	NE	NE	**710**	**860**	**1300**	**5400**	**570**	**390**	**510**	**4600**	**500**	**660**
Antimony		7440-36-0	NE	NE	0.85 U	0.85 U	0.95 U	0.85 U	0.83 U	0.98 U	0.95 U	0.85 U	0.99 U	0.98 U
Arsenic		7440-38-2	13	16	**0.46**	**0.36**	**0.41**	**1.5**	**0.33**	**0.4**	**0.3**	**1.1**	**0.35**	**0.41**
Barium		7440-39-3	350	400	11 U	11 U	12 U	**27**	10 U	12 U	12 U	**16**	12 U	12 U
Beryllium		7440-41-7	7.2	590	0.21 U	0.21 U	0.24 U	**0.27**	0.21 U	0.24 U	0.24 U	0.21 U	0.25 U	0.24 U
Cadmium		7440-43-9	2.5	9.3	0.43 U	0.43 U	0.48 U	0.43 U	0.42 U	0.49 U	0.48 U	0.43 U	0.49 U	0.49 U
Calcium		7440-70-2	NE	NE	1100 U	1100 U	1200 U	1100 U	1000 U	1200 U	1200 U	1100 U	1200 U	1200 U
Chromium, Hexavalent		18540-29-9	1	400	1.1 U	1.1 U	1.2 U	1.1 U	1 U	1.2 U	1.2 U	1.1 U	1.2 U	1.2 U
Chromium, Total		7440-47-3	NE	NE	**5.4**	5.3 U	6 U	**9.5**	5.2 U	6.1 U	6 U	**7.9**	6.2 U	6.1 U
Cobalt		7440-48-4	NE	NE	2.7 U	2.7 U	3 U	**3.3**	2.6 U	3 U	3 U	2.7 U	3.1 U	3 U
Copper		7440-50-8	50	270	**14**	**19**	**8.3**	**12**	**9.3**	**14**	**30**	**5.5**	**21**	**13**
Cyanide		57-12-5	27	27	0.26 U	0.26 U	0.29 U	0.26 U	0.25 U	0.29 U	0.29 U	0.26 U	0.3 U	0.29 U
Iron		7439-89-6	NE	NE	**2000**	**1700**	**2000**	**9800**	**1400**	**1400**	**2000**	**9000**	**1100**	**1700**
Lead		7439-92-1	63	1000	**8.6**	**9.9**	6 U	5.3 U	**17**	**42**	**18**	5.3 U	6.2 U	**15**
Magnesium		7439-95-4	NE	NE	530 U	530 U	600 U	**1600**	520 U	610 U	600 U	**880**	620 U	610 U
Manganese		7439-96-5	1600	10000	**31**	**13**	**13**	**860**	**20**	12 U	12 U	**180**	12 U	12 U
Mercury		7439-97-6	0.18	2.8	0.089 U	0.089 U	0.099 U	0.089 U	0.087 U	0.1 U	0.099 U	0.089 U	0.1 U	0.1 U
Nickel		7440-02-0	30	310	5.3 U	5.3 U	6 U	**7.5**	5.2 U	6.1 U	6 U	5.3 U	6.2 U	6.1 U
Potassium		7440-09-7	NE	NE	530 U	530 U	600 U	**710**	520 U	610 U	600 U	530 U	620 U	610 U
Selenium		7782-49-2	3.9	1500	2.1 U	2.1 U	2.4 U	2.1 U	2.1 U	2.4 U	2.4 U	2.1 U	2.5 U	2.4 U
Silver		7440-22-4	2	1500	0.21 U	0.21 U	0.24 U	0.21 U	**0.43**	**0.25**	0.24 U	0.21 U	0.25 U	0.24 U
Sodium		7440-23-5	NE	NE	270 U	270 U	300 U	270 U	260 U	300 U	300 U	270 U	310 U	300 U
Thallium		7440-28-0	NE	NE	0.43 U	0.43 U	0.48 U	0.43 U	0.42 U	0.49 U	0.48 U	0.43 U	0.49 U	0.49 U
Vanadium		7440-62-2	NE	NE	11 U	11 U	12 U	**12**	10 U	12 U	12 U	**14**	12 U	12 U
Zinc		7440-66-6	109	10000	11 U	**22**	12 U	**18**	10 U	12 U	12 U	**13**	12 U	12 U

Table 5-5
Summary of Soil Metal-Cyanide Anlytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

				Location Name	LP-17	LP-17	LP-17	LP-17	LP-18	LP-18	LP-18	LP-18	LP-19	LP-19	LP-19
				Sample Name	LP-17 (15-17)	LP-17 (20-22)	LP-17 (28-30)	LP-17 (5-10)	LP-18 (15-17)	LP-18 (20-22)	LP-18 (28-30)	LP-18 (5-10)	LP-19 (10'-11')	LP-19 (10-15)	LP-19 (15-17)
				Sample Date	7/8/2015	7/8/2015	7/8/2015	7/8/2015	7/8/2015	7/8/2015	7/8/2015	7/8/2015	6/25/2015	7/9/2015	7/9/2015
				Parent Sample											
Analyte	**Units**	**CAS No.**	**Unrestricted SCO**	**Commercial SCO**											
SSO_METALS	mg/kg														
Aluminum		7429-90-5	NE	NE	**760**	**1000**	**790**	**910**	**690**	**630**	**770**	**1300**	**18000**	**2100**	**590**
Antimony		7440-36-0	NE	NE	0.85 U	0.84 U	0.86 U	0.82 U	0.82 U	0.83 U	0.83 U	0.81 U	**12**	0.87 U	0.82 U
Arsenic		7440-38-2	13	16	**0.33**	**0.24**	**0.46**	**0.36**	**0.24**	**0.32**	**0.27**	**0.42**	**4.9**	**1.4**	**0.35**
Barium		7440-39-3	350	400	11 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U	**520**	**24**	10 U
Beryllium		7440-41-7	7.2	590	0.21 U	0.21 U	0.22 U	0.2 U	0.21 U	0.21 U	0.21 U	0.2 U	0.32 U	0.22 U	0.21 U
Cadmium		7440-43-9	2.5	9.3	0.43 U	0.42 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	**21**	**1.5**	0.41 U
Calcium		7440-70-2	NE	NE	1100 U	1100 U	1100 U	1000 U	1000 U	1000 U	1000 U	**1300**	**72000**	**7100**	1000 U
Chromium, Hexavalent		18540-29-9	1	400	1.1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1.6 U	1.1 U	1 U
Chromium, Total		7440-47-3	NE	NE	5.3 U	5.3 U	5.4 U	5.1 U	5.2 U	5.2 U	5.2 U	**7.8**	**82**	**9.6**	**6.7**
Cobalt		7440-48-4	NE	NE	2.7 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U	2.5 U	**7.2**	2.7 U	2.6 U
Copper		7440-50-8	50	270	5.3 U	5.3 U	**18**	5.1 U	5.2 U	5.2 U	**18**	5.1 U	**730**	**73**	**28**
Cyanide		57-12-5	27	27	0.26 U	0.25 U	0.26 U	0.24 U	0.25 U	0.25 U	0.25 U	0.24 U	**0.6**	0.26 U	0.25 U
Iron		7439-89-6	NE	NE	**1500**	**2100**	**2000**	**1500**	**1300**	**1600**	**1700**	**2100**	**33000**	**18000**	**1500**
Lead		7439-92-1	63	1000	5.3 U	5.3 U	5.4 U	5.1 U	5.2 U	5.2 U	5.2 U	5.1 U	**1300**	**47**	**33**
Magnesium		7439-95-4	NE	NE	530 U	530 U	540 U	510 U	520 U	520 U	520 U	510 U	**7900**	**770**	520 U
Manganese		7439-96-5	1600	10000	**17**	**28**	**14**	**11**	**25**	**28**	**20**	**14**	**1700**	**210**	**42**
Mercury		7439-97-6	0.18	2.8	0.089 U	0.088 U	0.09 U	0.085 U	0.086 U	0.087 U	0.087 U	0.084 U	**0.72**	**0.2**	0.086 U
Nickel		7440-02-0	30	310	5.3 U	5.3 U	5.4 U	5.1 U	5.2 U	5.2 U	5.2 U	5.1 U	**60**	5.4 U	5.2 U
Potassium		7440-09-7	NE	NE	530 U	530 U	540 U	510 U	520 U	520 U	520 U	510 U	**1000**	540 U	520 U
Selenium		7782-49-2	3.9	1500	2.1 U	2.1 U	2.2 U	2 U	2.1 U	2.1 U	2.1 U	2 U	3.2 U	2.2 U	2.1 U
Silver		7440-22-4	2	1500	0.21 U	0.21 U	0.22 U	0.2 U	0.21 U	0.21 U	0.21 U	0.2 U	**0.45**	**0.33**	**0.23**
Sodium		7440-23-5	NE	NE	270 U	260 U	270 U	260 U	260 U	260 U	260 U	250 U	**540**	270 U	260 U
Thallium		7440-28-0	NE	NE	0.43 U	0.42 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.65 U	0.43 U	0.41 U
Vanadium		7440-62-2	NE	NE	11 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U	**33**	11 U	10 U
Zinc		7440-66-6	109	10000	11 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U	**2600**	**240**	10 U

Table 5-5
Summary of Soil Metal-Cyanide Anlytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	LP-19	LP-19	LP-20	LP-20	LP-20	LP-21	LP-21	LP-21	LP-22	LP-22
					Sample Name	LP-19 (20-22)	LP-19 (28-30)	LP-20 (15-17)	LP-20 (25-27)	LP-20 (30-32)	LP-21 (15-17)	LP-21 (20-22)	LP-21 (28-30)	2015_06_29	LP-22 (15-17)
					Sample Date	7/9/2015	7/9/2015	7/7/2015	7/7/2015	7/7/2015	6/29/2015	6/29/2015	6/29/2015	6/29/2015	6/29/2015
					Parent Sample									LP-22 (15-17)-5063003	
Analyte	**Units**	**CAS No.**	**Unrestricted SCO**	**Commercial SCO**											
SSO_METALS	mg/kg														
Aluminum		7429-90-5	NE	NE	**590**	**720**	**2300**	**960**	**1300**	**4900**	**960**	**700**	**380 J**	**680 J**
Antimony		7440-36-0	NE	NE	0.83 U	0.83 U	0.83 U	0.87 U	0.9 U	0.85 U	0.86 U	0.86 U	0.95 U	0.85 U
Arsenic		7440-38-2	13	16	**0.32**	**0.51**	**0.49**	**0.52**	**0.48**	**1.2**	**0.3**	**0.29**	0.24 U	0.21 U
Barium		7440-39-3	350	400	10 U	10 U	10 U	11 U	11 U	**17**	11 U	11 U	12 U	11 U
Beryllium		7440-41-7	7.2	590	0.21 U	0.21 U	0.21 U	0.22 U	0.22 U	0.21 U	0.22 U	0.22 U	0.24 U	0.21 U
Cadmium		7440-43-9	2.5	9.3	0.42 U	0.42 U	0.42 U	0.43 U	0.45 U	0.43 U	0.43 U	0.43 U	0.48 U	0.43 U
Calcium		7440-70-2	NE	NE	1000 U	1000 U	**3800**	1100 U	1100 U	1100 U	1100 U	1100 U	1200 U	1100 U
Chromium, Hexavalent		18540-29-9	1	400	1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U
Chromium, Total		7440-47-3	NE	NE	5.2 U	5.2 U	**9.8**	**6.8**	**6**	**7.9**	5.4 U	5.4 U	6 U	5.3 U
Cobalt		7440-48-4	NE	NE	2.6 U	2.6 U	2.6 U	2.7 U	**4.8**	**2.8**	2.7 U	2.7 U	3 U	2.7 U
Copper		7440-50-8	50	270	**62**	**52**	**450**	**30**	**61**	**7.2**	**14**	**25**	**24 J**	**55 J**
Cyanide		57-12-5	27	27	0.25 U	0.25 U	**0.39**	0.26 U	0.27 U	0.26 U	0.26 U	0.26 U	0.29 U	0.26 U
Iron		7439-89-6	NE	NE	**1100**	**1200**	**6500**	**2400**	**3600**	**8700**	**1700**	**1300**	**750 J**	**2100 J**
Lead		7439-92-1	63	1000	**33**	**18**	**140**	**14**	**21**	5.3 U	**19**	5.4 U	6 U	5.3 U
Magnesium		7439-95-4	NE	NE	520 U	520 U	**2000**	540 U	560 U	**1100**	540 U	540 U	600 U	530 U
Manganese		7439-96-5	1600	10000	10 U	10 U	**39**	**22**	**39**	**190**	11 U	11 U	12 U	11 U
Mercury		7439-97-6	0.18	2.8	0.087 U	0.087 U	**0.1**	0.091 U	0.094 U	0.089 U	0.09 U	0.09 U	0.099 U	0.089 U
Nickel		7440-02-0	30	310	5.2 U	5.2 U	**12**	5.4 U	5.6 U	5.3 U	5.4 U	5.4 U	6 U	5.3 U
Potassium		7440-09-7	NE	NE	520 U	520 U	520 U	540 U	560 U	530 U	540 U	540 U	600 U	530 U
Selenium		7782-49-2	3.9	1500	2.1 U	2.1 U	2.1 U	2.2 U	2.2 U	2.1 U	2.2 U	2.2 U	2.4 U	2.1 U
Silver		7440-22-4	2	1500	**0.64**	**0.61**	**0.8**	0.22 U	0.22 U	0.21 U	0.22 U	0.22 U	0.24 U	0.21 U
Sodium		7440-23-5	NE	NE	260 U	260 U	**590**	270 U	280 U	270 U	270 U	270 U	300 U	270 U
Thallium		7440-28-0	NE	NE	0.42 U	0.42 U	0.42 U	0.43 U	0.45 U	0.43 U	0.43 U	0.43 U	0.48 U	0.43 U
Vanadium		7440-62-2	NE	NE	10 U	10 U	**13**	11 U	11 U	**13**	11 U	11 U	12 U	11 U
Zinc		7440-66-6	109	10000	10 U	10 U	**18**	11 U	11 U	**17**	**12**	11 U	12 U	11 U

Table 5-5
Summary of Soil Metal-Cyanide Anlytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	LP-22	LP-22	LP-25	LP-25	LP-25	LP-25	LP-26	LP-26	LP-26	LP-26
					Sample Name	LP-22 (20-22)	LP-22 (28-30)	LP-25 (15-17)	LP-25 (20-22)	LP-25 (28-30)	LP-25 (5-10)	2015_06_30_DUP	LP-26 (15-17)	LP-26 (20-22)	LP-26 (28-30)
					Sample Date	6/29/2015	6/29/2015	6/30/2015	6/30/2015	6/30/2015	6/30/2015	6/30/2015	6/30/2015	6/30/2015	6/30/2015
					Parent Sample							LP-26 (28-30)-5070107			
Analyte	**Units**	**CAS No.**	**Unrestricted SCO**	**Commercial SCO**											
SSO_METALS	mg/kg														
Aluminum		7429-90-5	NE	NE	**640**	**740**	**1400**	**2300**	**1300**	**8900**	**780**	**11000**	**1000 J**	**760**
Antimony		7440-36-0	NE	NE	0.84 U	0.96 U	0.85 U	1 U	0.85 U	0.95 U	0.87 U	0.98 U	0.89 U	0.84 U
Arsenic		7440-38-2	13	16	**0.42**	**0.38**	**0.49**	**0.45**	**0.53**	**1.8**	**0.26**	**1.2**	**0.24**	**0.29**
Barium		7440-39-3	350	400	11 U	12 U	11 U	12 U	11 U	**27**	11 U	**31**	**11 J**	11 U
Beryllium		7440-41-7	7.2	590	0.21 U	0.24 U	0.21 U	0.25 U	0.21 U	0.24 U	0.22 U	0.24 U	0.22 U	0.21 U
Cadmium		7440-43-9	2.5	9.3	0.42 U	0.48 U	0.43 U	0.5 U	0.43 U	0.48 U	0.43 U	0.49 U	0.44 U	0.42 U
Calcium		7440-70-2	NE	NE	1100 U	1200 U	**1100**	1200 U	**2600**	**4800**	1100 U	**1900**	1100 U	1100 U
Chromium, Hexavalent		18540-29-9	1	400	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U	1.1 U
Chromium, Total		7440-47-3	NE	NE	5.3 U	6 U	**11**	**15**	**8.4**	**13**	5.4 U	**73**	5.6 U	5.3 U
Cobalt		7440-48-4	NE	NE	2.6 U	3 U	2.7 U	3.1 U	2.7 U	**4.2**	2.7 U	**4.7**	2.8 U	2.6 U
Copper		7440-50-8	50	270	**53**	**39**	**40**	**70**	**24**	**27**	**29**	**240**	**55**	**28**
Cyanide		57-12-5	27	27	0.25 U	0.29 U	0.26 U	0.3 U	0.26 U	0.29 U	0.26 U	0.29 U	0.27 U	0.25 U
Iron		7439-89-6	NE	NE	**2600**	**1900**	**5600**	**5300**	**2900**	**17000**	**1500**	**19000**	**2200 J**	**1000**
Lead		7439-92-1	63	1000	5.3 U	6 U	**24**	**56**	**7.5**	**12**	5.4 U	**140**	5.6 U	5.3 U
Magnesium		7439-95-4	NE	NE	530 U	600 U	**590**	620 U	**1600**	**2300**	540 U	**2200**	560 U	530 U
Manganese		7439-96-5	1600	10000	**11**	12 U	**57**	**73**	**56**	**270**	11 U	**330**	**20 J**	11 U
Mercury		7439-97-6	0.18	2.8	0.088 U	0.1 U	0.089 U	0.1 U	0.089 U	0.099 U	0.091 U	0.1 U	0.093 U	0.088 U
Nickel		7440-02-0	30	310	5.3 U	6 U	5.3 U	6.2 U	5.3 U	**7.9**	5.4 U	**19**	5.6 U	5.3 U
Potassium		7440-09-7	NE	NE	530 U	600 U	530 U	620 U	530 U	**880**	540 U	**900**	560 U	530 U
Selenium		7782-49-2	3.9	1500	2.1 U	2.4 U	2.1 U	2.5 U	2.1 U	2.4 U	2.2 U	2.4 U	2.2 U	2.1 U
Silver		7440-22-4	2	1500	0.21 U	0.24 U	0.21 U	0.25 U	0.21 U	0.24 U	0.22 U	0.24 U	0.22 U	0.21 U
Sodium		7440-23-5	NE	NE	260 U	300 U	270 U	310 U	270 U	**530**	270 U	300 U	280 U	260 U
Thallium		7440-28-0	NE	NE	0.42 U	0.48 U	0.43 U	0.5 U	0.43 U	0.48 U	0.43 U	0.49 U	0.44 U	0.42 U
Vanadium		7440-62-2	NE	NE	11 U	12 U	11 U	12 U	11 U	**20**	11 U	**18**	11 U	11 U
Zinc		7440-66-6	109	10000	11 U	12 U	11 U	12 U	11 U	**31**	11 U	**380**	**12**	11 U

Table 5-5
Summary of Soil Metal-Cyanide Anlytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	MW-01	MW-01S	MW-01S	MW-01S	MW-02	MW-02	MW-02	MW-03	MW-03	MW-04	MW-04
					Sample Name	2015-07-03 DUP	MW-1 (0-2)	MW-1 (10-15)	MW-1 (28-30)	MW-2 (0-2)	MW-2 (28-30)	MW-2 (5-10)	MW-3 (0-2)	MW-3 (28-30)	MW-4 (0-2)	MW-4 (28-30)
					Sample Date	7/13/2015	7/13/2015	7/13/2015	7/13/2015	7/14/2015	7/14/2015	7/14/2015	7/13/2015	7/13/2015	7/13/2015	7/13/2015
					Parent Sample	MW-1 (28-30)-5071405										
Analyte	**Units**	**CAS No.**	**Unrestricted SCO**	**Commercial SCO**												
SSO_METALS	mg/kg															
Aluminum		7429-90-5	NE	NE		**950**	**6700**	**960**	**580**	**3400**	**540**	**660**	**5700**	**870**	**12000**	**960**
Antimony		7440-36-0	NE	NE		0.83 U	0.86 UJ	0.82 U	0.82 U	0.84 UJ	0.84 U	0.82 U	0.86 U	0.84 U	0.89 U	0.83 U
Arsenic		7440-38-2	13	16		**0.42**	**2.1**	**0.32**	**0.64**	**1**	**0.8**	**0.37**	**2.7**	**0.52**	**2.8**	**0.39**
Barium		7440-39-3	350	400		10 U	**19**	10 U	10 U	11 U	11 U	10 U	**32**	11 U	**30**	10 U
Beryllium		7440-41-7	7.2	590		0.21 U	0.22 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.22 U	0.21 U	0.22 U	0.21 U
Cadmium		7440-43-9	2.5	9.3		0.42 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.41 U	**0.81**	0.42 U	0.44 U	0.42 U
Calcium		7440-70-2	NE	NE		1000 U	**3200 J**	1000 U	1000 U	**1600**	1100 U	1000 U	**68000**	1100 U	**23000**	1000 U
Chromium, Hexavalent		18540-29-9	1	400		1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U
Chromium, Total		7440-47-3	NE	NE		5.2 U	**12**	5.2 U	5.2 U	**5.4**	5.3 U	5.2 U	**8.5**	5.3 U	**13**	5.2 U
Cobalt		7440-48-4	NE	NE		2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.8 U	2.6 U
Copper		7440-50-8	50	270		5.2 U	**6.7**	5.2 U	5.2 U	**10**	**12**	5.2 U	**110**	**11**	**8.4**	5.2 U
Cyanide		57-12-5	27	27		0.25 U	0.26 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.26 U	0.25 U	0.27 U	0.25 U
Iron		7439-89-6	NE	NE		**3900 J**	**8200**	**1600**	**1700 J**	**4000**	**1000**	**1900**	**11000**	**2200**	**12000**	**2500**
Lead		7439-92-1	63	1000		5.2 U	**18**	5.2 U	5.2 U	**12**	5.3 U	5.2 U	**49**	5.3 U	**31**	5.2 U
Magnesium		7439-95-4	NE	NE		520 U	**1500**	520 U	520 U	**990**	530 U	520 U	**33000**	530 U	**14000**	520 U
Manganese		7439-96-5	1600	10000		**35**	**78**	**24**	**22**	**34 J**	**18**	**15**	**150**	**42**	**150**	**66**
Mercury		7439-97-6	0.18	2.8		0.087 U	0.09 U	0.086 U	0.086 U	0.088 U	0.088 U	0.086 U	0.09 U	0.088 U	0.093 U	0.087 U
Nickel		7440-02-0	30	310		5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	5.3 U	5.2 U	11 U	5.3 U	**8.6**	5.2 U
Potassium		7440-09-7	NE	NE		520 U	540 U	520 U	520 U	530 U	530 U	520 U	540 U	530 U	560 U	520 U
Selenium		7782-49-2	3.9	1500		2.1 U	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2.2 U	2.1 U
Silver		7440-22-4	2	1500		0.21 U	0.22 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.22 U	0.21 U	0.22 U	0.21 U
Sodium		7440-23-5	NE	NE		260 U	270 U	260 U	260 U	260 U	260 U	260 U	**280**	260 U	**550**	260 U
Thallium		7440-28-0	NE	NE		0.42 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.41 U	0.43 U	0.42 U	0.44 U	0.42 U
Vanadium		7440-62-2	NE	NE		10 U	**13 J-**	10 U	10 U	11 U	11 U	10 U	**40**	11 U	**21**	10 U
Zinc		7440-66-6	109	10000		10 U	**22**	10 U	10 U	**12**	11 U	10 U	**48**	11 U	**38**	10 U

Table 5-5
Summary of Soil Metal-Cyanide Anlytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	MW-05	MW-05S	MW-05S	SB-01	SB-01	SB-01	SB-02	SB-02	SB-02	SB-02	SB-03
					Sample Name	2015_07-14 DUP	MW-5 (0-2)	MW-5 (28-30)	SB-1 (0-2)	SB-1 (15-20)	SB-1 (28-30)	SB-2 (13'-15')	SB-2 (15'-17')	SB-2 (28'-30')	SB-2 (5'-10')	SB-3 (10-12)
					Sample Date	7/14/2015	7/14/2015	7/14/2015	7/13/2015	7/13/2015	7/13/2015	6/25/2015	6/25/2015	6/26/2015	6/25/2015	7/8/2015
					Parent Sample	MW-5 (0-2)-5071505										
Analyte	**Units**	**CAS No.**	**Unrestricted SCO**	**Commercial SCO**												
SSO_METALS	mg/kg															
Aluminum		7429-90-5	NE	NE		**5900**	**6500**	**690**	**10000**	**490**	**620**	**1200**	**1100**	**520**	**4500**	**1600**
Antimony		7440-36-0	NE	NE		0.86 U	0.86 U	0.89 U	0.85 U	0.83 U	0.85 U	0.82 U	0.82 U	0.84 U	0.84 U	0.81 U
Arsenic		7440-38-2	13	16		**2.6**	**2.5**	**0.5**	**2.6**	**0.32**	**0.21**	**0.32**	**0.43**	**0.37**	**1.6**	**0.87**
Barium		7440-39-3	350	400		**17**	**18**	11 U	**17**	10 U	11 U	10 U	10 U	11 U	11 U	10 U
Beryllium		7440-41-7	7.2	590		0.22 U	0.22 U	0.22 U	0.21 U	0.21 U	0.21 U	0.2 U	0.2 U	0.21 U	0.21 U	0.2 U
Cadmium		7440-43-9	2.5	9.3		0.43 U	0.43 U	0.44 U	0.43 U	0.42 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U
Calcium		7440-70-2	NE	NE		**8300**	**6500**	1100 U	1100 U	1000 U	1100 U	1000 U	1000 U	1100 U	**17000**	**4900**
Chromium, Hexavalent		18540-29-9	1	400		1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 U
Chromium, Total		7440-47-3	NE	NE		**10**	**9.6**	5.6 U	**12**	5.2 U	5.3 U	5.1 U	**8.5**	5.3 U	**11**	**8.5**
Cobalt		7440-48-4	NE	NE		2.7 U	2.7 U	2.8 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U	2.5 U
Copper		7440-50-8	50	270		**9.6**	**7.5**	**21**	**7.8**	5.2 U	5.3 U	5.1 U	**7**	**32**	**7.8**	5.1 U
Cyanide		57-12-5	27	27		0.26 U	0.26 U	0.27 U	0.26 U	0.25 U	0.26 U	0.24 U	0.24 U	0.25 U	0.25 U	0.24 U
Iron		7439-89-6	NE	NE		**9300**	**8100**	**1200**	**12000**	**1300**	**1600**	**2100**	**2000**	**1900**	**9700**	**2600**
Lead		7439-92-1	63	1000		**20**	**19**	**23**	**22**	5.2 U	5.3 U	5.1 U	5.1 U	**24**	**8.1**	5.1 U
Magnesium		7439-95-4	NE	NE		**4200**	**3200**	560 U	**930**	520 U	530 U	510 U	510 U	530 U	**9000**	**810**
Manganese		7439-96-5	1600	10000		**95**	**110**	11 U	**74**	**18**	11 U	**57 J**	**42**	11 U	**82**	**22**
Mercury		7439-97-6	0.18	2.8		0.09 U	0.09 U	0.093 U	0.089 U	0.087 U	0.089 U	0.085 U	0.085 U	0.088 U	0.088 U	0.084 U
Nickel		7440-02-0	30	310		**7**	5.4 U	5.6 U	5.3 U	5.2 U	5.3 U	5.1 U	5.1 U	5.3 U	5.3 U	5.1 U
Potassium		7440-09-7	NE	NE		540 U	540 U	560 U	530 U	520 U	530 U	510 U	510 U	530 U	530 U	510 U
Selenium		7782-49-2	3.9	1500		2.2 U	2.2 U	2.2 U	2.1 U	2.1 U	2.1 U	2 U	2 U	2.1 U	2.1 U	2 U
Silver		7440-22-4	2	1500		**0.65**	0.22 U	0.22 U	0.21 U	0.21 U	0.21 U	0.2 UJ	0.2 U	**0.5**	0.21 U	0.2 U
Sodium		7440-23-5	NE	NE		270 U	270 U	280 U	270 U	260 U	270 U	260 U	260 U	260 U	260 U	250 U
Thallium		7440-28-0	NE	NE		0.43 U	0.43 U	0.44 U	0.43 U	0.42 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U
Vanadium		7440-62-2	NE	NE		**12**	**12**	11 U	**18**	10 U	11 U	10 U	10 U	11 U	11 U	10 U
Zinc		7440-66-6	109	10000		**32**	**29**	11 U	**20**	**13**	11 U	10 U	10 U	11 U	**16**	10 U

Table 5-5
Summary of Soil Metal-Cyanide Anlytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	SB-03	SB-04	SB-04	SB-04	SW-01	SW-01	SW-02	SW-02	SW-02	SW-03	SW-04
					Sample Name	SB-3 (28-30)	SB-4 (0-2)	SB-4 (28-30)	SB-4 (5-10)	SW-1 (18-20)	SW-1 (28-30)	SW-2 (15-16)	SW-2 (28-30)	SW-3 (28-30)	SW-3 (8-9)	SW-4 (28-30)
					Sample Date	7/8/2015	7/7/2015	7/7/2015	7/7/2015	7/13/2015	7/13/2015	7/1/2015	7/1/2015	7/1/2015	7/1/2015	6/30/2015
					Parent Sample											
Analyte	**Units**	**CAS No.**	**Unrestricted SCO**	**Commercial SCO**												
SSO_METALS	mg/kg															
Aluminum		7429-90-5	NE	NE		**910**	**3100**	**740**	**840**	**2000**	**600**	**4600**	**490**	**430**	**2900**	**640**
Antimony		7440-36-0	NE	NE		0.85 U	0.83 U	0.82 U	0.81 U	1 U	0.9 U	1 U	0.93 U	0.86 U	1.2 U	0.87 U
Arsenic		7440-38-2	13	16		**0.56**	**1.3**	**0.5**	**0.34**	**1.2**	0.22 U	**2.7**	0.23 U	**0.37**	**2.4**	**0.3**
Barium		7440-39-3	350	400		11 U	10 U	10 U	10 U	**14**	11 U	**27**	12 U	11 U	**15**	11 U
Beryllium		7440-41-7	7.2	590		0.21 U	0.21 U	0.2 U	0.2 U	0.25 U	0.22 U	0.26 U	0.23 U	0.22 U	0.3 U	0.22 U
Cadmium		7440-43-9	2.5	9.3		0.43 U	0.42 U	0.41 U	0.4 U	0.51 U	0.45 U	0.51 U	0.47 U	0.43 U	0.6 U	0.43 U
Calcium		7440-70-2	NE	NE		1100 U	**8800 J**	1000 U	1000 U	**1700**	1100 U	**16000**	1200 U	1100 U	**2200**	1100 U
Chromium, Hexavalent		18540-29-9	1	400		1.1 U	1 U	1 U	1 U	1.3 U	1.1 U	1.3 U	1.2 U	1.1 U	1.5 U	1.1 U
Chromium, Total		7440-47-3	NE	NE		5.3 U	**13**	5.1 U	5.1 U	**8**	5.6 U	**13**	5.8 U	5.4 U	**8.6**	5.4 U
Cobalt		7440-48-4	NE	NE		2.7 U	2.6 U	2.6 U	2.5 U	3.2 U	2.8 U	**5.9**	2.9 U	2.7 U	3.7 U	2.7 U
Copper		7440-50-8	50	270		**35**	5.2 U	5.1 U	5.1 U	**63**	**13**	**110**	**18**	**18**	**120**	**14**
Cyanide		57-12-5	27	27		0.26 U	0.25 U	0.24 U	0.24 U	0.3 U	0.27 U	0.31 U	0.28 U	0.26 U	0.36 U	0.26 U
Iron		7439-89-6	NE	NE		**1800**	**4900**	**1600**	**1800**	**7400**	**840**	**13000**	**920**	**1100**	**6300**	**1700**
Lead		7439-92-1	63	1000		5.3 U	**21**	5.1 U	5.1 U	**12**	**21**	**21**	5.8 U	5.4 U	**28**	**16**
Magnesium		7439-95-4	NE	NE		530 U	**630**	510 U	510 U	**1100**	560 U	**5700**	580 U	540 U	**1700**	540 U
Manganese		7439-96-5	1600	10000		11 U	**53 J**	**60**	**14**	**48**	11 U	**110**	12 U	11 U	**40**	11 U
Mercury		7439-97-6	0.18	2.8		0.089 U	0.087 U	0.085 U	0.084 U	0.11 U	0.094 U	0.11 U	0.097 U	0.09 U	0.12 U	0.091 U
Nickel		7440-02-0	30	310		5.3 U	**6.7**	5.1 U	5.1 U	6.3 U	5.6 U	**13**	5.8 U	5.4 U	**7.6**	5.4 U
Potassium		7440-09-7	NE	NE		530 U	520 U	510 U	510 U	630 U	560 U	640 U	580 U	540 U	750 U	540 U
Selenium		7782-49-2	3.9	1500		2.1 U	2.1 U	2 U	2 U	2.5 U	2.2 U	2.6 U	2.3 U	2.2 U	3 U	2.2 U
Silver		7440-22-4	2	1500		0.21 U	0.21 U	0.2 U	0.2 U	0.25 U	0.22 U	0.26 U	0.23 U	0.22 U	**0.35**	0.22 U
Sodium		7440-23-5	NE	NE		270 U	260 U	260 U	250 U	320 U	280 U	**460**	290 U	270 U	370 U	270 U
Thallium		7440-28-0	NE	NE		0.43 U	0.42 U	0.41 U	0.4 U	0.51 U	0.45 U	0.51 U	0.47 U	0.43 U	0.6 U	0.43 U
Vanadium		7440-62-2	NE	NE		11 U	10 U	10 U	10 U	**16**	11 U	**48**	12 U	11 U	**23**	11 U
Zinc		7440-66-6	109	10000		11 U	**22 J**	10 U	10 U	**110**	11 U	**200**	12 U	11 U	**190**	11 U

Table 5-5
Summary of Soil Metal-Cyanide Anlytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	SW-04	SW-05	SW-05	SW-05	SW-05	SW-06	SW-06	SW-07	SW-07	SW-08	SW-08
					Sample Name	SW-4 (9-10)	SW-5 (19-21)	SW-5 (21-25)	SW-5 (28-30)	SW-5 (38-40)	SW-6 (10-11)	SW-6 (28-30)	SW-7 (10-11)	SW-7 (28-30)	SW-8 (10-11)	SW-8 (28-30)
					Sample Date	6/30/2015	7/9/2015	7/9/2015	7/9/2015	7/9/2015	6/30/2015	6/30/2015	6/30/2015	6/30/2015	7/1/2015	7/1/2015
					Parent Sample											
Analyte	**Units**	**CAS No.**	**Unrestricted SCO**	**Commercial SCO**												
SSO_METALS	mg/kg															
Aluminum		7429-90-5	NE	NE		**8400**	**7700**	**730**	**790**	**950**	**8600**	**1100**	**850**	**580**	**4400**	**500**
Antimony		7440-36-0	NE	NE		1.4 U	1.2 U	0.89 U	0.86 U	0.9 U	1.2 U	0.96 U	1 U	0.96 U	1.3 UJ	0.86 U
Arsenic		7440-38-2	13	16		**2**	**1.8**	**0.94**	**0.25**	**0.54**	**3.8**	**0.52**	**0.91**	**0.37**	**3.3**	**0.41**
Barium		7440-39-3	350	400		**44**	**52**	11 U	11 U	11 U	**42**	12 U	13 U	12 U	**33**	11 U
Beryllium		7440-41-7	7.2	590		0.34 U	0.3 U	0.22 U	0.22 U	0.22 U	0.3 U	0.24 U	**1.2**	0.24 U	0.33 U	0.22 U
Cadmium		7440-43-9	2.5	9.3		**1.3**	0.6 U	0.44 U	0.43 U	0.45 U	**1.4**	0.48 U	0.51 U	0.48 U	**1.6**	0.43 U
Calcium		7440-70-2	NE	NE		**2700**	**43000**	1100 U	1100 U	1100 U	**5000**	1200 U	1300 U	1200 U	**5400 J**	1100 U
Chromium, Hexavalent		18540-29-9	1	400		1.7 U	1.5 U	1.1 U	1.1 U	1.1 U	1.5 U	1.2 U	1.3 U	1.2 U	1.7 U	1.1 U
Chromium, Total		7440-47-3	NE	NE		**32**	**35**	5.6 U	5.4 U	5.6 U	**26**	6 U	6.4 U	6 U	**15**	5.4 U
Cobalt		7440-48-4	NE	NE		**4.7**	**4**	2.8 U	2.7 U	2.8 U	**4.5**	3 U	3.2 U	3 U	4.2 U	2.7 U
Copper		7440-50-8	50	270		**340**	**300**	**6.9**	**20**	**120**	**360**	**34**	**28**	6 U	**72**	**5.7**
Cyanide		57-12-5	27	27		**0.63**	0.36 U	**0.44**	0.26 U	0.27 U	0.36 U	0.29 U	0.31 U	0.29 U	**0.58 J**	0.26 U
Iron		7439-89-6	NE	NE		**7800**	**16000**	**3400**	**1300**	**2300**	**11000**	**3300**	**2200**	**1700**	**7200 J**	**1400**
Lead		7439-92-1	63	1000		**110**	**100**	**16**	**23**	**39**	**110**	6 U	**8.4**	6 U	**40**	5.4 U
Magnesium		7439-95-4	NE	NE		**1600**	**24000**	560 U	540 U	560 U	**3700**	600 U	640 U	600 U	**3100**	540 U
Manganese		7439-96-5	1600	10000		**56**	**140**	**29**	11 U	11 U	**70**	**14**	**15**	**42**	**82**	**23**
Mercury		7439-97-6	0.18	2.8		**0.23**	0.12 U	0.093 U	0.09 U	0.094 U	**0.36**	0.1 U	0.11 U	0.1 U	**0.15**	0.09 U
Nickel		7440-02-0	30	310		**23**	**22**	5.6 U	5.4 U	**6.1**	**21**	6 U	6.4 U	6 U	**10**	5.4 U
Potassium		7440-09-7	NE	NE		860 U	750 U	560 U	540 U	560 U	760 U	600 U	640 U	600 U	830 U	540 U
Selenium		7782-49-2	3.9	1500		3.4 U	3 U	2.2 U	2.2 U	2.2 U	3 U	2.4 U	2.6 U	2.4 U	3.3 U	2.2 U
Silver		7440-22-4	2	1500		**0.44**	0.3 U	0.22 U	0.22 U	**1.5**	**0.35**	0.24 U	0.26 U	0.24 U	0.33 U	0.22 U
Sodium		7440-23-5	NE	NE		430 U	370 U	280 U	270 U	280 U	380 U	300 U	320 U	300 U	420 U	270 U
Thallium		7440-28-0	NE	NE		0.69 U	0.6 U	0.44 U	0.43 U	0.45 U	0.61 U	0.48 U	0.51 U	0.48 U	0.67 U	0.43 U
Vanadium		7440-62-2	NE	NE		**37**	**63**	11 U	11 U	11 U	**45**	12 U	13 U	12 U	**20**	11 U
Zinc		7440-66-6	109	10000		**710**	**420**	11 U	11 U	11 U	**420**	12 U	**34**	12 U	**200**	11 U

Table 5-5
Summary of Soil Metal-Cyanide Anlytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	**SW-09**	**SW-09**	**SW-09**	**SW-10**	**SW-10**
					Sample Name	**2015_07-01 DUP**	**SW-9 (12-13)**	**SW-9 (28-30)**	**SW-10 (12-14)**	**SW-10 (28-30)**
					Sample Date	**7/1/2015**	**7/1/2015**	**7/1/2015**	**7/9/2015**	**7/9/2015**
					Parent Sample	**SW-9 (12-13)-5070208**				
Analyte	**Units**	**CAS No.**	**Unrestricted SCO**	**Commercial SCO**						
SSO_METALS	mg/kg									
Aluminum		7429-90-5	NE	NE		**2800**	**3200**	**590**	**4400**	**760 J-**
Antimony		7440-36-0	NE	NE		0.93 U	0.95 U	0.86 U	**1.7**	0.86 U
Arsenic		7440-38-2	13	16		**0.64**	**0.82**	**0.3**	**10**	**0.45**
Barium		7440-39-3	350	400		12 U	12 U	11 U	**15**	11 U
Beryllium		7440-41-7	7.2	590		0.23 U	0.24 U	0.22 U	0.25 U	0.22 U
Cadmium		7440-43-9	2.5	9.3		0.47 U	0.48 U	0.43 U	0.49 U	0.43 U
Calcium		7440-70-2	NE	NE		**1500 J**	**6200 J**	1100 U	**6800**	1100 U
Chromium, Hexavalent		18540-29-9	1	400		1.2 U	1.2 U	1.1 U	1.2 U	1.1 U
Chromium, Total		7440-47-3	NE	NE		**14 J**	**22 J**	5.4 U	**17**	5.4 U
Cobalt		7440-48-4	NE	NE		2.9 U	3 U	2.7 U	3.1 U	2.7 U
Copper		7440-50-8	50	270		**44**	**41**	5.4 U	**350**	**26 J-**
Cyanide		57-12-5	27	27		0.28 U	0.29 U	0.26 U	0.3 U	0.26 U
Iron		7439-89-6	NE	NE		**21000**	**29000**	**1700**	**17000**	**1900 J**
Lead		7439-92-1	63	1000		**7.6**	**7.6**	5.4 U	**120**	**19**
Magnesium		7439-95-4	NE	NE		**1600**	**1500**	540 U	**4200**	540 U
Manganese		7439-96-5	1600	10000		**81 J**	**160 J**	**39**	**86**	11 U
Mercury		7439-97-6	0.18	2.8		0.097 U	0.099 U	0.09 U	**0.2**	0.09 U
Nickel		7440-02-0	30	310		5.8 U	**9.1**	5.4 U	**18**	5.4 U
Potassium		7440-09-7	NE	NE		580 U	600 U	540 U	620 U	540 U
Selenium		7782-49-2	3.9	1500		2.3 U	2.4 U	2.2 U	2.5 U	2.2 U
Silver		7440-22-4	2	1500		0.23 U	0.24 U	0.22 U	**1.1**	0.22 U
Sodium		7440-23-5	NE	NE		290 UJ	**1400 J**	270 U	310 U	270 U
Thallium		7440-28-0	NE	NE		0.47 U	0.48 U	0.43 U	0.49 U	0.43 U
Vanadium		7440-62-2	NE	NE		**31**	**37**	11 U	**27**	11 U
Zinc		7440-66-6	109	10000		**56**	**60**	11 U	**130**	11 U

Table 5-5
Summary of Soil Metal-Cyanide Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

Notes:

Analytes in blue are not detected in any sample
mg/kg = milligrams/kilogram or parts per million (ppm)
ug/kg = micrograms/kilogram or parts per billion (ppb)
mg/l - milligrams/liter or parts be million (ppm)
su = standard units

PCB = Polychlorinated Biphenyl
SVOC = Semi-Volatile Organic Compound
TCLP = Toxicity Characteristic Leaching Procedure
VOC = Volatile Organic Compound

Total VOCs and Total SVOCs are calculated using detects only.
6 NYCRR = New York State Register and Official Compilation of Codes, Rules and Regulations of the State of New York
Comparison of detected results are performed against one or more of the following NYCRR, Chapter IV, Part 375-6 Soil Cleanup Objectives (SCO)s: Unrestricted Use, Residential, Restricted-Residential, Commercial, Industrial, Protection of Ecological Resources, or Protection of Groundwater

CAS No. = Chemical Abstracts Service Number
ND = Not Detected
NE = Not Established
TIC = Tentatively Identified Compound

Bolding indicates a detected result concentration
Shading and bolding indicates that the detected concentration is above the NYSDEC guidance it was compared to
Gray shading and bolding indicates that the detected result value exceeds the Unrestricted SCO
Yellow shading and bolding indicates that the detected result value exceeds both Unrestricted SCO and the Commercial SCO

Data Qualifiers:
A = Indicates Tentatively Identified Compounds that are suspected to be Aldol Condensation Products.
B = Indicates the analyte is detected in the associated blank as well as in the sample
J- = The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
J = The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
NJ = The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as potential false positive and/or elevated quantitative value.
R = The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.
U = The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
UJ = The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
Y = Indicates a contaminant found in the blank at less than 10% of the concentration of a contaminant found in the sample.

Table 5-6
Summary of TCLP - Volatile Organic Compound and Metal Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

Location Name				LP-03	LP-06	LP-08	LP-11	LP-17	LP-18	LP-25	SB-02	SW-05	SW-05	SW-05	SW-05
Sample Name				LP-3 (5'-7')	LP-6 (5'-10')	LP-8 (5'-10')	LP-11 (5-10)	LP-17 (5-10)	LP-18 (5-10)	LP-25 (5-10)	SB-2 (5'-10')	SW-5 (19-21)	SW-5 (21-25)	SW-5 (28-30)	SW-5 (38-40)
Sample Date				6/24/2015	6/23/2015	6/22/2015	6/29/2015	7/8/2015	7/8/2015	6/30/2015	6/25/2015	7/9/2015	7/9/2015	7/9/2015	7/9/2015
Parent Sample															
Analyte	Units	Regulatory Level (mg/l)	CAS No.												
SSO_TCLP	mg/l														
1,1-Dichloroethene		0.7	75-35-4	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane		0.5	107-06-2	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 UJ	0.0005 U	0.0005 U	0.0005 U
1,4-Dichlorobenzene		7.5	106-46-7	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U
Arsenic		5.0	7440-38-2	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Barium		100	7440-39-3	**0.29**	**0.3**	0.25 U	**0.29**	0.25 U	0.25 U	0.25 U	0.25 U	**0.27**	0.25 U	0.25 U	0.25 U
Benzene		0.5	71-43-2	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 UJ	0.0005 U	0.0005 U	0.0005 U
Cadmium		1.0	7440-43-9	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Carbon Tetrachloride		0.5	56-23-5	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U
Chlorobenzene		100	108-90-7	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	**0.0024 NJ**	**0.0017 NJ**	**0.002 NJ**
Chloroform		6.0	67-66-3	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U
Chromium, Total		5.0	7440-47-3	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Lead		5.0	7439-92-1	0.05 U	0.05 U	**1**	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	**0.13**	0.05 U	**0.07**	**0.085**
Mercury		0.2	7439-97-6	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U
Methyl Ethyl Ketone (2-Butanone)		200	78-93-3	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U
Nickel		NE	7440-02-0	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Selenium		1.0	7782-49-2	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Silver		5.0	7440-22-4	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Tetrachloroethylene (PCE)		0.7	127-18-4	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U
Trichloroethylene (TCE)		0.5	79-01-6	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U
Vinyl Chloride		0.2	75-01-4	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U

Table 5-6
Summary of TCLP- Volatile Organic and Metal Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

Notes:

Analytes in blue are not detected in any sample
mg/kg = milligrams/kilogram or parts per million (ppm)
ug/kg = micrograms/kilogram or parts per billion (ppb)
mg/l - milligrams/liter or parts be million (ppm)
su = standard units

PCB = Polychlorinated Biphenyl
SVOC = Semi-Volatile Organic Compound
TCLP = Toxicity Characteristic Leaching Procedure
VOC = Volatile Organic Compound

Total VOCs and Total SVOCs are calculated using detects only.
6 NYCRR = New York State Register and Official Compilation of Codes, Rules and Regulations of the State of New York
Comparison of detected results are performed against one or more of the following NYCRR, Chapter IV, Part 375-6 Soil Cleanup Objectives (SCO)s: Unrestricted Use, Residential, Restricted-Residential, Commercial, Industrial, Protection of Ecological Resources, or Protection of Groundwater

CAS No. = Chemical Abstracts Service Number
ND = Not Detected
NE = Not Established
TIC = Tentatively Identified Compound

Bolding indicates a detected result concentration
Shading and bolding indicates that the detected concentration is above the NYSDEC guidance it was compared to
Gray shading and bolding indicates that the detected result value exceeds the Unrestricted SCO
Yellow shading and bolding indicates that the detected result value exceeds both Unrestricted SCO and the Commercial SCO

Data Qualifiers:
A = Indicates Tentatively Identified Compounds that are suspected to be Aldol Condensation Products.
B = Indicates the analyte is detected in the associated blank as well as in the sample
J- = The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
J = The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
NJ = The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as potential false positive and/or elevated quantitative value.
R = The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.
U = The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
UJ = The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
Y = Indicates a contaminant found in the blank at less than 10% of the concentration of a contaminant found in the sample.

Table 5-7
Summary of Groundwater Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

				Location Name	MW-01S	MW-01S	MW-01S	MW-01S	MW-01S	MW-01S	MW-01S	MW-01S	MW-02	MW-02	MW-02
				Sample Name	GWP-1 (35)	GWP-1 (40)	2015-07-20 Dup	GWP-1 (45)	GWP-1 (50)	GWP-1 (55)	GWP-1 (60)	GWP-1 (65)	GWP-2 (35)	GWP-2 (40)	GWP-2 (45)
				Start Depth	33	38	38	43	48	53	58	63	33	38	43
				End Depth	37	42	42	47	52	57	62	67	37	42	47
				Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
				Sample Date	7/20/2015	7/20/2015	7/20/2015	7/20/2015	7/20/2015	7/20/2015	7/20/2015	7/20/2015	7/16/2015	7/16/2015	7/16/2015
				Parent Sample			GWP-1 (40)								
Analyte	Result Type	Units	CAS No.	NYS AWQS											
SSO_VOC		ug/L													
1,1,1-Trichloroethane	TRG		71-55-6	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	TRG		79-34-5	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	TRG		76-13-1	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	TRG		79-00-5	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	TRG		75-34-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	TRG		75-35-4	0.07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	TRG		87-61-6	5	1 UJ	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	TRG		120-82-1	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane	TRG		96-12-8	0.04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane (Ethylene Dibromide)	TRG		106-93-4	0.0006	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	TRG		95-50-1	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	TRG		107-06-2	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	TRG		78-87-5	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	TRG		541-73-1	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	TRG		106-46-7	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dioxane (P-Dioxane)	TRG		123-91-1	NE	50 R	50 R	50 R	50 R	50 R	50 R	50 R	50 R	50 R	50 R	50 R
2-Hexanone	TRG		591-78-6	50*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Acetone	TRG		67-64-1	50*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	TRG		71-43-2	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	TRG		74-97-5	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	TRG		75-27-4	50*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	TRG		75-25-2	50*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	TRG		74-83-9	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ	1 UJ
Carbon Disulfide	TRG		75-15-0	60*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	TRG		56-23-5	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	TRG		108-90-7	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	TRG		75-00-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	TRG		67-66-3	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	TRG		74-87-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	TRG		156-59-2	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cis-1,3-Dichloropropene	TRG		10061-01-5	0.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cyclohexane	TRG		110-82-7	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	TRG		124-48-1	50*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	TRG		75-71-8	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ

Table 5-7
Summary of Groundwater Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

				Location Name	MW-01S	MW-01S	MW-01S	MW-01S	MW-01S	MW-01S	MW-01S	MW-01S	MW-02	MW-02	MW-02
				Sample Name	GWP-1 (35)	GWP-1 (40)	2015-07-20 Dup	GWP-1 (45)	GWP-1 (50)	GWP-1 (55)	GWP-1 (60)	GWP-1 (65)	GWP-2 (35)	GWP-2 (40)	GWP-2 (45)
				Start Depth	33	38	38	43	48	53	58	63	33	38	43
				End Depth	37	42	42	47	52	57	62	67	37	42	47
				Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
				Sample Date	7/20/2015	7/20/2015	7/20/2015	7/20/2015	7/20/2015	7/20/2015	7/20/2015	7/20/2015	7/16/2015	7/16/2015	7/16/2015
				Parent Sample			GWP-1 (40)								
Analyte	Result Type	Units	CAS No.	NYS AWQS											
Ethylbenzene	TRG		100-41-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	TRG		98-82-8	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl Acetate	TRG		79-20-9	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl Ethyl Ketone (2-Butanone)	TRG		78-93-3	50*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	TRG		108-10-1	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylcyclohexane	TRG		108-87-2	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	TRG		75-09-2	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
M-P-Xylene	TRG		136777-61-2	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
O-Xylene (1,2-Dimethylbenzene)	TRG		95-47-6	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	TRG		100-42-5	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tert-Butyl Methyl Ether	TRG		1634-04-4	10*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethylene (PCE)	TRG		127-18-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	TRG		108-88-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	TRG		156-60-5	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trans-1,3-Dichloropropene	TRG		10061-02-6	0.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	TRG		79-01-6	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	TRG		75-69-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	TRG		75-01-4	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes	TRG		1330-20-7	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total VOCs	TRG		TVOC	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Unknown With 1st Highest Conc.	TIC		UNKNOWN1	NE											

Table 5-7
Summary of Groundwater Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

				Location Name	MW-02	MW-02	MW-02	MW-02	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03
				Sample Name	GWP-2 (50)	GWP-2 (55)	GWP-2 (60)	GWP-2 (65)	GWP-3 (35)	GWP-3 (40)	GWP-3 (45)	GWP-3 (50)	2015_07-17 DUP	GWP-3 (55)	GWP-3 (60)
				Start Depth	48	53	58	63	33	38	43	48	48	53	58
				End Depth	52	57	62	67	37	42	47	52	52	57	62
				Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
				Sample Date	7/14/2015	7/14/2015	7/14/2015	7/14/2015	7/17/2015	7/17/2015	7/17/2015	7/17/2015	7/17/2015	7/16/2015	7/16/2015
				Parent Sample									GWP-3 (50)		
Analyte	Result Type	Units	CAS No.	NYS AWQS											
SSO_VOC		ug/L													
1,1,1-Trichloroethane	TRG		71-55-6	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	TRG		79-34-5	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	TRG		76-13-1	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	TRG		79-00-5	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	TRG		75-34-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	TRG		75-35-4	0.07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	TRG		87-61-6	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	TRG		120-82-1	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane	TRG		96-12-8	0.04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane (Ethylene Dibromide)	TRG		106-93-4	0.0006	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	TRG		95-50-1	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	TRG		107-06-2	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	TRG		78-87-5	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	TRG		541-73-1	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	TRG		106-46-7	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dioxane (P-Dioxane)	TRG		123-91-1	NE	50 R	50 R	50 R	50 R	50 R	50 R	50 R	50 R	50 R	50 R	50 R
2-Hexanone	TRG		591-78-6	50*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Acetone	TRG		67-64-1	50*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	TRG		71-43-2	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	TRG		74-97-5	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	TRG		75-27-4	50*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	TRG		75-25-2	50*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	TRG		74-83-9	5	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	TRG		75-15-0	60*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	TRG		56-23-5	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	TRG		108-90-7	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	TRG		75-00-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	TRG		67-66-3	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	TRG		74-87-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	TRG		156-59-2	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cis-1,3-Dichloropropene	TRG		10061-01-5	0.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cyclohexane	TRG		110-82-7	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	TRG		124-48-1	50*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	TRG		75-71-8	5	1 U	1 U	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ

Table 5-7
Summary of Groundwater Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

				Location Name	MW-02	MW-02	MW-02	MW-02	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03
				Sample Name	GWP-2 (50)	GWP-2 (55)	GWP-2 (60)	GWP-2 (65)	GWP-3 (35)	GWP-3 (40)	GWP-3 (45)	GWP-3 (50)	2015_07-17 DUP	GWP-3 (55)	GWP-3 (60)
				Start Depth	48	53	58	63	33	38	43	48	48	53	58
				End Depth	52	57	62	67	37	42	47	52	52	57	62
				Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
				Sample Date	7/14/2015	7/14/2015	7/14/2015	7/14/2015	7/17/2015	7/17/2015	7/17/2015	7/17/2015	7/17/2015	7/16/2015	7/16/2015
				Parent Sample									GWP-3 (50)		
Analyte	Result Type	Units	CAS No.	NYS AWQS											
Ethylbenzene	TRG		100-41-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	TRG		98-82-8	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl Acetate	TRG		79-20-9	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl Ethyl Ketone (2-Butanone)	TRG		78-93-3	50*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	TRG		108-10-1	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylcyclohexane	TRG		108-87-2	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	TRG		75-09-2	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
M-P-Xylene	TRG		136777-61-2	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
O-Xylene (1,2-Dimethylbenzene)	TRG		95-47-6	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	TRG		100-42-5	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tert-Butyl Methyl Ether	TRG		1634-04-4	10*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethylene (PCE)	TRG		127-18-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	TRG		108-88-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	TRG		156-60-5	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trans-1,3-Dichloropropene	TRG		10061-02-6	0.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	TRG		79-01-6	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	TRG		75-69-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	TRG		75-01-4	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes	TRG		1330-20-7	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total VOCs	TRG		TVOC	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Unknown With 1st Highest Conc.	TIC		UNKNOWN1	NE											

Table 5-7
Summary of Groundwater Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

Analyte	Result Type	Units	CAS No.	NYS AWQS	MW-03 GWP-3 (65) 63 67 ft 7/16/2015	MW-04 GWP-4 (35) 33 37 ft 7/23/2015	MW-04 GWP-4 (40) 38 42 ft 7/23/2015	MW-04 2015-07-23 DUP 38 42 ft 7/23/2015 GWP-4 (40)	MW-04 GWP-4 (45) 43 47 ft 7/23/2015	MW-04 GWP-4 (50) 48 52 ft 7/23/2015	MW-04 GWP-4 (55) 53 57 ft 7/23/2015	MW-04 GWP-4 (60) 58 62 ft 7/23/2015	MW-04 GWP-4 (65) 63 67 ft 7/23/2015	MW-05 GWP-5 (35) 33 37 ft 7/21/2015	MW-05 2015-07-21 DUP 33 37 ft 7/21/2015 GWP-5 (35)
SSO_VOC		ug/L													
1,1,1-Trichloroethane	TRG		71-55-6	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**900**	**990**
1,1,2,2-Tetrachloroethane	TRG		79-34-5	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	TRG		76-13-1	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
1,1,2-Trichloroethane	TRG		79-00-5	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
1,1-Dichloroethane	TRG		75-34-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**44**	**38**
1,1-Dichloroethene	TRG		75-35-4	0.07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
1,2,3-Trichlorobenzene	TRG		87-61-6	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
1,2,4-Trichlorobenzene	TRG		120-82-1	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
1,2-Dibromo-3-Chloropropane	TRG		96-12-8	0.04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
1,2-Dibromoethane (Ethylene Dibromide)	TRG		106-93-4	0.0006	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
1,2-Dichlorobenzene	TRG		95-50-1	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
1,2-Dichloroethane	TRG		107-06-2	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U
1,2-Dichloropropane	TRG		78-87-5	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
1,3-Dichlorobenzene	TRG		541-73-1	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
1,4-Dichlorobenzene	TRG		106-46-7	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
1,4-Dioxane (P-Dioxane)	TRG		123-91-1	NE	50 R	50 R	50 R	50 R	50 R	50 R	50 R	50 R	50 R	250 R	250 R
2-Hexanone	TRG		591-78-6	50*	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	5 UJ	5 UJ
Acetone	TRG		67-64-1	50*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U	25 U
Benzene	TRG		71-43-2	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U
Bromochloromethane	TRG		74-97-5	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Bromodichloromethane	TRG		75-27-4	50*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Bromoform	TRG		75-25-2	50*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Bromomethane	TRG		74-83-9	5	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Carbon Disulfide	TRG		75-15-0	60*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Carbon Tetrachloride	TRG		56-23-5	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Chlorobenzene	TRG		108-90-7	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Chloroethane	TRG		75-00-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Chloroform	TRG		67-66-3	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Chloromethane	TRG		74-87-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Cis-1,2-Dichloroethylene	TRG		156-59-2	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Cis-1,3-Dichloropropene	TRG		10061-01-5	0.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Cyclohexane	TRG		110-82-7	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Dibromochloromethane	TRG		124-48-1	50*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Dichlorodifluoromethane	TRG		75-71-8	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U

Table 5-7
Summary of Groundwater Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

				Location Name	MW-03	MW-04	MW-04	MW-04	MW-04	MW-04	MW-04	MW-04	MW-04	MW-05	MW-05
				Sample Name	GWP-3 (65)	GWP-4 (35)	GWP-4 (40)	2015-07-23 DUP	GWP-4 (45)	GWP-4 (50)	GWP-4 (55)	GWP-4 (60)	GWP-4 (65)	GWP-5 (35)	2015-07-21 DUP
				Start Depth	63	33	38	38	43	48	53	58	63	33	33
				End Depth	67	37	42	42	47	52	57	62	67	37	37
				Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
				Sample Date	7/16/2015	7/23/2015	7/23/2015	7/23/2015	7/23/2015	7/23/2015	7/23/2015	7/23/2015	7/23/2015	7/21/2015	7/21/2015
				Parent Sample				GWP-4 (40)							GWP-5 (35)
Analyte	Result Type	Units	CAS No.	NYS AWQS											
Ethylbenzene	TRG		100-41-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Isopropylbenzene (Cumene)	TRG		98-82-8	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Methyl Acetate	TRG		79-20-9	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Methyl Ethyl Ketone (2-Butanone)	TRG		78-93-3	50*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	TRG		108-10-1	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Methylcyclohexane	TRG		108-87-2	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Methylene Chloride	TRG		75-09-2	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
M-P-Xylene	TRG		136777-61-2	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
O-Xylene (1,2-Dimethylbenzene)	TRG		95-47-6	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Styrene	TRG		100-42-5	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Tert-Butyl Methyl Ether	TRG		1634-04-4	10*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	TRG		127-18-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Toluene	TRG		108-88-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Trans-1,2-Dichloroethene	TRG		156-60-5	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Trans-1,3-Dichloropropene	TRG		10061-02-6	0.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Trichloroethylene (TCE)	TRG		79-01-6	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Trichlorofluoromethane	TRG		75-69-4	5	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	5 U	5 U
Vinyl Chloride	TRG		75-01-4	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Xylenes	TRG		1330-20-7	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Total VOCs	TRG		TVOC	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	**944**	**1028**
Unknown With 1st Highest Conc.	TIC		UNKNOWN1	NE											

Table 5-7
Summary of Groundwater Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

				Location Name	MW-05	MW-05	MW-05	MW-05	MW-05	MW-05	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06
				Sample Name	GWP-5 (40)	GWP-5 (45)	GWP-5 (50)	GWP-5 (55)	GWP-5 (60)	GWP-5 (65)	GWP-6 (35)	GWP-6 (40)	GWP-6 (45)	GWP-6 (50)	GWP-6 (55)	GWP-6 (60)
				Start Depth	38	43	48	53	58	63	33	38	43	48	53	58
				End Depth	42	47	52	57	62	67	37	42	47	52	57	62
				Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
				Sample Date	7/21/2015	7/21/2015	7/22/2015	7/22/2015	7/22/2015	7/22/2015	7/21/2015	7/21/2015	7/22/2015	7/22/2015	7/22/2015	7/22/2015
				Parent Sample												
Analyte	Result Type	Units	CAS No.	NYS AWQS												
SSO_VOC		ug/L														
1,1,1-Trichloroethane	TRG		71-55-6	5	**4.9**	**7.4**	**2.8**	**2.9**	**1.5**	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	TRG		79-34-5	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	TRG		76-13-1	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	TRG		79-00-5	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	TRG		75-34-3	5	**1.2**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	TRG		75-35-4	0.07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	TRG		87-61-6	5	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 U	1 UJ	1 UJ	1 U	1 U
1,2,4-Trichlorobenzene	TRG		120-82-1	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane	TRG		96-12-8	0.04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane (Ethylene Dibromide)	TRG		106-93-4	0.0006	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	TRG		95-50-1	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	TRG		107-06-2	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	TRG		78-87-5	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	TRG		541-73-1	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	TRG		106-46-7	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dioxane (P-Dioxane)	TRG		123-91-1	NE	50 R	50 R	50 R	50 R	50 R	50 R	50 R	50 R	50 R	50 R	50 R	50 R
2-Hexanone	TRG		591-78-6	50*	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 UJ	1 UJ
Acetone	TRG		67-64-1	50*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	TRG		71-43-2	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	TRG		74-97-5	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	TRG		75-27-4	50*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	TRG		75-25-2	50*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	TRG		74-83-9	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	TRG		75-15-0	60*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	TRG		56-23-5	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	TRG		108-90-7	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	TRG		75-00-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	TRG		67-66-3	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**1.3**	1 U	1 U
Chloromethane	TRG		74-87-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	TRG		156-59-2	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cis-1,3-Dichloropropene	TRG		10061-01-5	0.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cyclohexane	TRG		110-82-7	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	TRG		124-48-1	50*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	TRG		75-71-8	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Table 5-7
Summary of Groundwater Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

				Location Name	MW-05	MW-05	MW-05	MW-05	MW-05	MW-05	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06
				Sample Name	GWP-5 (40)	GWP-5 (45)	GWP-5 (50)	GWP-5 (55)	GWP-5 (60)	GWP-5 (65)	GWP-6 (35)	GWP-6 (40)	GWP-6 (45)	GWP-6 (50)	GWP-6 (55)	GWP-6 (60)
				Start Depth	38	43	48	53	58	63	33	38	43	48	53	58
				End Depth	42	47	52	57	62	67	37	42	47	52	57	62
				Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
				Sample Date	7/21/2015	7/21/2015	7/22/2015	7/22/2015	7/22/2015	7/22/2015	7/21/2015	7/21/2015	7/22/2015	7/22/2015	7/22/2015	7/22/2015
				Parent Sample												
Analyte	Result Type	Units	CAS No.	NYS AWQS												
Ethylbenzene	TRG		100-41-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	TRG		98-82-8	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl Acetate	TRG		79-20-9	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl Ethyl Ketone (2-Butanone)	TRG		78-93-3	50*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	TRG		108-10-1	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylcyclohexane	TRG		108-87-2	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	TRG		75-09-2	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
M-P-Xylene	TRG		136777-61-2	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
O-Xylene (1,2-Dimethylbenzene)	TRG		95-47-6	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	TRG		100-42-5	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tert-Butyl Methyl Ether	TRG		1634-04-4	10*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethylene (PCE)	TRG		127-18-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	TRG		108-88-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	TRG		156-60-5	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trans-1,3-Dichloropropene	TRG		10061-02-6	0.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	TRG		79-01-6	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	TRG		75-69-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	TRG		75-01-4	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes	TRG		1330-20-7	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total VOCs	TRG		TVOC	NE	**6.1**	**7.4**	**2.8**	**2.9**	**1.5**	ND	ND	ND	ND	**1.3**	ND	ND
Unknown With 1st Highest Conc.	TIC		UNKNOWN1	NE							**6.7 J**	**6 J**				

Table 5-7
Summary of Groundwater Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

				Location Name	MW-06	MW-01S	MW-01D	MW-02	MW-03	MW-05S	MW-05D	MW-05D	MW-06
				Sample Name	GWP-6 (65)	MW-1S	MW-1D	MW-2	MW-3	MW-5S	MW-5D	2015_08_19-DUP	MW-6
				Start Depth	63	28	40	40	40	28	40	40	28
				End Depth	67	38	45	45	45	38	45	45	38
				Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
				Sample Date	7/22/2015	8/18/2015	8/18/2015	8/20/2015	8/20/2015	8/19/2015	8/19/2015	8/19/2015	8/20/2015
				Parent Sample								MW-5D	
Analyte	Result Type	Units	CAS No.	NYS AWQS									
SSO_VOC		ug/L											
1,1,1-Trichloroethane	TRG		71-55-6	5	1 U	**2.2**	1 U	1 U	1 U	**1600**	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	TRG		79-34-5	5	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	TRG		76-13-1	5	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U
1,1,2-Trichloroethane	TRG		79-00-5	1	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U
1,1-Dichloroethane	TRG		75-34-3	5	1 U	1 U	1 U	1 U	1 U	**250**	1 U	1 U	1 U
1,1-Dichloroethene	TRG		75-35-4	0.07	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	TRG		87-61-6	5	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	TRG		120-82-1	5	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane	TRG		96-12-8	0.04	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U
1,2-Dibromoethane (Ethylene Dibromide)	TRG		106-93-4	0.0006	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U
1,2-Dichlorobenzene	TRG		95-50-1	3	1 U	1 UJ	1 U	1 U	1 U	10 U	1 UJ	1 U	1 U
1,2-Dichloroethane	TRG		107-06-2	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	TRG		78-87-5	1	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U
1,3-Dichlorobenzene	TRG		541-73-1	3	1 U	1 UJ	1 U	1 U	1 U	10 U	1 UJ	1 U	1 U
1,4-Dichlorobenzene	TRG		106-46-7	3	1 U	1 UJ	1 U	1 U	1 U	10 U	1 UJ	1 U	1 U
1,4-Dioxane (P-Dioxane)	TRG		123-91-1	NE	50 R	50 R	50 R	50 R	50 R	500 R	50 R	50 R	50 R
2-Hexanone	TRG		591-78-6	50*	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	10 UJ	1 UJ	1 UJ	1 UJ
Acetone	TRG		67-64-1	50*	5 U	5 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U
Benzene	TRG		71-43-2	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	TRG		74-97-5	5	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U
Bromodichloromethane	TRG		75-27-4	50*	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U
Bromoform	TRG		75-25-2	50*	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U
Bromomethane	TRG		74-83-9	5	1 U	1 U	1 U	1 UJ	1 UJ	10 U	1 U	1 U	1 UJ
Carbon Disulfide	TRG		75-15-0	60*	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U
Carbon Tetrachloride	TRG		56-23-5	5	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U
Chlorobenzene	TRG		108-90-7	5	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U
Chloroethane	TRG		75-00-3	5	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U
Chloroform	TRG		67-66-3	7	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U
Chloromethane	TRG		74-87-3	5	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	TRG		156-59-2	5	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U
Cis-1,3-Dichloropropene	TRG		10061-01-5	0.4	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U
Cyclohexane	TRG		110-82-7	NE	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U
Dibromochloromethane	TRG		124-48-1	50*	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U
Dichlorodifluoromethane	TRG		75-71-8	5	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U

Table 5-7
Summary of Groundwater Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

				Location Name	MW-06	MW-01S	MW-01D	MW-02	MW-03	MW-05S	MW-05D	MW-05D	MW-06
				Sample Name	GWP-6 (65)	MW-1S	MW-1D	MW-2	MW-3	MW-5S	MW-5D	2015_08_19-DUP	MW-6
				Start Depth	63	28	40	40	40	28	40	40	28
				End Depth	67	38	45	45	45	38	45	45	38
				Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
				Sample Date	7/22/2015	8/18/2015	8/18/2015	8/20/2015	8/20/2015	8/19/2015	8/19/2015	8/19/2015	8/20/2015
				Parent Sample								MW-5D	
Analyte	Result Type	Units	CAS No.	NYS AWQS									
Ethylbenzene	TRG		100-41-4	5	1 U	1 U	1 U	1 UJ	1 UJ	10 U	1 U	1 U	1 UJ
Isopropylbenzene (Cumene)	TRG		98-82-8	5	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U
Methyl Acetate	TRG		79-20-9	NE	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U
Methyl Ethyl Ketone (2-Butanone)	TRG		78-93-3	50*	1 U	1 UJ	1 UJ	1 U	1 U	10 U	1 U	1 U	1 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	TRG		108-10-1	NE	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U
Methylcyclohexane	TRG		108-87-2	NE	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U
Methylene Chloride	TRG		75-09-2	5	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U
M-P-Xylene	TRG		136777-61-2	NE	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U
O-Xylene (1,2-Dimethylbenzene)	TRG		95-47-6	5	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U
Styrene	TRG		100-42-5	5	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U
Tert-Butyl Methyl Ether	TRG		1634-04-4	10*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethylene (PCE)	TRG		127-18-4	5	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U
Toluene	TRG		108-88-3	5	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	TRG		156-60-5	5	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U
Trans-1,3-Dichloropropene	TRG		10061-02-6	0.4	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U
Trichloroethylene (TCE)	TRG		79-01-6	5	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U
Trichlorofluoromethane	TRG		75-69-4	5	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U
Vinyl Chloride	TRG		75-01-4	2	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U
Xylenes	TRG		1330-20-7	5	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U
Total VOCs	TRG		TVOC	NE	ND	**2.2**	ND	ND	ND	**1850**	ND	ND	ND
Unknown With 1st Highest Conc.	TIC		UNKNOWN1	NE									**3.5 J**

Table 5-7
Summary of Groundwater Volatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

Notes:

Analytes in blue are not detected in any sample
ug/L = micrograms per liter or parts per billion (ppb)

PCB = Polychlorinated Biphenyl
SVOC = Semi-Volatile Organic Compound
VOC = Volatile Organic Compound

Total VOCs and Total SVOCs are calculated using detects only.

NYS AWQS = New York State Ambient Water Quality Standards and Guidance Values for GA groundwater
* indicates the value is a guidance value and not a standard

CAS No. = Chemical Abstracts Service Number
ND = Not Detected
NE = Not Established
TIC = Tentatively Identified Compound

Bolding indicates a detected result concentration
Shading and bolding indicates that the detected concentration is above the NYSDEC guidance it was compared to
Gray shading and bolding indicates that the detected result value exceeds the NYS AWQS

Data Qualifiers:
B = Indicates the analyte is detected in the associated blank as well as in the sample
J = The result was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
R = The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.
U = The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
UJ = The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.

Table 5-8
Summary of Groundwater Semivolatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

				Location Name	MW-05	MW-05	MW-05	MW-05	MW-06	MW-06	MW-01S	MW-01D	MW-02	MW-03	MW-05S
				Sample Name	GWP-5 (35)	2015-07-21 DUP	GWP-5 (40)	GWP-5 (45)	GWP-6 (35)	GWP-6 (40)	MW-1S	MW-1D	MW-2	MW-3	MW-5S
				Start Depth	33	33	38	43	33	38	28	40	40	40	28
				End Depth	37	37	42	47	37	42	38	45	45	45	38
				Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
				Sample Date	7/21/2015	7/21/2015	7/21/2015	7/21/2015	7/21/2015	7/21/2015	8/18/2015	8/18/2015	8/20/2015	8/20/2015	8/19/2015
				Parent Sample		GWP-5 (35)									
Analyte	Result Type	Units	CAS No.	NYS AWQS											
SSO_SVOC		ug/L													
1,2,4,5-Tetrachlorobenzene	TRG		95-94-3	5	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
2,3,4,6-Tetrachlorophenol	TRG		58-90-2	NE	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
2,4,5-Trichlorophenol	TRG		95-95-4	NE	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
2,4,6-Trichlorophenol	TRG		88-06-2	NE	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
2,4-Dichlorophenol	TRG		120-83-2	5	0.52 U	0.53 U	0.51 U	0.51 U	0.52 U	0.51 U	0.5 U	0.51 U	0.56 U	0.54 U	0.51 U
2,4-Dimethylphenol	TRG		105-67-9	50*	0.52 U	0.53 U	0.51 U	0.51 U	0.52 U	0.51 U	0.5 U	0.51 U	0.56 U	0.54 U	0.51 U
2,4-Dinitrophenol	TRG		51-28-5	10*	10 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U	10 U
2,4-Dinitrotoluene	TRG		121-14-2	5	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
2,6-Dinitrotoluene	TRG		606-20-2	5	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
2-Chloronaphthalene	TRG		91-58-7	10*	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
2-Chlorophenol	TRG		95-57-8	NE	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
2-Methylnaphthalene	TRG		91-57-6	NE	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
2-Methylphenol (O-Cresol)	TRG		95-48-7	1	0.52 U	0.53 U	0.51 U	0.51 U	0.52 U	0.51 U	0.5 UJ	0.51 UJ	0.56 UJ	0.54 UJ	0.51 U
2-Nitroaniline	TRG		88-74-4	5	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
2-Nitrophenol	TRG		88-75-5	NE	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
3,3'-Dichlorobenzidine	TRG		91-94-1	5	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 UJ	2 U	2.2 U	2.2 U	2 U
3-Nitroaniline	TRG		99-09-2	5	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
4,6-Dinitro-2-Methylphenol	TRG		534-52-1	NE	10 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U	10 U
4-Bromophenyl Phenyl Ether	TRG		101-55-3	NE	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
4-Chloro-3-Methylphenol	TRG		59-50-7	NE	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
4-Chloroaniline	TRG		106-47-8	5	0.52 U	0.53 U	0.51 U	0.51 U	0.52 U	0.51 U	0.5 U	0.51 U	0.56 U	0.54 U	0.51 U
4-Chlorophenyl Phenyl Ether	TRG		7005-72-3	NE	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
4-Methylphenol (P-Cresol)	TRG		106-44-5	1	0.52 U	0.53 U	0.51 U	0.51 U	0.52 U	0.51 U	0.5 U	0.51 U	0.56 U	0.54 U	0.51 U
4-Nitroaniline	TRG		100-01-6	5	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
4-Nitrophenol	TRG		100-02-7	NE	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
Acenaphthene	TRG		83-32-9	20*	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
Acenaphthylene	TRG		208-96-8	NE	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
Acetophenone	TRG		98-86-2	NE	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
Anthracene	TRG		120-12-7	50*	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
Atrazine	TRG		1912-24-9	7.5	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
Benzaldehyde	TRG		100-52-7	NE	2.1 U	2.1 U	2 R	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
Benzo(A)Anthracene	TRG		56-55-3	0.002*	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
Benzo(A)Pyrene	TRG		50-32-8	ND	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
Benzo(B)Fluoranthene	TRG		205-99-2	0.002*	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
Benzo(G,H,I)Perylene	TRG		191-24-2	NE	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U

Table 5-8
Summary of Groundwater Semivolatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

				Location Name	MW-05	MW-05	MW-05	MW-05	MW-06	MW-06	MW-01S	MW-01D	MW-02	MW-03	MW-05S
				Sample Name	GWP-5 (35)	2015-07-21 DUP	GWP-5 (40)	GWP-5 (45)	GWP-6 (35)	GWP-6 (40)	MW-1S	MW-1D	MW-2	MW-3	MW-5S
				Start Depth	33	33	38	43	33	38	28	40	40	40	28
				End Depth	37	37	42	47	37	42	38	45	45	45	38
				Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
				Sample Date	7/21/2015	7/21/2015	7/21/2015	7/21/2015	7/21/2015	7/21/2015	8/18/2015	8/18/2015	8/20/2015	8/20/2015	8/19/2015
				Parent Sample		GWP-5 (35)									
Analyte	Result Type	Units	CAS No.	NYS AWQS											
Benzo(K)Fluoranthene	TRG		207-08-9	0.002*	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
Benzyl Butyl Phthalate	TRG		85-68-7	50*	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
Biphenyl (Diphenyl)	TRG		92-52-4	5	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
Bis(2-Chloroethoxy) Methane	TRG		111-91-1	5	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	TRG		111-44-4	1	0.52 U	0.53 U	0.51 U	0.51 U	0.52 U	0.51 U	0.5 U	0.51 U	0.56 U	0.54 U	0.51 U
Bis(2-Chloroisopropyl) Ether	TRG		108-60-1	5	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
Bis(2-Ethylhexyl) Phthalate	TRG		117-81-7	5	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
Caprolactam	TRG		105-60-2	NE	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
Carbazole	TRG		86-74-8	NE	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
Chrysene	TRG		218-01-9	0.002*	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
Dibenz(A,H)Anthracene	TRG		53-70-3	NE	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
Dibenzofuran	TRG		132-64-9	NE	0.52 U	0.53 U	0.51 U	0.51 U	0.52 U	0.51 U	0.5 U	0.51 U	0.56 U	0.54 U	0.51 U
Diethyl Phthalate	TRG		84-66-2	50*	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
Dimethyl Phthalate	TRG		131-11-3	50*	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
Di-N-Butyl Phthalate	TRG		84-74-2	50	0.52 U	0.53 U	0.51 U	0.51 U	0.52 U	0.51 U	0.5 U	0.51 U	0.56 U	0.54 U	0.51 U
Di-N-Octylphthalate	TRG		117-84-0	50*	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
Fluoranthene	TRG		206-44-0	50*	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
Fluorene	TRG		86-73-7	50*	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
Hexachlorobenzene	TRG		118-74-1	0.04	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
Hexachlorobutadiene	TRG		87-68-3	0.5	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
Hexachlorocyclopentadiene	TRG		77-47-4	5	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
Hexachloroethane	TRG		67-72-1	5	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
Indeno(1,2,3-C,D)Pyrene	TRG		193-39-5	0.002*	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
Isophorone	TRG		78-59-1	50*	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
Naphthalene	TRG		91-20-3	10*	0.52 U	0.53 U	0.51 U	0.51 U	0.52 U	0.51 U	0.5 U	**0.72**	0.56 U	0.54 U	0.51 U
Nitrobenzene	TRG		98-95-3	0.4	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
N-Nitrosodi-N-Propylamine	TRG		621-64-7	NE	0.52 U	0.53 U	0.51 U	0.51 U	0.52 U	0.51 U	0.5 U	0.51 U	0.56 U	0.54 U	0.51 U
N-Nitrosodiphenylamine	TRG		86-30-6	50*	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
Pentachlorophenol	TRG		87-86-5	1	10 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U	10 U
Phenanthrene	TRG		85-01-8	50*	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
Phenol	TRG		108-95-2	1	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
Pyrene	TRG		129-00-0	50*	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.2 U	2.2 U	2 U
Total SVOCs	TRG		TSVOC	NE	ND	ND	ND	ND	ND	ND	ND	**0.72**	ND	ND	ND
3-Hydroxy-3-Methyl-2-Butanone	TIC		115-22-0	NE							**12 JB**				
4-(1,1,3,3-Tetramethylbutyl)Phenol	TIC		140-66-9	NE			**14 J**								
4-Nonyl Phenol	TIC		104-40-5	NE											

Table 5-8
Summary of Groundwater Semivolatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

				Location Name	MW-05	MW-05	MW-05	MW-05	MW-06	MW-06	MW-01S	MW-01D	MW-02	MW-03	MW-05S
				Sample Name	GWP-5 (35)	2015-07-21 DUP	GWP-5 (40)	GWP-5 (45)	GWP-6 (35)	GWP-6 (40)	MW-1S	MW-1D	MW-2	MW-3	MW-5S
				Start Depth	33	33	38	43	33	38	28	40	40	40	28
				End Depth	37	37	42	47	37	42	38	45	45	45	38
				Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
				Sample Date	7/21/2015	7/21/2015	7/21/2015	7/21/2015	7/21/2015	7/21/2015	8/18/2015	8/18/2015	8/20/2015	8/20/2015	8/19/2015
				Parent Sample		GWP-5 (35)									
Analyte	**Result Type**	**Units**	**CAS No.**	**NYS AWQS**											
4-Tert-Butylphenol	TIC		98-54-4	NE			**5.2 J**								
5,8-Dihydro-6-phenyl-5,8-etheno-4H-3a-a	TIC		73794-62-4	NE											
Nonylphenol	TIC		25154-52-3	NE			**4.7 J**								
Phenol, 4-(2,2,3,3-tetramethylbutyl)-	TIC		54932-78-4	NE											
Silane, chlorotripropyl-	TIC		995-25-5	NE											
Unknown With 1st Highest Conc.	TIC		UNKNOWN1	NE			**220 J**								**4.9 JB**
Unknown With 2nd Highest Conc.	TIC		UNKNOWN2	NE											
Unknown With 3rd Highest Conc.	TIC		UNKNOWN3	NE											
Unknown With 4th Highest Conc.	TIC		UNKNOWN4	NE											
Unknown With 5th Highest Conc.	TIC		UNKNOWN5	NE											

Table 5-8
Summary of Groundwater Semivolatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					MW-05D	MW-05D	MW-06
				Location Name	MW-05D	MW-05D	MW-06
				Sample Name	MW-5D	2015_08_19-DUP	MW-6
				Start Depth	40	40	28
				End Depth	45	45	38
				Depth Unit	ft	ft	ft
				Sample Date	8/19/2015	8/19/2015	8/20/2015
				Parent Sample		MW-5D	
Analyte	Result Type	Units	CAS No.	NYS AWQS			
SSO_SVOC		ug/L					
1,2,4,5-Tetrachlorobenzene	TRG		95-94-3	5	2.1 U	2.1 U	2 U
2,3,4,6-Tetrachlorophenol	TRG		58-90-2	NE	2.1 U	2.1 U	2 U
2,4,5-Trichlorophenol	TRG		95-95-4	NE	2.1 U	2.1 U	2 U
2,4,6-Trichlorophenol	TRG		88-06-2	NE	2.1 U	2.1 U	2 U
2,4-Dichlorophenol	TRG		120-83-2	5	0.53 U	0.53 U	0.51 U
2,4-Dimethylphenol	TRG		105-67-9	50*	0.53 U	0.53 U	0.51 U
2,4-Dinitrophenol	TRG		51-28-5	10*	11 U	11 U	10 U
2,4-Dinitrotoluene	TRG		121-14-2	5	2.1 U	2.1 U	2 U
2,6-Dinitrotoluene	TRG		606-20-2	5	2.1 U	2.1 U	2 U
2-Chloronaphthalene	TRG		91-58-7	10*	2.1 U	2.1 U	2 U
2-Chlorophenol	TRG		95-57-8	NE	2.1 U	2.1 U	2 U
2-Methylnaphthalene	TRG		91-57-6	NE	2.1 U	2.1 U	2 U
2-Methylphenol (O-Cresol)	TRG		95-48-7	1	0.53 U	0.53 U	0.51 UJ
2-Nitroaniline	TRG		88-74-4	5	2.1 U	2.1 U	2 U
2-Nitrophenol	TRG		88-75-5	NE	2.1 U	2.1 U	2 U
3,3'-Dichlorobenzidine	TRG		91-94-1	5	2.1 U	2.1 U	2 U
3-Nitroaniline	TRG		99-09-2	5	2.1 U	2.1 U	2 U
4,6-Dinitro-2-Methylphenol	TRG		534-52-1	NE	11 U	11 U	10 U
4-Bromophenyl Phenyl Ether	TRG		101-55-3	NE	2.1 U	2.1 U	2 U
4-Chloro-3-Methylphenol	TRG		59-50-7	NE	2.1 U	2.1 U	2 U
4-Chloroaniline	TRG		106-47-8	5	0.53 U	0.53 U	0.51 U
4-Chlorophenyl Phenyl Ether	TRG		7005-72-3	NE	2.1 U	2.1 U	2 U
4-Methylphenol (P-Cresol)	TRG		106-44-5	1	0.53 U	0.53 U	0.51 U
4-Nitroaniline	TRG		100-01-6	5	2.1 U	2.1 U	2 U
4-Nitrophenol	TRG		100-02-7	NE	2.1 U	2.1 U	2 U
Acenaphthene	TRG		83-32-9	20*	2.1 U	2.1 U	2 U
Acenaphthylene	TRG		208-96-8	NE	2.1 U	2.1 U	2 U
Acetophenone	TRG		98-86-2	NE	2.1 U	2.1 U	2 U
Anthracene	TRG		120-12-7	50*	2.1 U	2.1 U	2 U
Atrazine	TRG		1912-24-9	7.5	2.1 U	2.1 U	2 U
Benzaldehyde	TRG		100-52-7	NE	2.1 R	2.1 U	2 U
Benzo(A)Anthracene	TRG		56-55-3	0.002*	2.1 U	2.1 U	2 U
Benzo(A)Pyrene	TRG		50-32-8	ND	2.1 U	2.1 U	2 U
Benzo(B)Fluoranthene	TRG		205-99-2	0.002*	2.1 U	2.1 U	2 U
Benzo(G,H,I)Perylene	TRG		191-24-2	NE	2.1 U	2.1 U	2 U

Table 5-8
Summary of Groundwater Semivolatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

				Location Name	MW-05D	MW-05D	MW-06
				Sample Name	MW-5D	2015_08_19-DUP	MW-6
				Start Depth	40	40	28
				End Depth	45	45	38
				Depth Unit	ft	ft	ft
				Sample Date	8/19/2015	8/19/2015	8/20/2015
				Parent Sample		MW-5D	
Analyte	Result Type	Units	CAS No.	NYS AWQS			
Benzo(K)Fluoranthene	TRG		207-08-9	0.002*	2.1 U	2.1 U	2 U
Benzyl Butyl Phthalate	TRG		85-68-7	50*	2.1 U	2.1 U	2 U
Biphenyl (Diphenyl)	TRG		92-52-4	5	2.1 U	2.1 U	2 U
Bis(2-Chloroethoxy) Methane	TRG		111-91-1	5	2.1 U	2.1 U	2 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	TRG		111-44-4	1	0.53 U	0.53 U	0.51 U
Bis(2-Chloroisopropyl) Ether	TRG		108-60-1	5	2.1 U	2.1 U	2 U
Bis(2-Ethylhexyl) Phthalate	TRG		117-81-7	5	2.1 U	2.1 U	2 U
Caprolactam	TRG		105-60-2	NE	2.1 U	2.1 U	2 U
Carbazole	TRG		86-74-8	NE	2.1 U	2.1 U	2 U
Chrysene	TRG		218-01-9	0.002*	2.1 U	2.1 U	2 U
Dibenz(A,H)Anthracene	TRG		53-70-3	NE	2.1 U	2.1 U	2 U
Dibenzofuran	TRG		132-64-9	NE	0.53 U	0.53 U	0.51 U
Diethyl Phthalate	TRG		84-66-2	50*	2.1 U	2.1 U	2 U
Dimethyl Phthalate	TRG		131-11-3	50*	2.1 U	2.1 U	2 U
Di-N-Butyl Phthalate	TRG		84-74-2	50	0.53 U	0.53 U	0.51 U
Di-N-Octylphthalate	TRG		117-84-0	50*	2.1 U	2.1 U	2 U
Fluoranthene	TRG		206-44-0	50*	2.1 U	2.1 U	2 U
Fluorene	TRG		86-73-7	50*	2.1 U	2.1 U	2 U
Hexachlorobenzene	TRG		118-74-1	0.04	2.1 U	2.1 U	2 U
Hexachlorobutadiene	TRG		87-68-3	0.5	2.1 UJ	2.1 U	2 U
Hexachlorocyclopentadiene	TRG		77-47-4	5	2.1 U	2.1 U	2 U
Hexachloroethane	TRG		67-72-1	5	2.1 U	2.1 U	2 U
Indeno(1,2,3-C,D)Pyrene	TRG		193-39-5	0.002*	2.1 U	2.1 U	2 U
Isophorone	TRG		78-59-1	50*	2.1 U	2.1 U	2 U
Naphthalene	TRG		91-20-3	10*	0.53 U	0.53 U	0.51 U
Nitrobenzene	TRG		98-95-3	0.4	2.1 U	2.1 U	2 U
N-Nitrosodi-N-Propylamine	TRG		621-64-7	NE	0.53 U	0.53 U	0.51 U
N-Nitrosodiphenylamine	TRG		86-30-6	50*	2.1 U	2.1 U	2 U
Pentachlorophenol	TRG		87-86-5	1	11 U	11 U	10 U
Phenanthrene	TRG		85-01-8	50*	2.1 U	2.1 U	2 U
Phenol	TRG		108-95-2	1	2.1 U	2.1 U	2 U
Pyrene	TRG		129-00-0	50*	2.1 U	2.1 U	2 U
Total SVOCs	TRG		TSVOC	NE	ND	ND	ND
3-Hydroxy-3-Methyl-2-Butanone	TIC		115-22-0	NE			
4-(1,1,3,3-Tetramethylbutyl)Phenol	TIC		140-66-9	NE		**13 J**	
4-Nonyl Phenol	TIC		104-40-5	NE	**5.1 J**	**5.1 J**	

Table 5-8
Summary of Groundwater Semivolatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

				Location Name	MW-05D	MW-05D	MW-06
				Sample Name	MW-5D	2015_08_19-DUP	MW-6
				Start Depth	40	40	28
				End Depth	45	45	38
				Depth Unit	ft	ft	ft
				Sample Date	8/19/2015	8/19/2015	8/20/2015
				Parent Sample		MW-5D	
Analyte	**Result Type**	**Units**	**CAS No.**	**NYS AWQS**			
4-Tert-Butylphenol	TIC		98-54-4	NE			
5,8-Dihydro-6-phenyl-5,8-etheno-4H-3a-a	TIC		73794-62-4	NE		**490 J**	
Nonylphenol	TIC		25154-52-3	NE	**5 J**		
Phenol, 4-(2,2,3,3-tetramethylbutyl)-	TIC		54932-78-4	NE	**13 J**		
Silane, chlorotripropyl-	TIC		995-25-5	NE		**4.8 J**	
Unknown With 1st Highest Conc.	TIC		UNKNOWN1	NE	**27 J**	**4.5 J**	**10 J**
Unknown With 2nd Highest Conc.	TIC		UNKNOWN2	NE	**470 J**	**4.7 J**	**28 J**
Unknown With 3rd Highest Conc.	TIC		UNKNOWN3	NE	**7.9 JB**	**40 J**	**4.4 J**
Unknown With 4th Highest Conc.	TIC		UNKNOWN4	NE		**6.6 JB**	
Unknown With 5th Highest Conc.	TIC		UNKNOWN5	NE		**6.8 J**	

Table 5-8
Summary of Groundwater Semivolatile Organic Compound Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

Notes:

Analytes in blue are not detected in any sample
ug/L = micrograms per liter or parts per billion (ppb)

PCB = Polychlorinated Biphenyl
SVOC = Semi-Volatile Organic Compound
VOC = Volatile Organic Compound

Total VOCs and Total SVOCs are calculated using detects only.

NYS AWQS = New York State Ambient Water Quality Standards and Guidance Values for GA groundwater
* indicates the value is a guidance value and not a standard

CAS No. = Chemical Abstracts Service Number
ND = Not Detected
NE = Not Established
TIC = Tentatively Identified Compound

Bolding indicates a detected result concentration
Shading and bolding indicates that the detected concentration is above the NYSDEC guidance it was compared to
Gray shading and bolding indicates that the detected result value exceeds the NYS AWQS

Data Qualifiers:
B = Indicates the analyte is detected in the associated blank as well as in the sample
J = The result was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
R = The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.
U = The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
UJ = The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.

Table 5-9
Summary of Groundwater Pesticide-Herbicide-Polychlorinated Biphenyl Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

Analyte	Units	CAS No.	NYS AWQS	MW-05 GWP-5 (35) 33 37 ft 7/21/2015	MW-05 2015-07-21 DUP 33 37 ft 7/21/2015 GWP-5 (35)	MW-05 GWP-5 (40) 38 42 ft 7/21/2015	MW-05 GWP-5 (45) 43 47 ft 7/21/2015	MW-06 GWP-6 (35) 33 37 ft 7/21/2015	MW-06 GWP-6 (40) 38 42 ft 7/21/2015	MW-01S MW-1S 28 38 ft 8/18/2015	MW-01D MW-1D 40 45 ft 8/18/2015	MW-02 MW-2 40 45 ft 8/20/2015	MW-03 MW-3 40 45 ft 8/20/2015	MW-05S MW-5S 28 38 ft 8/19/2015	MW-05D MW-5D 40 45 ft 8/19/2015	MW-05D 2015_08_19-DUP 40 45 ft 8/19/2015 MW-5D	MW-06 MW-6 28 38 ft 8/20/2015
SSO_PEST_PCB_HERB	ug/L																
2,4-D (Dichlorophenoxyacetic Acid)		94-75-7	50	0.51 U	0.51 U	0.5 U	0.5 U	0.51 U	0.51 U	0.51 U	0.52 U	0.52 U	0.51 U	0.53 U	0.56 U	0.56 U	0.54 U
Acetic acid, (2,4,5-trichlorophenoxy)-		93-76-5	35	0.51 U	0.51 U	0.5 U	0.5 U	0.51 U	0.51 U	0.51 U	0.52 U	0.52 U	0.51 U	0.53 U	0.56 U	0.56 U	0.54 U
Aldrin		309-00-2	ND	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Alpha Bhc (Alpha Hexachlorocyclohexane)		319-84-6	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Alpha Endosulfan		959-98-8	NE	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Beta Bhc (Beta Hexachlorocyclohexane)		319-85-7	0.04	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Beta Endosulfan		33213-65-9	NE	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Chlordane		57-74-9	0.05							0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
cis-Chlordane		5103-71-9	NE	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Delta BHC (Delta Hexachlorocyclohexane)		319-86-8	0.04	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Dicamba		1918-00-9	0.44	0.51 U	0.51 U	0.5 U	0.5 U	0.51 U	0.51 U	0.51 U	0.52 U	0.52 U	0.51 U	0.53 U	0.56 U	0.56 U	0.54 U
Dieldrin		60-57-1	0.004	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Endosulfan Sulfate		1031-07-8	NE	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Endrin		72-20-8	0	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Endrin Aldehyde		7421-93-4	5	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Endrin Ketone		53494-70-5	5	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Gamma Bhc (Lindane)		58-89-9	0.05	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Heptachlor		76-44-8	0.04	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Heptachlor Epoxide		1024-57-3	0.03	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Methoxychlor		72-43-5	35	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
P,P'-DDD		72-54-8	0.3	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
P,P'-DDE		72-55-9	0.2	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
P,P'-DDT		50-29-3	0.2	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
PCB-1016 (Aroclor 1016)		12674-11-2	NE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
PCB-1221 (Aroclor 1221)		11104-28-2	NE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
PCB-1232 (Aroclor 1232)		11141-16-5	NE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
PCB-1242 (Aroclor 1242)		53469-21-9	NE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
PCB-1248 (Aroclor 1248)		12672-29-6	NE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
PCB-1254 (Aroclor 1254)		11097-69-1	NE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
PCB-1260 (Aroclor 1260)		11096-82-5	NE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
PCB-1262 (Aroclor 1262)		37324-23-5	NE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
PCB-1268 (Aroclor 1268)		11100-14-4	NE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Polychlorinated Biphenyl (PCBs)		1336-36-3	0.09	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Silvex (2,4,5-TP)		93-72-1	0.26	0.51 U	0.51 U	0.5 U	0.5 U	0.51 U	0.51 U	0.51 U	0.52 U	0.52 U	0.51 U	0.53 U	0.56 U	0.56 U	0.54 U
Toxaphene		8001-35-2	0.06	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
trans-Chlordane		5103-74-2	NE	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U

Table 5-9
Summary of Groundwater Pesticide-Herbicide-Polychlorinated Biphenyl Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

Notes:

Analytes in blue are not detected in any sample
ug/L = micrograms per liter or parts per billion (ppb)

PCB = Polychlorinated Biphenyl
SVOC = Semi-Volatile Organic Compound
VOC = Volatile Organic Compound

Total VOCs and Total SVOCs are calculated using detects only.

NYS AWQS = New York State Ambient Water Quality Standards and Guidance Values for GA groundwater
* indicates the value is a guidance value and not a standard

CAS No. = Chemical Abstracts Service Number
ND = Not Detected
NE = Not Established
TIC = Tentatively Identified Compound

Bolding indicates a detected result concentration
Shading and bolding indicates that the detected concentration is above the NYSDEC guidance it was compared to
Gray shading and bolding indicates that the detected result value exceeds the NYS AWQS

Data Qualifiers:
B = Indicates the analyte is detected in the associated blank as well as in the sample
J = The result was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
R = The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.
U = The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
UJ = The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.

Table 5-10
Summary of Groundwater Metal-Cyanide Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

			Location Name	MW-05	MW-05	MW-05	MW-05	MW-06	MW-06	MW-01S	MW-01D	MW-02	MW-03	MW-05S	MW-05D	MW-05D	MW-06
			Sample Name	GWP-5 (35)	2015-07-21 DUP	GWP-5 (40)	GWP-5 (45)	GWP-6 (35)	GWP-6 (40)	MW-1S	MW-1D	MW-2	MW-3	MW-5S	MW-5D	2015_08_19-DUP	MW-6
			Start Depth	33	33	38	43	33	38	28	40	40	40	28	40	40	28
			End Depth	37	37	42	47	37	42	38	45	45	45	38	45	45	38
			Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
			Sample Date	7/21/2015	7/21/2015	7/21/2015	7/21/2015	7/21/2015	7/21/2015	8/18/2015	8/18/2015	8/20/2015	8/20/2015	8/19/2015	8/19/2015	8/19/2015	8/20/2015
			Parent Sample		GWP-5 (35)											MW-5D	
Analyte	Units	CAS No.	NYS AWQS														
SSO_METALS	ug/L																
Aluminum		7429-90-5	NE	200 U	200 U	200 U	**1700**	**3500**	**1100**	200 U	**500**	**500**	**8400**	**300**	**570**	**600**	**1100**
Antimony		7440-36-0	3	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Arsenic		7440-38-2	25	2 U	2 U	2 U	2 U	**2.2**	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Barium		7440-39-3	1000	50 U	50 U	**93**	**160**	50 U	50 U	50 U	**79**	**240**	50 U	50 U	**180**	**170**	50 U
Beryllium		7440-41-7	3*	1 U	1 U	1 U	**1.6**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium		7440-43-9	5	2 U	2 U	2 U	**6.7**	2 U	2 U	2 U	2 U	2 U	2 U	2 U	**2.3**	2 U	2 U
Calcium		7440-70-2	NE	**13000**	**13000**	**21000**	**19000**	**27000**	**34000**	**17000**	**27000**	**12000**	**24000**	**13000**	**31000**	**30000**	**16000**
Chromium, Hexavalent		18540-29-9	NE	25 U	25 U	25 R	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 UJ	25 U	25 U
Chromium, Total		7440-47-3	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Cobalt		7440-48-4	NE	**17**	**17**	2 U	**72**	**2.5**	**7.3**	2 U	2 U	**5.1**	**14**	**7.3**	**34**	**35**	**2.2**
Copper		7440-50-8	200	**170**	**150**	50 U	**730**	**110**	**110**	**470**	**960**	50 U	50 U	**220**	**120**	**130**	**78**
Cyanide		57-12-5	200	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Iron		7439-89-6	300	**2100**	**2600**	**14000**	**2600**	**5600**	**4200**	**460**	**340**	300 U	300 U	300 U	**12000**	**11000**	300 U
Lead		7439-92-1	25	3 U	3 U	3 U	**170**	3 U	3 U	3 U	**11**	3 U	3 U	**7.5**	**23**	**24**	3 U
Magnesium		7439-95-4	35000*	5000 U	5000 U	5000 U	5000 U	5000 U	5000 U	5000 U	5000 U	5000 U	5000 U	5000 U	**5600**	**5400**	5000 U
Manganese		7439-96-5	300	40 U	40 U	**130**	**270**	**83**	**340**	**67**	**96**	**72**	**1200**	40 U	**150**	**150**	**82**
Mercury		7439-97-6	0.7	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Nickel		7440-02-0	100	**150**	**160**	50 U	**570**	50 U	50 U	50 U	50 U	50 U	50 U	**78**	**450**	**440**	50 U
Potassium		7440-09-7	NE	5000 U	5000 U	5000 U	5000 U	**16000**	**14000**	5000 U	5000 U	5000 U	**9500**	5000 U	5000 U	5000 U	**7600**
Selenium		7782-49-2	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver		7440-22-4	50	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Sodium		7440-23-5	20000	**15000**	**16000**	**15000**	**16000**	**23000**	**22000**	**24000**	**31000**	**62000**	**29000**	**13000**	**26000**	**25000**	**11000**
Thallium		7440-28-0	0.5*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	**2.4**	2 U	2 U
Vanadium		7440-62-2	NE	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Zinc		7440-66-6	2000*	**67**	**66**	50 U	**690**	**54**	**110**	50 U	50 U	**88**	**99**	50 U	**290**	**270**	50 U

Table 5-10
Summary of Groundwater Metal-Cyanide Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

Notes:

Analytes in blue are not detected in any sample
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PCB = Polychlorinated Biphenyl
SVOC = Semi-Volatile Organic Compound
VOC = Volatile Organic Compound

Total VOCs and Total SVOCs are calculated using detects only.

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CAS No. = Chemical Abstracts Service Number
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Data Qualifiers:
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Table 5-11
Summary of Air Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	AMB-01	IA-01	IA-02	IA-03	IA-04	SS-01	SS-02	SS-03	SS-04	SS-05	SS-06	SS-07	SS-08
					Sample Name	AMB-1	IA-1	IA-2	IA-3	IA-4	SS-1	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7	SS-8
					Sample Date	8/12/2015	8/11/2015	8/11/2015	8/11/2015	8/11/2015	8/11/2015	8/11/2015	8/11/2015	8/11/2015	8/11/2015	8/11/2015	8/11/2015	8/11/2015
Analyte	Units	CAS No.	EPA BASE Indoor Air Concentrations 95th Percentile[2]	NYDOH Table3.1													
SSO Air	ug/m^3																
1,1,1-Trichloroethane		71-55-6	33	NE	1.1 U	**2.8 J**	**110**	**6.4**	**5.5 J**	**29000**	**280000**	**36000**	**1100**	**2200**	**160**	**7900**	**5000**
1,1,2,2-Tetrachloroethane		79-34-5	NE	NE	1.4 U	5.5 U	11 U	6.9 U	11 U	410 U	5000 U	470 U	16 U	21 U	1.4 U	110 U	66 U
1,1,2-Trichloro-1,2,2-Trifluoroethane		76-13-1	NE	NE	1.5 U	6.1 U	12 U	7.7 U	12 U	450 U	5600 U	520 U	18 U	23 U	**0.62 J**	120 U	73 U
1,1,2-Trichloroethane		79-00-5	1.6	NE	1.1 U	4.4 U	8.7 U	5.5 U	8.7 U	**99 J**	4000 U	**150 J**	13 U	17 U	1.1 U	86 U	52 U
1,1-Dichloroethane		75-34-3	0.8	NE	0.81 U	3.2 U	**1.9 J**	4.1 U	6.5 U	**960**	**5100**	**5400**	**180**	**32**	**1.9**	**300**	**490**
1,1-Dichloroethene		75-35-4	1.6	NE	0.79 U	3.2 U	6.3 U	4 U	6.3 U	**930**	**1500 J**	**900**	**13**	**6.8 J**	**0.81**	**53 J**	**44**
1,2,4-Trichlorobenzene		120-82-1	7.2	NE	3.7 U	15 U	30 U	19 U	30 U	1100 U	14000 U	1300 U	45 U	56 U	3.7 U	290 U	180 U
1,2,4-Trimethylbenzene		95-63-6	13.7	NE	0.98 U	**8.2**	**15**	**6**	**5.9 J**	**40 J**	3600 U	340 U	**23**	**2.8 J**	**3.1**	78 U	**130**
1,2-Dibromoethane (Ethylene Dibromide)		106-93-4	1.6	NE	1.5 U	6.1 U	12 U	7.7 U	12 U	450 U	5600 U	520 U	18 U	23 U	1.5 U	120 U	73 U
1,2-Dichlorobenzene		95-50-1	1.3	NE	1.2 U	4.8 U	9.6 U	6.1 U	9.6 U	350 U	4400 U	410 U	14 U	18 U	1.2 U	95 U	57 U
1,2-Dichloroethane		107-06-2	1	NE	0.81 U	3.2 U	6.5 U	4.1 U	6.5 U	240 U	2900 U	280 U	9.7 U	12 U	0.81 U	64 U	39 U
1,2-Dichloropropane		78-87-5	1.7	NE	0.92 U	3.7 U	7.4 U	4.7 U	7.4 U	270 U	3400 U	320 U	11 U	14 U	0.92 U	73 U	44 U
1,2-Dichlorotetrafluoroethane		76-14-2	NE	NE	1.4 U	5.6 U	11 U	7 U	11 U	410 U	5100 U	480 U	17 U	21 U	1.4 U	110 U	67 U
1,3,5-Trimethylbenzene (Mesitylene)		108-67-8	4.6	NE	0.98 U	**2.1 J**	**4.1 J**	**1.6 J**	**1.9 J**	290 U	3600 U	340 U	**5 J**	15 U	**0.8 J**	78 U	**35 J**
1,3-Butadiene		106-99-0	7.5	NE	0.44 U	1.8 U	3.5 U	2.2 U	3.5 U	130 U	1600 U	150 U	5.3 U	6.7 U	0.44 U	35 U	21 U
1,3-Dichlorobenzene		541-73-1	2.5	NE	1.2 U	4.8 U	9.6 U	6.1 U	9.6 U	350 U	4400 U	410 U	14 U	18 U	1.2 U	95 U	57 U
1,4-Dichlorobenzene		106-46-7	12.5	NE	1.2 U	**0.82 J**	9.6 U	6.1 U	9.6 U	350 U	4400 U	410 U	14 U	18 U	1.2 U	95 U	57 U
1,4-Dioxane (P-Dioxane)		123-91-1	NE	NE	18 U	**9 J**	140 U	91 U	140 U	**480 J**	66000 U	6100 U	220 U	270 U	**0.72 J**	1400 U	860 U
2,2,4-Trimethylpentane		540-84-1	NE	NE	0.93 U	3.7 U	7.5 U	4.7 U	7.5 U	280 U	3400 U	320 U	11 U	14 U	**0.42 J**	74 U	45 U
2-Chlorotoluene		95-49-8	NE	NE	1 U	4.1 U	8.3 U	5.2 U	8.3 U	310 U	3800 U	350 U	12 U	16 U	1 U	82 U	49 U
2-Hexanone		591-78-6	NE	NE	2 U	8.2 U	16 U	10 U	16 U	600 U	7500 U	700 U	25 U	31 U	2 U	160 U	98 U
4-Ethyltoluene		622-96-8	5.9	NE	0.98 U	**1.4 J**	**3.1 J**	**1.1 J**	**1.4 J**	290 U	3600 U	340 U	**3.5 J**	15 U	**0.55 J**	78 U	**29 J**
Acetone		67-64-1	120.2	NE	**20**	**210**	**500**	**270**	**410**	3500 U	43000 U	4100 U	140 U	**40 J**	**63**	940 U	570 U
Allyl Chloride (3-Chloropropene)		107-05-1	NE	NE	1.6 U	6.3 U	13 U	7.9 U	13 U	460 U	5700 U	530 U	19 U	24 U	1.6 U	120 U	75 U
Benzene		71-43-2	12.5	NE	0.64 U	**0.62 J**	5.1 U	**0.96 J**	**0.82 J**	190 U	2300 U	220 U	**2.3 J**	9.7 U	**0.54 J**	51 U	31 U
Benzyl Chloride		100-44-7	7.2	NE	1 U	4.1 U	8.3 U	5.2 U	8.3 U	310 U	3800 U	350 U	12 U	16 U	1 U	82 U	49 U
Bromodichloromethane		75-27-4	NE	NE	1.3 U	5.4 U	11 U	6.8 U	11 U	400 U	4900 U	460 U	16 U	20 U	1.3 U	110 U	64 U
Bromoform		75-25-2	NE	NE	2.1 UT	8.3 UT	17 UT	10 UT	17 UT	610 U	7500 U	710 U	25 U	31 U	2.1 U	160 U	99 U
Bromomethane		74-83-9	2.1	NE	0.78 U	3.1 U	6.2 U	3.9 U	6.2 U	230 U	2800 U	260 U	9.3 U	12 U	0.78 U	62 U	37 U
Carbon Disulfide		75-15-0	6.4	NE	**9.2**	**5.1 J**	12 U	**6.8 J**	**3.6 J**	**80 J**	5700 U	530 U	**9.7 J**	**1.9 J**	**6.9**	120 U	74 U
Carbon Tetrachloride		56-23-5	0.7	NE	**0.097 J**	1 U	2 U	1.3 U	**0.6 NJ**	74 U	920 U	86 U	3 U	3.8 U	**0.31 NJ**	20 U	12 U
Chlorobenzene		108-90-7	1	NE	0.92 U	3.7 U	7.4 U	4.6 U	7.4 U	270 U	3400 U	310 U	11 U	14 U	0.92 U	73 U	44 U
Chloroethane		75-00-3	1.3	NE	1.3 U	5.3 U	11 U	6.6 U	11 U	**82 J**	4800 U	450 U	**3.8 J**	20 U	1.3 U	100 U	63 U
Chloroform		67-66-3	1.4	NE	0.98 U	3.9 U	7.8 U	4.9 U	7.8 U	**570**	3600 U	**77 J**	**16**	**31**	**3.1**	**94**	**150**
Chloromethane		74-87-3	4.4	NE	**1.1**	**1.9 J**	**2.2 J**	**0.99 J**	**1.3 J**	**59 J**	3800 U	**41 J**	12 U	**2.4 J**	**1.3**	82 U	49 U
Cis-1,2-Dichloroethylene		156-59-2	2	NE	0.79 U	3.2 U	6.3 U	4 U	6.3 U	**210 J**	2900 U	**8500**	**280**	12 U	0.79 U	63 U	38 U
Cis-1,3-Dichloropropene		10061-01-5	2.5	NE	0.91 U	3.6 U	7.3 U	4.6 U	7.3 U	270 U	3300 U	310 U	11 U	14 U	0.91 U	72 U	43 U
Cyclohexane		110-82-7	NE	NE	**0.28 J**	**1.1 J**	**10**	**4.1**	**11**	200 U	2500 U	230 U	**83**	10 U	0.69 U	55 U	33 U

Table 5-11
Summary of Air Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	**AMB-01**	**IA-01**	**IA-02**	**IA-03**	**IA-04**	**SS-01**	**SS-02**	**SS-03**	**SS-04**	**SS-05**	**SS-06**	**SS-07**	**SS-08**
					Sample Name	**AMB-1**	**IA-1**	**IA-2**	**IA-3**	**IA-4**	**SS-1**	**SS-2**	**SS-3**	**SS-4**	**SS-5**	**SS-6**	**SS-7**	**SS-8**
					Sample Date	**8/12/2015**	**8/11/2015**	**8/11/2015**	**8/11/2015**	**8/11/2015**	**8/11/2015**	**8/11/2015**	**8/11/2015**	**8/11/2015**	**8/11/2015**	**8/11/2015**	**8/11/2015**	**8/11/2015**
Analyte	**Units**	**CAS No.**	**EPA BASE Indoor Air Concentrations 95th Percentile[2]**	**NYDOH Table3.1**														
SSO Air	ug/m^3																	
Dibromochloromethane		124-48-1	NE	NE		1.7 U	6.8 U	14 U	8.6 U	14 U	500 U	6200 U	580 U	20 U	26 U	1.7 U	130 U	81 U
Dichlorodifluoromethane		75-71-8	32.9	NE		**2.2 J**	**2.3 J**	**2.5 J**	**3.3 J**	**2.8 J**	730 U	9000 U	840 U	**4.8 J**	38 U	**2.4 J**	200 U	120 U
Ethanol		64-17-5	290	NE		**5 J**	**19 J**	**56 J**	**18 J**	**43 J**	2800 U	34000 U	3200 U	**34 J**	**100 J**	**34**	750 U	**140 J**
Ethyl Acetate		141-78-6	9.5	NE		18 U	72 U	140 U	91 U	140 U	5300 U	66000 U	6100 U	220 U	270 U	18 U	1400 U	860 U
Ethylbenzene		100-41-4	7.6	NE		0.87 U	**1.3 J**	**4.1 J**	**0.81 J**	**0.93 J**	260 U	3200 U	300 U	**2.2 J**	13 U	**0.51 J**	69 U	**16 J**
Hexachlorobutadiene		87-68-3	7.2	NE		2.1 U	8.5 U	17 U	11 U	17 U	630 U	7800 U	730 U	26 U	32 U	2.1 U	170 U	100 U
Isopropanol		67-63-0	475	NE		**0.53 J**	**19 J**	**19 J**	**19 J**	**21 J**	3600 U	45000 U	4200 U	150 U	190 U	**3.5 J**	970 U	590 U
m,p-Xylene		179601-23-1	NE	NE		2.2 U	**3.5 J**	**18**	**2.6 J**	**2.5 J**	640 U	7900 U	740 U	**9.1 J**	33 U	**2.1 J**	170 U	**57 J**
Methyl Ethyl Ketone (2-Butanone)		78-93-3	13.5	NE		**0.89 J**	**6.4**	**8.5 J**	**4.6 J**	**5 J**	440 U	5400 U	500 U	18 U	**5.6 J**	**6.6**	120 U	70 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		108-10-1	8.1	NE		2 U	8.2 U	16 U	10 U	16 U	600 U	7500 U	700 U	25 U	31 U	**1.1 J**	160 U	98 U
Methylene Chloride		75-09-2	16	60		1.7 U	6.9 U	27 U	8.8 U	15 U	710 U	6300 U	590 U	37 U	7 U	3.2 U	140 U	83 U
N-Heptane		142-82-5	NE	NE		0.82 U	3.3 U	**4.7 J**	4.1 U	6.6 U	240 U	3000 U	280 U	9.8 U	12 U	0.82 U	65 U	39 U
N-Hexane		110-54-3	15.2	NE		0.7 U	**1.4 J**	5.6 U	**2 J**	**1 J**	210 U	2600 U	240 U	**3.7 J**	11 U	0.7 U	56 U	34 U
O-Xylene (1,2-Dimethylbenzene)		95-47-6	11.2	NE		0.87 U	**1.4 J**	**6.9**	**1.2 J**	**1.2 J**	260 U	3200 U	300 U	**5.4 J**	13 U	**0.96**	69 U	**26 J**
Propylene		115-07-1	NE	NE		8.6 U	34 U	69 U	43 U	69 U	2500 U	31000 U	2900 U	**49 J**	**13 NJ**	8.6 U	680 U	410 U
Styrene		100-42-5	4.3	NE		0.85 U	**0.35 J**	**4 J**	4.3 U	6.8 U	250 U	3100 U	290 U	10 U	13 U	**0.11 J**	67 U	41 U
Tert-Butyl Alcohol		75-65-0	NE	NE		15 U	61 U	120 U	76 U	120 U	4500 U	55000 U	5200 U	180 U	230 U	**1.2 J**	1200 U	720 U
Tert-Butyl Methyl Ether		1634-04-4	16.1	NE		0.72 U	2.9 U	5.8 U	3.6 U	5.8 U	210 U	2600 U	250 U	8.7 U	11 U	0.72 U	57 U	34 U
Tetrachloroethylene (PCE)		127-18-4	25.4	100		0.27 U	1.1 U	**2.1 J**	1.4 U	2.2 U	**170**	990 U	**340**	**36**	**30**	**7.7**	**27**	**68**
Tetrahydrofuran		109-99-9	NE	NE		15 U	**5.8 J**	**17 J**	**3.7 J**	**4.7 J**	4400 U	54000 U	5000 U	**8.7 J**	**9.4 J**	**7 J**	1200 U	700 U
Toluene		108-88-3	70.8	NE		0.75 U	**3.8**	**6**	**3 J**	**3 J**	**34 J**	2700 U	260 U	**14**	**1.6 J**	**1.6**	**21 J**	**160**
Trans-1,2-Dichloroethene		156-60-5	NE	NE		0.79 U	3.2 U	6.3 U	4 U	6.3 U	**130 J**	2900 U	**1000**	**100**	12 U	0.79 U	63 U	38 U
Trans-1,3-Dichloropropene		10061-02-6	1.3	NE		0.91 U	3.6 U	7.3 U	4.6 U	7.3 U	270 U	3300 U	310 U	11 U	14 U	0.91 U	72 U	43 U
Trichloroethylene (TCE)		79-01-6	6.5	5		0.21 U	**1.3**	**3.2**	**1.1**	1.7 U	**13000**	**6600**	**22000**	**1900**	**100**	**5.7**	**210**	**1900**
Trichlorofluoromethane		75-69-4	54	NE		**1.1 J**	**1.3 J**	9 U	**3.1 J**	**2.7 J**	330 U	4100 U	380 U	**7.1 J**	17 U	**1.6**	89 U	54 U
Vinyl Acetate		108-05-4	NE	NE		18 U	70 U	140 U	89 U	140 U	5200 U	64000 U	6000 U	210 U	270 U	18 U	1400 U	840 U
Vinyl Bromide		593-60-2	NE	NE		0.87 U	3.5 U	7 U	4.4 U	7 U	260 U	3200 U	300 U	10 U	13 U	0.87 U	69 U	42 U
Vinyl Chloride		75-01-4	2.2	NE		0.1 U	0.41 U	0.82 U	0.52 U	0.82 U	30 U	370 U	35 U	**2.5**	1.6 U	0.1 U	8.1 U	4.9 U
Xylenes, Total		XYLENES	NE	NE		3 U	**5 J**	**25**	**3.8 J**	**3.7 J**	900 U	11000 U	1000 U	**14 J**	46 U	**3.1**	240 U	**82 J**
Total VOCs		TVOCs	NE	NE		**40.397**	**309.89**	**798.3**	**360.36**	**529.95**	**45844**	**293200**	**74408**	**3895.8**	**2576.5**	**320.15**	**8605**	**8245**

Table 5-11
Summary of Air Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	**SV-01**	**SV-02**	**SV-03**	**SV-04**	**SV-05**	**SV-06**	**SV-07**
					Sample Name	**SV-1**	**SV-2**	**SV-3**	**SV-4**	**SV-5**	**SV-6**	**SV-7**
					Sample Date	**8/12/2015**	**8/12/2015**	**8/12/2015**	**8/12/2015**	**8/12/2015**	**8/12/2015**	**8/12/2015**
Analyte	**Units**	**CAS No.**	**EPA BASE Indoor Air Concentrations 95th Percentile[2]**	**NYDOH Table3.1**								
SSO Air	ug/m^3											
1,1,1-Trichloroethane		71-55-6	33	NE		11 U	**270**	**68**	5.5 U	**50000**	**64**	**8**
1,1,2,2-Tetrachloroethane		79-34-5	NE	NE		14 U	6.9 U	4.1 U	6.9 U	450 U	11 U	5.5 U
1,1,2-Trichloro-1,2,2-Trifluoroethane		76-13-1	NE	NE		15 U	7.7 U	4.6 U	7.7 U	500 U	12 U	6.1 U
1,1,2-Trichloroethane		79-00-5	1.6	NE		11 U	5.5 U	3.3 U	5.5 U	360 U	8.7 U	4.4 U
1,1-Dichloroethane		75-34-3	0.8	NE		**22**	**2.5 J**	2.4 U	4 U	**520**	6.5 U	3.2 U
1,1-Dichloroethene		75-35-4	1.6	NE		7.9 U	4 U	2.4 U	4 U	**140 J**	6.3 U	3.2 U
1,2,4-Trichlorobenzene		120-82-1	7.2	NE		37 U	19 U	11 U	19 U	1200 U	30 U	15 U
1,2,4-Trimethylbenzene		95-63-6	13.7	NE		**21**	**14**	**15**	**13**	320 U	**12**	**11**
1,2-Dibromoethane (Ethylene Dibromide)		106-93-4	1.6	NE		15 U	7.7 U	4.6 U	7.7 U	500 U	12 U	6.1 U
1,2-Dichlorobenzene		95-50-1	1.3	NE		12 U	6 U	3.6 U	6 U	390 U	9.6 U	4.8 U
1,2-Dichloroethane		107-06-2	1	NE		8.1 U	4 U	2.4 U	4 U	260 U	6.5 U	3.2 U
1,2-Dichloropropane		78-87-5	1.7	NE		9.2 U	4.6 U	2.8 U	4.6 U	300 U	7.4 U	3.7 U
1,2-Dichlorotetrafluoroethane		76-14-2	NE	NE		14 U	7 U	4.2 U	7 U	460 U	11 U	5.6 U
1,3,5-Trimethylbenzene (Mesitylene)		108-67-8	4.6	NE		**6.7 J**	**4.1 J**	**5.1**	**3.6 J**	320 U	**4.1 J**	**2.8 J**
1,3-Butadiene		106-99-0	7.5	NE		4.4 U	2.2 U	1.3 U	2.2 U	140 U	3.5 U	1.8 U
1,3-Dichlorobenzene		541-73-1	2.5	NE		**5.6 J**	**3.9 J**	**2.3 J**	**4 J**	390 U	**1.8 J**	**4.6 J**
1,4-Dichlorobenzene		106-46-7	12.5	NE		12 U	6 U	3.6 U	6 U	390 U	9.6 U	4.8 U
1,4-Dioxane (P-Dioxane)		123-91-1	NE	NE		180 U	90 U	54 U	90 U	5900 U	140 U	72 U
2,2,4-Trimethylpentane		540-84-1	NE	NE		9.3 U	4.7 U	**4**	**2.9 J**	310 U	**4.5 J**	3.7 U
2-Chlorotoluene		95-49-8	NE	NE		10 U	5.2 U	3.1 U	5.2 U	340 U	8.3 U	4.1 U
2-Hexanone		591-78-6	NE	NE		20 U	10 U	6.1 U	10 U	670 U	16 U	8.2 U
4-Ethyltoluene		622-96-8	5.9	NE		**3.6 J**	**3 J**	**3**	**2.1 J**	320 U	**2.3 J**	**2.1 J**
Acetone		67-64-1	120.2	NE		**300**	**220**	**120**	**210**	3900 U	**180**	**210**
Allyl Chloride (3-Chloropropene)		107-05-1	NE	NE		16 U	7.8 U	4.7 U	7.8 U	510 U	13 U	6.3 U
Benzene		71-43-2	12.5	NE		**110**	**16**	**7.5**	**16**	210 U	**18**	**11**
Benzyl Chloride		100-44-7	7.2	NE		10 U	5.2 U	3.1 U	5.2 U	340 U	8.3 U	4.1 U
Bromodichloromethane		75-27-4	NE	NE		13 U	6.7 U	4 U	6.7 U	440 U	11 U	5.4 U
Bromoform		75-25-2	NE	NE		21 U	10 U	6.2 U	10 U	680 UT	17 U	8.3 U
Bromomethane		74-83-9	2.1	NE		7.8 U	3.9 U	2.3 U	3.9 U	250 U	6.2 U	3.1 U
Carbon Disulfide		75-15-0	6.4	NE		**54**	**14**	**40**	**47**	510 U	**38**	**10**
Carbon Tetrachloride		56-23-5	0.7	NE		2.5 U	1.3 U	0.75 U	1.3 U	82 U	2 U	1 U
Chlorobenzene		108-90-7	1	NE		9.2 U	4.6 U	2.8 U	4.6 U	300 U	7.4 U	3.7 U
Chloroethane		75-00-3	1.3	NE		**15**	6.6 U	3.9 U	6.6 U	430 U	11 U	5.3 U
Chloroform		67-66-3	1.4	NE		9.8 U	4.9 U	**1.7 J**	4.9 U	320 U	**9**	3.9 U
Chloromethane		74-87-3	4.4	NE		10 U	5.2 U	3.1 U	5.2 U	340 U	8.3 U	4.1 U
Cis-1,2-Dichloroethylene		156-59-2	2	NE		7.9 U	4 U	2.4 U	4 U	260 U	6.3 U	3.2 U
Cis-1,3-Dichloropropene		10061-01-5	2.5	NE		9.1 U	4.5 U	2.7 U	4.5 U	300 U	7.3 U	3.6 U
Cyclohexane		110-82-7	NE	NE		**76**	3.4 U	**3.4**	3.4 U	230 U	5.5 U	2.8 U

Table 5-11
Summary of Air Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

					Location Name	**SV-01**	**SV-02**	**SV-03**	**SV-04**	**SV-05**	**SV-06**	**SV-07**
					Sample Name	**SV-1**	**SV-2**	**SV-3**	**SV-4**	**SV-5**	**SV-6**	**SV-7**
					Sample Date	**8/12/2015**	**8/12/2015**	**8/12/2015**	**8/12/2015**	**8/12/2015**	**8/12/2015**	**8/12/2015**
Analyte	**Units**	**CAS No.**	**EPA BASE Indoor Air Concentrations 95th Percentile[2]**	**NYDOH Table3.1**								
SSO Air	ug/m^3											
Dibromochloromethane		124-48-1	NE	NE		17 U	8.5 U	5.1 U	8.5 U	560 U	14 U	6.8 U
Dichlorodifluoromethane		75-71-8	32.9	NE		25 U	**3.3 J**	**2.1 J**	**2.3 J**	810 U	20 U	**2.1 J**
Ethanol		64-17-5	290	NE		**1200**	**700**	**400**	**740**	**790 J**	**1300**	**650**
Ethyl Acetate		141-78-6	9.5	NE		180 U	90 U	54 U	90 U	5900 U	140 U	72 U
Ethylbenzene		100-41-4	7.6	NE		**11**	**4.1 J**	**8.7**	**8.7**	280 U	**7.5**	**3.2 J**
Hexachlorobutadiene		87-68-3	7.2	NE		21 U	11 U	6.4 U	11 U	700 U	17 U	8.5 U
Isopropanol		67-63-0	475	NE		**49 J**	61 U	37 U	**16 J**	4000 U	**53 J**	49 U
m,p-Xylene		179601-23-1	NE	NE		**46**	**19**	**36**	**35**	710 U	**30**	**16**
Methyl Ethyl Ketone (2-Butanone)		78-93-3	13.5	NE		**20**	**12**	**7.1**	**12**	480 U	12 U	**14**
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		108-10-1	8.1	NE		**54**	**18**	**7**	**35**	670 U	**39**	**7.1 J**
Methylene Chloride		75-09-2	16	60		17 U	8.7 U	5.2 U	8.7 U	570 U	14 U	6.9 U
N-Heptane		142-82-5	NE	NE		**47**	**1.7 J**	**4.1**	**3.7 J**	270 U	**5.4 J**	**1.6 J**
N-Hexane		110-54-3	15.2	NE		**300**	3.5 U	**2.3**	3.5 U	230 U	**3.1 J**	2.8 U
O-Xylene (1,2-Dimethylbenzene)		95-47-6	11.2	NE		**18**	**7.9**	**14**	**14**	280 U	**12**	**6.4**
Propylene		115-07-1	NE	NE		86 U	43 U	26 U	43 U	2800 U	69 U	34 U
Styrene		100-42-5	4.3	NE		**1.6 J**	4.3 U	**1.2 J**	4.3 U	280 U	6.8 U	3.4 U
Tert-Butyl Alcohol		75-65-0	NE	NE		**470**	**190**	**88**	**140**	**210 J**	**200**	**150**
Tert-Butyl Methyl Ether		1634-04-4	16.1	NE		7.2 U	3.6 U	2.2 U	3.6 U	240 U	5.8 U	2.9 U
Tetrachloroethylene (PCE)		127-18-4	25.4	100		**120**	**54**	**72**	**85**	89 U	**91**	**50**
Tetrahydrofuran		109-99-9	NE	NE		**45 NJ**	74 U	**31 J**	**24 J**	4800 U	**44 J**	59 U
Toluene		108-88-3	70.8	NE		**64**	**12**	**140**	**37**	250 U	**170**	**6.5**
Trans-1,2-Dichloroethene		156-60-5	NE	NE		7.9 U	4 U	2.4 U	4 U	260 U	6.3 U	3.2 U
Trans-1,3-Dichloropropene		10061-02-6	1.3	NE		9.1 U	4.5 U	2.7 U	4.5 U	300 U	7.3 U	3.6 U
Trichloroethylene (TCE)		79-01-6	6.5	5		**9**	**110**	**15**	**4.7**	**320**	**8.6**	**1.8**
Trichlorofluoromethane		75-69-4	54	NE		11 U	**4 J**	**2 J**	5.6 U	370 U	9 U	4.5 U
Vinyl Acetate		108-05-4	NE	NE		180 U	88 U	53 U	88 U	5800 U	140 U	70 U
Vinyl Bromide		593-60-2	NE	NE		8.7 U	4.4 U	2.6 U	4.4 U	290 U	7 U	3.5 U
Vinyl Chloride		75-01-4	2.2	NE		**0.7 J**	0.51 U	0.31 U	0.51 U	33 U	0.82 U	0.41 U
Xylenes, Total		XYLENES	NE	NE		**66**	**26**	**50**	**48**	990 U	**42**	**22**
Total VOCs		TVOCs	NE	NE		**3066.2**	**1683.5**	**1100.5**	**1456**	**51980**	**2297.3**	**1168.2**

Table 5-11
Summary of Air Analytical Results
South Shore Outdoor
1760 Fifth Avenue
Bay Shore, NY

Notes:

Analytes in blue are not detected in any sample
ug/m^3 = micrograms per cubic meter

NYSDOH = New York State Department of Health
BASE Reference [2] Source: NYSDOH, October 2006. Summary of Indoor and Outdoor Levels of Volatile Organic Compounds from selected public and commercial office buildings reported in various locations within office settings in NYS, 1994-1996.
* Indicates values from Table 3.1 of NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York.

EPA = Environmental Protection Agency

CAS No. = Chemical Abstracts Service Number
NE = Not Established

Bolding indicates a detected result concentration
Shading and bolding indicates that the detected concentration is above the guidance it was compared to

Data Qualifiers:
J = The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
NJ = The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
U = The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
UT = The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit; LCS or LCSD is outside acceptance limits. (The "T" qualifier is presented as an "*" in the hard copy data report.

FIGURES

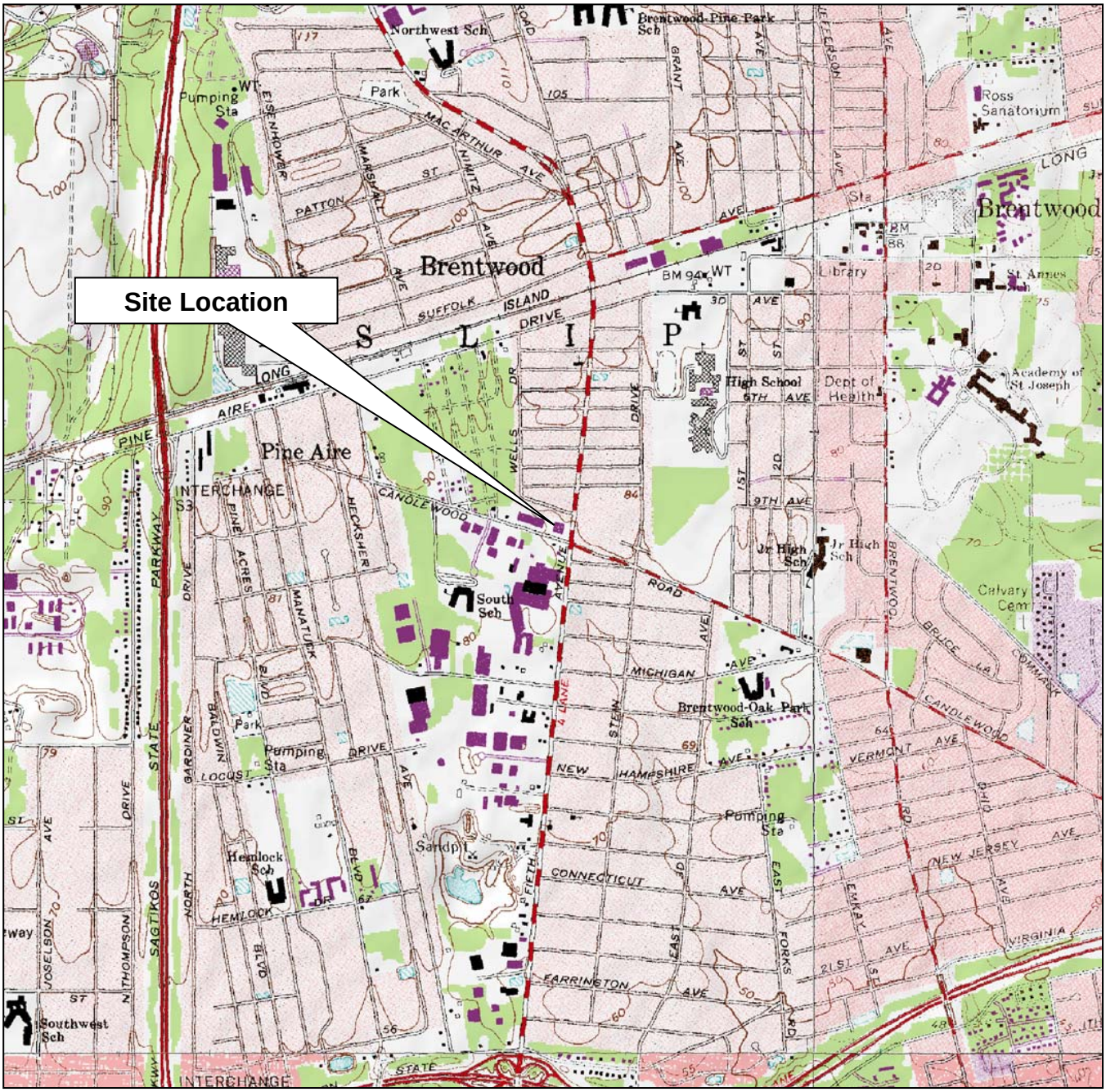


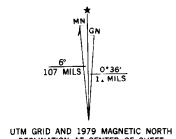
FIGURE 1-1

SITE LOCATION MAP

(GREENLAWN USGS 7.5 MIN. TOPOGRAPHICAL QUADRANGLE)

Site Coordinates
Latitude 40°46'7.19"N
Longitude 73°15'41.90"W
Elevation = 79' (WGS84)

South Shore Outdoor
1760 5th Ave
Bay Shore, NY 11706



UTM GRID AND 1979 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24000

1 1/2 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929



Legend

- Site Location
- 1/4 Mile Radius
- 1/2 Mile Radius

N

0 175 350 700 1,050 1,400

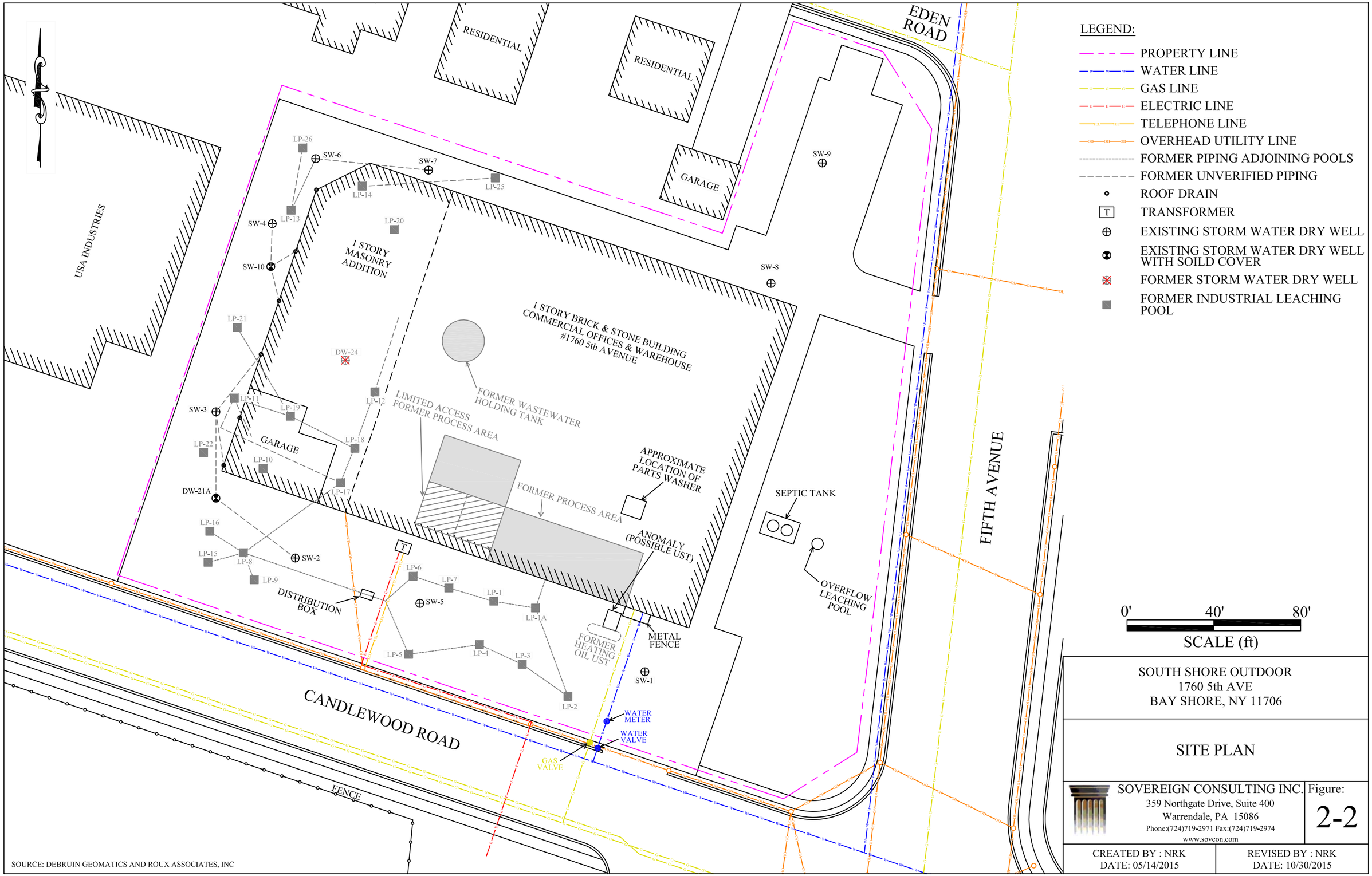
Scale (ft)

South Shore Outdoor
1760 5th Ave.
Bay Shore, NY 11706

Local Area Aerial Map

SOVEREIGN CONSULTING INC.
290 Executive Drive, Suite 300
Cranberry Twp., PA 16066
Phone: (724) 553-5084 Fax: (724) 553-5089
www.sovcon.com

Figure:
2-1



SOURCE: DEBRUIN GEOMATICS AND ROUX ASSOCIATES, INC

SOUTH SHORE OUTDOOR
1760 5th AVE
BAY SHORE, NY 11706

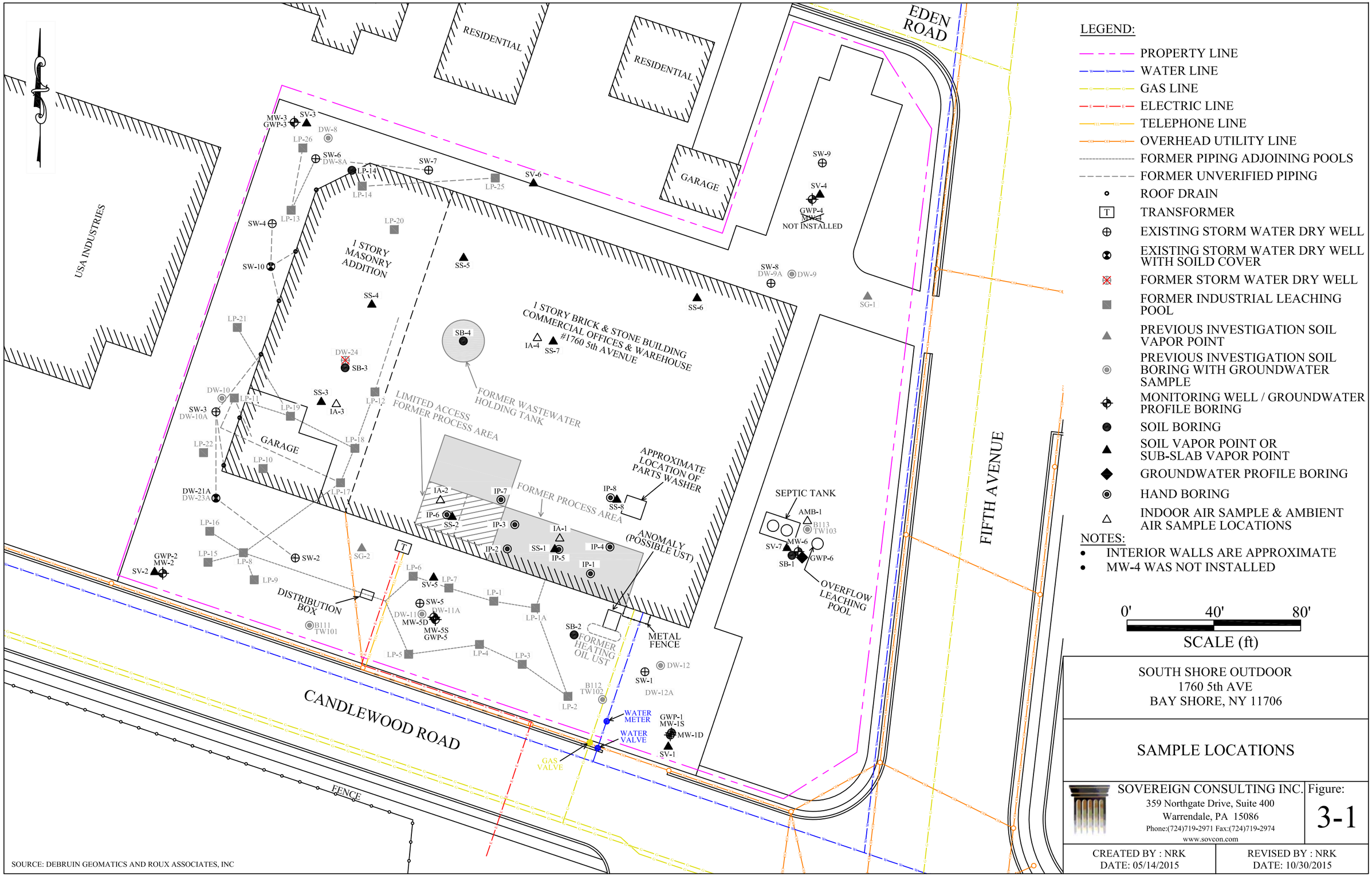
SITE PLAN

SOVEREIGN CONSULTING INC.
359 Northgate Drive, Suite 400
Warrendale, PA 15086
Phone:(724)719-2971 Fax:(724)719-2974
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Figure: 2-2

CREATED BY : NRK
DATE: 05/14/2015

REVISED BY : NRK
DATE: 10/30/2015



LEGEND:

- PROPERTY LINE
- WATER LINE
- GAS LINE
- ELECTRIC LINE
- TELEPHONE LINE
- OVERHEAD UTILITY LINE
- FORMER PIPING ADJOINING POOLS
- FORMER UNVERIFIED PIPING
- ROOF DRAIN
- T TRANSFORMER
- EXISTING STORM WATER DRY WELL
- EXISTING STORM WATER DRY WELL WITH SOILD COVER
- FORMER STORM WATER DRY WELL
- FORMER INDUSTRIAL LEACHING POOL
- PREVIOUS INVESTIGATION SOIL VAPOR POINT
- PREVIOUS INVESTIGATION SOIL BORING WITH GROUNDWATER SAMPLE
- MONITORING WELL / GROUNDWATER PROFILE BORING
- SOIL BORING
- SOIL VAPOR POINT OR SUB-SLAB VAPOR POINT
- GROUNDWATER PROFILE BORING
- HAND BORING
- INDOOR AIR SAMPLE & AMBIENT AIR SAMPLE LOCATIONS

NOTES:

- INTERIOR WALLS ARE APPROXIMATE
- MW-4 WAS NOT INSTALLED

0' 40' 80'

SCALE (ft)

SOUTH SHORE OUTDOOR
1760 5th AVE
BAY SHORE, NY 11706

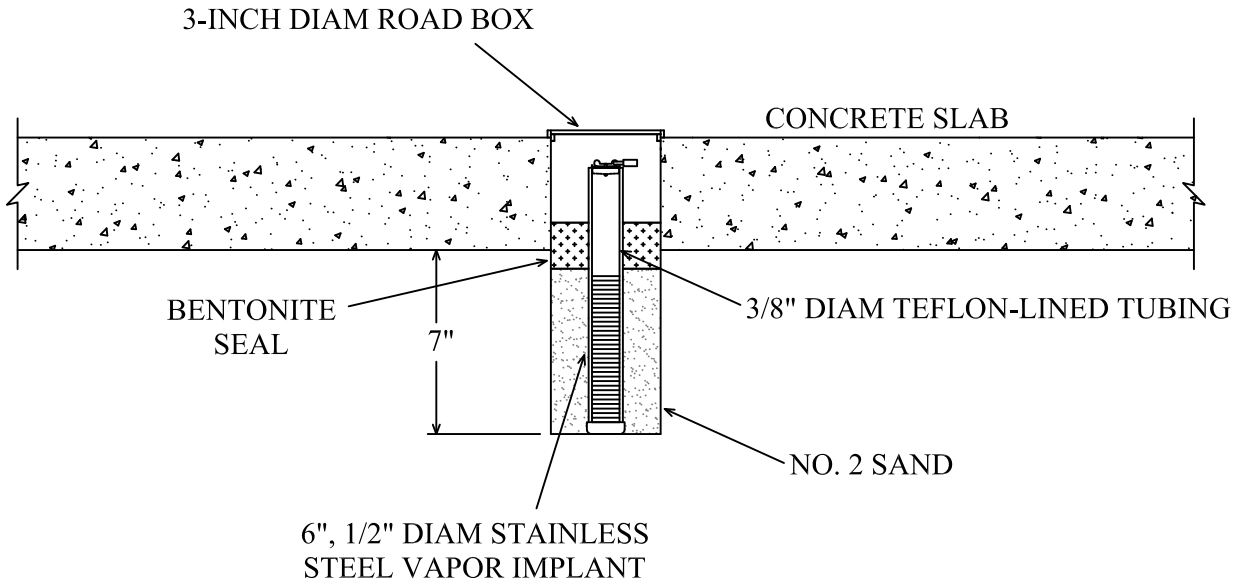
SAMPLE LOCATIONS

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Figure: 3-1

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REVISED BY : NRK
DATE: 10/30/2015



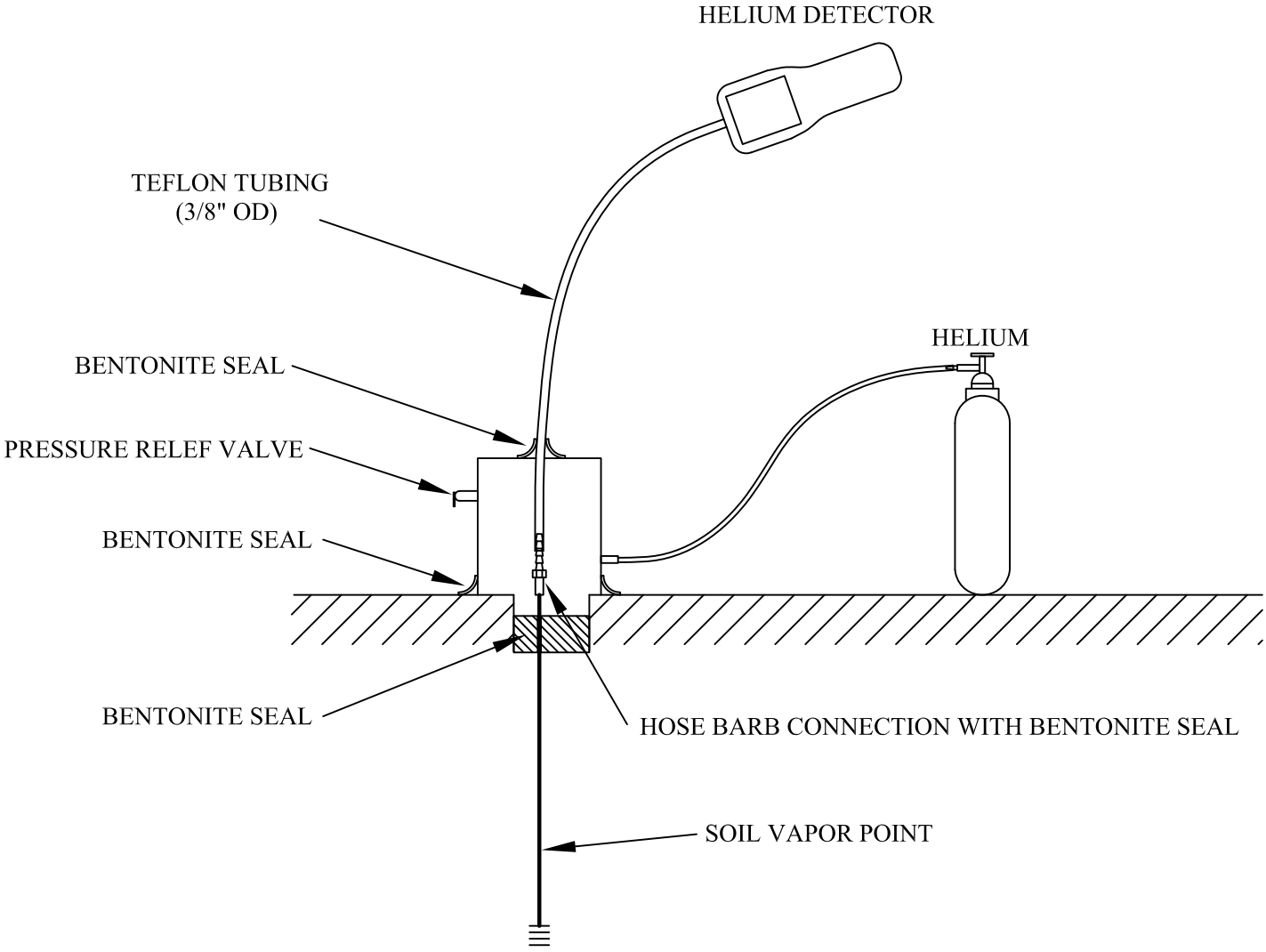
NOT TO SCALE

SOUTH SHORE OUTDOOR
1760 5th AVE
BAY SHORE, NY 11706

TYPICAL SUB-SLAB VAPOR POINT

SOVEREIGN CONSULTING INC.
290 Executive Drive, Suite 300
Cranberry Twp., Pennsylvania 16066
Phone:(724)553-5084 Fax:(724)553-5089
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Figure:
4-1



NOTES:

SYSTEM TIGHTNESS TESTED FIRST WITH THE HELIUM DETECTOR, THEN SAMPLES DRAWN FOR LABORATORY ANALYSIS FROM SAME TUBE.

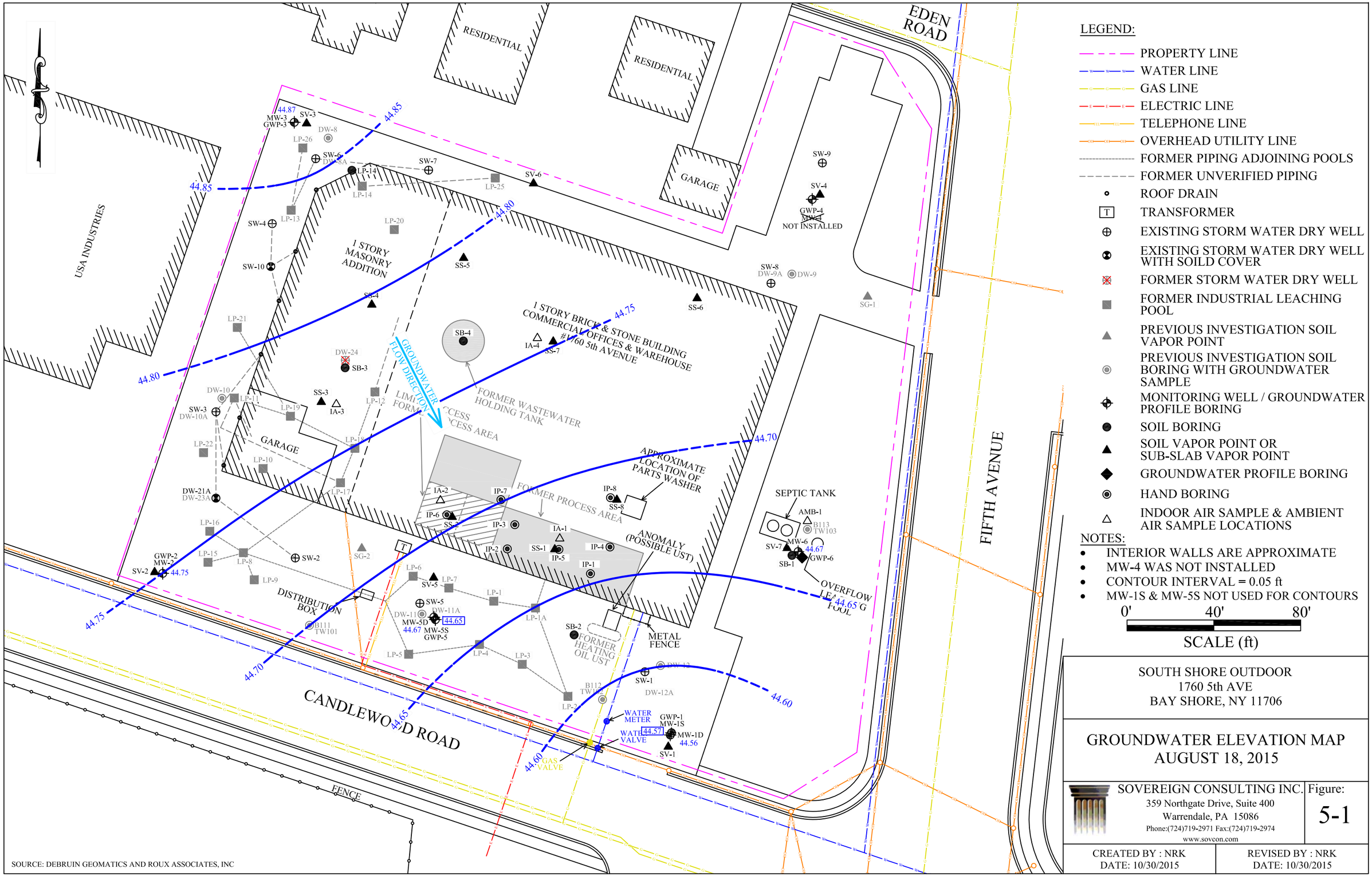
NOT TO SCALE

SOUTH SHORE OUTDOOR
1760 5th AVE
BAY SHORE, NY 11706

HELIUM TRACER TEST CONFIGURATION

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Cranberry Twp., Pennsylvania 16066
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Figure: 4-2



LEGEND:

- PROPERTY LINE
- WATER LINE
- GAS LINE
- ELECTRIC LINE
- TELEPHONE LINE
- OVERHEAD UTILITY LINE
- FORMER PIPING ADJOINING POOLS
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- TRANSFORMER
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- EXISTING STORM WATER DRY WELL WITH SOILD COVER
- FORMER STORM WATER DRY WELL
- FORMER INDUSTRIAL LEACHING POOL
- PREVIOUS INVESTIGATION SOIL VAPOR POINT
- PREVIOUS INVESTIGATION SOIL BORING WITH GROUNDWATER SAMPLE
- MONITORING WELL / GROUNDWATER PROFILE BORING
- SOIL BORING
- SOIL VAPOR POINT OR SUB-SLAB VAPOR POINT
- GROUNDWATER PROFILE BORING
- HAND BORING
- INDOOR AIR SAMPLE & AMBIENT AIR SAMPLE LOCATIONS

NOTES:

- INTERIOR WALLS ARE APPROXIMATE
- MW-4 WAS NOT INSTALLED
- CONTOUR INTERVAL = 0.05 ft
- MW-1S & MW-5S NOT USED FOR CONTOURS

0' 40' 80'

SCALE (ft)

SOURCE: DEBRUIN GEOMATICS AND ROUX ASSOCIATES, INC

SOUTH SHORE OUTDOOR
1760 5th AVE
BAY SHORE, NY 11706

GROUNDWATER ELEVATION MAP AUGUST 18, 2015

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Figure: 5-1

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DATE: 10/30/2015

SW-6 (10'-11')	
BENZO(A)PYRENE	1,400 µg/kg
COPPER	360 mg/kg

SW-4 (9'-10')	
BENZO(A)PYRENE	2,000 µg/kg
COPPER	340 mg/kg

LP-19 (10'-11')	
BARIUM	520 mg/kg
CADMIUM	21 mg/kg
COPPER	730 mg/kg
LEAD	1,300 mg/kg

LP-20 (15'-17')	
COPPER	450 mg/kg

IP-5 (0'-2')	
COPPER	1,300 mg/kg
LEAD	3,700 mg/kg

LP-1A (15'-17')	
COPPER	410 mg/kg
LEAD	2,000 mg/kg

LP-8 (5'-10')	
COPPER	410 mg/kg

SW-5 (19'-21')	
COPPER	300 mg/kg

LP-1 (17'-18')	
COPPER	19,000 mg/kg
LEAD	4,200 mg/kg
CYANIDE	47 mg/kg

RESIDENTIAL
RESIDENTIAL
EDEN ROAD
GARAGE
USA INDUSTRIES
1 STORY MASONRY ADDITION
1 STORY BRICK & STONE BUILDING
COMMERCIAL OFFICES & WAREHOUSE
#1760 5th AVENUE
LIMITED ACCESS FORMER PROCESS AREA
FORMER WASTEWATER HOLDING TANK
FORMER PROCESS AREA
APPROXIMATE LOCATION OF PARTS WASHER
ANOMALY (POSSIBLE UST)
GARAGE
SEPTIC TANK
OVERFLOW LEACHING POOL
FORMER HEATING OIL UST
METAL FENCE
DISTRIBUTION BOX
CANDLEWOOD ROAD
FIFTH AVENUE
WATER METER
WATER VALVE
GAS VALVE
NOT INSTALLED
MW-3 GWP-3
SV-3
DW-8
LP-26
SW-6
DW-8A
LP-14
SW-7
LP-25
SV-6
LP-13
SW-4
LP-20
SW-10
SS-5
SS-4
SS-6
SW-8
DW-9A
DW-9
SG-1
SW-9
SV-4
GWP-4
MW-4
LP-21
SB-4
DW-24
SB-3
IA-4
SS-7
DW-10
LP-11
SW-3
DW-10A
LP-19
SS-3
IA-3
LP-12
LP-18
LP-22
LP-10
LP-17
DW-21A
DW-23A
LP-16
LP-15
LP-8
SW-2
SG-2
GWP-2
MW-2
SV-2
LP-9
T
LP-6
SV-5
LP-7
LP-1
SW-5
DW-11
DW-11A
MW-5D
MW-5S
GWP-5
B111
TW101
LP-1A
SB-2
LP-5
LP-4
LP-3
DW-12
SW-1
DW-12A
B112
TW102
LP-2
GWP-1
MW-1S
MW-1D
SV-1
IA-2
IP-7
IP-8
SS-8
IP-6
SS-2
IP-3
IA-1
IP-2
SS-1
IP-5
IP-4
IP-1
AMB-1
B113
TW103
MW-6
SV-7
SB-1
GWP-6

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- HAND BORING
- INDOOR AIR SAMPLE & AMBIENT AIR SAMPLE LOCATIONS

NOTES:

- INTERIOR WALLS ARE APPROXIMATE
- MW-4 WAS NOT INSTALLED
- ORGANIC RESULTS REPORTED IN µg/kg
  INORGANIC RESULTS REPORTED IN mg/kg

0' 40' 80'

SCALE (ft)

SOURCE: DEBRUIN GEOMATICS AND ROUX ASSOCIATES, INC

SOUTH SHORE OUTDOOR
1760 5th AVE
BAY SHORE, NY 11706

SOIL ANALYTICAL RESULTS
ABOVE COMMERCIAL-USE
SOIL CLEAN-UP OBJECTIVES
JUNE 22 - JULY 14, 2015

SOVEREIGN CONSULTING INC.
359 Northgate Drive, Suite 400
Warrendale, PA 15086
Phone:(724)719-2971 Fax:(724)719-2974
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Figure: 5-2

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DATE: 10/28/2015

REVISED BY : NRK
DATE: 10/30/2015

MW-3	
MANGANESE	1,200 µg/L
SODIUM	29,000 µg/L

MW-2	
SODIUM	62,000 µg/L

MW-5D	
IRON	1,200 µg/L
NICKLE	450 µg/L
SODIUM	26,000 µg/L
THALLIUM	2.4 µg/L

MW-5S	
1,1,1-Trichloroethane	1,600 µg/L
1,1-Dichloroethene	250 µg/L
COPPER	220 µg/L

MW-1D	
COPPER	960 µg/L
IRON	340 µg/L
SODIUM	31,000 µg/L

MW-1S	
COPPER	470 µg/L
IRON	460 µg/L
SODIUM	24,000 µg/L

RESIDENTIAL
RESIDENTIAL
EDEN ROAD
GARAGE
USA INDUSTRIES
1 STORY MASONRY ADDITION
1 STORY BRICK & STONE BUILDING
COMMERCIAL OFFICES & WAREHOUSE
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GAS VALVE
SEPTIC TANK
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NOT INSTALLED
MW-3 GWP-3
SV-3
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LP-26
SW-6
DW-8A
LP-14
SW-7
LP-25
SV-6
SW-4
LP-13
LP-20
SW-10
SS-5
SS-4
SS-6
SW-8
DW-9A
DW-9
SG-1
SW-9
SV-4
GWP-4
MW-4
LP-21
SB-4
IA-4
SS-7
DW-24
SB-3
DW-10
LP-11
SW-3
DW-10A
SS-3
IA-3
LP-19
LP-12
LP-18
LP-22
LP-10
LP-17
DW-21A
DW-23A
LP-16
LP-15
LP-8
SW-2
LP-9
SG-2
GWP-2
MW-2
SV-2
IA-2
IP-7
IP-6
SS-2
IP-3
IA-1
IP-2
SS-1
IP-5
IP-4
IP-1
IP-8
SS-8
T
LP-6
SV-5
LP-7
LP-1
SW-5
DW-11
DW-11A
MW-5D
MW-5S
GWP-5
LP-5
LP-4
LP-3
LP-1A
SB-2
DW-12
SW-1
DW-12A
B112
TW102
LP-2
WATER METER
WATER VALVE
GAS VALVE
GWP-1
MW-1S
MW-1D
SV-1
AMB-1
B113
TW103
SV-7
MW-6
GWP-6
SB-1
B111
TW101

LEGEND:

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- INDOOR AIR SAMPLE & AMBIENT AIR SAMPLE LOCATIONS

NOTES:

- INTERIOR WALLS ARE APPROXIMATE
- MW-4 WAS NOT INSTALLED
- RESULTS REPORTED IN µg/L

0' 40' 80'

SCALE (ft)

SOURCE: DEBRUIN GEOMATICS AND ROUX ASSOCIATES, INC

SOUTH SHORE OUTDOOR
1760 5th AVE
BAY SHORE, NY 11706

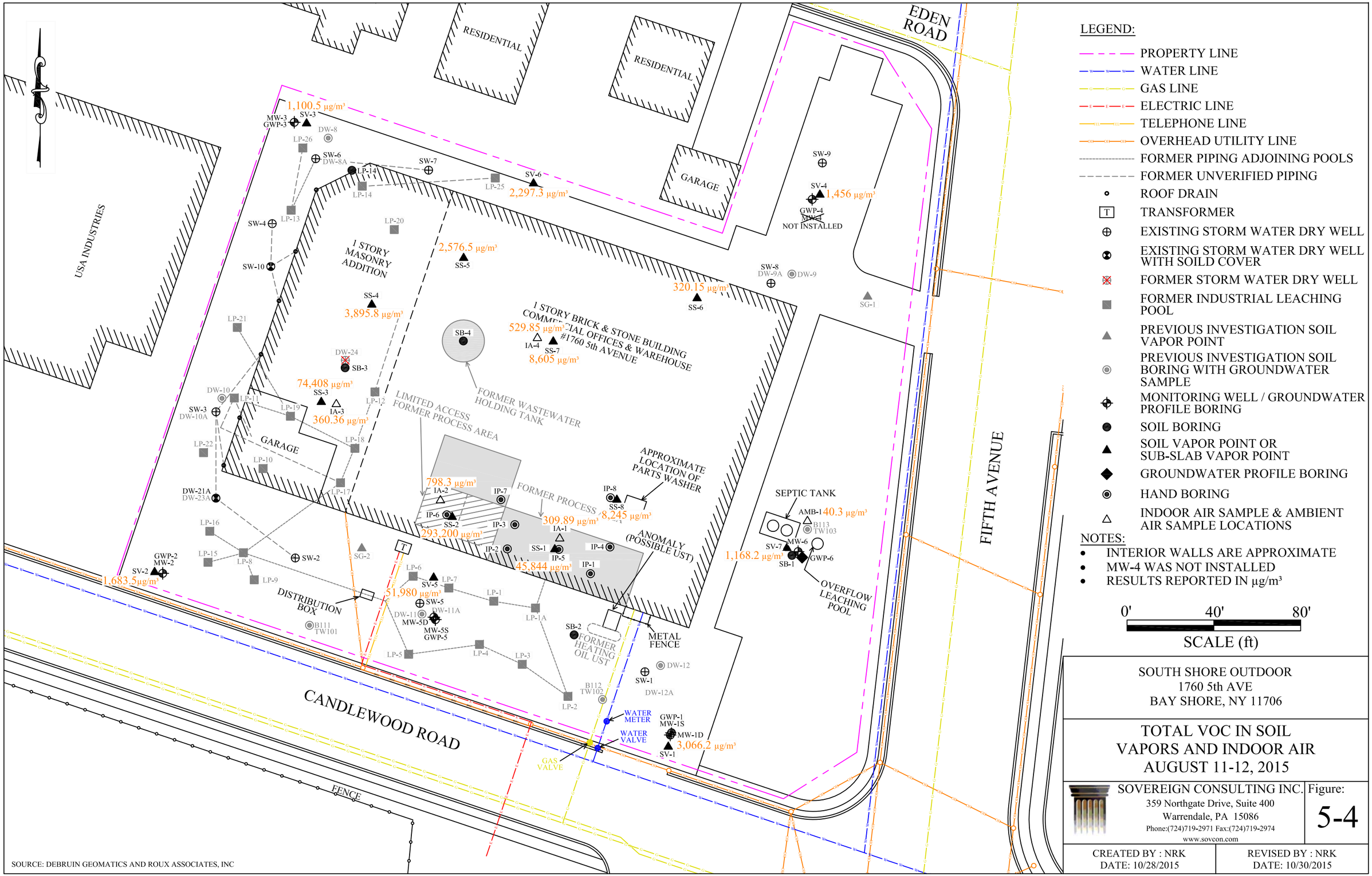
GROUNDWATER ANALYTICAL RESULTS
ABOVE NYSDEC CLASS GA
STANDARDS/GUIDANCE VALUES
AUGUST 18-20, 2015

SOVEREIGN CONSULTING INC.
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Warrendale, PA 15086
Phone:(724)719-2971 Fax:(724)719-2974
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Figure: 5-3

CREATED BY : NRK
DATE: 10/28/2015

REVISED BY : NRK
DATE: 10/30/2015



SOURCE: DEBRUIN GEOMATICS AND ROUX ASSOCIATES, INC

SOUTH SHORE OUTDOOR
1760 5th AVE
BAY SHORE, NY 11706

TOTAL VOC IN SOIL VAPORS AND INDOOR AIR AUGUST 11-12, 2015

SOVEREIGN CONSULTING INC.
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Warrendale, PA 15086
Phone:(724)719-2971 Fax:(724)719-2974
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Figure: 5-4

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DATE: 10/28/2015

REVISED BY : NRK
DATE: 10/30/2015

Appendix A

Historic Soil-Groundwater Summary Tables

Table 1. Summary of Metals in Sludge Samples from Industrial Leaching Pools, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in mg/L)		Pool 10	Pool 11	Pool 12	Pool 13
	Sample Designation:	Pool 10	Pool 11	Pool 12	Pool 13
	Sampler:	SUFFOLK COUNTY	SUFFOLK COUNTY	SUFFOLK COUNTY	SUFFOLK COUNTY
	Sample Date:	03/20/85	03/20/85	03/20/85	03/20/85
	Sample Depth (ft):	NA	NA	NA	NA
Lead, Dissolved		**260**	**1600**	**650**	**550**

mg/L -Milligrams per liter

NA- Not Available

Table 1. Summary of Metals in Sludge Samples from Industrial Leaching Pools, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in mg/L)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	Pool 14 / SUFFOLK COUNTY / 03/20/85 / NA	Pool 15 / SUFFOLK COUNTY / 4/23/85-4/24/85 / NA	Pool 16 / SUFFOLK COUNTY / 4/23/85-4/24/85 / NA	Pool 17 / SUFFOLK COUNTY / 4/23/85-4/24/85 / NA
Lead, Dissolved		**44**	**7700**	**600**	**4000**

mg/L -Milligrams per liter

NA- Not Available

Table 1. Summary of Metals in Sludge Samples from Industrial Leaching Pools, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in mg/L)		Pool 18	Pool 19	Pool 20	Pool 21
	Sample Designation:	Pool 18	Pool 19	Pool 20	Pool 21
	Sampler:	SUFFOLK COUNTY	SUFFOLK COUNTY	SUFFOLK COUNTY	SUFFOLK COUNTY
	Sample Date:	4/23/85-4/24/85	4/23/85-4/24/85	4/23/85-4/24/85	4/23/85-4/24/85
	Sample Depth (ft):	NA	NA	NA	NA
Lead, Dissolved		**5000**	**5400**	**310**	**3600**

mg/L -Milligrams per liter

NA- Not Available

Table 1. Summary of Metals in Sludge Samples from Industrial Leaching Pools, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in mg/L)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	Pool 22 / SUFFOLK COUNTY / 4/23/85-4/24/85 / NA	Pool 23 / SUFFOLK COUNTY / 4/23/85-4/24/85 / NA	Pool 24 / SUFFOLK COUNTY / 4/23/85-4/24/85 / NA
Lead, Dissolved		**970**	**200**	**98**

mg/L -Milligrams per liter

NA- Not Available

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** **Sampler:** **Sample Date:** **Sample Depth (ft):**	DW-11 ROUX 4/2/2013 19-21.5	B111-S7-072111 RANSOM 7/21/2011 30-35	B113-S6-072111 RANSOM 7/21/2011 25-30
1,1,1,2-Tetrachloroethane	--	--	--		200 U	2.8 U	2.9 J
1,1,1-Trichloroethane	**680**	500000	*680*		***63000***	2.8 U	2.9 U
1,1,2,2-Tetrachloroethane	--	--	--		200 U	2.8 U	2.9 U
1,1,2-Trichloroethane	--	--	--		200 U	4.3 U	4.4 U
1,1-Dichloroethane	**270**	24000	*270*		250	4.3 U	4.4 U
1,1-Dichloroethene	**330**	500000	*330*		140 J	2.8 U	2.9 J
1,1-Dichloropropene	--	--	--		200 U	14 U	14 U
1,2,3-Trichlorobenzene	--	--	--		200 U	14 U	14 U
1,2,3-Trichloropropane	--	--	--		200 U	28 U	29 J
1,2,4,5-Tetramethylbenzene	--	--	--		200 U	11 U	12 J
1,2,4-Trichlorobenzene	--	--	--		200 U	14 U	14 U
1,2,4-Trimethylbenzene	**3600**	190000	*3600*		200 U	14 U	14 U
1,2-Dibromo-3-chloropropan	--	--	--		200 U	14 U	14 U
1,2-Dibromoethane	--	--	--		200 U	11 U	12 J
1,2-Dichlorobenzene	**1100**	500000	*1100*		200 U	14 U	14 J
1,2-Dichloroethane	**20**	30000	*20*		200 U	2.8 U	2.9 U
1,2-Dichloropropane	--	--	--		200 U	9.9 U	10 U
1,3,5-Trimethylbenzene	**8400**	190000	*8400*		200 U	14 U	14 U
1,3-Dichlorobenzene	**2400**	280000	*2400*		200 U	14 U	14 J
1,4-Dichlorobenzene	**1800**	130000	*1800*		200 U	1 U	14 J
1,4-Diethylbenzene	--	--	--		200 U	11 U	12 J
2,2-Dichloropropane	--	--	--		200 U	14 U	14 U
2-Butanone	**120**	500000	*120*		990 U	28 U	29 J
2-Hexanone	--	--	--		990 U	28 U	29 J
4-Ethyltoluene	--	--	--		200 U	11 U	12 J
4-Methyl-2-pentanone	--	--	--		990 U	28 U	29 J
Acetone	**50**	500000	*50*		990 U	28 U	29 J
Acrylonitrile	--	--	--		200 U	28 U	29 J
Benzene	**60**	44000	*60*		200 U	2.8 U	2.9 U
Bromobenzene	--	--	--		200 U	14 U	15 U
Bromochloromethane	--	--	--		200 U	14 U	14 U

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	DW-11 ROUX 4/2/2013 19-21.5	B111-S7-072111 RANSOM 7/21/2011 30-35	B113-S6-072111 RANSOM 7/21/2011 25-30
Bromodichloromethane	--	--	--		200 U	2.8 U	2.9 U
Bromoform	--	--	--		200 U	11 U	12 U
Bromomethane	--	--	--		200 U	5.7 U	5.8 J
Carbon disulfide	--	--	--		200 U	28 U	29 J
Carbon tetrachloride	**760**	22000	*760*		200 U	2.8 U	2.9 U
Chlorobenzene	**1100**	500000	*1100*		200 U	2.8 U	2.9 U
Chloroethane	--	--	--		200 U	5.7 U	5.8 J
Chloroform	**370**	350000	*370*		200 U	4.3 U	4.4 U
Chloromethane	--	--	--		200 U	14 U	14 U
cis-1,2-Dichloroethene	**250**	500000	*250*		200 U	2.8 U	2.9 J
cis-1,3-Dichloropropene	--	--	--		200 U	2.8 U	2.9 U
Cyclohexane	--	--	--		200 U	NA	NA
Dibromochloromethane	--	--	--		200 U	2.8 U	2.9 U
Dibromochloropropane	--	--	--		200 U	NA	NA
Dibromomethane	--	--	--		200 U	28 U	29 J
Dichlorodifluoromethane	--	--	--		200 U	28 U	29 J
Ethyl ether	--	--	--		200 U	14 U	14 U
Ethylbenzene	**1000**	390000	*1000*		200 U	2.8 U	2.9 U
Freon 113	--	--	--		200 U	NA	NA
Hexachlorobutadiene	--	--	--		200 U	14 U	14 U
Isopropylbenzene	--	--	--		200 U	2.8 U	2.9 J
Methyl acetate	--	--	--		400 U	NA	NA
Methyl tert butyl ether (MTB	**930**	500000	*930*		200 U	5.7 U	5.8 J
Methylcyclohexane	--	--	--		200 U	NA	NA
Methylene chloride	**50**	500000	*50*		200 U	28 U	29 U
Naphthalene	--	--	--		200 U	14 U	14 J
n-Butylbenzene	**12000**	500000	*12000*		200 U	2.8 U	2.9 J
n-Propylbenzene	**3900**	500000	*3900*		200 U	2.8 U	2.9 J
o-Chlorotoluene	--	--	--		200 U	14 U	14 U
o-Xylene	--	--	--		200 U	5.7 U	5.8 J
p/m-Xylene	--	--	--		400 U	5.7 U	5.8 J

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** **Sampler:** **Sample Date:** **Sample Depth (ft):**	DW-11 ROUX 4/2/2013 19-21.5	B111-S7-072111 RANSOM 7/21/2011 30-35	B113-S6-072111 RANSOM 7/21/2011 25-30
p-Chlorotoluene	--	--	--		200 U	14 U	14 U
p-Isopropyltoluene	--	--	--		200 U	2.8 U	2.9 J
sec-Butylbenzene	**11000**	500000	*11000*		200 U	2.8 U	2.9 J
Styrene	--	--	--		200 U	5.7 U	5.8 J
tert-Butylbenzene	**5900**	500000	*5900*		200 U	14 U	14 U
Tetrachloroethene	**1300**	150000	*1300*		42 J	2.8 U	2.9 U
Toluene	**700**	500000	*700*		530	4.3 U	4.4 U
trans-1,2-Dichloroethene	**190**	500000	*190*		200 U	4.3 U	4.4 J
trans-1,3-Dichloropropene	--	--	--		200 U	2.8 U	2.9 U
trans-1,4-Dichloro-2-butene	--	--	--		200 U	14 U	14 U
Trichloroethene	**470**	200000	*470*		200 U	2.8 U	2.9 J
Trichlorofluoromethane	--	--	--		200 U	14 U	14 U
Vinyl acetate	--	--	--		200 U	28 U	29 J
Vinyl chloride	**20**	13000	*20*		200 U	5.7 U	5.8 J
Xylenes (total)	**260**	500000	*1600*		200 U	NA	NA
Sum of Constituents					63962	0	0

NYSDEC - New York State Department of Environmental Conservation
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µg/kg - Micrograms per kilogram
J - Estimated Value
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No NYSDEC 6 NCRR Part 375 Standard Available
Bold data indicates that parameter was detected above the NYSDEC Unrestricted Use Standards
Shaded data indicates that parameter was detected above the NYSDEC Restricted Commercial Standards
Italicized data indicates that parameter was detected above the NYSDEC Protection of Groundwater Standards
NA - Compound was not analyzed by laboratory
R indicates analyses rejected by Data Usability Summary Report

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** **Sampler:** **Sample Date:** **Sample Depth (ft):**	B112-S6-072111 RANSOM 7/21/2011 25-30	DW-07 ERM 3/16/2006 70-75	DW-07 ERM 3/20/2006 75-80	DW-08 ERM 3/6/2006 15-20
1,1,1,2-Tetrachloroethane	--	--	--		2.6 U	NA	NA	NA
1,1,1-Trichloroethane	**680**	500000	*680*		2.6 U	11 U	11 U	7 J
1,1,2,2-Tetrachloroethane	--	--	--		2.6 U	11 U	11 U	11 U
1,1,2-Trichloroethane	--	--	--		3.9 U	11 U	11 U	11 U
1,1-Dichloroethane	**270**	24000	*270*		3.9 U	11 U	11 U	11 U
1,1-Dichloroethene	**330**	500000	*330*		2.6 U	11 U	11 U	11 U
1,1-Dichloropropene	--	--	--		13 U	NA	NA	NA
1,2,3-Trichlorobenzene	--	--	--		13 U	NA	NA	NA
1,2,3-Trichloropropane	--	--	--		26 U	NA	NA	NA
1,2,4,5-Tetramethylbenzene	--	--	--		10 U	NA	NA	NA
1,2,4-Trichlorobenzene	--	--	--		13 U	11 U	11 U	11 U J
1,2,4-Trimethylbenzene	**3600**	190000	*3600*		13 U	NA	NA	NA
1,2-Dibromo-3-chloropropan	--	--	--		13 U	NA	NA	NA
1,2-Dibromoethane	--	--	--		10 U	11 U	11 U	11 U
1,2-Dichlorobenzene	**1100**	500000	*1100*		13 U	11 U	11 U	11 U
1,2-Dichloroethane	**20**	30000	*20*		2.6 U	11 U	11 U	11 U
1,2-Dichloropropane	--	--	--		9 U	11 U	11 U	11 U
1,3,5-Trimethylbenzene	**8400**	190000	*8400*		13 U	NA	NA	NA
1,3-Dichlorobenzene	**2400**	280000	*2400*		13 U	11 U	11 U	11 U
1,4-Dichlorobenzene	**1800**	130000	*1800*		13 U	11 U	11 U	11 U
1,4-Diethylbenzene	--	--	--		10 U	NA	NA	NA
2,2-Dichloropropane	--	--	--		13 U	NA	NA	NA
2-Butanone	**120**	500000	*120*		26 U	11 U J	11 U	11 U
2-Hexanone	--	--	--		26 U	11 U	11 U	11 U
4-Ethyltoluene	--	--	--		10 U	NA	NA	NA
4-Methyl-2-pentanone	--	--	--		26 U	11 U	11 U	11 U
Acetone	**50**	500000	*50*		26 U	11 U J	11 U J	11 U
Acrylonitrile	--	--	--		26 U	NA	NA	NA
Benzene	**60**	44000	*60*		2.6 U	11 U	11 U	11 U
Bromobenzene	--	--	--		13 U	NA	NA	NA
Bromochloromethane	--	--	--		13 U	NA	NA	NA

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** **Sampler:** **Sample Date:** **Sample Depth (ft):**	B112-S6-072111 RANSOM 7/21/2011 25-30	DW-07 ERM 3/16/2006 70-75	DW-07 ERM 3/20/2006 75-80	DW-08 ERM 3/6/2006 15-20
Bromodichloromethane	--	--	--		2.6 U	11 U	11 U	11 U
Bromoform	--	--	--		10 U	11 U	11 U	11 U
Bromomethane	--	--	--		5.2 U	11 U	11 U	11 U J
Carbon disulfide	--	--	--		26 U	11 U	11 U	11 U
Carbon tetrachloride	**760**	22000	*760*		2.6 U	11 U	11 U	11 U
Chlorobenzene	**1100**	500000	*1100*		2.6 U	11 U	11 U	11 U
Chloroethane	--	--	--		5.2 U	11 U	11 U	11 U
Chloroform	**370**	350000	*370*		3.9 U	11 U	11 U	1 J
Chloromethane	--	--	--		13 U	11 U	11 U	11 U
cis-1,2-Dichloroethene	**250**	500000	*250*		2.6 U	11 U	11 U	11 U
cis-1,3-Dichloropropene	--	--	--		2.6 U	11 U	11 U	11 U
Cyclohexane	--	--	--		NA	11 U	11 U	11 U
Dibromochloromethane	--	--	--		2.6 U	11 U	11 U	11 U
Dibromochloropropane	--	--	--		NA	11 U	11 U	11 U
Dibromomethane	--	--	--		26 U	NA	NA	NA
Dichlorodifluoromethane	--	--	--		26 U	11 U	11 U J	11 U
Ethyl ether	--	--	--		13 U	NA	NA	NA
Ethylbenzene	**1000**	390000	*1000*		2.6 U	11 U	11 U	11 U
Freon 113	--	--	--		NA	11 U	11 U	11 U
Hexachlorobutadiene	--	--	--		13 U	NA	NA	NA
Isopropylbenzene	--	--	--		2.6 U	11 U	11 U	11 U
Methyl acetate	--	--	--		NA	11 U	11 U	11 U
Methyl tert butyl ether (MTB	**930**	500000	*930*		5.2 U	11 U	11 U	11 U
Methylcyclohexane	--	--	--		NA	11 U	11 U	11 U
Methylene chloride	**50**	500000	*50*		26 U	11 U J	11 U	1 J
Naphthalene	--	--	--		13 U	NA	NA	NA
n-Butylbenzene	**12000**	500000	*12000*		2.6 U	NA	NA	NA
n-Propylbenzene	**3900**	500000	*3900*		2.6 U	NA	NA	NA
o-Chlorotoluene	--	--	--		13 U	NA	NA	NA
o-Xylene	--	--	--		5.2 U	NA	NA	NA
p/m-Xylene	--	--	--		5.2 U	NA	NA	NA

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** **Sampler:** **Sample Date:** **Sample Depth (ft):**	B112-S6-072111 RANSOM 7/21/2011 25-30	DW-07 ERM 3/16/2006 70-75	DW-07 ERM 3/20/2006 75-80	DW-08 ERM 3/6/2006 15-20
p-Chlorotoluene	--	--	--		13 U	NA	NA	NA
p-Isopropyltoluene	--	--	--		2.6 U	NA	NA	NA
sec-Butylbenzene	**11000**	500000	*11000*		2.6 U	NA	NA	NA
Styrene	--	--	--		5.2 U	11 U	11 U	11 U
tert-Butylbenzene	**5900**	500000	*5900*		13 U	NA	NA	NA
Tetrachloroethene	**1300**	150000	*1300*		2.6 U	11 U	11 U J	11 U
Toluene	**700**	500000	*700*		3.9 U	11 U	11 U	11 U
trans-1,2-Dichloroethene	**190**	500000	*190*		3.9 U	11 U	11 U	11 U
trans-1,3-Dichloropropene	--	--	--		2.6 U	11 U	11 U	11 U
trans-1,4-Dichloro-2-butene	--	--	--		13 U	NA	NA	NA
Trichloroethene	**470**	200000	*470*		2.6 U	11 U	11 U	11 U
Trichlorofluoromethane	--	--	--		13 U	11 U	11 U	11 U
Vinyl acetate	--	--	--		26 U	NA	NA	NA
Vinyl chloride	**20**	13000	*20*		5.2 U	11 U	11 U	11 U
Xylenes (total)	**260**	500000	*1600*		NA	11 U	11 U	11 U
Sum of Constituents					0	0	0	0

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µg/kg - Micrograms per kilogram
J - Estimated Value
U - Compound was analyzed for but not detected
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Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	DW-08 ERM 3/6/2006 20-25	DW-08 ERM 3/7/2006 25-30	DW-08 ERM 3/7/2006 30-35	DW-08 ERM 3/7/2006 35-40	DW-08 ERM 3/7/2006 40-45
1,1,1,2-Tetrachloroethane	--	--	--		NA	NA	NA	NA	NA
1,1,1-Trichloroethane	**680**	500000	*680*		9 J	27	32	28	23
1,1,2,2-Tetrachloroethane	--	--	--		11 U	12 U	12 U	11 U	11 U
1,1,2-Trichloroethane	--	--	--		11 U	12 U	12 U	11 U	11 U
1,1-Dichloroethane	**270**	24000	*270*		11 U	12 U	12 U	11 U	11 U
1,1-Dichloroethene	**330**	500000	*330*		11 U	2 J	2 J	2 J	3 J
1,1-Dichloropropene	--	--	--		NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	--	--	--		NA	NA	NA	NA	NA
1,2,3-Trichloropropane	--	--	--		NA	NA	NA	NA	NA
1,2,4,5-Tetramethylbenzene	--	--	--		NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	--	--	--		12 U J	12 U	12 U	11 U	11 U
1,2,4-Trimethylbenzene	**3600**	190000	*3600*		NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropan	--	--	--		NA	NA	NA	NA	NA
1,2-Dibromoethane	--	--	--		11 U	12 U	12 U	11 U	11 U
1,2-Dichlorobenzene	**1100**	500000	*1100*		11 U	12 U	12 U	11 U	11 U
1,2-Dichloroethane	**20**	30000	*20*		11 U	12 U	12 U	11 U	11 U
1,2-Dichloropropane	--	--	--		11 U	12 U	12 U	11 U	11 U
1,3,5-Trimethylbenzene	**8400**	190000	*8400*		NA	NA	NA	NA	NA
1,3-Dichlorobenzene	**2400**	280000	*2400*		11 U	12 U	12 U	11 U	11 U
1,4-Dichlorobenzene	**1800**	130000	*1800*		11 U	12 U	12 U	11 U	11 U
1,4-Diethylbenzene	--	--	--		NA	NA	NA	NA	NA
2,2-Dichloropropane	--	--	--		NA	NA	NA	NA	NA
2-Butanone	**120**	500000	*120*		11 U	12 U	12 U	11 U	11 U
2-Hexanone	--	--	--		11 U	12 U	12 U	11 U	11 U
4-Ethyltoluene	--	--	--		NA	NA	NA	NA	NA
4-Methyl-2-pentanone	--	--	--		11 U	12 U	12 U	11 U	11 U
Acetone	**50**	500000	*50*		5 J	8 J	12 U	8 J	9 J
Acrylonitrile	--	--	--		NA	NA	NA	NA	NA
Benzene	**60**	44000	*60*		11 U	12 U	12 U	11 U	11 U
Bromobenzene	--	--	--		NA	NA	NA	NA	NA
Bromochloromethane	--	--	--		NA	NA	NA	NA	NA

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:**	DW-08	DW-08	DW-08	DW-08	DW-08
				Sampler:	ERM	ERM	ERM	ERM	ERM
				Sample Date:	3/6/2006	3/7/2006	3/7/2006	3/7/2006	3/7/2006
				Sample Depth (ft):	20-25	25-30	30-35	35-40	40-45
Bromodichloromethane	--	--	--		11 U	12 U	12 U	11 U	11 U
Bromoform	--	--	--		11 U	12 U	12 U	11 U	11 U
Bromomethane	--	--	--		11 U J	12 U	12 U	11 U	11 U
Carbon disulfide	--	--	--		11 U	12 U	12 U	11 U	11 U
Carbon tetrachloride	**760**	22000	*760*		11 U	12 U	12 U	11 U	11 U
Chlorobenzene	**1100**	500000	*1100*		11 U	12 U	12 U	11 U	11 U
Chloroethane	--	--	--		11 U	12 U	12 U	11 U	11 U
Chloroform	**370**	350000	*370*		1 J	12 U	12 U	11 U	11 U
Chloromethane	--	--	--		11 U	12 U	12 U	11 U	11 U
cis-1,2-Dichloroethene	**250**	500000	*250*		11 U	12 U	12 U	11 U	11 U
cis-1,3-Dichloropropene	--	--	--		11 U	12 U	12 U	11 U	11 U
Cyclohexane	--	--	--		11 U	12 U	12 U	11 U	11 U
Dibromochloromethane	--	--	--		11 U	12 U	12 U	11 U	11 U
Dibromochloropropane	--	--	--		11 U	12 U	12 U	11 U	11 U
Dibromomethane	--	--	--		NA	NA	NA	NA	NA
Dichlorodifluoromethane	--	--	--		11 U	12 U J	12 U J	11 U J	11 U J
Ethyl ether	--	--	--		NA	NA	NA	NA	NA
Ethylbenzene	**1000**	390000	*1000*		11 U	12 U	12 U	11 U	11 U
Freon 113	--	--	--		11 U	12 U	12 U	11 U	11 U
Hexachlorobutadiene	--	--	--		NA	NA	NA	NA	NA
Isopropylbenzene	--	--	--		11 U	12 U	12 U	11 U	11 U
Methyl acetate	--	--	--		11 U	12 U	12 U	11 U	11 U
Methyl tert butyl ether (MTB	**930**	500000	*930*		11 U	12 U	12 U	11 U	11 U
Methylcyclohexane	--	--	--		11 U	12 U	12 U	11 U	11 U
Methylene chloride	**50**	500000	*50*		1 J	12 U	12 U	11 U	11 U
Naphthalene	--	--	--		NA	NA	NA	NA	NA
n-Butylbenzene	**12000**	500000	*12000*		NA	NA	NA	NA	NA
n-Propylbenzene	**3900**	500000	*3900*		NA	NA	NA	NA	NA
o-Chlorotoluene	--	--	--		NA	NA	NA	NA	NA
o-Xylene	--	--	--		NA	NA	NA	NA	NA
p/m-Xylene	--	--	--		NA	NA	NA	NA	NA

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	DW-08 ERM 3/6/2006 20-25	DW-08 ERM 3/7/2006 25-30	DW-08 ERM 3/7/2006 30-35	DW-08 ERM 3/7/2006 35-40	DW-08 ERM 3/7/2006 40-45
p-Chlorotoluene	--	--	--		NA	NA	NA	NA	NA
p-Isopropyltoluene	--	--	--		NA	NA	NA	NA	NA
sec-Butylbenzene	**11000**	500000	*11000*		NA	NA	NA	NA	NA
Styrene	--	--	--		11 U	12 U	12 U	11 U	11 U
tert-Butylbenzene	**5900**	500000	*5900*		NA	NA	NA	NA	NA
Tetrachloroethene	**1300**	150000	*1300*		11 U	12 U	12 U	11 U	11 U
Toluene	**700**	500000	*700*		11 U	2 J	2 J	1 J	1 J
trans-1,2-Dichloroethene	**190**	500000	*190*		11 U	12 U	12 U	11 U	11 U
trans-1,3-Dichloropropene	--	--	--		11 U	12 U	12 U	11 U	11 U
trans-1,4-Dichloro-2-butene	--	--	--		NA	NA	NA	NA	NA
Trichloroethene	**470**	200000	*470*		11 U	12 U	12 U	11 U	11 U
Trichlorofluoromethane	--	--	--		11 U	12 U	12 U	11 U	11 U
Vinyl acetate	--	--	--		NA	NA	NA	NA	NA
Vinyl chloride	**20**	13000	*20*		11 U	12 U	12 U	11 U	11 U
Xylenes (total)	**260**	500000	*1600*		11 U	12 U	12 U	11 U	11 U
Sum of Constituents					0	39	36	39	35

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Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	DW-08 ERM 3/7/2006 50-55	DW-08 ERM 3/7/2006 55-60	DW-08 ERM 3/7/2006 65-70	DW-08 ERM 3/7/2006 70-75	DW-08 ERM 3/6/2006 75-80
1,1,1,2-Tetrachloroethane	--	--	--		NA	NA	NA	NA	NA
1,1,1-Trichloroethane	**680**	500000	*680*		6 J	10 J	11	33	21
1,1,2,2-Tetrachloroethane	--	--	--		11 U	12 U	10 U	12 U	12 U
1,1,2-Trichloroethane	--	--	--		11 U	12 U	10 U	12 U	12 U
1,1-Dichloroethane	**270**	24000	*270*		11 U	12 U	10 U	12 U	12 U
1,1-Dichloroethene	**330**	500000	*330*		11 U	12 U	10 U	12 U	2 J
1,1-Dichloropropene	--	--	--		NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	--	--	--		NA	NA	NA	NA	NA
1,2,3-Trichloropropane	--	--	--		NA	NA	NA	NA	NA
1,2,4,5-Tetramethylbenzene	--	--	--		NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	--	--	--		11 U	12 U	10 U	12 U	12 U
1,2,4-Trimethylbenzene	**3600**	190000	*3600*		NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropan	--	--	--		NA	NA	NA	NA	NA
1,2-Dibromoethane	--	--	--		11 U	12 U	10 U	12 U	12 U
1,2-Dichlorobenzene	**1100**	500000	*1100*		11 U	12 U	10 U	12 U	12 U
1,2-Dichloroethane	**20**	30000	*20*		11 U	12 U	10 U	12 U	12 U
1,2-Dichloropropane	--	--	--		11 U	12 U	10 U	12 U	12 U
1,3,5-Trimethylbenzene	**8400**	190000	*8400*		NA	NA	NA	NA	NA
1,3-Dichlorobenzene	**2400**	280000	*2400*		11 U	12 U	10 U	12 U	12 U
1,4-Dichlorobenzene	**1800**	130000	*1800*		11 U	12 U	10 U	12 U	12 U
1,4-Diethylbenzene	--	--	--		NA	NA	NA	NA	NA
2,2-Dichloropropane	--	--	--		NA	NA	NA	NA	NA
2-Butanone	**120**	500000	*120*		11 U	12 U J	10 U	12 U	12 U
2-Hexanone	--	--	--		11 U	12 U J	10 U	12 U	12 U
4-Ethyltoluene	--	--	--		NA	NA	NA	NA	NA
4-Methyl-2-pentanone	--	--	--		11 U	12 U J	10 U	12 U	12 U
Acetone	**50**	500000	*50*		11 U	24 J	10 U	14	7 J
Acrylonitrile	--	--	--		NA	NA	NA	NA	NA
Benzene	**60**	44000	*60*		11 U	12 U	10 U	12 U	12 U
Bromobenzene	--	--	--		NA	NA	NA	NA	NA
Bromochloromethane	--	--	--		NA	NA	NA	NA	NA

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	DW-08 ERM 3/7/2006 50-55	DW-08 ERM 3/7/2006 55-60	DW-08 ERM 3/7/2006 65-70	DW-08 ERM 3/7/2006 70-75	DW-08 ERM 3/6/2006 75-80
Bromodichloromethane	--	--	--		11 U	12 U	10 U	12 U	12 U
Bromoform	--	--	--		11 U	12 U	10 U	12 U	12 U
Bromomethane	--	--	--		11 U	12 U	10 U	12 U	12 U
Carbon disulfide	--	--	--		11 U	12 U	10 U	12 U	12 U
Carbon tetrachloride	**760**	22000	*760*		11 U	12 U	10 U	12 U	12 U
Chlorobenzene	**1100**	500000	*1100*		11 U	12 U	10 U	12 U	12 U
Chloroethane	--	--	--		11 U	12 U	10 U	12 U	12 U
Chloroform	**370**	350000	*370*		11 U	12 U	10 U	12 U	12 U
Chloromethane	--	--	--		11 U	12 U	10 U	12 U	12 U
cis-1,2-Dichloroethene	**250**	500000	*250*		11 U	12 U	10 U	12 U	12 U
cis-1,3-Dichloropropene	--	--	--		11 U	12 U	10 U	12 U	12 U
Cyclohexane	--	--	--		11 U	12 U	10 U	12 U	12 U
Dibromochloromethane	--	--	--		11 U	12 U	10 U	12 U	12 U
Dibromochloropropane	--	--	--		11 U	R	10 U	R	12 U
Dibromomethane	--	--	--		NA	NA	NA	NA	NA
Dichlorodifluoromethane	--	--	--		11 U	12 U J	10 U	12 U J	12 U J
Ethyl ether	--	--	--		NA	NA	NA	NA	NA
Ethylbenzene	**1000**	390000	*1000*		11 U	12 U	10 U	12 U	12 U
Freon 113	--	--	--		11 U	12 U	10 U	12 U	12 U
Hexachlorobutadiene	--	--	--		NA	NA	NA	NA	NA
Isopropylbenzene	--	--	--		11 U	12 U	10 U	12 U	12 U
Methyl acetate	--	--	--		11 U	12 U	10 U	12 U	12 U
Methyl tert butyl ether (MTB	**930**	500000	*930*		11 U	12 U	10 U	12 U	12 U
Methylcyclohexane	--	--	--		11 U	12 U	10 U	12 U	12 U
Methylene chloride	**50**	500000	*50*		11 U	12 U	10 U	12 U	12 U
Naphthalene	--	--	--		NA	NA	NA	NA	NA
n-Butylbenzene	**12000**	500000	*12000*		NA	NA	NA	NA	NA
n-Propylbenzene	**3900**	500000	*3900*		NA	NA	NA	NA	NA
o-Chlorotoluene	--	--	--		NA	NA	NA	NA	NA
o-Xylene	--	--	--		NA	NA	NA	NA	NA
p/m-Xylene	--	--	--		NA	NA	NA	NA	NA

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	DW-08 ERM 3/7/2006 50-55	DW-08 ERM 3/7/2006 55-60	DW-08 ERM 3/7/2006 65-70	DW-08 ERM 3/7/2006 70-75	DW-08 ERM 3/6/2006 75-80
p-Chlorotoluene	--	--	--		NA	NA	NA	NA	NA
p-Isopropyltoluene	--	--	--		NA	NA	NA	NA	NA
sec-Butylbenzene	**11000**	500000	*11000*		NA	NA	NA	NA	NA
Styrene	--	--	--		11 U	12 U	10 U	12 U	12 U
tert-Butylbenzene	**5900**	500000	*5900*		NA	NA	NA	NA	NA
Tetrachloroethene	**1300**	150000	*1300*		11 U	12 U	10 U	12 U	12 U
Toluene	**700**	500000	*700*		11 U	1 J	10 U	12 U	1 J
trans-1,2-Dichloroethene	**190**	500000	*190*		11 U	12 U	10 U	12 U	12 U
trans-1,3-Dichloropropene	--	--	--		11 U	12 U	10 U	12 U	12 U
trans-1,4-Dichloro-2-butene	--	--	--		NA	NA	NA	NA	NA
Trichloroethene	**470**	200000	*470*		11 U	12 U	10 U	12 U	12 U
Trichlorofluoromethane	--	--	--		11 U	12 U	10 U	12 U	12 U
Vinyl acetate	--	--	--		NA	NA	NA	NA	NA
Vinyl chloride	**20**	13000	*20*		11 U	12 U	10 U	12 U	12 U
Xylenes (total)	**260**	500000	*1600*		11 U	12 U	10 U	12 U	12 U
Sum of Constituents					6	35	11	47	31

NYSDEC - New York State Department of Environmental Conservation
6 NYCRR- Title 6 of the Official Compilation of New York Codes, Rules and Regulations
µg/kg - Micrograms per kilogram
J - Estimated Value
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No NYSDEC 6 NCRR Part 375 Standard Available
Bold data indicates that parameter was detected above the NYSDEC Unrestricted Use Standards
Shaded data indicates that parameter was detected above the NYSDEC Restricted Commercial Standards
Italicized data indicates that parameter was detected above the NYSDEC Protection of Groundwater Standards
NA - Compound was not analyzed by laboratory
R indicates analyses rejected by Data Usability Summary Report

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	DW-09 ERM 3/9/2006 15-20	DW-09 ERM 3/9/2006 20-25	DW-09 ERM 3/9/2006 25-30	DW-09 ERM 3/10/2006 30-35	DW-09 ERM 3/10/2006 35-40
1,1,1,2-Tetrachloroethane	--	--	--		NA	NA	NA	NA	NA
1,1,1-Trichloroethane	**680**	500000	*680*		12 U	10 U	12 U	12 U	12 U
1,1,2,2-Tetrachloroethane	--	--	--		12 U	10 U	12 U	12 U	12 U
1,1,2-Trichloroethane	--	--	--		12 U	10 U	12 U	12 U	12 U
1,1-Dichloroethane	**270**	24000	*270*		12 U	10 U	12 U	12 U	12 U
1,1-Dichloroethene	**330**	500000	*330*		12 U	10 U	12 U	12 U	12 U
1,1-Dichloropropene	--	--	--		NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	--	--	--		NA	NA	NA	NA	NA
1,2,3-Trichloropropane	--	--	--		NA	NA	NA	NA	NA
1,2,4,5-Tetramethylbenzene	--	--	--		NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	--	--	--		12 U	10 U	12 U	12 U	12 U
1,2,4-Trimethylbenzene	**3600**	190000	*3600*		NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropan	--	--	--		NA	NA	NA	NA	NA
1,2-Dibromoethane	--	--	--		12 U	10 U	12 U	12 U	12 U
1,2-Dichlorobenzene	**1100**	500000	*1100*		12 U	10 U	12 U	12 U	12 U
1,2-Dichloroethane	**20**	30000	*20*		12 U	10 U	12 U	12 U	12 U
1,2-Dichloropropane	--	--	--		12 U	10 U	12 U	12 U	12 U
1,3,5-Trimethylbenzene	**8400**	190000	*8400*		NA	NA	NA	NA	NA
1,3-Dichlorobenzene	**2400**	280000	*2400*		12 U	10 U	12 U	12 U	12 U
1,4-Dichlorobenzene	**1800**	130000	*1800*		12 U	10 U	12 U	12 U	12 U
1,4-Diethylbenzene	--	--	--		NA	NA	NA	NA	NA
2,2-Dichloropropane	--	--	--		NA	NA	NA	NA	NA
2-Butanone	**120**	500000	*120*		12 U	10 U	12 U	12 U	12 U
2-Hexanone	--	--	--		12 U	10 U	12 U	12 U	12 U
4-Ethyltoluene	--	--	--		NA	NA	NA	NA	NA
4-Methyl-2-pentanone	--	--	--		12 U	10 U	12 U	12 U	12 U
Acetone	**50**	500000	*50*		12 U	28	21	17 J	20
Acrylonitrile	--	--	--		NA	NA	NA	NA	NA
Benzene	**60**	44000	*60*		12 U	10 U	12 U	12 U	12 U
Bromobenzene	--	--	--		NA	NA	NA	NA	NA
Bromochloromethane	--	--	--		NA	NA	NA	NA	NA

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:**	DW-09	DW-09	DW-09	DW-09	DW-09
				Sampler:	ERM	ERM	ERM	ERM	ERM
				Sample Date:	3/9/2006	3/9/2006	3/9/2006	3/10/2006	3/10/2006
				Sample Depth (ft):	15-20	20-25	25-30	30-35	35-40
Bromodichloromethane	--	--	--		12 U	10 U	12 U	12 U	12 U
Bromoform	--	--	--		12 U	10 U	12 U	12 U	12 U
Bromomethane	--	--	--		12 U	10 U	12 U	12 U	12 U
Carbon disulfide	--	--	--		12 U	10 U	12 U	12 U	12 U
Carbon tetrachloride	**760**	22000	*760*		12 U	10 U	12 U	12 U	12 U
Chlorobenzene	**1100**	500000	*1100*		12 U	10 U	12 U	12 U	12 U
Chloroethane	--	--	--		12 U	10 U	12 U	12 U	12 U
Chloroform	**370**	350000	*370*		12 U	10 U	12 U	12 U	12 U
Chloromethane	--	--	--		12 U	10 U	12 U	12 U	12 U
cis-1,2-Dichloroethene	**250**	500000	*250*		12 U	10 U	12 U	12 U	12 U
cis-1,3-Dichloropropene	--	--	--		12 U	10 U	12 U	12 U	12 U
Cyclohexane	--	--	--		12 U	10 U	12 U	12 U	12 U
Dibromochloromethane	--	--	--		12 U	10 U	12 U	12 U	12 U
Dibromochloropropane	--	--	--		12 U	10 U	12 U	12 U	12 U
Dibromomethane	--	--	--		NA	NA	NA	NA	NA
Dichlorodifluoromethane	--	--	--		12 U	10 U	12 U	12 U	12 U
Ethyl ether	--	--	--		NA	NA	NA	NA	NA
Ethylbenzene	**1000**	390000	*1000*		12 U	10 U	12 U	12 U	12 U
Freon 113	--	--	--		12 U	10 U	12 U	12 U	12 U
Hexachlorobutadiene	--	--	--		NA	NA	NA	NA	NA
Isopropylbenzene	--	--	--		12 U	10 U	12 U	12 U	12 U
Methyl acetate	--	--	--		12 U	10 U	12 U	12 U	12 U
Methyl tert butyl ether (MTB	**930**	500000	*930*		12 U	10 U	12 U	12 U	12 U
Methylcyclohexane	--	--	--		12 U	10 U	12 U	12 U	12 U
Methylene chloride	**50**	500000	*50*		12 J	13	15	3 J	12
Naphthalene	--	--	--		NA	NA	NA	NA	NA
n-Butylbenzene	**12000**	500000	*12000*		NA	NA	NA	NA	NA
n-Propylbenzene	**3900**	500000	*3900*		NA	NA	NA	NA	NA
o-Chlorotoluene	--	--	--		NA	NA	NA	NA	NA
o-Xylene	--	--	--		NA	NA	NA	NA	NA
p/m-Xylene	--	--	--		NA	NA	NA	NA	NA

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:**	DW-09	DW-09	DW-09	DW-09	DW-09
				Sampler:	ERM	ERM	ERM	ERM	ERM
				Sample Date:	3/9/2006	3/9/2006	3/9/2006	3/10/2006	3/10/2006
				Sample Depth (ft):	15-20	20-25	25-30	30-35	35-40
p-Chlorotoluene	--	--	--		NA	NA	NA	NA	NA
p-Isopropyltoluene	--	--	--		NA	NA	NA	NA	NA
sec-Butylbenzene	**11000**	500000	*11000*		NA	NA	NA	NA	NA
Styrene	--	--	--		12 U	10 U	12 U	12 U	12 U
tert-Butylbenzene	**5900**	500000	*5900*		NA	NA	NA	NA	NA
Tetrachloroethene	**1300**	150000	*1300*		12 U	10 U	12 U	12 U	12 U
Toluene	**700**	500000	*700*		12 U	2 J	1 J	2 J	1 J
trans-1,2-Dichloroethene	**190**	500000	*190*		12 U	10 U	12 U	12 U	12 U
trans-1,3-Dichloropropene	--	--	--		12 U	10 U	12 U	12 U	12 U
trans-1,4-Dichloro-2-butene	--	--	--		NA	NA	NA	NA	NA
Trichloroethene	**470**	200000	*470*		12 U	10 U	12 U	12 U	12 U
Trichlorofluoromethane	--	--	--		12 U	10 U	12 U	12 U	12 U
Vinyl acetate	--	--	--		NA	NA	NA	NA	NA
Vinyl chloride	**20**	13000	*20*		12 U	10 U	12 U	12 U	12 U
Xylenes (total)	**260**	500000	*1600*		12 U	10 U	12 U	12 U	12 U
Sum of Constituents					12	43	37	22	33

NYSDEC - New York State Department of Environmental Conservation
6 NYCRR- Title 6 of the Official Compilation of New York Codes, Rules and Regulations
µg/kg - Micrograms per kilogram
J - Estimated Value
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No NYSDEC 6 NCRR Part 375 Standard Available
Bold data indicates that parameter was detected above the NYSDEC Unrestricted Use Standards
Shaded data indicates that parameter was detected above the NYSDEC Restricted Commercial Standards
Italicized data indicates that parameter was detected above the NYSDEC Protection of Groundwater Standards
NA - Compound was not analyzed by laboratory
R indicates analyses rejected by Data Usability Summary Report

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** **Sampler:** **Sample Date:** **Sample Depth (ft):**	DW-09 ERM 3/10/2006 40-45	DW-09 ERM 3/10/2006 45-50	DW-09 ERM 3/10/2006 50-55	DW-09-DUP ERM 3/10/2006 50-55
1,1,1,2-Tetrachloroethane	--	--	--		NA	NA	NA	NA
1,1,1-Trichloroethane	**680**	500000	*680*		12 U	12 U	11 U	11 U
1,1,2,2-Tetrachloroethane	--	--	--		12 U	12 U	11 U	11 U
1,1,2-Trichloroethane	--	--	--		12 U	12 U	11 U	11 U
1,1-Dichloroethane	**270**	24000	*270*		12 U	12 U	11 U	11 U
1,1-Dichloroethene	**330**	500000	*330*		12 U	12 U	11 U	11 U
1,1-Dichloropropene	--	--	--		NA	NA	NA	NA
1,2,3-Trichlorobenzene	--	--	--		NA	NA	NA	NA
1,2,3-Trichloropropane	--	--	--		NA	NA	NA	NA
1,2,4,5-Tetramethylbenzene	--	--	--		NA	NA	NA	NA
1,2,4-Trichlorobenzene	--	--	--		12 U	12 U	11 U	11 U
1,2,4-Trimethylbenzene	**3600**	190000	*3600*		NA	NA	NA	NA
1,2-Dibromo-3-chloropropan	--	--	--		NA	NA	NA	NA
1,2-Dibromoethane	--	--	--		12 U	12 U	11 U	11 U
1,2-Dichlorobenzene	**1100**	500000	*1100*		12 U	12 U	11 U	11 U
1,2-Dichloroethane	**20**	30000	*20*		12 U	12 U	11 U	11 U
1,2-Dichloropropane	--	--	--		12 U	12 U	11 U	11 U
1,3,5-Trimethylbenzene	**8400**	190000	*8400*		NA	NA	NA	NA
1,3-Dichlorobenzene	**2400**	280000	*2400*		12 U	12 U	11 U	11 U
1,4-Dichlorobenzene	**1800**	130000	*1800*		12 U	12 U	11 U	11 U
1,4-Diethylbenzene	--	--	--		NA	NA	NA	NA
2,2-Dichloropropane	--	--	--		NA	NA	NA	NA
2-Butanone	**120**	500000	*120*		12 U	12 U	11 U	11 U
2-Hexanone	--	--	--		12 U	12 U	11 U	11 U
4-Ethyltoluene	--	--	--		NA	NA	NA	NA
4-Methyl-2-pentanone	--	--	--		12 U	12 U	11 U	11 U
Acetone	**50**	500000	*50*		13	16 J	28 J	10 J
Acrylonitrile	--	--	--		NA	NA	NA	NA
Benzene	**60**	44000	*60*		12 U	12 U	11 U	11 U
Bromobenzene	--	--	--		NA	NA	NA	NA
Bromochloromethane	--	--	--		NA	NA	NA	NA

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:**	DW-09	DW-09	DW-09	DW-09-DUP
				Sampler:	ERM	ERM	ERM	ERM
				Sample Date:	3/10/2006	3/10/2006	3/10/2006	3/10/2006
				Sample Depth (ft):	40-45	45-50	50-55	50-55
Bromodichloromethane	--	--	--		12 U	12 U	11 U	11 U
Bromoform	--	--	--		12 U	12 U	11 U	11 U
Bromomethane	--	--	--		12 U	12 U	11 U	11 U
Carbon disulfide	--	--	--		12 U	12 U	11 U	11 U
Carbon tetrachloride	**760**	22000	*760*		12 U	12 U	11 U	11 U
Chlorobenzene	**1100**	500000	*1100*		12 U	12 U	11 U	11 U
Chloroethane	--	--	--		12 U	12 U	11 U	11 U
Chloroform	**370**	350000	*370*		12 U	12 U	11 U	11 U
Chloromethane	--	--	--		12 U	12 U	11 U	11 U
cis-1,2-Dichloroethene	**250**	500000	*250*		12 U	12 U	11 U	11 U
cis-1,3-Dichloropropene	--	--	--		12 U	12 U	11 U	11 U
Cyclohexane	--	--	--		12 U	12 U	11 U	11 U
Dibromochloromethane	--	--	--		12 U	12 U	11 U	11 U
Dibromochloropropane	--	--	--		12 U	12 U	11 U	11 U
Dibromomethane	--	--	--		NA	NA	NA	NA
Dichlorodifluoromethane	--	--	--		12 U	12 U	11 U	11 U
Ethyl ether	--	--	--		NA	NA	NA	NA
Ethylbenzene	**1000**	390000	*1000*		12 U	12 U	11 U	11 U
Freon 113	--	--	--		12 U	12 U	11 U	11 U
Hexachlorobutadiene	--	--	--		NA	NA	NA	NA
Isopropylbenzene	--	--	--		12 U	12 U	11 U	11 U
Methyl acetate	--	--	--		12 U	12 U	11 U	11 U
Methyl tert butyl ether (MTB	**930**	500000	*930*		12 U	12 U	11 U	11 U
Methylcyclohexane	--	--	--		12 U	12 U	11 U	11 U
Methylene chloride	**50**	500000	*50*		17	12	9 J	5 J
Naphthalene	--	--	--		NA	NA	NA	NA
n-Butylbenzene	**12000**	500000	*12000*		NA	NA	NA	NA
n-Propylbenzene	**3900**	500000	*3900*		NA	NA	NA	NA
o-Chlorotoluene	--	--	--		NA	NA	NA	NA
o-Xylene	--	--	--		NA	NA	NA	NA
p/m-Xylene	--	--	--		NA	NA	NA	NA

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	DW-09 ERM 3/10/2006 40-45	DW-09 ERM 3/10/2006 45-50	DW-09 ERM 3/10/2006 50-55	DW-09-DUP ERM 3/10/2006 50-55
p-Chlorotoluene	--	--	--		NA	NA	NA	NA
p-Isopropyltoluene	--	--	--		NA	NA	NA	NA
sec-Butylbenzene	**11000**	500000	*11000*		NA	NA	NA	NA
Styrene	--	--	--		12 U	12 U	11 U	11 U
tert-Butylbenzene	**5900**	500000	*5900*		NA	NA	NA	NA
Tetrachloroethene	**1300**	150000	*1300*		12 U	12 U	11 U	11 U
Toluene	**700**	500000	*700*		12 U	2 J	2 J	1 J
trans-1,2-Dichloroethene	**190**	500000	*190*		12 U	12 U	11 U	11 U
trans-1,3-Dichloropropene	--	--	--		12 U	12 U	11 U	11 U
trans-1,4-Dichloro-2-butene	--	--	--		NA	NA	NA	NA
Trichloroethene	**470**	200000	*470*		12 U	12 U	11 U	11 U
Trichlorofluoromethane	--	--	--		12 U	12 U	11 U	11 U
Vinyl acetate	--	--	--		NA	NA	NA	NA
Vinyl chloride	**20**	13000	*20*		12 U	12 U	11 U	11 U
Xylenes (total)	**260**	500000	*1600*		12 U	12 U	11 U	11 U
Sum of Constituents					30	30	39	16

NYSDEC - New York State Department of Environmental Conservation
6 NYCRR- Title 6 of the Official Compilation of New York Codes, Rules and Regulations
µg/kg - Micrograms per kilogram
J - Estimated Value
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No NYSDEC 6 NCRR Part 375 Standard Available
Bold data indicates that parameter was detected above the NYSDEC Unrestricted Use Standards
Shaded data indicates that parameter was detected above the NYSDEC Restricted Commercial Standards
Italicized data indicates that parameter was detected above the NYSDEC Protection of Groundwater Standards
NA - Compound was not analyzed by laboratory
R indicates analyses rejected by Data Usability Summary Report

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** **Sampler:** **Sample Date:** **Sample Depth (ft):**	DW-09 ERM 3/13/2006 55-60	DW-09 ERM 3/13/2006 60-65	DW-09 ERM 3/13/2006 65-70	DW-09 ERM 3/13/2006 70-75
1,1,1,2-Tetrachloroethane	--	--	--		NA	NA	NA	NA
1,1,1-Trichloroethane	**680**	500000	*680*		11 U	11 U	11 U	12 U
1,1,2,2-Tetrachloroethane	--	--	--		11 U	11 U	11 U	12 U
1,1,2-Trichloroethane	--	--	--		11 U	11 U	11 U	12 U
1,1-Dichloroethane	**270**	24000	*270*		11 U	11 U	11 U	12 U
1,1-Dichloroethene	**330**	500000	*330*		11 U	11 U	11 U	12 U
1,1-Dichloropropene	--	--	--		NA	NA	NA	NA
1,2,3-Trichlorobenzene	--	--	--		NA	NA	NA	NA
1,2,3-Trichloropropane	--	--	--		NA	NA	NA	NA
1,2,4,5-Tetramethylbenzene	--	--	--		NA	NA	NA	NA
1,2,4-Trichlorobenzene	--	--	--		11 U	11 U	11 U	12 U
1,2,4-Trimethylbenzene	**3600**	190000	*3600*		NA	NA	NA	NA
1,2-Dibromo-3-chloropropan	--	--	--		NA	NA	NA	NA
1,2-Dibromoethane	--	--	--		11 U	11 U	11 U	12 U
1,2-Dichlorobenzene	**1100**	500000	*1100*		11 U	11 U	11 U	12 U
1,2-Dichloroethane	**20**	30000	*20*		11 U	11 U	11 U	12 U
1,2-Dichloropropane	--	--	--		11 U	11 U	11 U	12 U
1,3,5-Trimethylbenzene	**8400**	190000	*8400*		NA	NA	NA	NA
1,3-Dichlorobenzene	**2400**	280000	*2400*		11 U	11 U	11 U	12 U
1,4-Dichlorobenzene	**1800**	130000	*1800*		11 U	11 U	11 U	12 U
1,4-Diethylbenzene	--	--	--		NA	NA	NA	NA
2,2-Dichloropropane	--	--	--		NA	NA	NA	NA
2-Butanone	**120**	500000	*120*		11 U	11 U	11 U	12 U
2-Hexanone	--	--	--		11 U	11 U	11 U	12 U
4-Ethyltoluene	--	--	--		NA	NA	NA	NA
4-Methyl-2-pentanone	--	--	--		11 U	11 U	11 U	12 U
Acetone	**50**	500000	*50*		32 J	15 J	29 J	12 U
Acrylonitrile	--	--	--		NA	NA	NA	NA
Benzene	**60**	44000	*60*		11 U	11 U	11 U	55
Bromobenzene	--	--	--		NA	NA	NA	NA
Bromochloromethane	--	--	--		NA	NA	NA	NA

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** **Sampler:** **Sample Date:** **Sample Depth (ft):**	DW-09 ERM 3/13/2006 55-60	DW-09 ERM 3/13/2006 60-65	DW-09 ERM 3/13/2006 65-70	DW-09 ERM 3/13/2006 70-75
Bromodichloromethane	--	--	--		11 U	11 U	11 U	12 U
Bromoform	--	--	--		11 U	11 U	11 U	12 U
Bromomethane	--	--	--		11 U	11 U	11 U	12 U
Carbon disulfide	--	--	--		11 U	11 U	11 U	12 U
Carbon tetrachloride	**760**	22000	*760*		11 U	11 U	11 U	12 U
Chlorobenzene	**1100**	500000	*1100*		11 U	11 U	11 U	12 U
Chloroethane	--	--	--		11 U	11 U	11 U	12 U
Chloroform	**370**	350000	*370*		11 U	11 U	11 U	12 U
Chloromethane	--	--	--		11 U	11 U	11 U	12 U
cis-1,2-Dichloroethene	**250**	500000	*250*		11 U	11 U	11 U	12 U
cis-1,3-Dichloropropene	--	--	--		11 U	11 U	11 U	12 U
Cyclohexane	--	--	--		11 U	11 U	11 U	12 U
Dibromochloromethane	--	--	--		11 U	11 U	11 U	12 U
Dibromochloropropane	--	--	--		11 U	11 U	11 U	12 U J
Dibromomethane	--	--	--		NA	NA	NA	NA
Dichlorodifluoromethane	--	--	--		11 U	11 U	11 U	12 U
Ethyl ether	--	--	--		NA	NA	NA	NA
Ethylbenzene	**1000**	390000	*1000*		11 U	11 U	11 U	12 U
Freon 113	--	--	--		11 U	11 U	11 U	12 U
Hexachlorobutadiene	--	--	--		NA	NA	NA	NA
Isopropylbenzene	--	--	--		11 U	11 U	11 U	12 U
Methyl acetate	--	--	--		11 U	11 U	11 U	12 U
Methyl tert butyl ether (MTB	**930**	500000	*930*		11 U	11 U	11 U	12 U
Methylcyclohexane	--	--	--		11 U	11 U	11 U	12 U
Methylene chloride	**50**	500000	*50*		8 J	6 J	10 J	12 U J
Naphthalene	--	--	--		NA	NA	NA	NA
n-Butylbenzene	**12000**	500000	*12000*		NA	NA	NA	NA
n-Propylbenzene	**3900**	500000	*3900*		NA	NA	NA	NA
o-Chlorotoluene	--	--	--		NA	NA	NA	NA
o-Xylene	--	--	--		NA	NA	NA	NA
p/m-Xylene	--	--	--		NA	NA	NA	NA

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	DW-09 ERM 3/13/2006 55-60	DW-09 ERM 3/13/2006 60-65	DW-09 ERM 3/13/2006 65-70	DW-09 ERM 3/13/2006 70-75
p-Chlorotoluene	--	--	--		NA	NA	NA	NA
p-Isopropyltoluene	--	--	--		NA	NA	NA	NA
sec-Butylbenzene	**11000**	500000	*11000*		NA	NA	NA	NA
Styrene	--	--	--		11 U	11 U	11 U	12 U
tert-Butylbenzene	**5900**	500000	*5900*		NA	NA	NA	NA
Tetrachloroethene	**1300**	150000	*1300*		11 U	11 U	11 U	12 U J
Toluene	**700**	500000	*700*		2 J	2 J	1 J	12 U J
trans-1,2-Dichloroethene	**190**	500000	*190*		11 U	11 U	11 U	12 U J
trans-1,3-Dichloropropene	--	--	--		11 U	11 U	11 U	12 U J
trans-1,4-Dichloro-2-butene	--	--	--		NA	NA	NA	NA
Trichloroethene	**470**	200000	*470*		11 U	11 U	11 U	12 U J
Trichlorofluoromethane	--	--	--		11 U	11 U	11 U	12 U J
Vinyl acetate	--	--	--		NA	NA	NA	NA
Vinyl chloride	**20**	13000	*20*		11 U	11 U	11 U	12 U J
Xylenes (total)	**260**	500000	*1600*		11 U	11 U	11 U	12 U J
Sum of Constituents					42	23	40	55

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Italicized data indicates that parameter was detected above the NYSDEC Protection of Groundwater Standards
NA - Compound was not analyzed by laboratory
R indicates analyses rejected by Data Usability Summary Report

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** **Sampler:** **Sample Date:** **Sample Depth (ft):**	DW-09 ERM 3/13/2006 75-80	DW-09 ERM 3/13/2006 80-85	DW-10 ERM 3/8/2006 15-20	DW-10 ERM 3/8/2006 20-25
1,1,1,2-Tetrachloroethane	--	--	--		NA	NA	NA	NA
1,1,1-Trichloroethane	**680**	500000	*680*		12 U	13 U	3 J	2 J
1,1,2,2-Tetrachloroethane	--	--	--		12 U	13 U	11 U	11 U
1,1,2-Trichloroethane	--	--	--		12 U	13 U	11 U	11 U
1,1-Dichloroethane	**270**	24000	*270*		12 U	13 U	11 U	11 U
1,1-Dichloroethene	**330**	500000	*330*		12 U	13 U	11 U	11 U
1,1-Dichloropropene	--	--	--		NA	NA	NA	NA
1,2,3-Trichlorobenzene	--	--	--		NA	NA	NA	NA
1,2,3-Trichloropropane	--	--	--		NA	NA	NA	NA
1,2,4,5-Tetramethylbenzene	--	--	--		NA	NA	NA	NA
1,2,4-Trichlorobenzene	--	--	--		12 U	13 U	11 U	11 U
1,2,4-Trimethylbenzene	**3600**	190000	*3600*		NA	NA	NA	NA
1,2-Dibromo-3-chloropropan	--	--	--		NA	NA	NA	NA
1,2-Dibromoethane	--	--	--		12 U	13 U	11 U	11 U
1,2-Dichlorobenzene	**1100**	500000	*1100*		12 U	13 U	11 U	11 U
1,2-Dichloroethane	**20**	30000	*20*		12 U	13 U	11 U	11 U
1,2-Dichloropropane	--	--	--		12 U	13 U	11 U	11 U
1,3,5-Trimethylbenzene	**8400**	190000	*8400*		NA	NA	NA	NA
1,3-Dichlorobenzene	**2400**	280000	*2400*		12 U	13 U	11 U	11 U
1,4-Dichlorobenzene	**1800**	130000	*1800*		12 U	13 U	11 U	11 U
1,4-Diethylbenzene	--	--	--		NA	NA	NA	NA
2,2-Dichloropropane	--	--	--		NA	NA	NA	NA
2-Butanone	**120**	500000	*120*		12 U	13 U	11 U	11 U
2-Hexanone	--	--	--		12 U	13 U	11 U	11 U
4-Ethyltoluene	--	--	--		NA	NA	NA	NA
4-Methyl-2-pentanone	--	--	--		12 U	13 U	11 U	11 U
Acetone	**50**	500000	*50*		12 U	13 U	11 U	11 U
Acrylonitrile	--	--	--		NA	NA	NA	NA
Benzene	**60**	44000	*60*		29	53	11 U	11 U
Bromobenzene	--	--	--		NA	NA	NA	NA
Bromochloromethane	--	--	--		NA	NA	NA	NA

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** **Sampler:** **Sample Date:** **Sample Depth (ft):**	DW-09 ERM 3/13/2006 75-80	DW-09 ERM 3/13/2006 80-85	DW-10 ERM 3/8/2006 15-20	DW-10 ERM 3/8/2006 20-25
Bromodichloromethane	--	--	--		12 U	13 U	11 U	11 U
Bromoform	--	--	--		12 U	13 U	11 U	11 U
Bromomethane	--	--	--		12 U	13 U	11 U	11 U
Carbon disulfide	--	--	--		12 U	13 U	11 U	11 U
Carbon tetrachloride	**760**	22000	*760*		12 U	13 U	11 U	11 U
Chlorobenzene	**1100**	500000	*1100*		12 U	13 U	11 U	11 U
Chloroethane	--	--	--		12 U	13 U	11 U	11 U
Chloroform	**370**	350000	*370*		12 U	13 U	11 U	11 U
Chloromethane	--	--	--		12 U	13 U	11 U	11 U
cis-1,2-Dichloroethene	**250**	500000	*250*		12 U	13 U	11 U	11 U
cis-1,3-Dichloropropene	--	--	--		12 U	13 U	11 U	11 U
Cyclohexane	--	--	--		12 U	13 U	11 U	11 U
Dibromochloromethane	--	--	--		12 U	13 U	11 U	11 U
Dibromochloropropane	--	--	--		12 U J	13 U J	11 U	11 U
Dibromomethane	--	--	--		NA	NA	NA	NA
Dichlorodifluoromethane	--	--	--		12 U	13 U	11 U J	11 U J
Ethyl ether	--	--	--		NA	NA	NA	NA
Ethylbenzene	**1000**	390000	*1000*		12 U	13 U	11 U	11 U
Freon 113	--	--	--		12 U	13 U	11 U	11 U
Hexachlorobutadiene	--	--	--		NA	NA	NA	NA
Isopropylbenzene	--	--	--		12 U	13 U	11 U	11 U
Methyl acetate	--	--	--		12 U	13 U	11 U	11 U
Methyl tert butyl ether (MTB	**930**	500000	*930*		12 U	13 U	11 U	11 U
Methylcyclohexane	--	--	--		12 U	13 U	11 U	11 U
Methylene chloride	**50**	500000	*50*		12 U J	13 U J	11 U	11 U
Naphthalene	--	--	--		NA	NA	NA	NA
n-Butylbenzene	**12000**	500000	*12000*		NA	NA	NA	NA
n-Propylbenzene	**3900**	500000	*3900*		NA	NA	NA	NA
o-Chlorotoluene	--	--	--		NA	NA	NA	NA
o-Xylene	--	--	--		NA	NA	NA	NA
p/m-Xylene	--	--	--		NA	NA	NA	NA

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	DW-09 ERM 3/13/2006 75-80	DW-09 ERM 3/13/2006 80-85	DW-10 ERM 3/8/2006 15-20	DW-10 ERM 3/8/2006 20-25
p-Chlorotoluene	--	--	--		NA	NA	NA	NA
p-Isopropyltoluene	--	--	--		NA	NA	NA	NA
sec-Butylbenzene	**11000**	500000	*11000*		NA	NA	NA	NA
Styrene	--	--	--		12 U	13 U	11 U	11 U
tert-Butylbenzene	**5900**	500000	*5900*		NA	NA	NA	NA
Tetrachloroethene	**1300**	150000	*1300*		12 U J	13 U J	11 U	11 U
Toluene	**700**	500000	*700*		12 U J	13 U J	1 J	1 J
trans-1,2-Dichloroethene	**190**	500000	*190*		12 U J	13 U J	11 U	11 U
trans-1,3-Dichloropropene	--	--	--		12 U J	13 U J	11 U	11 U
trans-1,4-Dichloro-2-butene	--	--	--		NA	NA	NA	NA
Trichloroethene	**470**	200000	*470*		12 U J	13 U J	11 U	11 U
Trichlorofluoromethane	--	--	--		12 U J	13 U J	11 U	11 U
Vinyl acetate	--	--	--		NA	NA	NA	NA
Vinyl chloride	**20**	13000	*20*		12 U J	13 U J	11 U	11 U
Xylenes (total)	**260**	500000	*1600*		12 U J	13 U J	11 U	11 U
Sum of Constituents					29	53	4	3

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Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** **Sampler:** **Sample Date:** **Sample Depth (ft):**	DW-10- DUP ERM 3/8/2006 20-25	DW-10 ERM 3/8/2006 25-30	DW-10 ERM 3/8/2006 30-35	DW-10 ERM 3/8/2006 35-40
1,1,1,2-Tetrachloroethane	--	--	--		NA	NA	NA	NA
1,1,1-Trichloroethane	**680**	500000	*680*		2 J	26	28	38
1,1,2,2-Tetrachloroethane	--	--	--		11 U	11 U	11 U	12 U
1,1,2-Trichloroethane	--	--	--		11 U	11 U	11 U	12 U
1,1-Dichloroethane	**270**	24000	*270*		11 U	11 U	11 U	12 U
1,1-Dichloroethene	**330**	500000	*330*		11 U	2 J	2 J	3 J
1,1-Dichloropropene	--	--	--		NA	NA	NA	NA
1,2,3-Trichlorobenzene	--	--	--		NA	NA	NA	NA
1,2,3-Trichloropropane	--	--	--		NA	NA	NA	NA
1,2,4,5-Tetramethylbenzene	--	--	--		NA	NA	NA	NA
1,2,4-Trichlorobenzene	--	--	--		11 U	11 U	11 U	12 U
1,2,4-Trimethylbenzene	**3600**	190000	*3600*		NA	NA	NA	NA
1,2-Dibromo-3-chloropropan	--	--	--		NA	NA	NA	NA
1,2-Dibromoethane	--	--	--		11 U	11 U	11 U	12 U
1,2-Dichlorobenzene	**1100**	500000	*1100*		11 U	11 U	11 U	12 U
1,2-Dichloroethane	**20**	30000	*20*		11 U	11 U	11 U	12 U
1,2-Dichloropropane	--	--	--		11 U	11 U	11 U	12 U
1,3,5-Trimethylbenzene	**8400**	190000	*8400*		NA	NA	NA	NA
1,3-Dichlorobenzene	**2400**	280000	*2400*		11 U	11 U	11 U	12 U
1,4-Dichlorobenzene	**1800**	130000	*1800*		11 U	11 U	11 U	12 U
1,4-Diethylbenzene	--	--	--		NA	NA	NA	NA
2,2-Dichloropropane	--	--	--		NA	NA	NA	NA
2-Butanone	**120**	500000	*120*		11 U	11 U	11 U	12 U
2-Hexanone	--	--	--		11 U	11 U	11 U	12 U
4-Ethyltoluene	--	--	--		NA	NA	NA	NA
4-Methyl-2-pentanone	--	--	--		11 U	11 U	11 U	12 U
Acetone	**50**	500000	*50*		11 U	5 J	15	9 J
Acrylonitrile	--	--	--		NA	NA	NA	NA
Benzene	**60**	44000	*60*		11 U	11 U	11 U	12 U
Bromobenzene	--	--	--		NA	NA	NA	NA
Bromochloromethane	--	--	--		NA	NA	NA	NA

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** **Sampler:** **Sample Date:** **Sample Depth (ft):**	DW-10- DUP ERM 3/8/2006 20-25	DW-10 ERM 3/8/2006 25-30	DW-10 ERM 3/8/2006 30-35	DW-10 ERM 3/8/2006 35-40
Bromodichloromethane	--	--	--		11 U	11 U	11 U	12 U
Bromoform	--	--	--		11 U	11 U	11 U	12 U
Bromomethane	--	--	--		11 U	11 U	11 U	12 U
Carbon disulfide	--	--	--		11 U	11 U	11 U	12 U
Carbon tetrachloride	**760**	22000	*760*		11 U	11 U	11 U	12 U
Chlorobenzene	**1100**	500000	*1100*		11 U	11 U	11 U	12 U
Chloroethane	--	--	--		11 U	11 U	11 U	12 U
Chloroform	**370**	350000	*370*		11 U	11 U	11 U	12 U
Chloromethane	--	--	--		11 U	11 U	11 U	12 U
cis-1,2-Dichloroethene	**250**	500000	*250*		11 U	11 U	11 U	12 U
cis-1,3-Dichloropropene	--	--	--		11 U	11 U	11 U	12 U
Cyclohexane	--	--	--		11 U	11 U	11 U	12 U
Dibromochloromethane	--	--	--		11 U	11 U	11 U	12 U
Dibromochloropropane	--	--	--		11 U	R	R	12 U
Dibromomethane	--	--	--		NA	NA	NA	NA
Dichlorodifluoromethane	--	--	--		11 U	11 U	11 U J	12 U J
Ethyl ether	--	--	--		NA	NA	NA	NA
Ethylbenzene	**1000**	390000	*1000*		11 U	11 U	11 U	12 U
Freon 113	--	--	--		11 U	11 U	11 U	12 U
Hexachlorobutadiene	--	--	--		NA	NA	NA	NA
Isopropylbenzene	--	--	--		11 U	11 U	11 U	12 U
Methyl acetate	--	--	--		11 U	11 U	11 U	12 U
Methyl tert butyl ether (MTB	**930**	500000	*930*		11 U	11 U	11 U	12 U
Methylcyclohexane	--	--	--		11 U	11 U	11 U	12 U
Methylene chloride	**50**	500000	*50*		11 U	11 U	11 U	12 U
Naphthalene	--	--	--		NA	NA	NA	NA
n-Butylbenzene	**12000**	500000	*12000*		NA	NA	NA	NA
n-Propylbenzene	**3900**	500000	*3900*		NA	NA	NA	NA
o-Chlorotoluene	--	--	--		NA	NA	NA	NA
o-Xylene	--	--	--		NA	NA	NA	NA
p/m-Xylene	--	--	--		NA	NA	NA	NA

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** **Sampler:** **Sample Date:** **Sample Depth (ft):**	DW-10- DUP ERM 3/8/2006 20-25	DW-10 ERM 3/8/2006 25-30	DW-10 ERM 3/8/2006 30-35	DW-10 ERM 3/8/2006 35-40
p-Chlorotoluene	--	--	--		NA	NA	NA	NA
p-Isopropyltoluene	--	--	--		NA	NA	NA	NA
sec-Butylbenzene	**11000**	500000	*11000*		NA	NA	NA	NA
Styrene	--	--	--		11 U	11 U	11 U	12 U
tert-Butylbenzene	**5900**	500000	*5900*		NA	NA	NA	NA
Tetrachloroethene	**1300**	150000	*1300*		11 U	11 U	11 U	12 U
Toluene	**700**	500000	*700*		1 J	11 U	11 U	2 J
trans-1,2-Dichloroethene	**190**	500000	*190*		11 U	11 U	11 U	12 U
trans-1,3-Dichloropropene	--	--	--		11 U	11 U	11 U	12 U
trans-1,4-Dichloro-2-butene	--	--	--		NA	NA	NA	NA
Trichloroethene	**470**	200000	*470*		11 U	11 U	11 U	12 U
Trichlorofluoromethane	--	--	--		11 U	11 U	11 U	12 U
Vinyl acetate	--	--	--		NA	NA	NA	NA
Vinyl chloride	**20**	13000	*20*		11 U	11 U	11 U	12 U
Xylenes (total)	**260**	500000	*1600*		11 U	11 U	11 U	12 U
Sum of Constituents					3	33	45	52

NYSDEC - New York State Department of Environmental Conservation
6 NYCRR- Title 6 of the Official Compilation of New York Codes, Rules and Regulations
µg/kg - Micrograms per kilogram
J - Estimated Value
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No NYSDEC 6 NCRR Part 375 Standard Available
Bold data indicates that parameter was detected above the NYSDEC Unrestricted Use Standards
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Italicized data indicates that parameter was detected above the NYSDEC Protection of Groundwater Standards
NA - Compound was not analyzed by laboratory
R indicates analyses rejected by Data Usability Summary Report

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	DW-10 ERM 3/8/2006 40-45	DW-10 ERM 3/9/2006 45-50	DW-10 ERM 3/9/2006 50-55	DW-10 ERM 3/9/2006 55-60	DW-10 ERM 3/9/2006 60-65
1,1,1,2-Tetrachloroethane	--	--	--		NA	NA	NA	NA	NA
1,1,1-Trichloroethane	**680**	500000	*680*		32	26	16	22	32
1,1,2,2-Tetrachloroethane	--	--	--		12 U	11 U	12 U	13 U	12 U
1,1,2-Trichloroethane	--	--	--		12 U	11 U	12 U	13 U	12 U
1,1-Dichloroethane	**270**	24000	*270*		12 U	11 U	12 U	13 U	12 U
1,1-Dichloroethene	**330**	500000	*330*		12 U	11 U	12 U	13 U	12 U
1,1-Dichloropropene	--	--	--		NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	--	--	--		NA	NA	NA	NA	NA
1,2,3-Trichloropropane	--	--	--		NA	NA	NA	NA	NA
1,2,4,5-Tetramethylbenzene	--	--	--		NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	--	--	--		12 U	11 U	12 U	13 U	12 U
1,2,4-Trimethylbenzene	**3600**	190000	*3600*		NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropan	--	--	--		NA	NA	NA	NA	NA
1,2-Dibromoethane	--	--	--		12 U	11 U	12 U	13 U	12 U
1,2-Dichlorobenzene	**1100**	500000	*1100*		12 U	11 U	12 U	13 U	12 U
1,2-Dichloroethane	**20**	30000	*20*		12 U	11 U	12 U	13 U	12 U
1,2-Dichloropropane	--	--	--		12 U	11 U	12 U	13 U	12 U
1,3,5-Trimethylbenzene	**8400**	190000	*8400*		NA	NA	NA	NA	NA
1,3-Dichlorobenzene	**2400**	280000	*2400*		12 U	11 U	12 U	13 U	12 U
1,4-Dichlorobenzene	**1800**	130000	*1800*		12 U	11 U	12 U	13 U	12 U
1,4-Diethylbenzene	--	--	--		NA	NA	NA	NA	NA
2,2-Dichloropropane	--	--	--		NA	NA	NA	NA	NA
2-Butanone	**120**	500000	*120*		12 U	11 U	12 U	13 U	12 U
2-Hexanone	--	--	--		12 U	11 U	12 U	13 U	12 U
4-Ethyltoluene	--	--	--		NA	NA	NA	NA	NA
4-Methyl-2-pentanone	--	--	--		12 U	11 U	12 U	13 U	12 U
Acetone	**50**	500000	*50*		16	13	14	12 J	13
Acrylonitrile	--	--	--		NA	NA	NA	NA	NA
Benzene	**60**	44000	*60*		12 U	11 U	12 U	13 U	12 U
Bromobenzene	--	--	--		NA	NA	NA	NA	NA
Bromochloromethane	--	--	--		NA	NA	NA	NA	NA

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:**	DW-10	DW-10	DW-10	DW-10	DW-10
				Sampler:	ERM	ERM	ERM	ERM	ERM
				Sample Date:	3/8/2006	3/9/2006	3/9/2006	3/9/2006	3/9/2006
				Sample Depth (ft):	40-45	45-50	50-55	55-60	60-65
Bromodichloromethane	--	--	--		12 U	11 U	12 U	13 U	12 U
Bromoform	--	--	--		12 U	11 U	12 U	13 U	12 U
Bromomethane	--	--	--		12 U	11 U	12 U	13 U	12 U
Carbon disulfide	--	--	--		12 U	11 U	12 U	13 U	12 U
Carbon tetrachloride	**760**	22000	*760*		12 U	11 U	12 U	13 U	12 U
Chlorobenzene	**1100**	500000	*1100*		12 U	11 U	12 U	13 U	12 U
Chloroethane	--	--	--		12 U	11 U	12 U	13 U	12 U
Chloroform	**370**	350000	*370*		12 U	11 U	12 U	13 U	12 U
Chloromethane	--	--	--		12 U	11 U	12 U	13 U	12 U
cis-1,2-Dichloroethene	**250**	500000	*250*		12 U	11 U	12 U	13 U	12 U
cis-1,3-Dichloropropene	--	--	--		12 U	11 U	12 U	13 U	12 U
Cyclohexane	--	--	--		12 U	11 U	12 U	13 U	12 U
Dibromochloromethane	--	--	--		12 U	11 U	12 U	13 U	12 U
Dibromochloropropane	--	--	--		R	11 U J	12 U J	13 U J	12 U J
Dibromomethane	--	--	--		NA	NA	NA	NA	NA
Dichlorodifluoromethane	--	--	--		12 U J	11 U	12 U	13 U	12 U
Ethyl ether	--	--	--		NA	NA	NA	NA	NA
Ethylbenzene	**1000**	390000	*1000*		12 U	11 U	12 U	13 U	12 U
Freon 113	--	--	--		12 U	11 U	12 U	13 U	12 U
Hexachlorobutadiene	--	--	--		NA	NA	NA	NA	NA
Isopropylbenzene	--	--	--		12 U	11 U	12 U	13 U	12 U
Methyl acetate	--	--	--		12 U	11 U	12 U	13 U	12 U
Methyl tert butyl ether (MTB	**930**	500000	*930*		12 U	11 U	12 U	13 U	12 U
Methylcyclohexane	--	--	--		12 U	11 U	12 U	13 U	12 U
Methylene chloride	**50**	500000	*50*		12 U	11 U	12 U	13 U	12 U
Naphthalene	--	--	--		NA	NA	NA	NA	NA
n-Butylbenzene	**12000**	500000	*12000*		NA	NA	NA	NA	NA
n-Propylbenzene	**3900**	500000	*3900*		NA	NA	NA	NA	NA
o-Chlorotoluene	--	--	--		NA	NA	NA	NA	NA
o-Xylene	--	--	--		NA	NA	NA	NA	NA
p/m-Xylene	--	--	--		NA	NA	NA	NA	NA

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	DW-10 ERM 3/8/2006 40-45	DW-10 ERM 3/9/2006 45-50	DW-10 ERM 3/9/2006 50-55	DW-10 ERM 3/9/2006 55-60	DW-10 ERM 3/9/2006 60-65
p-Chlorotoluene	--	--	--		NA	NA	NA	NA	NA
p-Isopropyltoluene	--	--	--		NA	NA	NA	NA	NA
sec-Butylbenzene	**11000**	500000	*11000*		NA	NA	NA	NA	NA
Styrene	--	--	--		12 U	11 U	12 U	13 U	12 U
tert-Butylbenzene	**5900**	500000	*5900*		NA	NA	NA	NA	NA
Tetrachloroethene	**1300**	150000	*1300*		12 U	11 U	12 U	13 U	12 U
Toluene	**700**	500000	*700*		12 U	11 U	12 U	13 U	12 U
trans-1,2-Dichloroethene	**190**	500000	*190*		12 U	11 U	12 U	13 U	12 U
trans-1,3-Dichloropropene	--	--	--		12 U	11 U	12 U	13 U	12 U
trans-1,4-Dichloro-2-butene	--	--	--		NA	NA	NA	NA	NA
Trichloroethene	**470**	200000	*470*		12 U	11 U	12 U	13 U	12 U
Trichlorofluoromethane	--	--	--		12 U	11 U	12 U	13 U	12 U
Vinyl acetate	--	--	--		NA	NA	NA	NA	NA
Vinyl chloride	**20**	13000	*20*		12 U	11 U	12 U	13 U	12 U
Xylenes (total)	**260**	500000	*1600*		12 U	11 U	12 U	13 U	12 U
Sum of Constituents					48	39	30	34	45

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NA - Compound was not analyzed by laboratory
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Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	DW-10 ERM 3/9/2006 65-70	DW-10 ERM 3/9/2006 70-75	DW-10 ERM 3/9/2006 75-80	DW-10 ERM 3/9/2006 80-84	DW-11 ERM 2/28/2006 19-24
1,1,1,2-Tetrachloroethane	--	--	--		NA	NA	NA	NA	NA
1,1,1-Trichloroethane	**680**	500000	*680*		27	18	11 U	12 U	8 J
1,1,2,2-Tetrachloroethane	--	--	--		12 U	11 U	11 U	12 U	10 U
1,1,2-Trichloroethane	--	--	--		12 U	11 U	11 U	12 U	10 U
1,1-Dichloroethane	**270**	24000	*270*		12 U	11 U	11 U	12 U	10 U
1,1-Dichloroethene	**330**	500000	*330*		12 U	11 U	11 U	12 U	10 U
1,1-Dichloropropene	--	--	--		NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	--	--	--		NA	NA	NA	NA	NA
1,2,3-Trichloropropane	--	--	--		NA	NA	NA	NA	NA
1,2,4,5-Tetramethylbenzene	--	--	--		NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	--	--	--		12 U	11 U	11 U	12 U	10 U
1,2,4-Trimethylbenzene	**3600**	190000	*3600*		NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropan	--	--	--		NA	NA	NA	NA	NA
1,2-Dibromoethane	--	--	--		12 U	11 U	11 U	12 U	10 U
1,2-Dichlorobenzene	**1100**	500000	*1100*		12 U	11 U	11 U	12 U	10 U
1,2-Dichloroethane	**20**	30000	*20*		12 U	11 U	11 U	12 U	10 U
1,2-Dichloropropane	--	--	--		12 U	11 U	11 U	12 U	10 U
1,3,5-Trimethylbenzene	**8400**	190000	*8400*		NA	NA	NA	NA	NA
1,3-Dichlorobenzene	**2400**	280000	*2400*		12 U	11 U	11 U	12 U	10 U
1,4-Dichlorobenzene	**1800**	130000	*1800*		12 U	11 U	11 U	12 U	10 U
1,4-Diethylbenzene	--	--	--		NA	NA	NA	NA	NA
2,2-Dichloropropane	--	--	--		NA	NA	NA	NA	NA
2-Butanone	**120**	500000	*120*		12 U	11 U	11 U	12 U	10 U J
2-Hexanone	--	--	--		12 U	11 U	11 U	12 U	10 U
4-Ethyltoluene	--	--	--		NA	NA	NA	NA	NA
4-Methyl-2-pentanone	--	--	--		12 U	11 U	11 U	12 U	10 U
Acetone	**50**	500000	*50*		22	14	11 U	12 U	10 U J
Acrylonitrile	--	--	--		NA	NA	NA	NA	NA
Benzene	**60**	44000	*60*		12 U	11 U	11 U	12 U	10 U
Bromobenzene	--	--	--		NA	NA	NA	NA	NA
Bromochloromethane	--	--	--		NA	NA	NA	NA	NA

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	DW-10 ERM 3/9/2006 65-70	DW-10 ERM 3/9/2006 70-75	DW-10 ERM 3/9/2006 75-80	DW-10 ERM 3/9/2006 80-84	DW-11 ERM 2/28/2006 19-24
Bromodichloromethane	--	--	--		12 U	11 U	11 U	12 U	10 U
Bromoform	--	--	--		12 U	11 U	11 U	12 U	10 U
Bromomethane	--	--	--		12 U	11 U	11 U	12 U	10 U
Carbon disulfide	--	--	--		12 U	11 U	11 U	12 U	10 U
Carbon tetrachloride	**760**	22000	*760*		12 U	11 U	11 U	12 U	10 U
Chlorobenzene	**1100**	500000	*1100*		12 U	11 U	11 U	12 U	10 U
Chloroethane	--	--	--		12 U	11 U	11 U	12 U	10 U
Chloroform	**370**	350000	*370*		12 U	11 U	11 U	12 U	10 U
Chloromethane	--	--	--		12 U	11 U	11 U	12 U	10 U
cis-1,2-Dichloroethene	**250**	500000	*250*		12 U	11 U	11 U	12 U	10 U
cis-1,3-Dichloropropene	--	--	--		12 U	11 U	11 U	12 U	10 U
Cyclohexane	--	--	--		12 U	11 U	11 U	12 U	10 U
Dibromochloromethane	--	--	--		12 U	11 U	11 U	12 U	10 U
Dibromochloropropane	--	--	--		12 U J	R	11 U	12 U	10 U
Dibromomethane	--	--	--		NA	NA	NA	NA	NA
Dichlorodifluoromethane	--	--	--		12 U	11 U J	11 U	12 U	10 U
Ethyl ether	--	--	--		NA	NA	NA	NA	NA
Ethylbenzene	**1000**	390000	*1000*		12 U	11 U	11 U	12 U	10 U
Freon 113	--	--	--		12 U	11 U	11 U	12 U	10 U
Hexachlorobutadiene	--	--	--		NA	NA	NA	NA	NA
Isopropylbenzene	--	--	--		12 U	11 U	11 U	12 U	10 U
Methyl acetate	--	--	--		12 U	11 U	11 U	12 U	10 U
Methyl tert butyl ether (MTB	**930**	500000	*930*		12 U	11 U	11 U	12 U	10 U
Methylcyclohexane	--	--	--		12 U	11 U	11 U	12 U	10 U
Methylene chloride	**50**	500000	*50*		12 U	11 U	11 J	10 J	2 J
Naphthalene	--	--	--		NA	NA	NA	NA	NA
n-Butylbenzene	**12000**	500000	*12000*		NA	NA	NA	NA	NA
n-Propylbenzene	**3900**	500000	*3900*		NA	NA	NA	NA	NA
o-Chlorotoluene	--	--	--		NA	NA	NA	NA	NA
o-Xylene	--	--	--		NA	NA	NA	NA	NA
p/m-Xylene	--	--	--		NA	NA	NA	NA	NA

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	DW-10 ERM 3/9/2006 65-70	DW-10 ERM 3/9/2006 70-75	DW-10 ERM 3/9/2006 75-80	DW-10 ERM 3/9/2006 80-84	DW-11 ERM 2/28/2006 19-24
p-Chlorotoluene	--	--	--		NA	NA	NA	NA	NA
p-Isopropyltoluene	--	--	--		NA	NA	NA	NA	NA
sec-Butylbenzene	**11000**	500000	*11000*		NA	NA	NA	NA	NA
Styrene	--	--	--		12 U	11 U	11 U	12 U	10 U
tert-Butylbenzene	**5900**	500000	*5900*		NA	NA	NA	NA	NA
Tetrachloroethene	**1300**	150000	*1300*		12 U	11 U	11 U	12 U	10 U
Toluene	**700**	500000	*700*		12 U	11 U	11 U	12 U	10 U
trans-1,2-Dichloroethene	**190**	500000	*190*		12 U	11 U	11 U	12 U	10 U
trans-1,3-Dichloropropene	--	--	--		12 U	11 U	11 U	12 U	10 U
trans-1,4-Dichloro-2-butene	--	--	--		NA	NA	NA	NA	NA
Trichloroethene	**470**	200000	*470*		12 U	11 U	11 U	12 U	10 U
Trichlorofluoromethane	--	--	--		12 U	11 U	11 U	12 U	10 U
Vinyl acetate	--	--	--		NA	NA	NA	NA	NA
Vinyl chloride	**20**	13000	*20*		12 U	11 U	11 U	12 U	10 U
Xylenes (total)	**260**	500000	*1600*		12 U	11 U	11 U	12 U	10 U
Sum of Constituents					49	32	11	10	10

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Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	DW-11 ERM 2/28/2006 24-29	DW-11 ERM 2/28/2006 29-34	DW-11 ERM 2/28/2006 34-39	DW-11 ERM 2/28/2006 39-44
1,1,1,2-Tetrachloroethane	--	--	--		NA	NA	NA	NA
1,1,1-Trichloroethane	**680**	500000	*680*		110	55	100	65
1,1,2,2-Tetrachloroethane	--	--	--		12 U	12 U	12 U	11 U
1,1,2-Trichloroethane	--	--	--		12 U	12 U	12 U	11 U
1,1-Dichloroethane	**270**	24000	*270*		2 J	2 J	2 J	1 J
1,1-Dichloroethene	**330**	500000	*330*		12 U	12 U	1 U	11 U
1,1-Dichloropropene	--	--	--		NA	NA	NA	NA
1,2,3-Trichlorobenzene	--	--	--		NA	NA	NA	NA
1,2,3-Trichloropropane	--	--	--		NA	NA	NA	NA
1,2,4,5-Tetramethylbenzene	--	--	--		NA	NA	NA	NA
1,2,4-Trichlorobenzene	--	--	--		12 U	12 U	12 U	11 U
1,2,4-Trimethylbenzene	**3600**	190000	*3600*		NA	NA	NA	NA
1,2-Dibromo-3-chloropropan	--	--	--		NA	NA	NA	NA
1,2-Dibromoethane	--	--	--		12 U	12 U	12 U	11 U
1,2-Dichlorobenzene	**1100**	500000	*1100*		12 U	12 U	12 U	11 U
1,2-Dichloroethane	**20**	30000	*20*		12 U	12 U	12 U	11 U
1,2-Dichloropropane	--	--	--		12 U	12 U	12 U	11 U
1,3,5-Trimethylbenzene	**8400**	190000	*8400*		NA	NA	NA	NA
1,3-Dichlorobenzene	**2400**	280000	*2400*		12 U	12 U	12 U	11 U
1,4-Dichlorobenzene	**1800**	130000	*1800*		12 U	12 U	12 U	11 U
1,4-Diethylbenzene	--	--	--		NA	NA	NA	NA
2,2-Dichloropropane	--	--	--		NA	NA	NA	NA
2-Butanone	**120**	500000	*120*		12 U J	12 U J	12 U J	11 U J
2-Hexanone	--	--	--		12 U	12 U	12 U	11 U
4-Ethyltoluene	--	--	--		NA	NA	NA	NA
4-Methyl-2-pentanone	--	--	--		12 U	12 U	12 U	11 U
Acetone	**50**	500000	*50*		12 U J	12 U J	7 J	34 J
Acrylonitrile	--	--	--		NA	NA	NA	NA
Benzene	**60**	44000	*60*		12 U	12 U	12 U	11 U
Bromobenzene	--	--	--		NA	NA	NA	NA
Bromochloromethane	--	--	--		NA	NA	NA	NA

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	DW-11 ERM 2/28/2006 24-29	DW-11 ERM 2/28/2006 29-34	DW-11 ERM 2/28/2006 34-39	DW-11 ERM 2/28/2006 39-44
Bromodichloromethane	--	--	--		12 U	12 U	12 U	11 U
Bromoform	--	--	--		12 U	12 U	12 U	11 U
Bromomethane	--	--	--		12 U	12 U	12 U	11 U
Carbon disulfide	--	--	--		12 U	12 U	5 J	6 J
Carbon tetrachloride	**760**	22000	*760*		12 U	12 U	12 U	11 U
Chlorobenzene	**1100**	500000	*1100*		12 U	12 U	12 U	11 U
Chloroethane	--	--	--		12 U	12 U	12 U	11 U
Chloroform	**370**	350000	*370*		12 U	12 U	12 U	11 U
Chloromethane	--	--	--		12 U	12 U	12 U	11 U
cis-1,2-Dichloroethene	**250**	500000	*250*		12 U	12 U	12 U	11 U
cis-1,3-Dichloropropene	--	--	--		12 U	12 U	12 U	11 U
Cyclohexane	--	--	--		12 U	12 U	12 U	11 U
Dibromochloromethane	--	--	--		12 U	12 U	12 U	11 U
Dibromochloropropane	--	--	--		12 U	12 U	12 U	11 U
Dibromomethane	--	--	--		NA	NA	NA	NA
Dichlorodifluoromethane	--	--	--		12 U	12 U	12 U	11 U
Ethyl ether	--	--	--		NA	NA	NA	NA
Ethylbenzene	**1000**	390000	*1000*		12 U	12 U	12 U	11 U
Freon 113	--	--	--		12 U	12 U	12 U	11 U
Hexachlorobutadiene	--	--	--		NA	NA	NA	NA
Isopropylbenzene	--	--	--		12 U	12 U	12 U	11 U
Methyl acetate	--	--	--		12 U	12 U	12 U	11 U
Methyl tert butyl ether (MTB	**930**	500000	*930*		12 U	12 U	12 U	11 U
Methylcyclohexane	--	--	--		12 U	12 U	12 U	11 U
Methylene chloride	**50**	500000	*50*		4 J	12 U	12 U J	11 U J
Naphthalene	--	--	--		NA	NA	NA	NA
n-Butylbenzene	**12000**	500000	*12000*		NA	NA	NA	NA
n-Propylbenzene	**3900**	500000	*3900*		NA	NA	NA	NA
o-Chlorotoluene	--	--	--		NA	NA	NA	NA
o-Xylene	--	--	--		NA	NA	NA	NA
p/m-Xylene	--	--	--		NA	NA	NA	NA

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	DW-11 ERM 2/28/2006 24-29	DW-11 ERM 2/28/2006 29-34	DW-11 ERM 2/28/2006 34-39	DW-11 ERM 2/28/2006 39-44
p-Chlorotoluene	--	--	--		NA	NA	NA	NA
p-Isopropyltoluene	--	--	--		NA	NA	NA	NA
sec-Butylbenzene	**11000**	500000	*11000*		NA	NA	NA	NA
Styrene	--	--	--		12 U	12 U	12 U	11 U
tert-Butylbenzene	**5900**	500000	*5900*		NA	NA	NA	NA
Tetrachloroethene	**1300**	150000	*1300*		12 U	12 U	12 U	11 U
Toluene	**700**	500000	*700*		12 U	12 U	12 U	1 J
trans-1,2-Dichloroethene	**190**	500000	*190*		12 U	12 U	12 U	11 U
trans-1,3-Dichloropropene	--	--	--		12 U	12 U	12 U	11 U
trans-1,4-Dichloro-2-butene	--	--	--		NA	NA	NA	NA
Trichloroethene	**470**	200000	*470*		12 U	12 U	12 U	11 U
Trichlorofluoromethane	--	--	--		12 U	12 U	12 U	11 U
Vinyl acetate	--	--	--		NA	NA	NA	NA
Vinyl chloride	**20**	13000	*20*		12 U	12 U	12 U	11 U
Xylenes (total)	**260**	500000	*1600*		12 U	12 U	12 U	11 U
Sum of Constituents					116	57	114	107

NYSDEC - New York State Department of Environmental Conservation
6 NYCRR- Title 6 of the Official Compilation of New York Codes, Rules and Regulations
µg/kg - Micrograms per kilogram
J - Estimated Value
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No NYSDEC 6 NCRR Part 375 Standard Available
Bold data indicates that parameter was detected above the NYSDEC Unrestricted Use Standards
Shaded data indicates that parameter was detected above the NYSDEC Restricted Commercial Standards
Italicized data indicates that parameter was detected above the NYSDEC Protection of Groundwater Standards
NA - Compound was not analyzed by laboratory
R indicates analyses rejected by Data Usability Summary Report

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	DW-11 ERM 2/28/2006 44-49	DW-11 ERM 2/28/2006 49-54	DW-11 ERM 2/28/2006 54-59	DW-11 ERM 2/28/2006 59-64
1,1,1,2-Tetrachloroethane	--	--	--		NA	NA	NA	NA
1,1,1-Trichloroethane	**680**	500000	*680*		45	210	53	110
1,1,2,2-Tetrachloroethane	--	--	--		12 U	12 U	12 U	12 U
1,1,2-Trichloroethane	--	--	--		12 U	12 U	12 U	12 U
1,1-Dichloroethane	**270**	24000	*270*		12 U	2 J	12 U	2 J
1,1-Dichloroethene	**330**	500000	*330*		12 U	1 J	12 U	12 U
1,1-Dichloropropene	--	--	--		NA	NA	NA	NA
1,2,3-Trichlorobenzene	--	--	--		NA	NA	NA	NA
1,2,3-Trichloropropane	--	--	--		NA	NA	NA	NA
1,2,4,5-Tetramethylbenzene	--	--	--		NA	NA	NA	NA
1,2,4-Trichlorobenzene	--	--	--		12 U	12 U	12 U	12 U
1,2,4-Trimethylbenzene	**3600**	190000	*3600*		NA	NA	NA	NA
1,2-Dibromo-3-chloropropan	--	--	--		NA	NA	NA	NA
1,2-Dibromoethane	--	--	--		12 U	12 U	12 U	12 U
1,2-Dichlorobenzene	**1100**	500000	*1100*		12 U	12 U	12 U	12 U
1,2-Dichloroethane	**20**	30000	*20*		12 U	12 U	12 U	12 U
1,2-Dichloropropane	--	--	--		12 U	12 U	12 U	12 U
1,3,5-Trimethylbenzene	**8400**	190000	*8400*		NA	NA	NA	NA
1,3-Dichlorobenzene	**2400**	280000	*2400*		12 U	12 U	12 U	12 U
1,4-Dichlorobenzene	**1800**	130000	*1800*		12 U	12 U	12 U	12 U
1,4-Diethylbenzene	--	--	--		NA	NA	NA	NA
2,2-Dichloropropane	--	--	--		NA	NA	NA	NA
2-Butanone	**120**	500000	*120*		12 U J	12 U J	12 U J	12 U J
2-Hexanone	--	--	--		12 U	12 U	12 U	12 U
4-Ethyltoluene	--	--	--		NA	NA	NA	NA
4-Methyl-2-pentanone	--	--	--		12 U	12 U	12 U	12 U
Acetone	**50**	500000	*50*		***81 J***	7 J	12 U J	12 U J
Acrylonitrile	--	--	--		NA	NA	NA	NA
Benzene	**60**	44000	*60*		12 U	12 U	12 U	12 U
Bromobenzene	--	--	--		NA	NA	NA	NA
Bromochloromethane	--	--	--		NA	NA	NA	NA

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	DW-11 ERM 2/28/2006 44-49	DW-11 ERM 2/28/2006 49-54	DW-11 ERM 2/28/2006 54-59	DW-11 ERM 2/28/2006 59-64
Bromodichloromethane	--	--	--		12 U	12 U	12 U	12 U
Bromoform	--	--	--		12 U	12 U	12 U	12 U
Bromomethane	--	--	--		12 U	12 U	12 U	12 U
Carbon disulfide	--	--	--		8 J	12 U	12 U	12 U
Carbon tetrachloride	**760**	22000	*760*		12 U	12 U	12 U	12 U
Chlorobenzene	**1100**	500000	*1100*		12 U	12 U	12 U	12 U
Chloroethane	--	--	--		12 U	12 U J	12 U J	12 U J
Chloroform	**370**	350000	*370*		12 U	1 J	2 J	2 J
Chloromethane	--	--	--		12 U	12 U	12 U	12 U
cis-1,2-Dichloroethene	**250**	500000	*250*		12 U	12 U	12 U	12 U
cis-1,3-Dichloropropene	--	--	--		12 U	12 U	12 U	12 U
Cyclohexane	--	--	--		12 U	12 U	12 U	12 U
Dibromochloromethane	--	--	--		12 U	12 U	12 U	12 U
Dibromochloropropane	--	--	--		12 U	12 U	12 U	12 U
Dibromomethane	--	--	--		NA	NA	NA	NA
Dichlorodifluoromethane	--	--	--		12 U	12 U	12 U	12 U
Ethyl ether	--	--	--		NA	NA	NA	NA
Ethylbenzene	**1000**	390000	*1000*		12 U	12 U	12 U	12 U
Freon 113	--	--	--		12 U	12 U	12 U	12 U
Hexachlorobutadiene	--	--	--		NA	NA	NA	NA
Isopropylbenzene	--	--	--		12 U	12 U	12 U	12 U
Methyl acetate	--	--	--		12 U	12 U	12 U	12 U
Methyl tert butyl ether (MTB	**930**	500000	*930*		12 U	12 U	12 U	12 U
Methylcyclohexane	--	--	--		12 U	12 U	12 U	12 U
Methylene chloride	**50**	500000	*50*		5 J	6 J	3 J	3 J
Naphthalene	--	--	--		NA	NA	NA	NA
n-Butylbenzene	**12000**	500000	*12000*		NA	NA	NA	NA
n-Propylbenzene	**3900**	500000	*3900*		NA	NA	NA	NA
o-Chlorotoluene	--	--	--		NA	NA	NA	NA
o-Xylene	--	--	--		NA	NA	NA	NA
p/m-Xylene	--	--	--		NA	NA	NA	NA

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	DW-11 ERM 2/28/2006 44-49	DW-11 ERM 2/28/2006 49-54	DW-11 ERM 2/28/2006 54-59	DW-11 ERM 2/28/2006 59-64
p-Chlorotoluene	--	--	--		NA	NA	NA	NA
p-Isopropyltoluene	--	--	--		NA	NA	NA	NA
sec-Butylbenzene	**11000**	500000	*11000*		NA	NA	NA	NA
Styrene	--	--	--		12 U	12 U	12 U	12 U
tert-Butylbenzene	**5900**	500000	*5900*		NA	NA	NA	NA
Tetrachloroethene	**1300**	150000	*1300*		12 U	12 U	12 U	12 U
Toluene	**700**	500000	*700*		12 U	1 J	12 U	12 U
trans-1,2-Dichloroethene	**190**	500000	*190*		12 U	12 U	12 U	12 U
trans-1,3-Dichloropropene	--	--	--		12 U	12 U	12 U	12 U
trans-1,4-Dichloro-2-butene	--	--	--		NA	NA	NA	NA
Trichloroethene	**470**	200000	*470*		12 U	12 U	12 U	12 U
Trichlorofluoromethane	--	--	--		12 U	12 U	12 U	12 U
Vinyl acetate	--	--	--		NA	NA	NA	NA
Vinyl chloride	**20**	13000	*20*		12 U	12 U	12 U	12 U
Xylenes (total)	**260**	500000	*1600*		12 U	12 U	12 U	12 U
Sum of Constituents					139	228	56	117

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µg/kg - Micrograms per kilogram
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NA - Compound was not analyzed by laboratory
R indicates analyses rejected by Data Usability Summary Report

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	DW-11 ERM 2/28/2006 64-69	DW-11 ERM 2/28/2006 69-74	DW-11 ERM 3/1/2006 74-79	DW-11 ERM 3/1/2006 74-79	DW-11 ERM 3/1/2006 79-84
1,1,1,2-Tetrachloroethane	--	--	--		NA	NA	NA	NA	NA
1,1,1-Trichloroethane	**680**	500000	*680*		56	58	51	47	20
1,1,2,2-Tetrachloroethane	--	--	--		11 U	12 U	11 U	11 U	12 U
1,1,2-Trichloroethane	--	--	--		11 U	12 U	11 U	11 U	12 U
1,1-Dichloroethane	**270**	24000	*270*		11 U	12 U	11 U	11 U	12 U
1,1-Dichloroethene	**330**	500000	*330*		11 U	12 U	11 U	11 U	12 U
1,1-Dichloropropene	--	--	--		NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	--	--	--		NA	NA	NA	NA	NA
1,2,3-Trichloropropane	--	--	--		NA	NA	NA	NA	NA
1,2,4,5-Tetramethylbenzene	--	--	--		NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	--	--	--		11 U	12 U	11 U	11 U	12 U
1,2,4-Trimethylbenzene	**3600**	190000	*3600*		NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropan	--	--	--		NA	NA	NA	NA	NA
1,2-Dibromoethane	--	--	--		11 U	12 U	11 U	11 U	12 U
1,2-Dichlorobenzene	**1100**	500000	*1100*		11 U	12 U	11 U	11 U	12 U
1,2-Dichloroethane	**20**	30000	*20*		11 U	12 U	11 U	11 U	12 U
1,2-Dichloropropane	--	--	--		11 U	12 U	11 U	11 U	12 U
1,3,5-Trimethylbenzene	**8400**	190000	*8400*		NA	NA	NA	NA	NA
1,3-Dichlorobenzene	**2400**	280000	*2400*		11 U	12 U	11 U	11 U	12 U
1,4-Dichlorobenzene	**1800**	130000	*1800*		11 U	12 U	11 U	11 U	12 U
1,4-Diethylbenzene	--	--	--		NA	NA	NA	NA	NA
2,2-Dichloropropane	--	--	--		NA	NA	NA	NA	NA
2-Butanone	**120**	500000	*120*		11 U J	12 U J	11 U J	11 U J	12 U J
2-Hexanone	--	--	--		11 U	12 U	11 U	11 U	12 U
4-Ethyltoluene	--	--	--		NA	NA	NA	NA	NA
4-Methyl-2-pentanone	--	--	--		11 U	12 U	11 U	11 U	12 U
Acetone	**50**	500000	*50*		11 U J	12 U J	7 J	6 J	12 U J
Acrylonitrile	--	--	--		NA	NA	NA	NA	NA
Benzene	**60**	44000	*60*		11 U	12 U	11 U	11 U	12 U
Bromobenzene	--	--	--		NA	NA	NA	NA	NA
Bromochloromethane	--	--	--		NA	NA	NA	NA	NA

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	DW-11 ERM 2/28/2006 64-69	DW-11 ERM 2/28/2006 69-74	DW-11 ERM 3/1/2006 74-79	DW-11 ERM 3/1/2006 74-79	DW-11 ERM 3/1/2006 79-84
Bromodichloromethane	--	--	--		11 U	12 U	11 U	11 U	12 U
Bromoform	--	--	--		11 U	12 U	11 U	11 U	12 U
Bromomethane	--	--	--		11 U	12 U	11 U	11 U	12 U
Carbon disulfide	--	--	--		11 U	12 U	11 U	11 U	12 U
Carbon tetrachloride	**760**	22000	*760*		11 U	12 U	11 U	11 U	12 U
Chlorobenzene	**1100**	500000	*1100*		11 U	12 U	11 U	11 U	12 U
Chloroethane	--	--	--		11 U J	12 U J	11 U J	11 U J	12 U J
Chloroform	**370**	350000	*370*		2 J	2 J	2 J	2 J	2 J
Chloromethane	--	--	--		11 U	12 U	11 U	11 U	12 U
cis-1,2-Dichloroethene	**250**	500000	*250*		11 U	12 U	11 U	11 U	12 U
cis-1,3-Dichloropropene	--	--	--		11 U	12 U	11 U	11 U	12 U
Cyclohexane	--	--	--		11 U	12 U	11 U	11 U	12 U
Dibromochloromethane	--	--	--		11 U	12 U	11 U	11 U	12 U
Dibromochloropropane	--	--	--		11 U	12 U	11 U	11 U	12 U
Dibromomethane	--	--	--		NA	NA	NA	NA	NA
Dichlorodifluoromethane	--	--	--		11 U	12 U	11 U	11 U	12 U
Ethyl ether	--	--	--		NA	NA	NA	NA	NA
Ethylbenzene	**1000**	390000	*1000*		11 U	12 U	11 U	11 U	12 U
Freon 113	--	--	--		11 U	12 U	11 U	11 U	12 U
Hexachlorobutadiene	--	--	--		NA	NA	NA	NA	NA
Isopropylbenzene	--	--	--		11 U	12 U	11 U	11 U	12 U
Methyl acetate	--	--	--		11 U	12 U	11 U	11 U	12 U
Methyl tert butyl ether (MTB	**930**	500000	*930*		11 U	12 U	11 U	11 U	12 U
Methylcyclohexane	--	--	--		11 U	12 U	11 U	11 U	12 U
Methylene chloride	**50**	500000	*50*		4 J	12 U	11 U	3 J	3 J
Naphthalene	--	--	--		NA	NA	NA	NA	NA
n-Butylbenzene	**12000**	500000	*12000*		NA	NA	NA	NA	NA
n-Propylbenzene	**3900**	500000	*3900*		NA	NA	NA	NA	NA
o-Chlorotoluene	--	--	--		NA	NA	NA	NA	NA
o-Xylene	--	--	--		NA	NA	NA	NA	NA
p/m-Xylene	--	--	--		NA	NA	NA	NA	NA

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	DW-11 ERM 2/28/2006 64-69	DW-11 ERM 2/28/2006 69-74	DW-11 ERM 3/1/2006 74-79	DW-11 ERM 3/1/2006 74-79	DW-11 ERM 3/1/2006 79-84
p-Chlorotoluene	--	--	--		NA	NA	NA	NA	NA
p-Isopropyltoluene	--	--	--		NA	NA	NA	NA	NA
sec-Butylbenzene	**11000**	500000	*11000*		NA	NA	NA	NA	NA
Styrene	--	--	--		11 U	12 U	11 U	11 U	12 U
tert-Butylbenzene	**5900**	500000	*5900*		NA	NA	NA	NA	NA
Tetrachloroethene	**1300**	150000	*1300*		11 U	12 U	11 U	11 U	12 U
Toluene	**700**	500000	*700*		11 U	12 U	11 U	11 U	12 U
trans-1,2-Dichloroethene	**190**	500000	*190*		11 U	12 U	11 U	11 U	12 U
trans-1,3-Dichloropropene	--	--	--		11 U	12 U	11 U	11 U	12 U
trans-1,4-Dichloro-2-butene	--	--	--		NA	NA	NA	NA	NA
Trichloroethene	**470**	200000	*470*		11 U	12 U	11 U	11 U	12 U
Trichlorofluoromethane	--	--	--		11 U	12 U	11 U	11 U	12 U
Vinyl acetate	--	--	--		NA	NA	NA	NA	NA
Vinyl chloride	**20**	13000	*20*		11 U	12 U	11 U	11 U	12 U
Xylenes (total)	**260**	500000	*1600*		11 U	12 U	11 U	11 U	12 U
Sum of Constituents					72	60	60	58	25

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R indicates analyses rejected by Data Usability Summary Report

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	DW-11 ERM 3/1/2006 84-89	DW-12 ERM 3/2/2006 20-25	DW-12 ERM 3/2/2006 25-30	DW-12 ERM 3/2/2006 35-40	DW-12 ERM 3/2/2006 40-45
1,1,1,2-Tetrachloroethane	--	--	--		NA	NA	NA	NA	NA
1,1,1-Trichloroethane	**680**	500000	*680*		51	18	53	64	46
1,1,2,2-Tetrachloroethane	--	--	--		12 U	11 U	12 U	12 U	12 U
1,1,2-Trichloroethane	--	--	--		12 U	11 U	12 U	12 U	12 U
1,1-Dichloroethane	**270**	24000	*270*		12 U	11 U	1 J	12 U	12 U
1,1-Dichloroethene	**330**	500000	*330*		12 U	11 U	12 U	2 J	3 J
1,1-Dichloropropene	--	--	--		NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	--	--	--		NA	NA	NA	NA	NA
1,2,3-Trichloropropane	--	--	--		NA	NA	NA	NA	NA
1,2,4,5-Tetramethylbenzene	--	--	--		NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	--	--	--		12 U	11 U	12 U	12 U	12 U
1,2,4-Trimethylbenzene	**3600**	190000	*3600*		NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropan	--	--	--		NA	NA	NA	NA	NA
1,2-Dibromoethane	--	--	--		12 U	11 U	12 U	12 U	12 U
1,2-Dichlorobenzene	**1100**	500000	*1100*		12 U	11 U	12 U	12 U	12 U
1,2-Dichloroethane	**20**	30000	*20*		12 U	11 U	12 U	12 U	12 U
1,2-Dichloropropane	--	--	--		12 U	11 U	12 U	12 U	12 U
1,3,5-Trimethylbenzene	**8400**	190000	*8400*		NA	NA	NA	NA	NA
1,3-Dichlorobenzene	**2400**	280000	*2400*		12 U	11 U	12 U	12 U	12 U
1,4-Dichlorobenzene	**1800**	130000	*1800*		12 U	11 U	12 U	12 U	12 U
1,4-Diethylbenzene	--	--	--		NA	NA	NA	NA	NA
2,2-Dichloropropane	--	--	--		NA	NA	NA	NA	NA
2-Butanone	**120**	500000	*120*		12 U J	11 U J	12 U J	12 U J	12 U J
2-Hexanone	--	--	--		12 U	11 U	12 U	12 U	12 U
4-Ethyltoluene	--	--	--		NA	NA	NA	NA	NA
4-Methyl-2-pentanone	--	--	--		12 U	11 U	12 U	12 U	12 U
Acetone	**50**	500000	*50*		7 J	12	12	13	7 J
Acrylonitrile	--	--	--		NA	NA	NA	NA	NA
Benzene	**60**	44000	*60*		12 U	11 U	12 U	12 U	2 J
Bromobenzene	--	--	--		NA	NA	NA	NA	NA
Bromochloromethane	--	--	--		NA	NA	NA	NA	NA

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	DW-11 ERM 3/1/2006 84-89	DW-12 ERM 3/2/2006 20-25	DW-12 ERM 3/2/2006 25-30	DW-12 ERM 3/2/2006 35-40	DW-12 ERM 3/2/2006 40-45
Bromodichloromethane	--	--	--		12 U	11 U	12 U	12 U	12 U
Bromoform	--	--	--		12 U	11 U	12 U	12 U	12 U
Bromomethane	--	--	--		12 U	11 U	12 U	12 U	12 U
Carbon disulfide	--	--	--		12 U	11 U	12 U	12 U	12 U
Carbon tetrachloride	**760**	22000	*760*		12 U	11 U	12 U	12 U	12 U
Chlorobenzene	**1100**	500000	*1100*		12 U	11 U	12 U	12 U	2 J
Chloroethane	--	--	--		12 U J	11 U	12 U	12 U	12 U
Chloroform	**370**	350000	*370*		2 J	11 U	12 U	12 U	12 U
Chloromethane	--	--	--		12 U	11 U	12 U	12 U	12 U
cis-1,2-Dichloroethene	**250**	500000	*250*		12 U	11 U	12 U	12 U	12 U
cis-1,3-Dichloropropene	--	--	--		12 U	11 U	12 U	12 U	12 U
Cyclohexane	--	--	--		12 U	11 U	12 U	12 U	12 U
Dibromochloromethane	--	--	--		12 U	11 U	12 U	12 U	12 U
Dibromochloropropane	--	--	--		12 U	11 U	12 U	12 U	12 U
Dibromomethane	--	--	--		NA	NA	NA	NA	NA
Dichlorodifluoromethane	--	--	--		12 U	11 U	12 U	12 U	12 U
Ethyl ether	--	--	--		NA	NA	NA	NA	NA
Ethylbenzene	**1000**	390000	*1000*		12 U	11 U	12 U	12 U	12 U
Freon 113	--	--	--		12 U	11 U	12 U	12 U	12 U
Hexachlorobutadiene	--	--	--		NA	NA	NA	NA	NA
Isopropylbenzene	--	--	--		12 U	11 U	12 U	12 U	12 U
Methyl acetate	--	--	--		12 U	11 U	12 U	12 U	12 U
Methyl tert butyl ether (MTB	**930**	500000	*930*		12 U	11 U	12 U	12 U	12 U
Methylcyclohexane	--	--	--		12 U	11 U	12 U	12 U	12 U
Methylene chloride	**50**	500000	*50*		4 J	11 U	12 U	12 U	12 U
Naphthalene	--	--	--		NA	NA	NA	NA	NA
n-Butylbenzene	**12000**	500000	*12000*		NA	NA	NA	NA	NA
n-Propylbenzene	**3900**	500000	*3900*		NA	NA	NA	NA	NA
o-Chlorotoluene	--	--	--		NA	NA	NA	NA	NA
o-Xylene	--	--	--		NA	NA	NA	NA	NA
p/m-Xylene	--	--	--		NA	NA	NA	NA	NA

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	DW-11 ERM 3/1/2006 84-89	DW-12 ERM 3/2/2006 20-25	DW-12 ERM 3/2/2006 25-30	DW-12 ERM 3/2/2006 35-40	DW-12 ERM 3/2/2006 40-45
p-Chlorotoluene	--	--	--		NA	NA	NA	NA	NA
p-Isopropyltoluene	--	--	--		NA	NA	NA	NA	NA
sec-Butylbenzene	**11000**	500000	*11000*		NA	NA	NA	NA	NA
Styrene	--	--	--		12 U	11 U	12 U	12 U	12 U
tert-Butylbenzene	**5900**	500000	*5900*		NA	NA	NA	NA	NA
Tetrachloroethene	**1300**	150000	*1300*		12 U	11 U	12 U	12 U	12 U
Toluene	**700**	500000	*700*		12 U	11 U	12 U	12 U	2 J
trans-1,2-Dichloroethene	**190**	500000	*190*		12 U	11 U	12 U	12 U	12 U
trans-1,3-Dichloropropene	--	--	--		12 U	11 U	12 U	12 U	12 U
trans-1,4-Dichloro-2-butene	--	--	--		NA	NA	NA	NA	NA
Trichloroethene	**470**	200000	*470*		12 U	11 U	12 U	12 U	2 J
Trichlorofluoromethane	--	--	--		12 U	11 U	12 U	12 U	12 U
Vinyl acetate	--	--	--		NA	NA	NA	NA	NA
Vinyl chloride	**20**	13000	*20*		12 U	11 U	12 U	12 U	12 U
Xylenes (total)	**260**	500000	*1600*		12 U	11 U	12 U	12 U	12 U
Sum of Constituents					64	30	66	79	64

NYSDEC - New York State Department of Environmental Conservation
6 NYCRR- Title 6 of the Official Compilation of New York Codes, Rules and Regulations
µg/kg - Micrograms per kilogram
J - Estimated Value
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No NYSDEC 6 NCRR Part 375 Standard Available
Bold data indicates that parameter was detected above the NYSDEC Unrestricted Use Standards
Shaded data indicates that parameter was detected above the NYSDEC Restricted Commercial Standards
Italicized data indicates that parameter was detected above the NYSDEC Protection of Groundwater Standards
NA - Compound was not analyzed by laboratory
R indicates analyses rejected by Data Usability Summary Report

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	DW-12 ERM 3/2/2006 45-50	DW-12 ERM 3/2/2006 50-55	DW-12 ERM 3/2/2006 50-55	DW-12 ERM 3/2/2006 55-60	DW-12 ERM 3/2/2006 60-65
1,1,1,2-Tetrachloroethane	--	--	--		NA	NA	NA	NA	NA
1,1,1-Trichloroethane	**680**	500000	*680*		33	25	36	60	21
1,1,2,2-Tetrachloroethane	--	--	--		11 U	11 U	12 U	12 U	11 U
1,1,2-Trichloroethane	--	--	--		11 U	11 U	12 U	12 U	11 U
1,1-Dichloroethane	**270**	24000	*270*		11 U	11 U	12 U	12 U	11 U
1,1-Dichloroethene	**330**	500000	*330*		4 J	11 U	12 U	2 J	11 U
1,1-Dichloropropene	--	--	--		NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	--	--	--		NA	NA	NA	NA	NA
1,2,3-Trichloropropane	--	--	--		NA	NA	NA	NA	NA
1,2,4,5-Tetramethylbenzene	--	--	--		NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	--	--	--		11 U	11 U J	12 U	12 U J	11 U
1,2,4-Trimethylbenzene	**3600**	190000	*3600*		NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropan	--	--	--		NA	NA	NA	NA	NA
1,2-Dibromoethane	--	--	--		11 U	11 U	12 U	12 U	11 U
1,2-Dichlorobenzene	**1100**	500000	*1100*		11 U	11 U	12 U	12 U	11 U
1,2-Dichloroethane	**20**	30000	*20*		11 U	11 U	12 U	12 U	11 U
1,2-Dichloropropane	--	--	--		11 U	11 U	12 U	12 U	11 U
1,3,5-Trimethylbenzene	**8400**	190000	*8400*		NA	NA	NA	NA	NA
1,3-Dichlorobenzene	**2400**	280000	*2400*		11 U	11 U	12 U	12 U	11 U
1,4-Dichlorobenzene	**1800**	130000	*1800*		11 U	11 U	12 U	12 U	11 U
1,4-Diethylbenzene	--	--	--		NA	NA	NA	NA	NA
2,2-Dichloropropane	--	--	--		NA	NA	NA	NA	NA
2-Butanone	**120**	500000	*120*		11 U J	11 U	12 U J	12 U	11 U J
2-Hexanone	--	--	--		11 U	11 U	12 U	12 U	11 U
4-Ethyltoluene	--	--	--		NA	NA	NA	NA	NA
4-Methyl-2-pentanone	--	--	--		11 U	11 U	12 U	12 U	11 U
Acetone	**50**	500000	*50*		30	15	10 J	21	13
Acrylonitrile	--	--	--		NA	NA	NA	NA	NA
Benzene	**60**	44000	*60*		3 J	11 U	12 U	12 U	11 U
Bromobenzene	--	--	--		NA	NA	NA	NA	NA
Bromochloromethane	--	--	--		NA	NA	NA	NA	NA

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:**	DW-12	DW-12	DW-12	DW-12	DW-12
				Sampler:	ERM	ERM	ERM	ERM	ERM
				Sample Date:	3/2/2006	3/2/2006	3/2/2006	3/2/2006	3/2/2006
				Sample Depth (ft):	45-50	50-55	50-55	55-60	60-65
Bromodichloromethane	--	--	--		11 U	11 U	12 U	12 U	11 U
Bromoform	--	--	--		11 U	11 U	12 U	12 U	11 U
Bromomethane	--	--	--		11 U	11 U	12 U	12 U J	11 U
Carbon disulfide	--	--	--		11 U	11 U	12 U	12 U	11 U
Carbon tetrachloride	**760**	22000	*760*		11 U	11 U	12 U	12 U	11 U
Chlorobenzene	**1100**	500000	*1100*		3 J	11 U	12 U	12 U	11 U
Chloroethane	--	--	--		11 U	11 U	12 U	12 U	11 U
Chloroform	**370**	350000	*370*		11 U	2 J	12 U	2 J	11 U
Chloromethane	--	--	--		11 U	11 U	12 U	12 U	11 U
cis-1,2-Dichloroethene	**250**	500000	*250*		11 U	11 U	12 U	12 U	11 U
cis-1,3-Dichloropropene	--	--	--		11 U	11 U	12 U	12 U	11 U
Cyclohexane	--	--	--		11 U	11 U	12 U	12 U	11 U
Dibromochloromethane	--	--	--		11 U	11 U	12 U	12 U	11 U
Dibromochloropropane	--	--	--		11 U	11 U	12 U	12 U	11 U
Dibromomethane	--	--	--		NA	NA	NA	NA	NA
Dichlorodifluoromethane	--	--	--		11 U	11 U	12 U	12 U	11 U
Ethyl ether	--	--	--		NA	NA	NA	NA	NA
Ethylbenzene	**1000**	390000	*1000*		11 U	11 U	12 U	12 U	11 U
Freon 113	--	--	--		11 U	11 U	12 U	12 U	11 U
Hexachlorobutadiene	--	--	--		NA	NA	NA	NA	NA
Isopropylbenzene	--	--	--		11 U	11 U	12 U	12 U	11 U
Methyl acetate	--	--	--		11 U	11 U	12 U	12 U	11 U
Methyl tert butyl ether (MTB	**930**	500000	*930*		11 U	11 U	12 U	12 U	11 U
Methylcyclohexane	--	--	--		11 U	11 U	12 U	12 U	11 U
Methylene chloride	**50**	500000	*50*		15 U	11 U	12 U	5 J	11 U
Naphthalene	--	--	--		NA	NA	NA	NA	NA
n-Butylbenzene	**12000**	500000	*12000*		NA	NA	NA	NA	NA
n-Propylbenzene	**3900**	500000	*3900*		NA	NA	NA	NA	NA
o-Chlorotoluene	--	--	--		NA	NA	NA	NA	NA
o-Xylene	--	--	--		NA	NA	NA	NA	NA
p/m-Xylene	--	--	--		NA	NA	NA	NA	NA

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	DW-12 ERM 3/2/2006 45-50	DW-12 ERM 3/2/2006 50-55	DW-12 ERM 3/2/2006 50-55	DW-12 ERM 3/2/2006 55-60	DW-12 ERM 3/2/2006 60-65
p-Chlorotoluene	--	--	--		NA	NA	NA	NA	NA
p-Isopropyltoluene	--	--	--		NA	NA	NA	NA	NA
sec-Butylbenzene	**11000**	500000	*11000*		NA	NA	NA	NA	NA
Styrene	--	--	--		11 U	3 J	12 U	12 U	11 U
tert-Butylbenzene	**5900**	500000	*5900*		NA	NA	NA	NA	NA
Tetrachloroethene	**1300**	150000	*1300*		11 U	11 U	12 U	12 U	11 U
Toluene	**700**	500000	*700*		3 J	11 U	12 U	12 U	11 U
trans-1,2-Dichloroethene	**190**	500000	*190*		11 U	11 U	12 U	12 U	11 U
trans-1,3-Dichloropropene	--	--	--		11 U	11 U	12 U	12 U	11 U
trans-1,4-Dichloro-2-butene	--	--	--		NA	NA	NA	NA	NA
Trichloroethene	**470**	200000	*470*		2 J	11 U	12 U	12 U	11 U
Trichlorofluoromethane	--	--	--		11 U	11 U	12 U	12 U	11 U
Vinyl acetate	--	--	--		NA	NA	NA	NA	NA
Vinyl chloride	**20**	13000	*20*		11 U	11 U	12 U	12 U	11 U
Xylenes (total)	**260**	500000	*1600*		11 U	11 U	12 U	12 U	11 U
Sum of Constituents					78	45	46	90	34

NYSDEC - New York State Department of Environmental Conservation
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µg/kg - Micrograms per kilogram
J - Estimated Value
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No NYSDEC 6 NCRR Part 375 Standard Available
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NA - Compound was not analyzed by laboratory
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Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	DW-12 ERM 3/2/2006 65-70	DW-12 ERM 3/3/2006 70-75	DW-12 ERM 3/3/2006 75-80	DW-12 ERM 3/3/2006 80-85	DW-12 ERM 3/3/2006 85-90
1,1,1,2-Tetrachloroethane	--	--	--		NA	NA	NA	NA	NA
1,1,1-Trichloroethane	**680**	500000	*680*		60	55	49	57	60
1,1,2,2-Tetrachloroethane	--	--	--		12 U	12 U	12 U	12 U	12 U
1,1,2-Trichloroethane	--	--	--		12 U	12 U	12 U	12 U	12 U
1,1-Dichloroethane	**270**	24000	*270*		12 U	12 U	12 U	12 U	12 U
1,1-Dichloroethene	**330**	500000	*330*		2 J	2 J	1 J	2 J	2 J
1,1-Dichloropropene	--	--	--		NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	--	--	--		NA	NA	NA	NA	NA
1,2,3-Trichloropropane	--	--	--		NA	NA	NA	NA	NA
1,2,4,5-Tetramethylbenzene	--	--	--		NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	--	--	--		12 U	12 U J	12 U J	12 U J	12 U J
1,2,4-Trimethylbenzene	**3600**	190000	*3600*		NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropan	--	--	--		NA	NA	NA	NA	NA
1,2-Dibromoethane	--	--	--		12 U	12 U	12 U	12 U	12 U
1,2-Dichlorobenzene	**1100**	500000	*1100*		12 U	12 U	12 U	12 U	12 U
1,2-Dichloroethane	**20**	30000	*20*		12 U	12 U	12 U	12 U	12 U
1,2-Dichloropropane	--	--	--		12 U	12 U	12 U	12 U	12 U
1,3,5-Trimethylbenzene	**8400**	190000	*8400*		NA	NA	NA	NA	NA
1,3-Dichlorobenzene	**2400**	280000	*2400*		12 U	12 U	12 U	12 U	12 U
1,4-Dichlorobenzene	**1800**	130000	*1800*		12 U	12 U	12 U	12 U	12 U
1,4-Diethylbenzene	--	--	--		NA	NA	NA	NA	NA
2,2-Dichloropropane	--	--	--		NA	NA	NA	NA	NA
2-Butanone	**120**	500000	*120*		12 U J	12 U	12 U	12 U	12 U
2-Hexanone	--	--	--		12 U	12 U	12 U	12 U	12 U
4-Ethyltoluene	--	--	--		NA	NA	NA	NA	NA
4-Methyl-2-pentanone	--	--	--		12 U	12 U	12 U	12 U	12 U
Acetone	**50**	500000	*50*		21	27	12 J	19	17
Acrylonitrile	--	--	--		NA	NA	NA	NA	NA
Benzene	**60**	44000	*60*		12 U	12 U	12 U	12 U	12 U
Bromobenzene	--	--	--		NA	NA	NA	NA	NA
Bromochloromethane	--	--	--		NA	NA	NA	NA	NA

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:**	DW-12	DW-12	DW-12	DW-12	DW-12
				Sampler:	ERM	ERM	ERM	ERM	ERM
				Sample Date:	3/2/2006	3/3/2006	3/3/2006	3/3/2006	3/3/2006
				Sample Depth (ft):	65-70	70-75	75-80	80-85	85-90
Bromodichloromethane	--	--	--		12 U	12 U	12 U	12 U	12 U
Bromoform	--	--	--		12 U	12 U	12 U	12 U	12 U
Bromomethane	--	--	--		12 U	12 U J	12 U J	12 U J	12 U J
Carbon disulfide	--	--	--		12 U	12 U	12 U	12 U	12 U
Carbon tetrachloride	**760**	22000	*760*		12 U	12 U	12 U	12 U	12 U
Chlorobenzene	**1100**	500000	*1100*		12 U	12 U	12 U	12 U	12 U
Chloroethane	--	--	--		12 U	12 U	12 U	12 U	12 U
Chloroform	**370**	350000	*370*		12 U	2 J	2 J	2 J	2 J
Chloromethane	--	--	--		12 U	12 U	12 U	12 U	12 U
cis-1,2-Dichloroethene	**250**	500000	*250*		12 U	12 U	12 U	12 U	12 U
cis-1,3-Dichloropropene	--	--	--		12 U	12 U	12 U	12 U	12 U
Cyclohexane	--	--	--		12 U	12 U	12 U	12 U	12 U
Dibromochloromethane	--	--	--		12 U	12 U	12 U	12 U	12 U
Dibromochloropropane	--	--	--		12 U	12 U	12 U	12 U	12 U
Dibromomethane	--	--	--		NA	NA	NA	NA	NA
Dichlorodifluoromethane	--	--	--		12 U	12 U	12 U	12 U	12 U
Ethyl ether	--	--	--		NA	NA	NA	NA	NA
Ethylbenzene	**1000**	390000	*1000*		12 U	12 U	12 U	12 U	12 U
Freon 113	--	--	--		12 U	12 U	12 U	12 U	12 U
Hexachlorobutadiene	--	--	--		NA	NA	NA	NA	NA
Isopropylbenzene	--	--	--		12 U	12 U	12 U	12 U	12 U
Methyl acetate	--	--	--		12 U	12 U	12 U	12 U	12 U
Methyl tert butyl ether (MTB	**930**	500000	*930*		12 U	12 U	12 U	12 U	12 U
Methylcyclohexane	--	--	--		12 U	12 U	12 U	12 U	12 U
Methylene chloride	**50**	500000	*50*		12 U	5 J	8 J	6 J	7 J
Naphthalene	--	--	--		NA	NA	NA	NA	NA
n-Butylbenzene	**12000**	500000	*12000*		NA	NA	NA	NA	NA
n-Propylbenzene	**3900**	500000	*3900*		NA	NA	NA	NA	NA
o-Chlorotoluene	--	--	--		NA	NA	NA	NA	NA
o-Xylene	--	--	--		NA	NA	NA	NA	NA
p/m-Xylene	--	--	--		NA	NA	NA	NA	NA

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	DW-12 ERM 3/2/2006 65-70	DW-12 ERM 3/3/2006 70-75	DW-12 ERM 3/3/2006 75-80	DW-12 ERM 3/3/2006 80-85	DW-12 ERM 3/3/2006 85-90
p-Chlorotoluene	--	--	--		NA	NA	NA	NA	NA
p-Isopropyltoluene	--	--	--		NA	NA	NA	NA	NA
sec-Butylbenzene	**11000**	500000	*11000*		NA	NA	NA	NA	NA
Styrene	--	--	--		12 U	12 U	12 U	12 U	12 U
tert-Butylbenzene	**5900**	500000	*5900*		NA	NA	NA	NA	NA
Tetrachloroethene	**1300**	150000	*1300*		12 U	12 U	12 U	12 U	12 U
Toluene	**700**	500000	*700*		12 U	12 U	12 U	12 U	12 U
trans-1,2-Dichloroethene	**190**	500000	*190*		12 U	12 U	12 U	12 U	12 U
trans-1,3-Dichloropropene	--	--	--		12 U	12 U	12 U	12 U	12 U
trans-1,4-Dichloro-2-butene	--	--	--		NA	NA	NA	NA	NA
Trichloroethene	**470**	200000	*470*		12 U	12 U	12 U	12 U	12 U
Trichlorofluoromethane	--	--	--		12 U	12 U	12 U	12 U	12 U
Vinyl acetate	--	--	--		NA	NA	NA	NA	NA
Vinyl chloride	**20**	13000	*20*		12 U	12 U	12 U	12 U	12 U
Xylenes (total)	**260**	500000	*1600*		12 U	12 U	12 U	12 U	12 U
Sum of Constituents					83	91	72	86	88

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µg/kg - Micrograms per kilogram
J - Estimated Value
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No NYSDEC 6 NCRR Part 375 Standard Available
Bold data indicates that parameter was detected above the NYSDEC Unrestricted Use Standards
Shaded data indicates that parameter was detected above the NYSDEC Restricted Commercial Standards
Italicized data indicates that parameter was detected above the NYSDEC Protection of Groundwater Standards
NA - Compound was not analyzed by laboratory
R indicates analyses rejected by Data Usability Summary Report

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	DW-06A ERM 3/6/2006 12-16	DW-07A ERM 3/6/2006 13-17	DW-08A ERM 3/6/2006 14-18	DW-09A ERM 3/6/2006 10.5-14.5	DW-10A ERM 3/6/2006 10-15
1,1,1,2-Tetrachloroethane	--	--	--		NA	NA	NA	NA	NA
1,1,1-Trichloroethane	**680**	500000	*680*		170	41	57	410	510
1,1,2,2-Tetrachloroethane	--	--	--		13 U	13 U	12 U	11 U	13 U
1,1,2-Trichloroethane	--	--	--		13 U	13 U	12 U	11 U	13 U
1,1-Dichloroethane	**270**	24000	*270*		2 J	13 U	12 U	2 J	5 J
1,1-Dichloroethene	**330**	500000	*330*		5 J	1 J	2 J	13	15
1,1-Dichloropropene	--	--	--		NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	--	--	--		NA	NA	NA	NA	NA
1,2,3-Trichloropropane	--	--	--		NA	NA	NA	NA	NA
1,2,4,5-Tetramethylbenzene	--	--	--		NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	--	--	--		13 U J	13 U J	12 U J	11 U	13 U
1,2,4-Trimethylbenzene	**3600**	190000	*3600*		NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropan	--	--	--		NA	NA	NA	NA	NA
1,2-Dibromoethane	--	--	--		13 U	13 U	12 U	11 U	13 U
1,2-Dichlorobenzene	**1100**	500000	*1100*		13 U	13 U	12 U	11 U	13 U
1,2-Dichloroethane	**20**	30000	*20*		13 U	13 U	12 U	11 U	13 U
1,2-Dichloropropane	--	--	--		13 U	13 U	12 U	11 U	13 U
1,3,5-Trimethylbenzene	**8400**	190000	*8400*		NA	NA	NA	NA	NA
1,3-Dichlorobenzene	**2400**	280000	*2400*		13 U	13 U	12 U	11 U	13 U
1,4-Dichlorobenzene	**1800**	130000	*1800*		13 U	13 U	12 U	11 U	13 U
1,4-Diethylbenzene	--	--	--		NA	NA	NA	NA	NA
2,2-Dichloropropane	--	--	--		NA	NA	NA	NA	NA
2-Butanone	**120**	500000	*120*		13 U	13 U	12 U	11 U	13 U
2-Hexanone	--	--	--		13 U	13 U	12 U	11 U	13 U
4-Ethyltoluene	--	--	--		NA	NA	NA	NA	NA
4-Methyl-2-pentanone	--	--	--		13 U	13 U	12 U	11 U	13 U
Acetone	**50**	500000	*50*		***58***	30	12 U	14	9 J
Acrylonitrile	--	--	--		NA	NA	NA	NA	NA
Benzene	**60**	44000	*60*		13 U	13 U	12 U	11 U	13 U
Bromobenzene	--	--	--		NA	NA	NA	NA	NA
Bromochloromethane	--	--	--		NA	NA	NA	NA	NA

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	DW-06A ERM 3/6/2006 12-16	DW-07A ERM 3/6/2006 13-17	DW-08A ERM 3/6/2006 14-18	DW-09A ERM 3/6/2006 10.5-14.5	DW-10A ERM 3/6/2006 10-15
Bromodichloromethane	--	--	--		13 U	13 U	12 U	11 U	13 U
Bromoform	--	--	--		13 U	13 U	12 U	11 U	13 U
Bromomethane	--	--	--		13 U J	13 U J	12 U J	11 U	13 U
Carbon disulfide	--	--	--		13 U	13 U	12 U	3 J	4 J
Carbon tetrachloride	**760**	22000	*760*		13 U	13 U	12 U	11 U	13 U
Chlorobenzene	**1100**	500000	*1100*		13 U	13 U	12 U	11 U	13 U
Chloroethane	--	--	--		13 U	13 U	12 U	11 U	13 U
Chloroform	**370**	350000	*370*		13 U	13 U	1 J	11 U	13 U
Chloromethane	--	--	--		13 U	13 U	12 U	11 U	13 U
cis-1,2-Dichloroethene	**250**	500000	*250*		13 U	13 U	12 U	11 U	13 U
cis-1,3-Dichloropropene	--	--	--		13 U	13 U	12 U	11 U	13 U
Cyclohexane	--	--	--		13 U	13 U	12 U	11 U	13 U
Dibromochloromethane	--	--	--		13 U	13 U	12 U	11 U	13 U
Dibromochloropropane	--	--	--		13 U	13 U	12 U	11 U	13 U
Dibromomethane	--	--	--		NA	NA	NA	NA	NA
Dichlorodifluoromethane	--	--	--		13 U	13 U	12 U	11 U	13 U
Ethyl ether	--	--	--		NA	NA	NA	NA	NA
Ethylbenzene	**1000**	390000	*1000*		13 U	13 U	12 U	11 U	13 U
Freon 113	--	--	--		13 U	13 U	12 U	11 U	13 U
Hexachlorobutadiene	--	--	--		NA	NA	NA	NA	NA
Isopropylbenzene	--	--	--		13 U	13 U	12 U	11 U	13 U
Methyl acetate	--	--	--		13 U	13 U	12 U	11 U	13 U
Methyl tert butyl ether (MTB	**930**	500000	*930*		13 U	13 U	12 U	11 U	13 U
Methylcyclohexane	--	--	--		13 U	13 U	12 U	11 U	13 U
Methylene chloride	**50**	500000	*50*		3 J	3 J	12 U J	11 U	13 U
Naphthalene	--	--	--		NA	NA	NA	NA	NA
n-Butylbenzene	**12000**	500000	*12000*		NA	NA	NA	NA	NA
n-Propylbenzene	**3900**	500000	*3900*		NA	NA	NA	NA	NA
o-Chlorotoluene	--	--	--		NA	NA	NA	NA	NA
o-Xylene	--	--	--		NA	NA	NA	NA	NA
p/m-Xylene	--	--	--		NA	NA	NA	NA	NA

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** **Sampler:** **Sample Date:** **Sample Depth (ft):**	DW-06A ERM 3/6/2006 12-16	DW-07A ERM 3/6/2006 13-17	DW-08A ERM 3/6/2006 14-18	DW-09A ERM 3/6/2006 10.5-14.5	DW-10A ERM 3/6/2006 10-15
p-Chlorotoluene	--	--	--		NA	NA	NA	NA	NA
p-Isopropyltoluene	--	--	--		NA	NA	NA	NA	NA
sec-Butylbenzene	**11000**	500000	*11000*		NA	NA	NA	NA	NA
Styrene	--	--	--		13 U	13 U	12 U	11 U	13 U
tert-Butylbenzene	**5900**	500000	*5900*		NA	NA	NA	NA	NA
Tetrachloroethene	**1300**	150000	*1300*		1 J	13 U	12 U	11 U	13 U
Toluene	**700**	500000	*700*		13 U	13 U	12 U	6 J	14 J
trans-1,2-Dichloroethene	**190**	500000	*190*		13 U	13 U	12 U	11 U	13 U
trans-1,3-Dichloropropene	--	--	--		13 U	13 U	12 U	11 U	13 U
trans-1,4-Dichloro-2-butene	--	--	--		NA	NA	NA	NA	NA
Trichloroethene	**470**	200000	*470*		13 U	13 U	12 U	11 U	13 U
Trichlorofluoromethane	--	--	--		13 U	13 U	1 J	11 U	13 U
Vinyl acetate	--	--	--		NA	NA	NA	NA	NA
Vinyl chloride	**20**	13000	*20*		13 U	13 U	12 U	11 U	13 U
Xylenes (total)	**260**	500000	*1600*		13 U	13 U	12 U	11 U	13 U
Sum of Constituents					239	75	61	448	557

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DUP - Duplicate
- - No NYSDEC 6 NCRR Part 375 Standard Available
Bold data indicates that parameter was detected above the NYSDEC Unrestricted Use Standards
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Italicized data indicates that parameter was detected above the NYSDEC Protection of Groundwater Standards
NA - Compound was not analyzed by laboratory
R indicates analyses rejected by Data Usability Summary Report

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** **Sampler:** **Sample Date:** **Sample Depth (ft):**	DW-11A ERM 3/1/2006 19-20	DW-12A ERM 3/1/2006 17-18	DW-21A ERM 4/14/2006 8-9
1,1,1,2-Tetrachloroethane	--	--	--		NA	NA	NA
1,1,1-Trichloroethane	**680**	500000	*680*		***89000000***	***940 J***	190 J
1,1,2,2-Tetrachloroethane	--	--	--		R	78 U J	32 U J
1,1,2-Trichloroethane	--	--	--		R	78 U J	32 U J
1,1-Dichloroethane	**270**	24000	*270*		R	78 U J	***420 J***
1,1-Dichloroethene	**330**	500000	*330*		***87000 J***	17 J	36 J
1,1-Dichloropropene	--	--	--		NA	NA	NA
1,2,3-Trichlorobenzene	--	--	--		NA	NA	NA
1,2,3-Trichloropropane	--	--	--		NA	NA	NA
1,2,4,5-Tetramethylbenzene	--	--	--		NA	NA	NA
1,2,4-Trichlorobenzene	--	--	--		R	78 U J	32 U J
1,2,4-Trimethylbenzene	**3600**	190000	*3600*		NA	NA	NA
1,2-Dibromo-3-chloropropan	--	--	--		NA	NA	NA
1,2-Dibromoethane	--	--	--		R	78 U J	32 U J
1,2-Dichlorobenzene	**1100**	500000	*1100*		R	78 U J	32 U J
1,2-Dichloroethane	**20**	30000	*20*		R	78 U J	32 U
1,2-Dichloropropane	--	--	--		R	78 U J	32 U
1,3,5-Trimethylbenzene	**8400**	190000	*8400*		NA	NA	NA
1,3-Dichlorobenzene	**2400**	280000	*2400*		R	78 U J	32 U J
1,4-Dichlorobenzene	**1800**	130000	*1800*		R	78 U J	32 U J
1,4-Diethylbenzene	--	--	--		NA	NA	NA
2,2-Dichloropropane	--	--	--		NA	NA	NA
2-Butanone	**120**	500000	*120*		R	78 U J	***240 J***
2-Hexanone	--	--	--		R	78 U J	32 U J
4-Ethyltoluene	--	--	--		NA	NA	NA
4-Methyl-2-pentanone	--	--	--		R	78 U J	32 U J
Acetone	**50**	500000	*50*		R	16 J	***420 J***
Acrylonitrile	--	--	--		NA	NA	NA
Benzene	**60**	44000	*60*		R	78 U J	32 J
Bromobenzene	--	--	--		NA	NA	NA
Bromochloromethane	--	--	--		NA	NA	NA

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** **Sampler:** **Sample Date:** **Sample Depth (ft):**	DW-11A ERM 3/1/2006 19-20	DW-12A ERM 3/1/2006 17-18	DW-21A ERM 4/14/2006 8-9
Bromodichloromethane	--	--	--		R	78 U J	32 U
Bromoform	--	--	--		R	78 U J	32 U J
Bromomethane	--	--	--		R	78 U J	32 U
Carbon disulfide	--	--	--		R	78 U J	13 J
Carbon tetrachloride	**760**	22000	*760*		R	78 U J	32 U
Chlorobenzene	**1100**	500000	*1100*		R	78 U J	32 U J
Chloroethane	--	--	--		49000 J	78 U J	1800 J
Chloroform	**370**	350000	*370*		***1500 J***	78 U J	32 U
Chloromethane	--	--	--		R	78 U J	32 U
cis-1,2-Dichloroethene	**250**	500000	*250*		R	78 U J	32 U
cis-1,3-Dichloropropene	--	--	--		R	78 U J	32 U
Cyclohexane	--	--	--		R	78 U J	32 U
Dibromochloromethane	--	--	--		R	78 U J	32 U J
Dibromochloropropane	--	--	--		R	78 U J	R
Dibromomethane	--	--	--		NA	NA	NA
Dichlorodifluoromethane	--	--	--		R	78 U J	32 U
Ethyl ether	--	--	--		NA	NA	NA
Ethylbenzene	**1000**	390000	*1000*		150 J	78 U J	**5400**
Freon 113	--	--	--		R	78 U J	32 U
Hexachlorobutadiene	--	--	--		NA	NA	NA
Isopropylbenzene	--	--	--		23 J	78 U J	32 U J
Methyl acetate	--	--	--		R	78 U J	32 U
Methyl tert butyl ether (MTB	**930**	500000	*930*		R	78 U J	32 U
Methylcyclohexane	--	--	--		R	78 U J	2100 J
Methylene chloride	**50**	500000	*50*		R	78 U J	32 U
Naphthalene	--	--	--		NA	NA	NA
n-Butylbenzene	**12000**	500000	*12000*		NA	NA	NA
n-Propylbenzene	**3900**	500000	*3900*		NA	NA	NA
o-Chlorotoluene	--	--	--		NA	NA	NA
o-Xylene	--	--	--		NA	NA	NA
p/m-Xylene	--	--	--		NA	NA	NA

Table 2. Summary of Volatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** **Sampler:** **Sample Date:** **Sample Depth (ft):**	DW-11A ERM 3/1/2006 19-20	DW-12A ERM 3/1/2006 17-18	DW-21A ERM 4/14/2006 8-9
p-Chlorotoluene	--	--	--		NA	NA	NA
p-Isopropyltoluene	--	--	--		NA	NA	NA
sec-Butylbenzene	**11000**	500000	*11000*		NA	NA	NA
Styrene	--	--	--		R	78 U J	32 U J
tert-Butylbenzene	**5900**	500000	*5900*		NA	NA	NA
Tetrachloroethene	**1300**	150000	*1300*		1300 J	78 U J	60 J
Toluene	**700**	500000	*700*		***740000 J***	78 U J	***4900***
trans-1,2-Dichloroethene	**190**	500000	*190*		R	78 U J	32 U
trans-1,3-Dichloropropene	--	--	--		R	78 U J	32 U J
trans-1,4-Dichloro-2-butene	--	--	--		NA	NA	NA
Trichloroethene	**470**	200000	*470*		***2000 J***	78 U J	32 U
Trichlorofluoromethane	--	--	--		R	78 U J	32 U
Vinyl acetate	--	--	--		NA	NA	NA
Vinyl chloride	**20**	13000	*20*		R	78 U J	32 U
Xylenes (total)	**260**	500000	*1600*		**740 J**	78 U J	***60000***
Sum of Constituents					89881713	973	75611

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Italicized data indicates that parameter was detected above the NYSDEC Protection of Groundwater Standards
NA - Compound was not analyzed by laboratory
R indicates analyses rejected by Data Usability Summary Report

Table 3. Summary of Semivolatile Organic Compounds in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/kg)	NYCRR 375-6.8 (a) Unrestricted Use (µg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (µg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (µg/kg)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	B111-S7-072111 RANSOM 7/21/2011 30'-35'	B113-S6-072111 RANSOM 7/21/2011 25'-30'	B112-S6-072111 RANSOM 7/21/2011 25'-30'
Acenaphthene	**20000**	500000	*98000*		7.5 U	7.7 U	6.8 U
Anthracene	**100000**	500000	*107000*		16	7.7 U	6.8 U
Benzo(a)anthracene	**1000**	5600	*1000*		27	7.7 U	6.8 U
Benzo(a)pyrene	**1000**	1000	*22000*		55	7.7 U	6.8 U
Benzo(b)fluoranthene	**1000**	5600	*1700*		42	7.7 U	6.8 U
Benzo(ghi)perylene	**100000**	500000	*1000000*		72	7.7 U	6.8 U
Benzo(k)fluoranthene	**800**	56000	*17000*		27	7.7 U	6.8 U
Chrysene	**1000**	56000	*1000*		31	7.7 U	6.8 U
Dibenzo(a,h)anthracene	**330**	560	*1000000*		4.1 J	7.7 U	6.8 U
Fluoranthene	**100000**	500000	*1000000*		130	7.7 U	6.8 U
Fluorene	**30000**	500000	*386000*		6 J	7.7 U	6.8 U
Indeno(1,2,3-cd)Pyrene	**500**	5600	*8200*		47	7.7 U	6.8 U
Naphthalene	**12000**	500000	*12000*		20	7.7 U	6.8 U
Phenanthrene	**100000**	500000	*1000000*		120	7.7 U	6.8 U
Pyrene	**100000**	100000	*1000000*		150	7.7 U	6.8 U

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Table 4. Summary of Metals in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in mg/kg)	NYCRR 375-6.8 (a) Unrestricted Use (mg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (mg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (mg/kg)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	DW-11 ROUX 04/02/13 19-21.5	B112-S3-072111 RANSOM 07/21/11 10'-15'	B113-S3-072111 RANSOM 07/21/11 10'-15'	B111-S3-072111 RANSOM 7/21/2011 10'-15'
Aluminum	--	--	--		1430	NA	NA	NA
Antimony	--	--	--		2.3 U	3.6 U	3.7 U	4.0 U
Arsenic	**13**	16	*16*		1.2 U	0.68 J	0.68 J	0.6 J
Barium	**350**	400	*820*		16.5 J	NA	NA	NA
Beryllium	**7.2**	590	*47*		0.46 U	0.05 J	0.04 J	0.06 J
Cadmium	**2.5**	9.3	*7.5*		1.2 U	0.73 U	0.73 U	0.81 U
Calcium	**--**	--	--		716 J	NA	NA	NA
Chromium	**30**	1500	*19*		4.5	3	2.6	4
Cobalt	**--**	--	--		1.5 J	NA	NA	NA
Copper	**50**	270	*1720*		**52.4**	1.9	3.3	1.6
Iron	**--**	--	--		5760	NA	NA	NA
Lead	**63**	1000	*450*		34.6	0.89 J	0.95 J	1.1 J
Magnesium	**--**	--	--		364 J	NA	NA	NA
Manganese	**1600**	10000	*2000*		34.3	NA	NA	NA
Mercury	**0.18**	2.8	*0.73*		0.027	0.09 U	***3.7***	0.08 U
Nickel	**30**	310	*130*		3.3 J	1.3 J	1 J	1 J
Potassium	**--**	--	--		171 J	NA	NA	NA
Selenium	**3.9**	1500	*4*		2.3 U	1.5 U	1.5 U	1.6 U
Silver	**2**	1500	*8.3*		2.3 U	0.73 U	0.73 U	0.81 U
Sodium	**--**	--	--		1150 U	NA	NA	NA
Thallium	--	--	--		2.3 U	1.5 U	1.5 U	1.6 U
Vanadium	**--**	--	--		9.6 J	NA	NA	NA
Zinc	**109**	10000	*2480*		46.1	3.9	3.6 J	2.8 J

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Aluminum	--	--	--		NA	NA
Antimony	--	--	--		NA	NA
Arsenic	**13**	16	*16*		NA	NA
Barium	**350**	400	*820*		NA	NA
Beryllium	**7.2**	590	*47*		NA	NA
Cadmium	**2.5**	9.3	*7.5*		<1.6	<1.2
Calcium	**--**	--	--		NA	NA
Chromium	**30**	1500	*19*		<1.6	<1.2
Cobalt	**--**	--	--		NA	NA
Copper	**50**	270	*1720*		**182**	18.1
Iron	**--**	--	--		NA	NA
Lead	**63**	1000	*450*		**86**	<1.2
Magnesium	**--**	--	--		NA	NA
Manganese	**1600**	10000	*2000*		NA	NA
Mercury	**0.18**	2.8	*0.73*		NA	NA
Nickel	**30**	310	*130*		<8	<6
Potassium	**--**	--	--		NA	NA
Selenium	**3.9**	1500	*4*		NA	NA
Silver	**2**	1500	*8.3*		**4.2**	<1.2
Sodium	**--**	--	--		NA	NA
Thallium	--	--	--		NA	NA
Vanadium	**--**	--	--		NA	NA
Zinc	**109**	10000	*2480*		NA	NA

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Table 4. Summary of Metals in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in mg/kg)	NYCRR 375-6.8 (a) Unrestricted Use (mg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (mg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (mg/kg)	**Sample Designation:** **Sampler:** **Sample Date:** **Sample Depth (ft):**	3GC11-22 SUFFOLK COUNTY 11/22/1985	4GC11-22 SUFFOLK COUNTY 11/22/1985
Aluminum	--	--	--		NA	NA
Antimony	--	--	--		NA	NA
Arsenic	**13**	16	*16*		NA	NA
Barium	**350**	400	*820*		NA	NA
Beryllium	**7.2**	590	*47*		NA	NA
Cadmium	**2.5**	9.3	*7.5*		<1.3	<1.4
Calcium	**--**	--	--		NA	NA
Chromium	**30**	1500	*19*		<1.3	<1.4
Cobalt	**--**	--	--		NA	NA
Copper	**50**	270	*1720*		29	**543**
Iron	**--**	--	--		NA	NA
Lead	**63**	1000	*450*		23.2	**65.2**
Magnesium	**--**	--	--		NA	NA
Manganese	**1600**	10000	*2000*		NA	NA
Mercury	**0.18**	2.8	*0.73*		NA	NA
Nickel	**30**	310	*130*		<6.5	7.2
Potassium	**--**	--	--		NA	NA
Selenium	**3.9**	1500	*4*		NA	NA
Silver	**2**	1500	*8.3*		<1.3	<1.4
Sodium	**--**	--	--		NA	NA
Thallium	--	--	--		NA	NA
Vanadium	**--**	--	--		NA	NA
Zinc	**109**	10000	*2480*		NA	NA

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Parameter (Concentrations in mg/kg)	NYCRR 375-6.8 (a) Unrestricted Use (mg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (mg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (mg/kg)	**Sample Designation:** **Sampler:** **Sample Date:** **Sample Depth (ft):**	5GC11-22 SUFFOLK COUNTY 11/22/1985	6GC12-2 SUFFOLK COUNTY 12/2/1985
Aluminum	--	--	--		NA	NA
Antimony	--	--	--		NA	NA
Arsenic	**13**	16	*16*		NA	NA
Barium	**350**	400	*820*		NA	NA
Beryllium	**7.2**	590	*47*		NA	NA
Cadmium	**2.5**	9.3	*7.5*		<0.8	<0.7
Calcium	**--**	--	--		NA	NA
Chromium	**30**	1500	*19*		1.7	<0.7
Cobalt	**--**	--	--		NA	NA
Copper	**50**	270	*1720*		**160**	11.6
Iron	**--**	--	--		NA	NA
Lead	**63**	1000	*450*		38.6	<5
Magnesium	**--**	--	--		NA	NA
Manganese	**1600**	10000	*2000*		NA	NA
Mercury	**0.18**	2.8	*0.73*		NA	NA
Nickel	**30**	310	*130*		<4.3	<3.8
Potassium	**--**	--	--		NA	NA
Selenium	**3.9**	1500	*4*		NA	NA
Silver	**2**	1500	*8.3*		**3**	**3.8**
Sodium	**--**	--	--		NA	NA
Thallium	--	--	--		NA	NA
Vanadium	**--**	--	--		NA	NA
Zinc	**109**	10000	*2480*		NA	NA

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Parameter (Concentrations in mg/kg)	NYCRR 375-6.8 (a) Unrestricted Use (mg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (mg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (mg/kg)	**Sample Designation:** **Sampler:** **Sample Date:** **Sample Depth (ft):**	7GC11-22 SUFFOLK COUNTY 12/2/1985	8GC11-25 SUFFOLK COUNTY 11/25/1985
Aluminum	--	--	--		NA	NA
Antimony	--	--	--		NA	NA
Arsenic	**13**	16	*16*		NA	NA
Barium	**350**	400	*820*		NA	NA
Beryllium	**7.2**	590	*47*		NA	NA
Cadmium	**2.5**	9.3	*7.5*		<1.3	<1.6
Calcium	**--**	--	--		NA	NA
Chromium	**30**	1500	*19*		<1.3	3.2
Cobalt	**--**	--	--		NA	NA
Copper	**50**	270	*1720*		34.2	38.7
Iron	**--**	--	--		NA	NA
Lead	**63**	1000	*450*		<12.9	13.7
Magnesium	**--**	--	--		NA	NA
Manganese	**1600**	10000	*2000*		NA	NA
Mercury	**0.18**	2.8	*0.73*		NA	NA
Nickel	**30**	310	*130*		<6.4	<8
Potassium	**--**	--	--		NA	NA
Selenium	**3.9**	1500	*4*		NA	NA
Silver	**2**	1500	*8.3*		**3.8**	**8**
Sodium	**--**	--	--		NA	NA
Thallium	--	--	--		NA	NA
Vanadium	**--**	--	--		NA	NA
Zinc	**109**	10000	*2480*		NA	NA

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Parameter (Concentrations in mg/kg)	NYCRR 375-6.8 (a) Unrestricted Use (mg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (mg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (mg/kg)	**Sample Designation:** **Sampler:** **Sample Date:** **Sample Depth (ft):**	9GC11-25 SUFFOLK COUNTY 11/25/1985	10GC11-26 SUFFOLK COUNTY 11/26/1985
Aluminum	--	--	--		NA	NA
Antimony	--	--	--		NA	NA
Arsenic	**13**	16	*16*		NA	NA
Barium	**350**	400	*820*		NA	NA
Beryllium	**7.2**	590	*47*		NA	NA
Cadmium	**2.5**	9.3	*7.5*		<1.7	<0.8
Calcium	**--**	--	--		NA	NA
Chromium	**30**	1500	*19*		<1.7	<0.8
Cobalt	**--**	--	--		NA	NA
Copper	**50**	270	*1720*		**73.6**	19.5
Iron	**--**	--	--		NA	NA
Lead	**63**	1000	*450*		57.8	13
Magnesium	**--**	--	--		NA	NA
Manganese	**1600**	10000	*2000*		NA	NA
Mercury	**0.18**	2.8	*0.73*		NA	NA
Nickel	**30**	310	*130*		<8.7	<4
Potassium	**--**	--	--		NA	NA
Selenium	**3.9**	1500	*4*		NA	NA
Silver	**2**	1500	*8.3*		<1.7	<0.8
Sodium	**--**	--	--		NA	NA
Thallium	--	--	--		NA	NA
Vanadium	**--**	--	--		NA	NA
Zinc	**109**	10000	*2480*		NA	NA

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Parameter (Concentrations in mg/kg)	NYCRR 375-6.8 (a) Unrestricted Use (mg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (mg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (mg/kg)	**Sample Designation:** **Sampler:** **Sample Date:** **Sample Depth (ft):**	11GC11-25 SUFFOLK COUNTY 11/25/1985	12GC12-6 SUFFOLK COUNTY 12/6/1985
Aluminum	--	--	--		NA	NA
Antimony	--	--	--		NA	NA
Arsenic	**13**	16	*16*		NA	NA
Barium	**350**	400	*820*		NA	NA
Beryllium	**7.2**	590	*47*		NA	NA
Cadmium	**2.5**	9.3	*7.5*		<1.1	<1
Calcium	**--**	--	--		NA	NA
Chromium	**30**	1500	*19*		2.2	<1
Cobalt	**--**	--	--		NA	NA
Copper	**50**	270	*1720*		**158.8**	23.4
Iron	**--**	--	--		NA	NA
Lead	**63**	1000	*450*		<11	10.4
Magnesium	**--**	--	--		NA	NA
Manganese	**1600**	10000	*2000*		NA	NA
Mercury	**0.18**	2.8	*0.73*		NA	NA
Nickel	**30**	310	*130*		5.5	<5
Potassium	**--**	--	--		NA	NA
Selenium	**3.9**	1500	*4*		NA	NA
Silver	**2**	1500	*8.3*		**3.3**	<1
Sodium	**--**	--	--		NA	NA
Thallium	--	--	--		NA	NA
Vanadium	**--**	--	--		NA	NA
Zinc	**109**	10000	*2480*		NA	NA

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Aluminum	--	--	--		NA	NA
Antimony	--	--	--		NA	NA
Arsenic	**13**	16	*16*		NA	NA
Barium	**350**	400	*820*		NA	NA
Beryllium	**7.2**	590	*47*		NA	NA
Cadmium	**2.5**	9.3	*7.5*		<1.4	<1.4
Calcium	**--**	--	--		NA	NA
Chromium	**30**	1500	*19*		<1.4	<1.4
Cobalt	**--**	--	--		NA	NA
Copper	**50**	270	*1720*		<1.4	**192**
Iron	**--**	--	--		NA	NA
Lead	**63**	1000	*450*		<14.2	NM
Magnesium	**--**	--	--		NA	NA
Manganese	**1600**	10000	*2000*		NA	NA
Mercury	**0.18**	2.8	*0.73*		NA	NA
Nickel	**30**	310	*130*		<7	<7.4
Potassium	**--**	--	--		NA	NA
Selenium	**3.9**	1500	*4*		NA	NA
Silver	**2**	1500	*8.3*		<1.4	<1.4
Sodium	**--**	--	--		NA	NA
Thallium	--	--	--		NA	NA
Vanadium	**--**	--	--		NA	NA
Zinc	**109**	10000	*2480*		NA	NA

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Aluminum	--	--	--		NA	NA
Antimony	--	--	--		NA	NA
Arsenic	**13**	16	*16*		NA	NA
Barium	**350**	400	*820*		NA	NA
Beryllium	**7.2**	590	*47*		NA	NA
Cadmium	**2.5**	9.3	*7.5*		<1.2	<1.3
Calcium	**--**	--	--		NA	NA
Chromium	**30**	1500	*19*		<1.2	<1.3
Cobalt	**--**	--	--		NA	NA
Copper	**50**	270	*1720*		**102**	**52.2**
Iron	**--**	--	--		NA	NA
Lead	**63**	1000	*450*		**67.3**	45.9
Magnesium	**--**	--	--		NA	NA
Manganese	**1600**	10000	*2000*		NA	NA
Mercury	**0.18**	2.8	*0.73*		NA	NA
Nickel	**30**	310	*130*		<6.4	<6.2
Potassium	**--**	--	--		NA	NA
Selenium	**3.9**	1500	*4*		NA	NA
Silver	**2**	1500	*8.3*		**5.1**	***20.1***
Sodium	**--**	--	--		NA	NA
Thallium	--	--	--		NA	NA
Vanadium	**--**	--	--		NA	NA
Zinc	**109**	10000	*2480*		NA	NA

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Aluminum	--	--	--		NA	NA
Antimony	--	--	--		NA	NA
Arsenic	**13**	16	*16*		NA	NA
Barium	**350**	400	*820*		NA	NA
Beryllium	**7.2**	590	*47*		NA	NA
Cadmium	**2.5**	9.3	*7.5*		<1.8	<0.9
Calcium	**--**	--	--		NA	NA
Chromium	**30**	1500	*19*		<1.8	2.7
Cobalt	**--**	--	--		NA	NA
Copper	**50**	270	*1720*		11.9	17.5
Iron	**--**	--	--		NA	NA
Lead	**63**	1000	*450*		<18	22.2
Magnesium	**--**	--	--		NA	NA
Manganese	**1600**	10000	*2000*		NA	NA
Mercury	**0.18**	2.8	*0.73*		NA	NA
Nickel	**30**	310	*130*		<9	<4.6
Potassium	**--**	--	--		NA	NA
Selenium	**3.9**	1500	*4*		NA	NA
Silver	**2**	1500	*8.3*		<1.8	**3.2**
Sodium	**--**	--	--		NA	NA
Thallium	--	--	--		NA	NA
Vanadium	**--**	--	--		NA	NA
Zinc	**109**	10000	*2480*		NA	NA

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Table 4. Summary of Metals in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in mg/kg)	NYCRR 375-6.8 (a) Unrestricted Use (mg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (mg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (mg/kg)	**Sample Designation:** **Sampler:** **Sample Date:** **Sample Depth (ft):**	19GC12-2 SUFFOLK COUNTY 12/2/1985	20GC12-6 SUFFOLK COUNTY 12/6/1985
Aluminum	--	--	--		NA	NA
Antimony	--	--	--		NA	NA
Arsenic	**13**	16	*16*		NA	NA
Barium	**350**	400	*820*		NA	NA
Beryllium	**7.2**	590	*47*		NA	NA
Cadmium	**2.5**	9.3	*7.5*		<0.95	<0.95
Calcium	**--**	--	--		NA	NA
Chromium	**30**	1500	*19*		<0.95	<0.95
Cobalt	**--**	--	--		NA	NA
Copper	**50**	270	*1720*		21.4	6.6
Iron	**--**	--	--		NA	NA
Lead	**63**	1000	*450*		20.4	<9.5
Magnesium	**--**	--	--		NA	NA
Manganese	**1600**	10000	*2000*		NA	NA
Mercury	**0.18**	2.8	*0.73*		NA	NA
Nickel	**30**	310	*130*		<4.7	<4.7
Potassium	**--**	--	--		NA	NA
Selenium	**3.9**	1500	*4*		NA	NA
Silver	**2**	1500	*8.3*		<0.95	<0.95
Sodium	**--**	--	--		NA	NA
Thallium	--	--	--		NA	NA
Vanadium	**--**	--	--		NA	NA
Zinc	**109**	10000	*2480*		NA	NA

NYSDEC - New York State Department of Environmental Conservation

6 NYCRR- Title 6 of the Official Compilation of New York Codes, Rules and Regulations

mg/kg - Milligrams per kilogram

J - Estimated Value

U - Compound was analyzed for but not detected

DUP - Duplicate

- - No NYSDEC 6 NCRR Part 375 Standard Available

Bold data indicates that parameter was detected above the NYSDEC Unrestricted Use Standards

Shaded data indicates that parameter was detected above the NYSDEC Restricted Commercial Standards

Italicized data indicates that parameter was detected above the NYSDEC Protection of Groundwater Standards

NA - Compound was not analyzed by laboratory

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Table 4. Summary of Metals in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in mg/kg)	NYCRR 375-6.8 (a) Unrestricted Use (mg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (mg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (mg/kg)	**Sample Designation:** **Sampler:** **Sample Date:** **Sample Depth (ft):**	21GC12-4 SUFFOLK COUNTY 12/4/1985	22GC11-25 SUFFOLK COUNTY 11/25/1985
Aluminum	--	--	--		NA	NA
Antimony	--	--	--		NA	NA
Arsenic	**13**	16	*16*		NA	NA
Barium	**350**	400	*820*		NA	NA
Beryllium	**7.2**	590	*47*		NA	NA
Cadmium	**2.5**	9.3	*7.5*		<1.5	<1.5
Calcium	**--**	--	--		NA	NA
Chromium	**30**	1500	*19*		<1.5	<1.5
Cobalt	**--**	--	--		NA	NA
Copper	**50**	270	*1720*		27.1	20
Iron	**--**	--	--		NA	NA
Lead	**63**	1000	*450*		54.2	<15.4
Magnesium	**--**	--	--		NA	NA
Manganese	**1600**	10000	*2000*		NA	NA
Mercury	**0.18**	2.8	*0.73*		NA	NA
Nickel	**30**	310	*130*		<7.7	<7.7
Potassium	**--**	--	--		NA	NA
Selenium	**3.9**	1500	*4*		NA	NA
Silver	**2**	1500	*8.3*		<1.5	<1.5
Sodium	**--**	--	--		NA	NA
Thallium	--	--	--		NA	NA
Vanadium	**--**	--	--		NA	NA
Zinc	**109**	10000	*2480*		NA	NA

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Table 4. Summary of Metals in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in mg/kg)	NYCRR 375-6.8 (a) Unrestricted Use (mg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (mg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (mg/kg)	**Sample Designation:** **Sampler:** **Sample Date:** **Sample Depth (ft):**	23GC12-6 SUFFOLK COUNTY 12/6/1985	24GC11-26 SUFFOLK COUNTY 11/26/1985
Aluminum	--	--	--		NA	NA
Antimony	--	--	--		NA	NA
Arsenic	**13**	16	*16*		NA	NA
Barium	**350**	400	*820*		NA	NA
Beryllium	**7.2**	590	*47*		NA	NA
Cadmium	**2.5**	9.3	*7.5*		<1.5	<0.9
Calcium	**--**	--	--		NA	NA
Chromium	**30**	1500	*19*		<1.5	3.7
Cobalt	**--**	--	--		NA	NA
Copper	**50**	270	*1720*		<1.5	**69.7**
Iron	**--**	--	--		NA	NA
Lead	**63**	1000	*450*		<15	14.8
Magnesium	**--**	--	--		NA	NA
Manganese	**1600**	10000	*2000*		NA	NA
Mercury	**0.18**	2.8	*0.73*		NA	NA
Nickel	**30**	310	*130*		<7.5	<4.6
Potassium	**--**	--	--		NA	NA
Selenium	**3.9**	1500	*4*		NA	NA
Silver	**2**	1500	*8.3*		<1.5	<0.9
Sodium	**--**	--	--		NA	NA
Thallium	--	--	--		NA	NA
Vanadium	**--**	--	--		NA	NA
Zinc	**109**	10000	*2480*		NA	NA

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J - Estimated Value

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NA - Compound was not analyzed by laboratory

R indicates analyses rejected by Data Usability Summary Report

Table 4. Summary of Metals in Soil Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in mg/kg)	NYCRR 375-6.8 (a) Unrestricted Use (mg/kg)	NYCRR 375-6.8 (b) Restricted Commercial (mg/kg)	NYCRR 375-6.8 (b) Protection of Groundwater (mg/kg)	**Sample Designation:** **Sampler:** **Sample Date:** **Sample Depth (ft):**	25GC12-6 SUFFOLK COUNTY 12/6/1985	26GC11-26 SUFFOLK COUNTY 11/26/1985
Aluminum	--	--	--		NA	NA
Antimony	--	--	--		NA	NA
Arsenic	**13**	16	*16*		NA	NA
Barium	**350**	400	*820*		NA	NA
Beryllium	**7.2**	590	*47*		NA	NA
Cadmium	**2.5**	9.3	*7.5*		NM	<1.4
Calcium	**--**	--	--		NA	NA
Chromium	**30**	1500	*19*		<1.4	<1.4
Cobalt	**--**	--	--		NA	NA
Copper	**50**	270	*1720*		14.2	26.2
Iron	**--**	--	--		NA	NA
Lead	**63**	1000	*450*		<14	<12
Magnesium	**--**	--	--		NA	NA
Manganese	**1600**	10000	*2000*		NA	NA
Mercury	**0.18**	2.8	*0.73*		NA	NA
Nickel	**30**	310	*130*		<7	<7.1
Potassium	**--**	--	--		NA	NA
Selenium	**3.9**	1500	*4*		NA	NA
Silver	**2**	1500	*8.3*		<1.4	<1.4
Sodium	**--**	--	--		NA	NA
Thallium	--	--	--		NA	NA
Vanadium	**--**	--	--		NA	NA
Zinc	**109**	10000	*2480*		NA	NA

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mg/kg - Milligrams per kilogram

J - Estimated Value

U - Compound was analyzed for but not detected

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NA - Compound was not analyzed by laboratory

R indicates analyses rejected by Data Usability Summary Report

Table 5. Summary of Volatile Organic Compounds in Groundwater Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	TW101-W1-072111 RANSOM 7/21/2011 30.9	TW102-W1-072111 RANSOM 7/21/2011 29.2	TW103-W1-072111 RANSOM 7/21/2011 30.6	DW-05 ERM 3/30/2006 39
1,1,1,2-Tetrachloroethane	5		12 U	2.5 U	2.5 U	NA
1,1,1-Trichloroethane	5		**250**	3	0.5	0.5 U
1,1,2,2-Tetrachloroethane	5		2.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1		3.8 U	0.75 U	0.75 U	0.5 U
1,1-Dichloroethane	5		**35**	1.1	0.75 U	0.5 U
1,1-Dichloroethene	5		2.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5		12 U	2.5 U	2.5 U	NA
1,2,3-Trichlorobenzene	5		12 U	2.5 U	2.5 U	0.5 U
1,2,3-Trichloropropane	--		25 U	5 U	5 U	NA
1,2,4,5-Tetramethylbenzene	5		10 U	2 U	2 U	NA
1,2,4-Trichlorobenzene	5		12 U	2.5 U	2.5 U	0.5 U
1,2,4-Trimethylbenzene	5		12 U	2.5 U	2.5 U	NA
1,2-Dibromo-3-chloropropane	0.04		12 U	2.5 U	2.5 U	NA
1,2-Dibromoethane	--		12 U	2.5 U	2.5 U	0.5 U
1,2-Dichlorobenzene	3		12 U	2.5 U	2.5 U	0.5 U
1,2-Dichloroethane	0.6		2.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1		8.8 U	1.8 U	1.8 U	0.5 U
1,3,5-Trimethylbenzene	5		12 U	2.5 U	2.5 U	NA
1,3-Dichloropropane	5		10 U	2 U	3 U	NA
1,3-Dicholorobenzene	3		12 U	2.5 U	2.5 U	0.5 U
1,4-Dichlorobenzene	3		12 U	2.5 U	2.5 U	0.5 U
1,4-Diethylbenzene	--		10 U	2 U	2 U	NA
2,2-Dichloropropane	5		12 U	2.5 U	2.5 U	NA
2-Butanone (MEK)	50		25 U	5 U	2.4 J	5 U
2-Hexanone	50		25 U	5 U	5 U	5 U
4-Methyl-2-Pentanone (MIBK)	--		25 U	5 U	5 U	5 U
Acetone	50		NA	NA	NA	5 U
Acrylonitrile	--		12 U	2.5 U	2.5 U	NA
Benzene	1		2.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5		2.5 U	0.5 U	0.5 U	NA
Bromochloromethane	5		25 U	5 U	5 U	0.5 U
Bromodichloromethane	50		2.5 U	0.5 U	0.5 U	0.5 U

Table 5. Summary of Volatile Organic Compounds in Groundwater Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	TW101-W1-072111 RANSOM 7/21/2011 30.9	TW102-W1-072111 RANSOM 7/21/2011 29.2	TW103-W1-072111 RANSOM 7/21/2011 30.6	DW-05 ERM 3/30/2006 39
Bromoform	50		10 U	2 U	2 U	0.5 U
Bromomethane	5		5 U	1 U	1 U	0.5 U
Carbon disulfide	60		NA	NA	NA	0.5 U
Carbon tetrachloride	5		2.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5		2.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5		5 U	1 U	1 U	0.5 U
Chloroform	7		3.8 U	0.75 U	0.58 J	0.5 U
Chloromethane	5		12 U	2.5 U	2.5 U	0.5 U
cis-1,2-Dichloroethene	5		NA	NA	NA	0.5 U
cis-1,3-Dichloropropene	0.4		2.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	--		NA	NA	NA	0.5 U
Dibromochloromethane	50		2.5 U	0.5 U	0.5 U	0.5 U
Dibromochloropropane	0.04		NA	NA	NA	0.5 U
Dichlorodifluoromethane	5		NA	NA	NA	0.5 U J
Ethyl ether	--		12 U	2.5 U	2.5 U	NA
Ethylbenzene	5		2.5 U	0.5 U	0.5 U	0.5 U
Freon 113	5		NA	NA	NA	0.5 U
Hexachlorobutadiene	0.5		12 U	2.5 U	2.5 U	NA
Isopropylbenzene	5		3 U	0.6 U	0.6 U	0.5 U
Methyl acetate	--		NA	NA	NA	0.5 U
Methylcyclohexane	--		NA	NA	NA	0.5 U
Methylene Chloride	5		25 U	5 U	5 U	0.5 U
MTBE	10		NA	NA	NA	0.5 U
Naphthalene	10		2.5 U	0.5 U	0.5 U	NA
n-Butylbenzene	5		12 U	2.5 U	2.5 U	NA
n-Propylbenzene	5		2.5 U	0.5 U	0.5 U	NA
o-Chlorotoluene	--		12 U	2.5 U	2.5 U	NA
p-Chlorotoluene	--		12 U	2.5 U	2.5 U	NA
p-Isopropyltoluene	--		2.5 U	0.5 U	0.5 U	NA
sec-Butylbenzene	5		2.5 U	0.5 U	0.5 U	NA
Styrene	5		NA	NA	NA	0.5 U
tert-Butylbenzene	5		2.5 U	0.5 U	0.5 U	NA

Table 5. Summary of Volatile Organic Compounds in Groundwater Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	TW101-W1-072111 RANSOM 7/21/2011 30.9	TW102-W1-072111 RANSOM 7/21/2011 29.2	TW103-W1-072111 RANSOM 7/21/2011 30.6	DW-05 ERM 3/30/2006 39
Tetrachloroethene	5		2.5 U	0.5 U	0.5 U	0.5 U
Toluene	5		3.8 U	0.75 U	0.75 U	0.5 U
trans-1,2-Dichloroethene	5		3.8 U	0.75 U	0.75 U	0.5 U
trans-1,3-Dichloropropene	0.4		2.5 U	0.5 U	0.5 U	0.5 U
trans-1,4-Dichloro-2-butene	5		12 U	2.5 U	2.5 U	NA
Trichloroethene	5		2.7	0.79	0.5	0.5 U
Trichlorofluoromethane	5		12 U	2.5 U	2.5 U	0.5 U
Vinyl acetate	--		25 U	5 U	5 U	NA
Vinyl chloride	2		5 U	1 U	1 U	0.5 U
Xylenes (total)	5		NA	NA	NA	0.5 U
Total VOCs			287.7	4.89	3.98	0

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

µg/L -Micrograms per liter

J - Estimated Value

U - Compound was analyzed for but not detected

U J - The compound was analyzed for, but not detected. The associated numerical value is the detection limit. However, due to a QC exceedance the value is an estimated quantity.

DUP - Duplicate

- - No NYSDEC AWQSGV Standard Available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

NA - Compound was not analyzed by laboratory

Table 5. Summary of Volatile Organic Compounds in Groundwater Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:**	DW-05	DW-05	DW-05	DW-05	DW-05	DW-05	DW-08
		Sampler:	ERM	ERM	ERM	ERM	ERM	ERM	ERM
		Sample Date:	3/30/2006	3/30/2006	3/30/2006	3/30/2006	3/30/2006	3/30/2006	3/30/2006
		Sample Depth (ft):	44	90	84	79	74	69	38
1,1,1,2-Tetrachloroethane	5		NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	5		0.73	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U J
1,1-Dichloropropene	5		NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	--		NA	NA	NA	NA	NA	NA	NA
1,2,4,5-Tetramethylbenzene	5		NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene	5		NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04		NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	--		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	3		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.6		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene	5		NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	5		NA	NA	NA	NA	NA	NA	NA
1,3-Dicholorobenzene	3		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	3		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Diethylbenzene	--		NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	5		NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone (MIBK)	--		5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acrylonitrile	--		NA	NA	NA	NA	NA	NA	NA
Benzene	1		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5		NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	50		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 5. Summary of Volatile Organic Compounds in Groundwater Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:**	DW-05	DW-05	DW-05	DW-05	DW-05	DW-05	DW-08
		Sampler:	ERM	ERM	ERM	ERM	ERM	ERM	ERM
		Sample Date:	3/30/2006	3/30/2006	3/30/2006	3/30/2006	3/30/2006	3/30/2006	3/30/2006
		Sample Depth (ft):	44	90	84	79	74	69	38
Bromoform	50		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon disulfide	60		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U J
Carbon tetrachloride	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	7		0.5 U	0.89	0.4 J	0.59	2	0.5 U	0.5 U
Chloromethane	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.4		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	--		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloropropane	0.04		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	5		0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U J	0.5 U J	0.5 U J
Ethyl ether	--		NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Freon 113	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	0.5		NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl acetate	--		0.5 U J	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U
Methylcyclohexane	--		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	5		.83 U J	.82 U	.65 U J	.69 U	.92 U	.68 U	0.5 U
MTBE	10		0.5 U	1.5	2.5	1.3	0.97	0.5 U	0.5 U
Naphthalene	10		NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	5		NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	5		NA	NA	NA	NA	NA	NA	NA
o-Chlorotoluene	--		NA	NA	NA	NA	NA	NA	NA
p-Chlorotoluene	--		NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	--		NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	5		NA	NA	NA	NA	NA	NA	NA
Styrene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	5		NA	NA	NA	NA	NA	NA	NA

Table 5. Summary of Volatile Organic Compounds in Groundwater Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	DW-05 ERM 3/30/2006 44	DW-05 ERM 3/30/2006 90	DW-05 ERM 3/30/2006 84	DW-05 ERM 3/30/2006 79	DW-05 ERM 3/30/2006 74	DW-05 ERM 3/30/2006 69	DW-08 ERM 3/30/2006 38
Tetrachloroethene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.4		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,4-Dichloro-2-butene	5		NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl acetate	--		NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	2		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Xylenes (total)	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Total VOCs			0.73	2.39	2.9	1.89	2.97	0	0

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

µg/L -Micrograms per liter

J - Estimated Value

U - Compound was analyzed for but not detected

U J - The compound was analyzed for, but not detected. The associated numerical value is the detection limit. However, due to a QC exceedance the value is an estimated quantity.

DUP - Duplicate

- - No NYSDEC AWQSGV Standard Available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

NA - Compound was not analyzed by laboratory

Table 5. Summary of Volatile Organic Compounds in Groundwater Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	DW-09 ERM 3/13/2006 36	DW-10 ERM 3/9/2006 38	DW-11 ERM 3/1/2006 38	DW-12 ERM 3/1/2006 38	GP-02 ERM 4/3/2006 90	GP-02 ERM 4/3/2006 84	GP-02 ERM 4/3/2006 79
1,1,1,2-Tetrachloroethane	5		NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	5		0.37 J	**6.1**	**100**	**40**	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1		0.5 U	0.5 U	0.5 U J	0.5 U J	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	5		0.5 U	0.5 U	**24**	4.5	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	5		0.5 U	0.5 U J	1.2	1.2 J	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5		NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	--		NA	NA	NA	NA	NA	NA	NA
1,2,4,5-Tetramethylbenzene	5		NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene	5		NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04		NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	--		0.5 U	0.5 U J	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	3		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.6		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene	5		NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	5		NA	NA	NA	NA	NA	NA	NA
1,3-Dicholorobenzene	3		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	3		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Diethylbenzene	--		NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	5		NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	50		5 U	5 U	5 U	5 U J	5 U	5 U	5 U
4-Methyl-2-Pentanone (MIBK)	--		5 U	5 U	5 U	5 U J	5 U	5 U	5 U
Acetone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acrylonitrile	--		NA	NA	NA	NA	NA	NA	NA
Benzene	1		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5		NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	50		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 5. Summary of Volatile Organic Compounds in Groundwater Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	DW-09 ERM 3/13/2006 36	DW-10 ERM 3/9/2006 38	DW-11 ERM 3/1/2006 38	DW-12 ERM 3/1/2006 38	GP-02 ERM 4/3/2006 90	GP-02 ERM 4/3/2006 84	GP-02 ERM 4/3/2006 79
Bromoform	50		0.5 U	0.5 U J	0.5 U J	0.5 U	0.5 U J	0.5 U J	0.5 U J
Bromomethane	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon disulfide	60		0.5 U J	0.5 U J	0.5 U	0.72	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	5		0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U
Chlorobenzene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	7		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	5		0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	5		0.5 U	0.5 U	0.84	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.4		0.5 U	0.5 U	0.5 U J	0.5 U J	0.5 U	0.5 U	0.5 U
Cyclohexane	--		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50		0.5 U	0.5 U J	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloropropane	0.04		0.5 U	R	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	5		0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U
Ethyl ether	--		NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Freon 113	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	0.5		NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl acetate	--		0.5 U	0.5 U	R	R	0.5 U	0.5 U	0.5 U
Methylcyclohexane	--		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	5		0.5 U	0.5 U	0.5 U J	0.5 U	0.72 U	0.73 U	0.81 U
MTBE	10		0.5 U	0.5 U	0.5 U J	0.5 U J	1.4	4.1	0.92
Naphthalene	10		NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	5		NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	5		NA	NA	NA	NA	NA	NA	NA
o-Chlorotoluene	--		NA	NA	NA	NA	NA	NA	NA
p-Chlorotoluene	--		NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	--		NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	5		NA	NA	NA	NA	NA	NA	NA
Styrene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	5		NA	NA	NA	NA	NA	NA	NA

Table 5. Summary of Volatile Organic Compounds in Groundwater Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	DW-09 ERM 3/13/2006 36	DW-10 ERM 3/9/2006 38	DW-11 ERM 3/1/2006 38	DW-12 ERM 3/1/2006 38	GP-02 ERM 4/3/2006 90	GP-02 ERM 4/3/2006 84	GP-02 ERM 4/3/2006 79
Tetrachloroethene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5		0.5 U	0.5 U	0.86	0.32 J	0.72	0.62	0.41 J
trans-1,2-Dichloroethene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.4		0.5 U	0.5 U	0.5 U J	0.5 U J	0.5 U	0.5 U	0.5 U
trans-1,4-Dichloro-2-butene	5		NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5		0.5 U	0.5	**6.6**	**10**	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl acetate	--		NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	2		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Xylenes (total)	5		0.37	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Total VOCs			0.74	6.6	133.5	56.74	2.12	4.72	1.33

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

µg/L -Micrograms per liter

J - Estimated Value

U - Compound was analyzed for but not detected

U J - The compound was analyzed for, but not detected. The associated numerical value is the detection limit. However, due to a QC exceedance the value is an estimated quantity.

DUP - Duplicate

- - No NYSDEC AWQSGV Standard Available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

NA - Compound was not analyzed by laboratory

Table 5. Summary of Volatile Organic Compounds in Groundwater Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:**	GP-02	GP-02	GP-02	GP-02	GP-02	GP-02	GP-02-DUP
		Sampler:	ERM	ERM	ERM	ERM	ERM	ERM	ERM
		Sample Date:	4/3/2006	4/3/2006	4/3/2006	4/4/2006	4/4/2006	4/4/2006	4/4/2006
		Sample Depth (ft):	74	69	64	59	54	49	49
1,1,1,2-Tetrachloroethane	5		NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	5		0.5 U	0.5 U	0.31 J	2.1	1.1	2.6	3
1,1,2,2-Tetrachloroethane	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1		0.5 U	0.5 U J	0.5 U J	0.5 U J	0.5 U J	0.5 U J	0.5 U J
1,1-Dichloroethane	5		0.5 U	0.5 U	0.5 U	2.2	**5.7**	**5.9**	**6.7**
1,1-Dichloroethene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5		NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	--		NA	NA	NA	NA	NA	NA	NA
1,2,4,5-Tetramethylbenzene	5		NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene	5		NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04		NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	--		0.5 U	0.5 U J	0.5 U J	0.5 U	0.5 U	0.5 U J	0.5 U
1,2-Dichlorobenzene	3		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.6		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene	5		NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	5		NA	NA	NA	NA	NA	NA	NA
1,3-Dicholorobenzene	3		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	3		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Diethylbenzene	--		NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	5		NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone (MIBK)	--		5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acrylonitrile	--		NA	NA	NA	NA	NA	NA	NA
Benzene	1		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5		NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	50		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 5. Summary of Volatile Organic Compounds in Groundwater Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:**	GP-02	GP-02	GP-02	GP-02	GP-02	GP-02	GP-02-DUP
		Sampler:	ERM	ERM	ERM	ERM	ERM	ERM	ERM
		Sample Date:	4/3/2006	4/3/2006	4/3/2006	4/4/2006	4/4/2006	4/4/2006	4/4/2006
		Sample Depth (ft):	74	69	64	59	54	49	49
Bromoform	50		0.5 U J	0.5 U J	0.5 U J	0.5 U	0.5 U	0.5 U J	0.5 U J
Bromomethane	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon disulfide	60		0.5 U	0.5 U	0.77	0.62	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	7		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.88	0.98
cis-1,3-Dichloropropene	0.4		0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U J	0.5 U J
Cyclohexane	--		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50		0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U J	0.5 U
Dibromochloropropane	0.04		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	5		0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethyl ether	--		NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Freon 113	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	0.5		NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	5		0.5 U	0.5 U	**6.9**	0.5 U	0.5 U	0.5 U	0.5 U
Methyl acetate	--		0.5 U	0.5 U	0.52 U	0.58 U	0.5 U	0.5 U	0.5 U
Methylcyclohexane	--		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	5		0.75 U	0.5 U	0.52 U	0.58 U	0.5 U	0.5 U	0.74 U
MTBE	10		0.5 U	1.9	6.9	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	10		NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	5		NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	5		NA	NA	NA	NA	NA	NA	NA
o-Chlorotoluene	--		NA	NA	NA	NA	NA	NA	NA
p-Chlorotoluene	--		NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	--		NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	5		NA	NA	NA	NA	NA	NA	NA
Styrene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	5		NA	NA	NA	NA	NA	NA	NA

Table 5. Summary of Volatile Organic Compounds in Groundwater Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:**	GP-02	GP-02	GP-02	GP-02	GP-02	GP-02	GP-02-DUP
		Sampler:	ERM	ERM	ERM	ERM	ERM	ERM	ERM
		Sample Date:	4/3/2006	4/3/2006	4/3/2006	4/4/2006	4/4/2006	4/4/2006	4/4/2006
		Sample Depth (ft):	74	69	64	59	54	49	49
Tetrachloroethene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5		0.4 J	0.5 U	0.5 U	1.7	0.38 J	0.5 U	0.32 J
trans-1,2-Dichloroethene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.4		0.5 U	0.5 U J	0.5 U J	0.5 U	0.5 U	0.5 U J	0.5 U J
trans-1,4-Dichloro-2-butene	5		NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5		0.5 U	0.5 U	0.5 U	0.4 J	0.75	1	1.2
Trichlorofluoromethane	5		0.5 U	0.5 U J	0.5 U J	0.5 U J	0.5 U J	0.5 U J	0.5 U
Vinyl acetate	--		NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	2		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Xylenes (total)	5		0.5 U	0.5 U	0.44 J	0.5 U	0.5 U	0.5 U	0.5 U
Total VOCs			0.41	1.9	15.32	7.02	7.93	10.38	12.2

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

µg/L -Micrograms per liter

J - Estimated Value

U - Compound was analyzed for but not detected

U J - The compound was analyzed for, but not detected. The associated numerical value is the detection limit. However, due to a QC exceedance the value is an estimated quantity.

DUP - Duplicate

- - No NYSDEC AWQSGV Standard Available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

NA - Compound was not analyzed by laboratory

Table 5. Summary of Volatile Organic Compounds in Groundwater Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	GP-02 ERM 4/4/2006 44	GP-02 ERM 4/4/2006 39	GP-05 ERM 4/4/2006 90	GP-05 ERM 4/4/2006 84	GP-05 ERM 4/4/2006 79	GP-05 ERM 4/4/2006 74	GP-05 ERM 4/4/2006 69	GP-05 ERM 4/4/2006 64
1,1,1,2-Tetrachloroethane	5		NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	5		**20**	**140**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1		0.5 U J	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U J
1,1-Dichloroethane	5		4.4	**51**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	5		0.5 U	1.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5		NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	--		NA	NA	NA	NA	NA	NA	NA	NA
1,2,4,5-Tetramethylbenzene	5		NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene	5		NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04		NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	--		0.5 U J	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U J
1,2-Dichlorobenzene	3		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.6		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene	5		NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	5		NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dicholorobenzene	3		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	3		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Diethylbenzene	--		NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	5		NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone (MIBK)	--		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acrylonitrile	--		NA	NA	NA	NA	NA	NA	NA	NA
Benzene	1		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5		NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	50		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 5. Summary of Volatile Organic Compounds in Groundwater Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:**	GP-02	GP-02	GP-05	GP-05	GP-05	GP-05	GP-05	GP-05
		Sampler:	ERM	ERM	ERM	ERM	ERM	ERM	ERM	ERM
		Sample Date:	4/4/2006	4/4/2006	4/4/2006	4/4/2006	4/4/2006	4/4/2006	4/4/2006	4/4/2006
		Sample Depth (ft):	44	39	90	84	79	74	69	64
Bromoform	50		0.5 U J	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U J
Bromomethane	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon disulfide	60		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	7		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	5		1.1	0.97	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.4		0.5 U J	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U J
Cyclohexane	--		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50		0.5 U J	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U J
Dibromochloropropane	0.04		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethyl ether	--		NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Freon 113	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	0.5		NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl acetate	--		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylcyclohexane	--		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
MTBE	10		0.5 U	0.5 U	2.5	2.1	0.84	2.5	0.5 U	0.5 U
Naphthalene	10		NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	5		NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	5		NA	NA	NA	NA	NA	NA	NA	NA
o-Chlorotoluene	--		NA	NA	NA	NA	NA	NA	NA	NA
p-Chlorotoluene	--		NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	--		NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	5		NA	NA	NA	NA	NA	NA	NA	NA
Styrene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	5		NA	NA	NA	NA	NA	NA	NA	NA

Table 5. Summary of Volatile Organic Compounds in Groundwater Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	GP-02 ERM 4/4/2006 44	GP-02 ERM 4/4/2006 39	GP-05 ERM 4/4/2006 90	GP-05 ERM 4/4/2006 84	GP-05 ERM 4/4/2006 79	GP-05 ERM 4/4/2006 74	GP-05 ERM 4/4/2006 69	GP-05 ERM 4/4/2006 64
Tetrachloroethene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5		0.59	0.5 U	0.89	0.45 J	0.5 U	0.36 J	0.5 U	0.5 U
trans-1,2-Dichloroethene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.4		0.5 U J	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U J
trans-1,4-Dichloro-2-butene	5		NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5		**6.8**	**13**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5		0.5 U J	0.5 U J	0.5 U J	0.5 U J	0.5 U J	0.5 U J	0.5 U J	0.5 U J
Vinyl acetate	--		NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	2		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Xylenes (total)	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Total VOCs			32.89	206.37	3.39	2.55	0.84	2.86	0	0

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

µg/L -Micrograms per liter

J - Estimated Value

U - Compound was analyzed for but not detected

U J - The compound was analyzed for, but not detected. The associated numerical value is the detection limit. However, due to a QC exceedance the value is an estimated quantity.

DUP - Duplicate

- - No NYSDEC AWQSGV Standard Available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

NA - Compound was not analyzed by laboratory

Table 5. Summary of Volatile Organic Compounds in Groundwater Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:**	GP-05	GP-05	GP-05	GP-05	GP-05-DUP	GP-05	GP-05
		Sampler:	ERM	ERM	ERM	ERM	ERM	ERM	ERM
		Sample Date:	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006
		Sample Depth (ft):	59	54	49	44	44	39	34
1,1,1,2-Tetrachloroethane	5		NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	5		0.73	0.57	**18**	**540**	**630**	**1800**	**210**
1,1,2,2-Tetrachloroethane	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1		0.5 U J	0.5 U J	0.5 U J	0.5 U	0.5 U J	0.5 U	0.5 U J
1,1-Dichloroethane	5		0.5 U	4.6 J	**100**	**96**	**99**	**140**	**23**
1,1-Dichloroethene	5		0.5 U	R	4.5	**22**	**24**	**72**	**5.3**
1,1-Dichloropropene	5		NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	5		0.5 U	R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	--		NA	NA	NA	NA	NA	NA	NA
1,2,4,5-Tetramethylbenzene	5		NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5		0.5 U	R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene	5		NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04		NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	--		0.5 U J	0.5 U J	0.5 U J	0.5 U	0.5 U J	0.5 U	0.5 U J
1,2-Dichlorobenzene	3		0.5 U	R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.6		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1		0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene	5		NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	5		NA	NA	NA	NA	NA	NA	NA
1,3-Dicholorobenzene	3		0.5 U	R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	3		0.5 U	R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Diethylbenzene	--		NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	5		NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	50		R	R	5 U	5 U	5 U	5 U	5 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone (MIBK)	--		5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		R	R	5 U	5 U	5 U	5 U	5 U
Acrylonitrile	--		NA	NA	NA	NA	NA	NA	NA
Benzene	1		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5		NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	5		0.5 U	R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	50		0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 5. Summary of Volatile Organic Compounds in Groundwater Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:**	GP-05	GP-05	GP-05	GP-05	GP-05-DUP	GP-05	GP-05
		Sampler:	ERM	ERM	ERM	ERM	ERM	ERM	ERM
		Sample Date:	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006
		Sample Depth (ft):	59	54	49	44	44	39	34
Bromoform	50		0.5 U J	0.5 U J	0.5 U J	0.5 U J	0.5 U J	0.5 U J	0.5 U J
Bromomethane	5		0.5 U	R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon disulfide	60		0.5 U	0.54 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5		0.5 U	R	0.92	0.5 U	0.84	1.9	0.5 U
Chloroform	7		0.5 U	R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	5		0.5 U	R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	5		0.5 U	R	1.7	**6.6 J**	**7.5 J**	2.5 J	0.5 U
cis-1,3-Dichloropropene	0.4		0.5 U J	0.5 U J	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U J
Cyclohexane	--		0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50		0.5 U J	0.5 U J	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloropropane	0.04		0.5 U	R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	5		0.5 U	R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethyl ether	--		NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Freon 113	5		0.5 U	R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	0.5		NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl acetate	--		0.5 U	R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylcyclohexane	--		0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
MTBE	10		0.5 U	R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	10		NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	5		NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	5		NA	NA	NA	NA	NA	NA	NA
o-Chlorotoluene	--		NA	NA	NA	NA	NA	NA	NA
p-Chlorotoluene	--		NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	--		NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	5		NA	NA	NA	NA	NA	NA	NA
Styrene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	5		NA	NA	NA	NA	NA	NA	NA

Table 5. Summary of Volatile Organic Compounds in Groundwater Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	GP-05 ERM 4/5/2006 59	GP-05 ERM 4/5/2006 54	GP-05 ERM 4/5/2006 49	GP-05 ERM 4/5/2006 44	GP-05-DUP ERM 4/5/2006 44	GP-05 ERM 4/5/2006 39	GP-05 ERM 4/5/2006 34
Tetrachloroethene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5		0.5 U	1	0.96	0.98	1.1	0.74	0.9
trans-1,2-Dichloroethene	5		0.5 U	R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.4		0.5 U J	0.5 U J	0.5 U J	0.5 U	0.5 U J	0.5 U	0.5 U J
trans-1,4-Dichloro-2-butene	5		NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5		0.5 U	0.38 J	3.9	**7.7**	**8.6**	**5.4**	**0.8**
Trichlorofluoromethane	5		0.5 U	R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl acetate	--		NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	2		0.5 U	R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Xylenes (total)	5		0.5 U	0.5 U	0.5 U	0.37 J	0.42 J	0.5 U	0.5 U
Total VOCs			0.73	6.55	129.98	667.05	771.46	2022.54	240

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

µg/L -Micrograms per liter

J - Estimated Value

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U J - The compound was analyzed for, but not detected. The associated numerical value is the detection limit. However, due to a QC exceedance the value is an estimated quantity.

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- - No NYSDEC AWQSGV Standard Available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

NA - Compound was not analyzed by laboratory

Table 5. Summary of Volatile Organic Compounds in Groundwater Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	CW-01 ERM 2/21/2006 47	CW-01- DUP ERM 2/21/2006 47	FN-19 ERM 2/23/2006 45
1,1,1,2-Tetrachloroethane	5		NA	NA	NA
1,1,1-Trichloroethane	5		**15**	**17**	**370**
1,1,2,2-Tetrachloroethane	5		0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1		0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	5		1.1	0.66 J	**170**
1,1-Dichloroethene	5		0.5 U	0.5 U	5
1,1-Dichloropropene	5		NA	NA	NA
1,2,3-Trichlorobenzene	5		0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	--		NA	NA	NA
1,2,4,5-Tetramethylbenzene	5		NA	NA	NA
1,2,4-Trichlorobenzene	5		0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene	5		NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04		NA	NA	NA
1,2-Dibromoethane	--		0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	3		0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.6		0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1		0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene	5		NA	NA	NA
1,3-Dichloropropane	5		NA	NA	NA
1,3-Dicholorobenzene	3		0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	3		0.5 U	0.5 U	0.5 U
1,4-Diethylbenzene	--		NA	NA	NA
2,2-Dichloropropane	5		NA	NA	NA
2-Butanone (MEK)	50		5 U	5 U	5 U
2-Hexanone	50		5 U	5 U	5 U J
4-Methyl-2-Pentanone (MIBK)	--		5 U	5 U	5 U J
Acetone	50		5 U	5 U	5 U
Acrylonitrile	--		NA	NA	NA
Benzene	1		0.5 U	0.5 U	0.5 U
Bromobenzene	5		NA	NA	NA
Bromochloromethane	5		0.5 U	0.5 U J	0.5 U
Bromodichloromethane	50		0.5 U	0.5 U	0.5 U

Table 5. Summary of Volatile Organic Compounds in Groundwater Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	CW-01 ERM 2/21/2006 47	CW-01- DUP ERM 2/21/2006 47	FN-19 ERM 2/23/2006 45
Bromoform	50		0.5 U	0.5 U	0.5 U
Bromomethane	5		0.5 U	0.5 U	0.5 U
Carbon disulfide	60		0.5 U	0.5 U	0.5 U
Carbon tetrachloride	5		0.5 U	0.5 U	0.5 U
Chlorobenzene	5		0.5 U	0.5 U	0.5 U
Chloroethane	5		0.5 U	0.5 U	0.95 U
Chloroform	7		0.5 U	0.5 U J	0.5 U
Chloromethane	5		0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	5		0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.4		0.5 U	0.5 U	0.5 U J
Cyclohexane	--		0.5 U	0.5 U	0.5 U
Dibromochloromethane	50		0.5 U	0.5 U	0.5 U
Dibromochloropropane	0.04		0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	5		0.5 U J	0.5 U J	0.5 U J
Ethyl ether	--		NA	NA	NA
Ethylbenzene	5		0.5 U	0.5 U	0.5 U
Freon 113	5		0.5 U J	0.5 U J	0.5 U J
Hexachlorobutadiene	0.5		NA	NA	NA
Isopropylbenzene	5		0.5 U	0.5 U	0.5 U
Methyl acetate	--		R	R	R
Methylcyclohexane	--		0.5 U	0.5 U	0.5 U
Methylene Chloride	5		0.5 U J	0.5 U J	0.5 U J
MTBE	10		0.5 U J	0.5 U J	0.5 U J
Naphthalene	10		NA	NA	NA
n-Butylbenzene	5		NA	NA	NA
n-Propylbenzene	5		NA	NA	NA
o-Chlorotoluene	--		NA	NA	NA
p-Chlorotoluene	--		NA	NA	NA
p-Isopropyltoluene	--		NA	NA	NA
sec-Butylbenzene	5		NA	NA	NA
Styrene	5		0.5 U	0.5 U	0.5 U
tert-Butylbenzene	5		NA	NA	NA

Table 5. Summary of Volatile Organic Compounds in Groundwater Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	CW-01 ERM 2/21/2006 47	CW-01- DUP ERM 2/21/2006 47	FN-19 ERM 2/23/2006 45
Tetrachloroethene	5		0.5 U	0.5 U	**6.6**
Toluene	5		0.36 J	0.31 J	0.44 J
trans-1,2-Dichloroethene	5		0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.4		0.5 U	0.5 U	0.5 U J
trans-1,4-Dichloro-2-butene	5		NA	NA	NA
Trichloroethene	5		1.7	1.9	0.5 U
Trichlorofluoromethane	5		0.5 U	0.5 U	0.5 U
Vinyl acetate	--		NA	NA	NA
Vinyl chloride	2		0.5 U	0.5 U	0.5 U J
Xylenes (total)	5		0.5 U	0.5 U	0.5 U
Total VOCs			18.16	19.87	552.04

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

µg/L -Micrograms per liter

J - Estimated Value

U - Compound was analyzed for but not detected

U J - The compound was analyzed for, but not detected. The associated numerical value is the detection limit. However, due to a QC exceedance the value is an estimated quantity.

DUP - Duplicate

- - No NYSDEC AWQSGV Standard Available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

NA - Compound was not analyzed by laboratory

Table 6. Summary of Semivolatile Organic Compounds in Groundwater Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	TW101-W1-072111 RANSOM 7/21/2011 30.9	TW102-W1-072111 RANSOM 7/21/2011 29.2	TW103-W1-072111 RANSOM 7/21/2011 30.6
Acenaphthene	--		0.2 U	0.2 U	0.2 U
Fluoranthene	50		0.2 U	0.2 U	0.2 U
Naphthalene	10		0.2 U	0.2 U	0.2 U
Benzo(a)anthracene	0.002		0.2 U	0.2 U	0.2 U
Benzo(a)pyrene	--		0.2 U	0.2 U	0.2 U
Benzo(b)fluoranthene	0.002		0.2 U	0.2 U	0.2 U
Benzo(k)fluoranthene	0.002		0.2 U	0.2 U	0.2 U
Chrysene	0.002		0.2 U	0.2 U	0.2 U
Anthracene	50		0.2 U	0.2 U	0.2 U
Benzo(ghi)perylene	--		0.2 U	0.2 U	0.2 U
Fluorene	50		0.2 U	0.2 U	0.2 U
Phenanthrene	50		0.2 U	0.2 U	0.2 U
Dibenzo(a,h)anthracene	--		0.2 U	0.2 U	0.2 U
Indeno(1,2,3-cd)pyrene	0.002		0.2 U	0.2 U	0.2 U
Pyrene	50		0.2 U	0.2 U	0.2 U

NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
µg/L -Micrograms per liter
U - Compound was analyzed for but not detected
- - No NYSDEC AWQSGV Standard Available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

Table 7. Summary of Metals in Groundwater Samples, 1760 Fifth Avenue, Bay Shore, New York

Parameter (Concentrations in mg/L)	NYSDEC AWQSGVs (mg/l)	**Sample Designation:** / **Sampler:** / **Sample Date:** / **Sample Depth (ft):**	TW101-W1-072111 RANSOM 07/21/11 30.9	TW102-W1-072111 RANSOM 07/21/11 29.2	TW103-W1-072111 RANSOM 7/21/2011 30.6
Antimony, Dissolved	0.003		0.05 U	0.05 U	0.05 U
Arsenic, Dissolved	0.025		0.005 U	0.005 U	0.005 U
Beryllium, Dissolved	0.003		0.005 U	0.005 U	0.005 U
Cadmium, Dissolved	0.005		0.005 U	0.005 U	0.005 U
Chromium, Dissolved	0.05		0.01 U	0.003 J	0.004 J
Copper, Dissolved	0.2		0.063	0.187	0.011
Lead, Dissolved	0.025		0.01 U	0.01	0.01 U
Mercury, Dissolved	0.0007		0.0002 U	0.0002 U	0.0002 U
Nickel, Dissolved	0.1		0.009 J	0.025	0.03
Selenium, Dissolved	0.01		0.01 U	0.01 U	0.01 U
Silver, Dissolved	0.05		0.007 U	0.007 U	0.007 U
Thallium, Dissolved	0.0005		0.02 U	0.02 U	0.02 U
Zinc, Dissolved	2		0.095	0.052	0.497

NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
µg/L -Micrograms per liter
J - Estimated Value
U - Compound was analyzed for but not detected
- - No NYSDEC AWQSGV Standard Available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

Appendix B

Membrane Interface Hydraulic Profiling Tool Report

S_2C_2 inc.

Streamlined Site Characterization & Closure

High-Resolution Subsurface Characterization of Chlorinated Solvents Using a Combination Membrane Interface-Hydraulic Profiling Tool

South Shore Outdoor
1760 5th Avenue
Bay Shore, New York 11706

June 12, 2015

PREPARED FOR

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TABLE OF CONTENTS

Introduction …….. . 1

Objectives ……. 1

Equipment Description…… 1

Summary of Field Investigation .…… 3

QA/QC….. ……. 3

Direct Sensing Log Interpretation …… 4

Appendices

Appendix A: MiHPT Logs

Introduction

Sovereign Consulting Inc. (Sovereign) contracted S_2C_2, Inc. (S_2C_2) to conduct an investigation of subsurface chlorinated solvent impacts at the South Shore Outdoor facility located at 1760 5th Avenue in Bay Shore, New York (Site). The investigation involved delineating the vertical and horizontal extent of chlorinated volatile organic compounds (cVOCs) using Geoprobe®'s combination Membrane Interface Probe-Hydraulic Profiling Tool (MiHPT) and electrical conductivity (EC) technologies. Following the MIP-EC logging, confirmatory groundwater samples were collected via temporary well installations to verify MIP detector responses. The work was conducted from June 1-5, 2015.

Objectives

Previous site investigations revealed the presence of chlorinated hydrocarbons in the soil and groundwater underlying the Site. The primary objective of this investigation was to assess the presence and extent of chlorinated hydrocarbon impacts at the Site.

Equipment Description

The MiHPT, a tool developed by and available from Geoprobe®, combines the standard Membrane Interface Probe (MIP) with the Hydraulic Profiling Tool (HPT) to log chemical and hydraulic data simultaneously in a single push. This tool set provides a very high resolution semi-quantitative screening tool for subsurface total VOC concentrations and hydrogeologic conditions.

The MIP coupled with an electrical conductivity sensor provides continuous stratigraphic information of the soil as well as semi-quantitative concentrations of volatile organic compounds (VOCs). The MIP can be used in both saturated and unsaturated materials to detect VOCs in the gaseous, sorbed, dissolved or free phases. The "Membrane" acts as an interface between the VOCs in the subsurface and gas phase detectors at the surface. The membrane is semi-permeable and is comprised of a thin film polymer impregnated into a stainless steel screen for support. The membrane is approximately 6.35mm in diameter and may be easily replaced if damaged. The membrane is placed in a heated block attached to the probe. This block is heated to approximately 120°C and is raised at the leading edge to help protect the membrane from damage when being pushed through the geologic matrix. Heating the block helps accelerate diffusion of the VOCs through the membrane. Diffusion occurs due to a concentration gradient between the impacted matrix and the clean carrier gas behind the membrane. A constant gas flow of 35-45 mL/min sweeps behind the membrane and carries the diffused VOCs to the gas phase detectors at the surface. Travel time from the membrane interface to the detector(s) is approximately 45-90 seconds (depending on the length of trunkline, flow rate, and ambient air temperature).

The EC capabilities of the probe consist of an electric dipole near the lead-end of the probe that sends a current into the soil formation which is measured along with the voltage that results. The conductivity is a ratio of current to voltage times a constant and is read in milli-Siemens per meter (mS/m). Because fine grain soils have more surface area through

which to conduct electricity, EC is effectively a measurement of the *predominant* soil grain-size and can be used to identify lithologic changes. It is important to stress that EC reads the grain-size which is present at the greatest percentage. In general, coarse-grained soils such as gravel and coarse sands have the lowest values (typically 0-20 mS/m) and clay has the greatest values (typically greater than 80 mS/m).

The HPT uses a sensitive, downhole transducer to measure the pressure response of the sub-surface to the constant, monitored injection of clean water. As the probe is advanced at 2 cm/s, water is injected through a stainless steel screen on the side of the probe at a rate of approximately 200-300 mL/min. Transducer pressure and injection flow rate are plotted with depth in real-time. A low pressure is indicative of higher sub-surface permeability while high pressure indicates a lower permeability. Once the HPT probe has been advanced below the water table, dissipation tests can be performed to determine static water level and Est. K. The operator will pause advancement of the probe and shut-off the flow of water to the HPT probe. The HPT pressure will then dissipate and once it has stabilized, the operator will return water flow to the HPT and continue advancement of the probe. Upon completion of the log, the operator can utilize equations integrated in the Direct Image Viewer software to calculate static water level, depth of water table, and Est. K in ft/day. To refine the calculations' precision, multiple dissipation tests can be run in the same log.

S_2C_2 utilized a Geoprobe® direct-push unit with an all-terrain support vehicle to perform all direct-sensing MIP/EC services. S_2C_2 used a MH6530 MiHPT 1.5" probe, FI 6000 field instrument, MP 6500 MIP controller coupled with a Hewlett-Packard 5890 gas chromatograph, K6300 HPT flow module and a field laptop with Direct Image Acquisition software to log all MiHPT data. For this project, S_2C_2 used three detectors: a flame ionization detector (FID), a photo-ionization detector (PID) and a halogen-specific detector (XSD). The FID/PID detect total VOCs with the PID more sensitive to aromatic compounds. The XSD only detects halogen-containing hydrocarbons (i.e. cVOCs). Detection limits for typical MIP configurations are generally between one ppm and 250 ppb or less. Output from the detectors was displayed on the field laptop in real-time, displaying: conductivity, push-rate, detector response, carrier gas pressure and flow, HPT transducer pressure and flow, and probe temperature data. These data were viewed continuously during the logging run.

For the temporary well installation, S_2C_2 utilized a Geoprobe® direct-push unit equipped with the Geoprobe® Screen Point 16 (SP16) groundwater sampling system. The SP16 is an ideal system for rapidly sampling discrete groundwater intervals. It utilizes a 1.6" outer-diameter (OD) screen sheath with an expendable point which is driven to the bottom depth of the screened interval by adding subsequent 1.5" OD probe rods. A 10-slot stainless steel screen is housed inside the screen sheath during tool advancement. Once the bottom screen interval depth is reached, small diameter steel extension rods are lowered into the 1.5" rod annulus and into the bottom of the screen. The screen is held in place with the extension

rods while the tool string is retracted until the screen is exposed to the desired sampling interval. Dedicated polyethylene tubing with a stainless steel check valve is connected to a peristaltic pump and lowered into the screen to develop and purge the interval. After development is complete, the pump is shut-off and the tubing and check valve are removed from the tool string. The check valve is removed from the tubing and sample vials can be filled by draining the tubing. The tool string is then removed from the ground and the SP16 system and check valve are decontaminated.

Summary of Field Investigation

A total of 14 MiHPT pushes were advanced to delineate the horizontal and vertical extent of cVOCs. Refusal was determined when the probe advancement slowed to less than one ft/min. Refusal was not encountered at any of the boring locations and the field team was able to advance the probe to whatever depth was deemed necessary by the Sovereign site representative. For this investigation, a depth of 65 ft bgs was the target so all borings were terminated at that depth. A total of two groundwater samples were collected using the temporary well installation method described above. The samples were collected by Sovereign and analyzed by an independent laboratory. All borings were backfilled first with a bentonite slurry followed by bentonite chips to the surface and an asphalt patch with the exception of MiHPT-07 which was patched at the surface with concrete.

QA/QC

S_2C_2 follows a strict QA/QC program following Geoprobe's MIP SOP Technical Bulletin No. MK 3010, revised April 2012. S_2C_2 performs a response test before and after each MIP location. The response test is an important quality control test in that it tests the integrity of the complete system. S_2C_2 performs the response test by preparing a known concentration of the standard into 500 ml of water and then immersing the MIP probe into that solution. The standard used for this investigation was 1ppm TCE. After the pre-established trip time, the probe is removed and response is measured. Performing a response test before and after each run measures the integrity of the system and checks for degradation of the membrane. If the post-run results are not similar to pre-run results, then corrective action (replacement of membrane, checking for leaks in the system) may be necessary. Some degradation of the membrane is expected and replacement of the membrane is considered a routine maintenance task. Without adhering to these QA/QC checks, MIP data from one hole cannot be accurately compared to other locations. MIP QA/QC testing results are provided in the notes section of the MIP logs. It should be noted that these response tests are not conducted to calibrate the MIP system nor to build a calibration curve but rather as an overall check on the system. For this and other reasons (matrix effects, varying response of different compounds, system settings, etc.) the MIP response cannot be used to predict resulting soil or groundwater concentrations for given compounds and therefore remains a semi-quantitative tool.

To check the EC dipole, an EC dipole tester configured with high and low EC materials on either end is applied across the EC dipole and the isolated steel body of the probe. If the

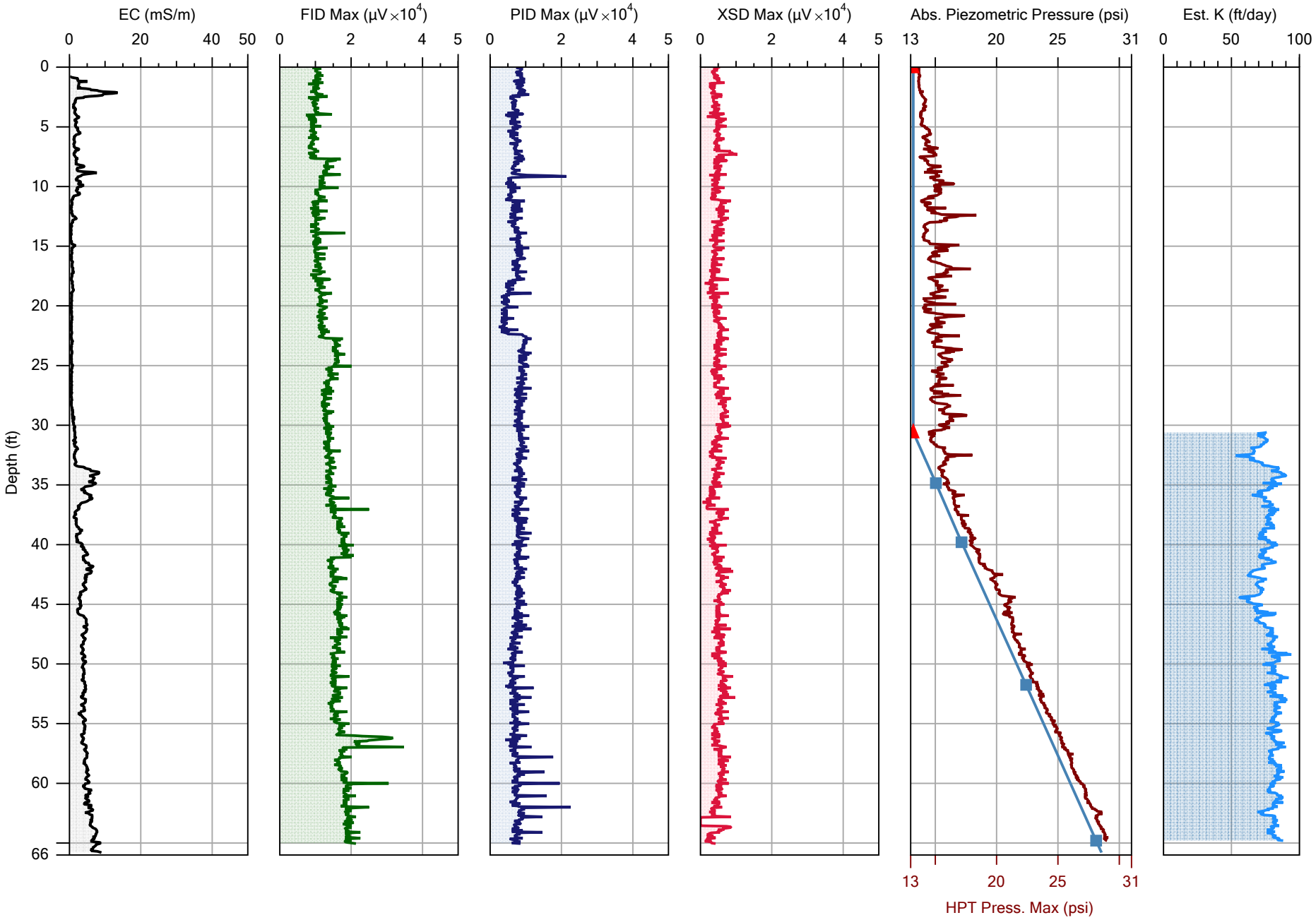
EC response is within +/- 5% of the target value, the EC test is passed. If either the high or low EC test fails, corrective action (typically opening the probe and reconnecting the EC wires) must be taken.

S_2C_2 also follows a strict QA/QC program following Geoprobe's HPT SOP Technical Bulletin No. MK 3137, prepared February 2013. S_2C_2 performs a response test before and after each MIP location. The response test is an important quality control test in that it tests the integrity of the complete system. S_2C_2 performs the response test by inserting the HPT probe into the HPT reference tube with the valve open and the water pump running. The pressure is captured in this scenario. Then the valve is closed and the water is allowed to run out of the top of the reference tube. Again this pressure is captured by the Acquisition software. The pump is then shut off and pressure is captured. The valve is then opened and once the water is at equilibrium the pressure is captured. Ideally, the pressure difference observed between the upper and lower water level both with and without flow is 0.217 psi. If the pressure differences deviate significantly from this value then corrective action (replacing the screen or transducer) may be necessary. Without adhering to these QA/QC checks, static water level and Est. K cannot be accurately calculated.

Direct Sensing Log Interpretation

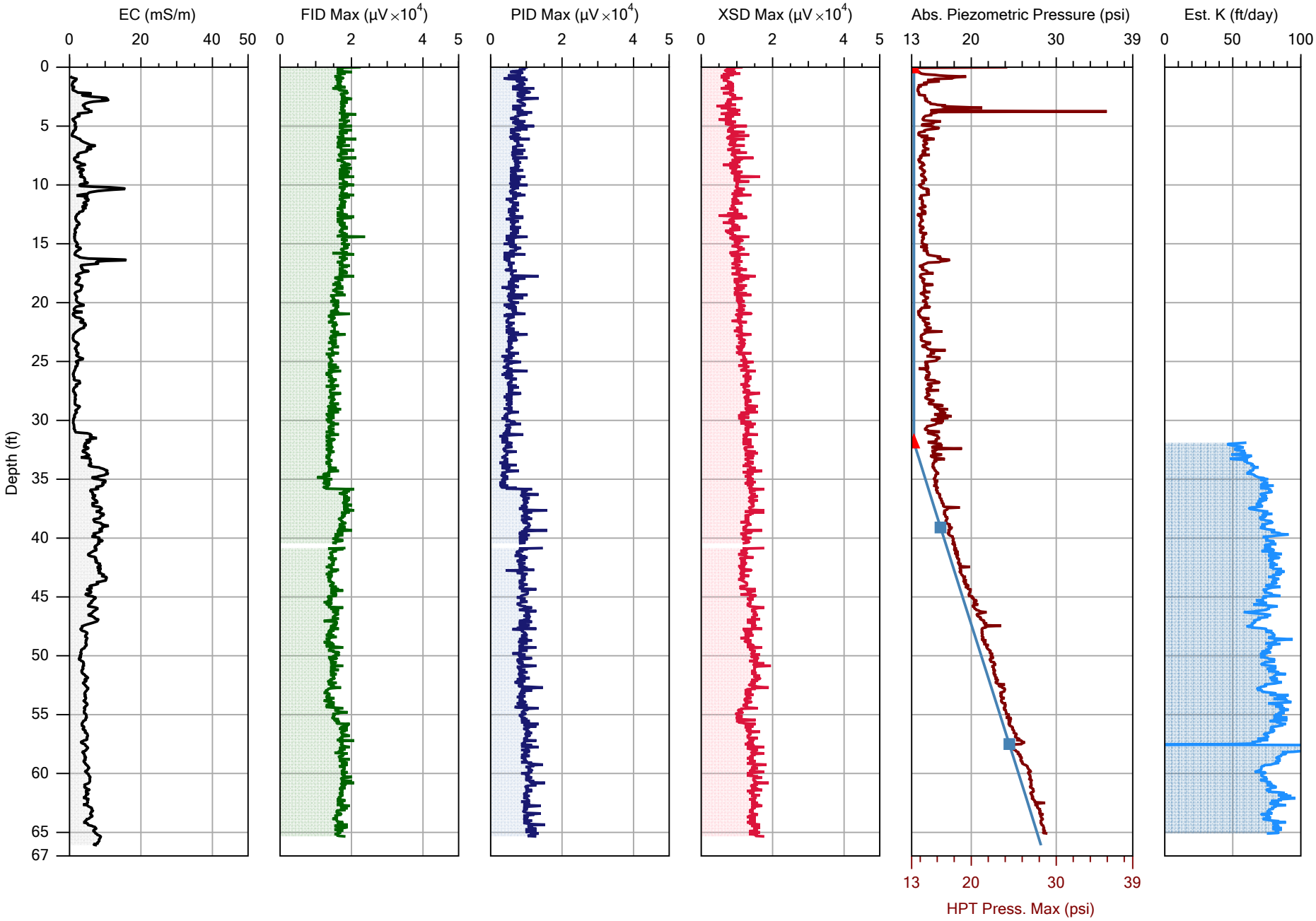
Each MIP log has seven plots of data displayed with depth. The first plot is electrical conductivity in mS/m. The next three plots are the FID, PID and XSD responses in uV. The fifth and sixth plots are an overlay of the HPT maximum pressure and the absolute piezometric pressure, both in psi. Along the absolute piezmetric pressure plot is a red triangle which represents the estimated water table and one or more blue squares which represent the dissipation test locations used to calculate the estimated K. The final plot is the estimated K in ft/day. MiHPT direct sensing logs are provided in Appendix A of this report.

Appendix A: MiHPT Logs



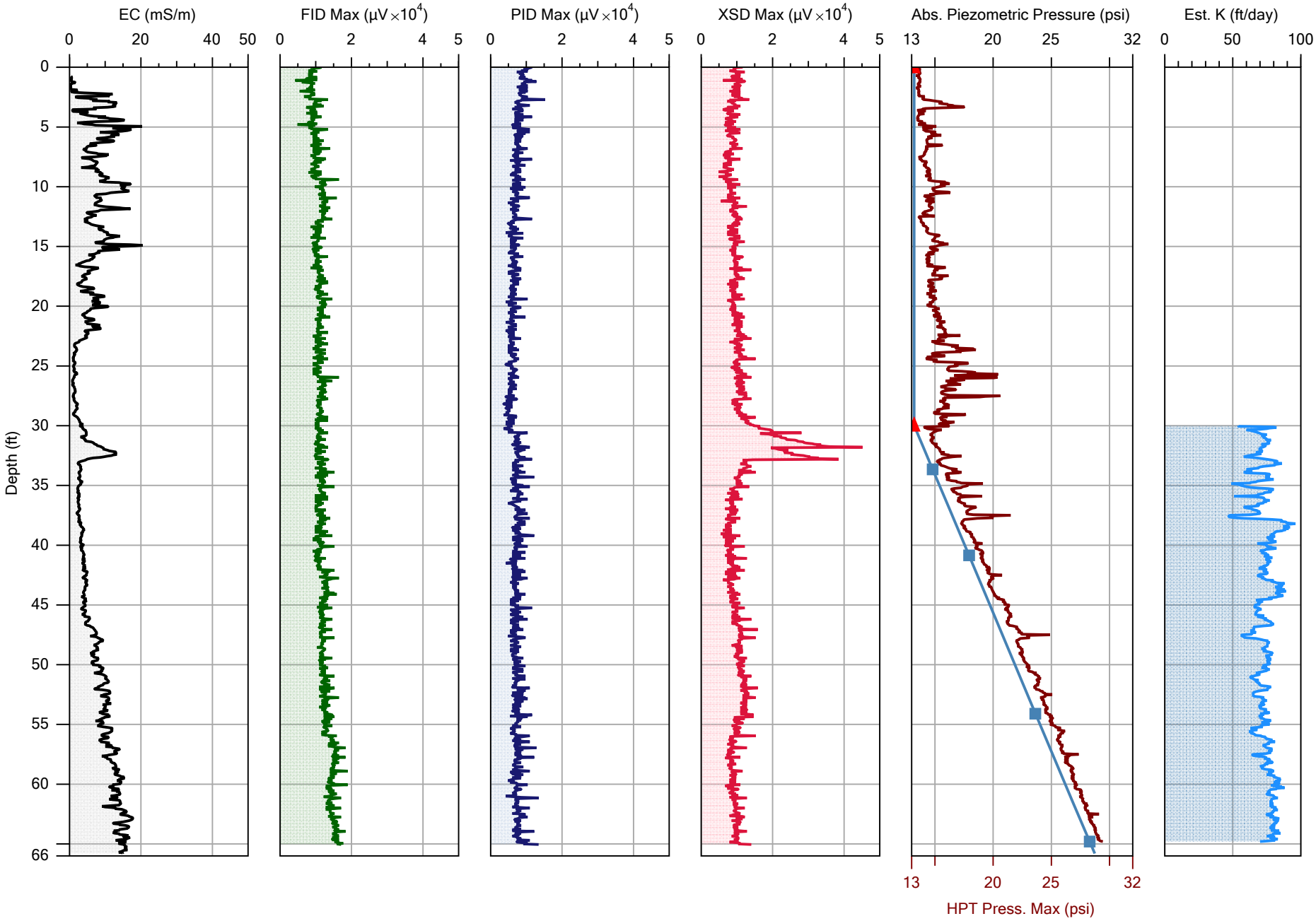
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Project ID: South Shore Outdoor	Client: Sovereign	Location:



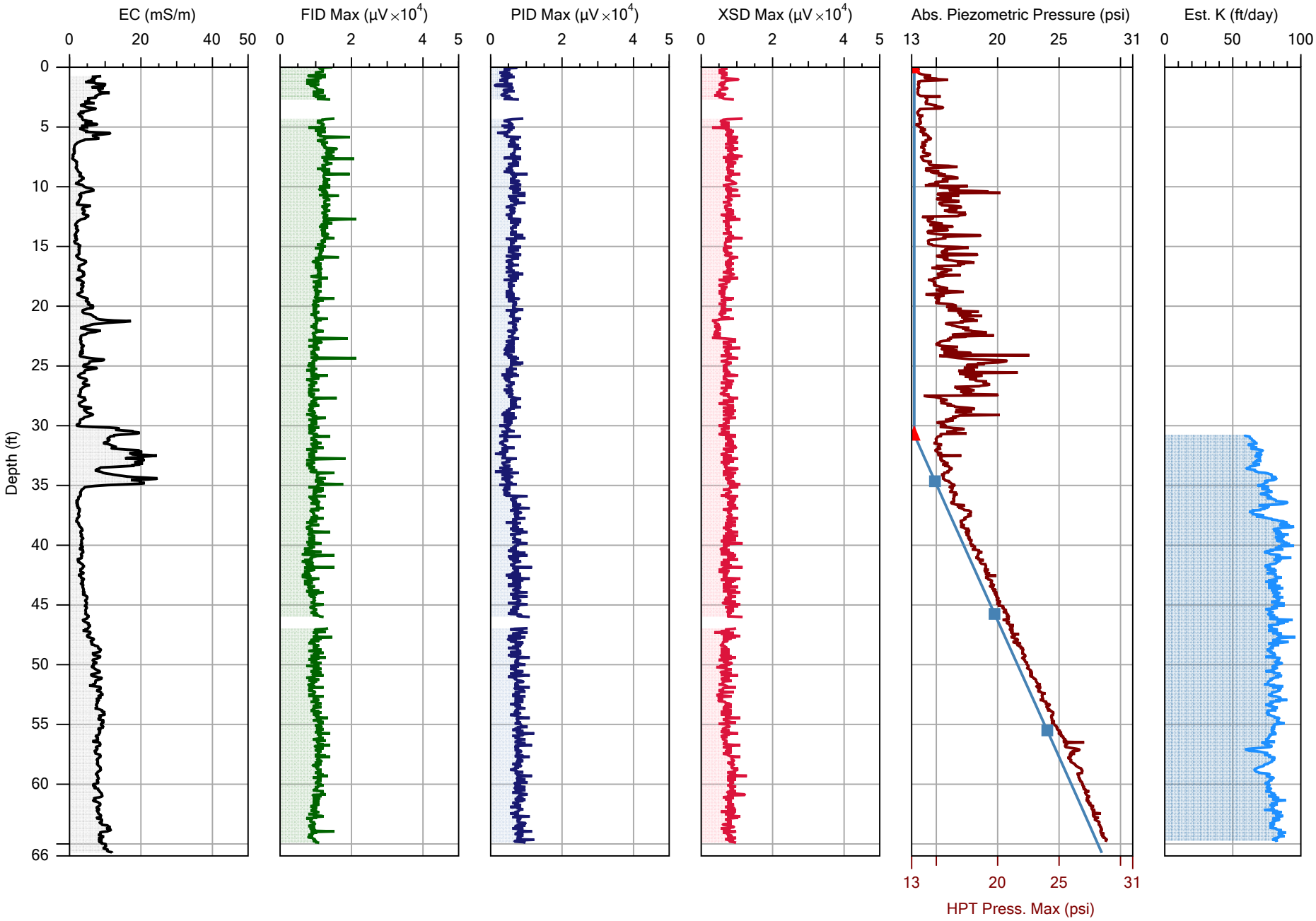
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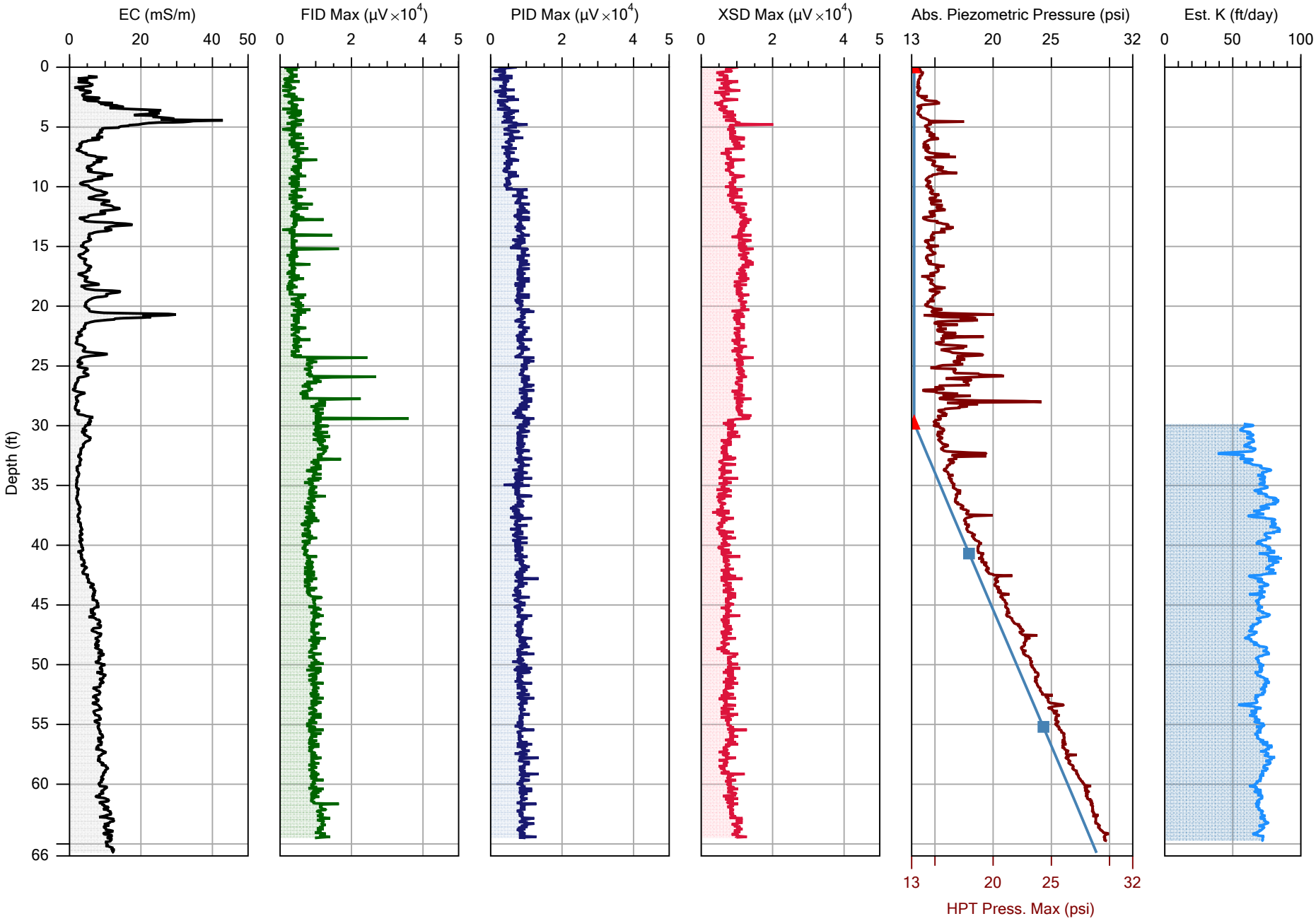
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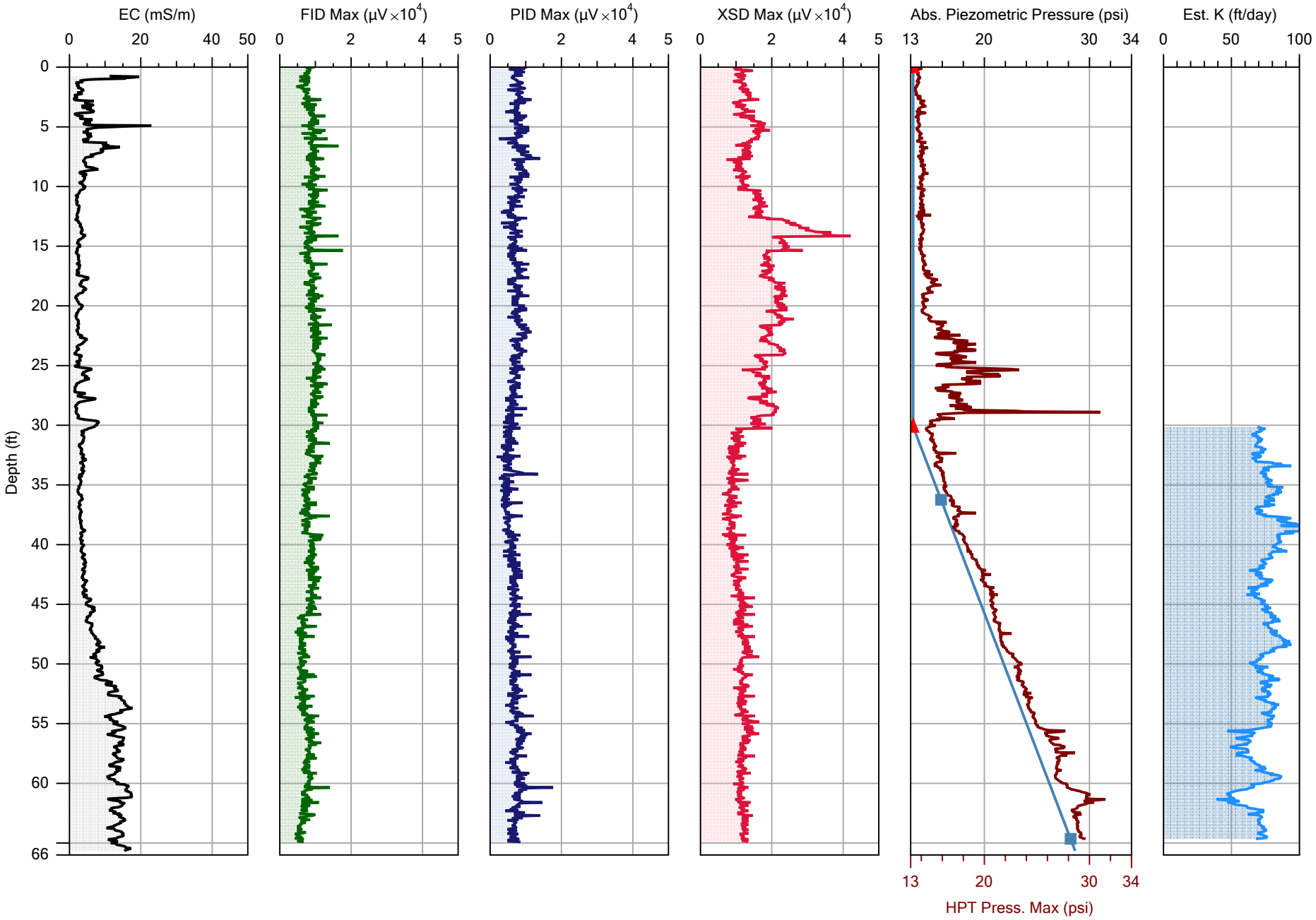
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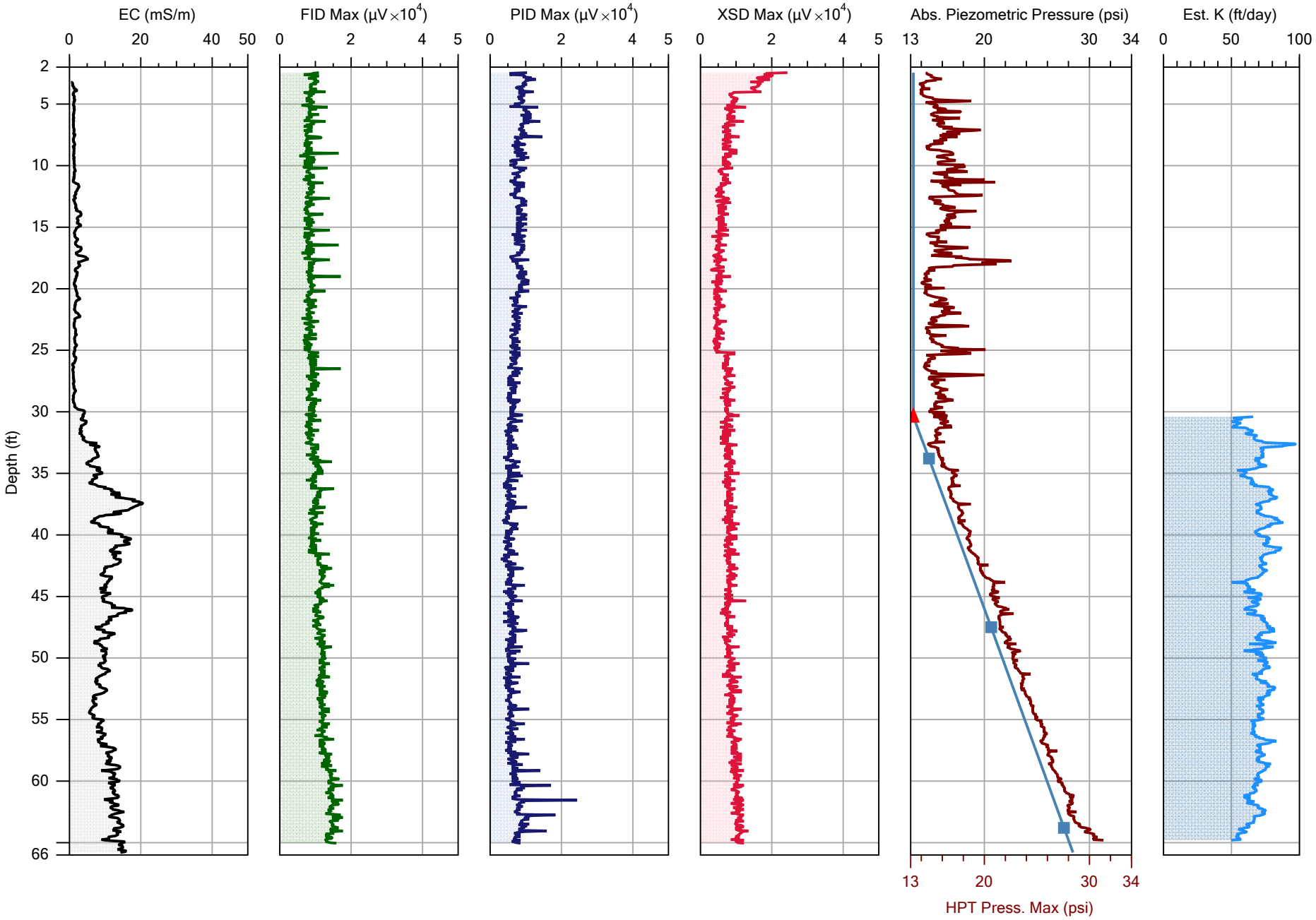
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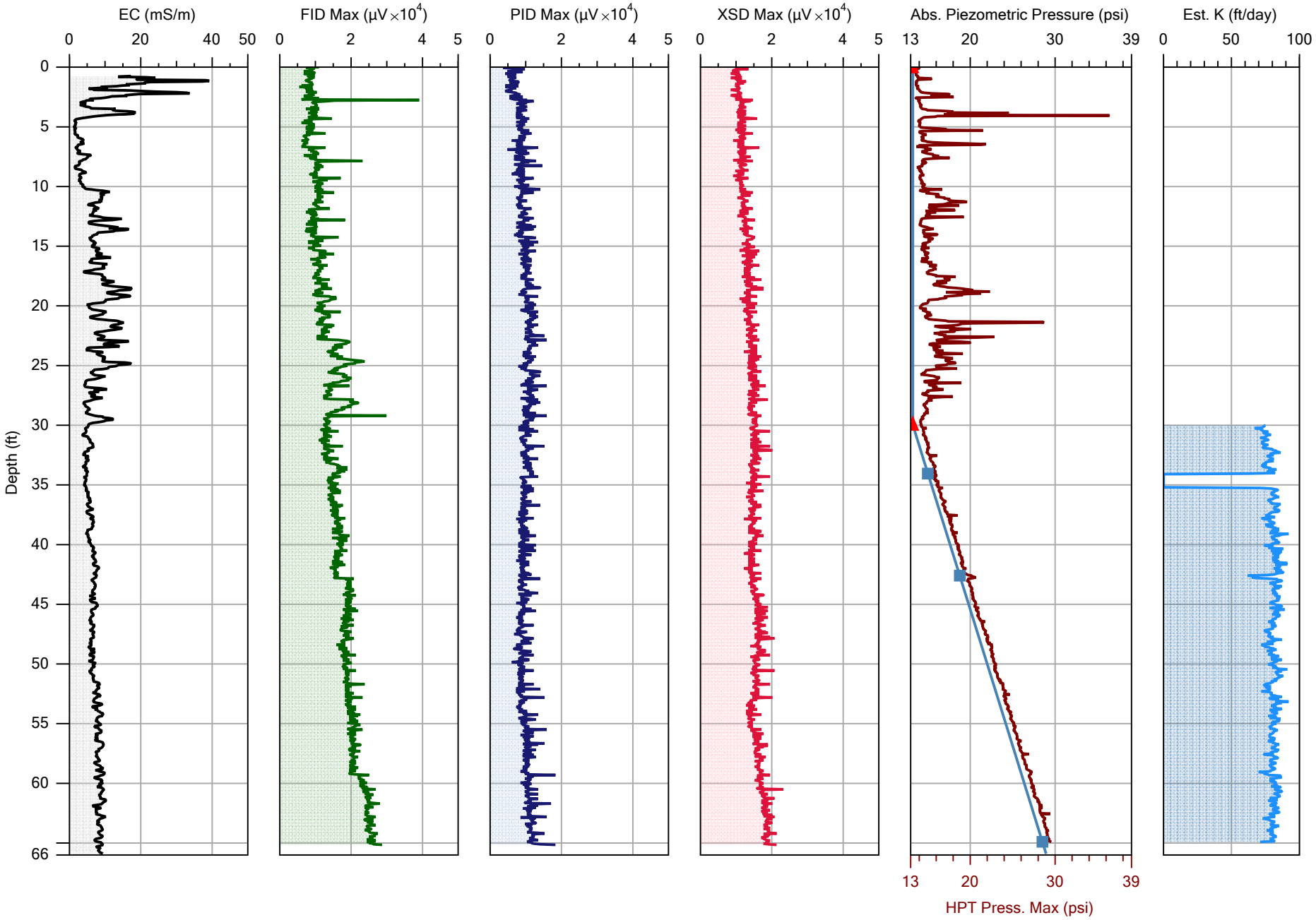
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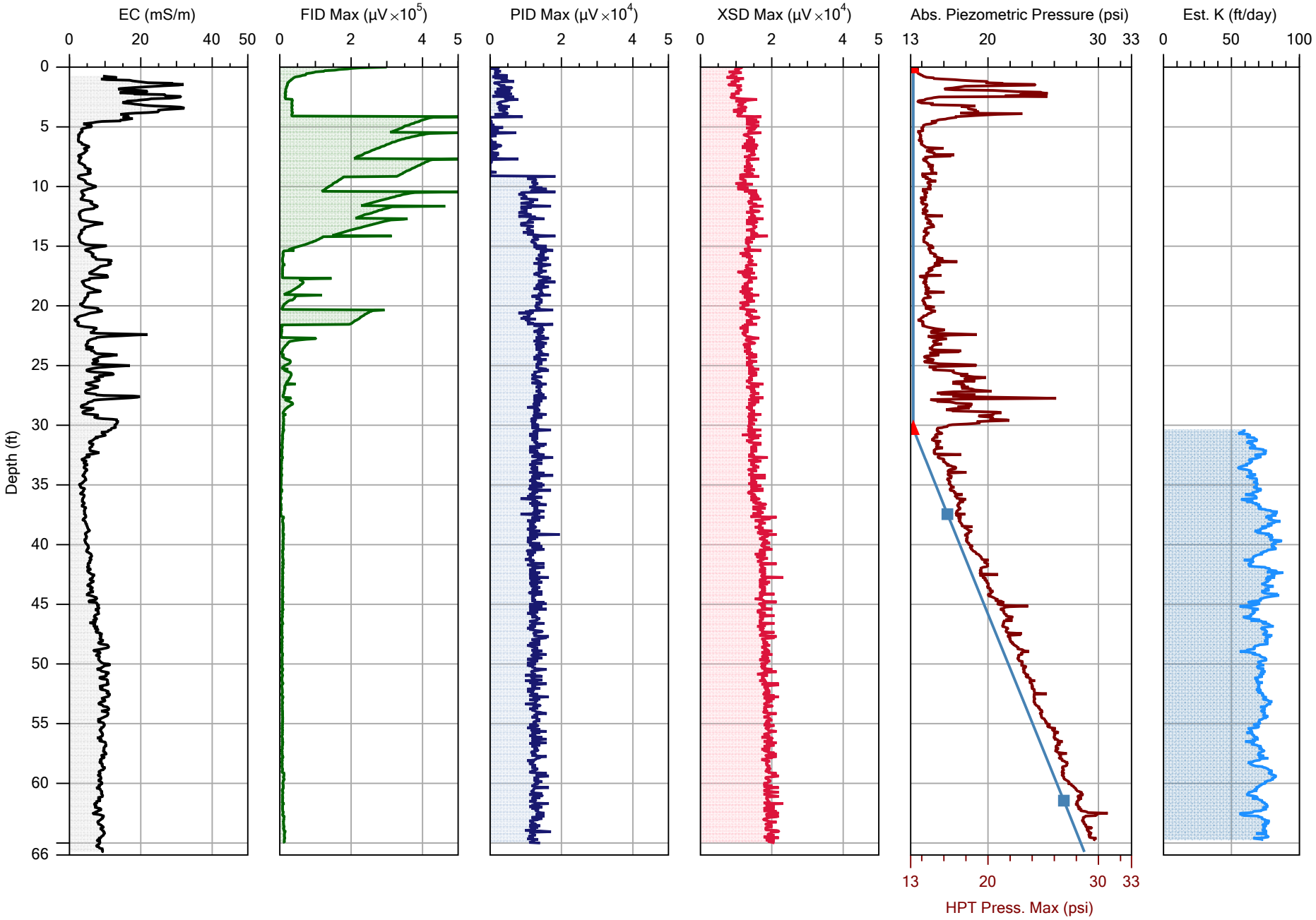
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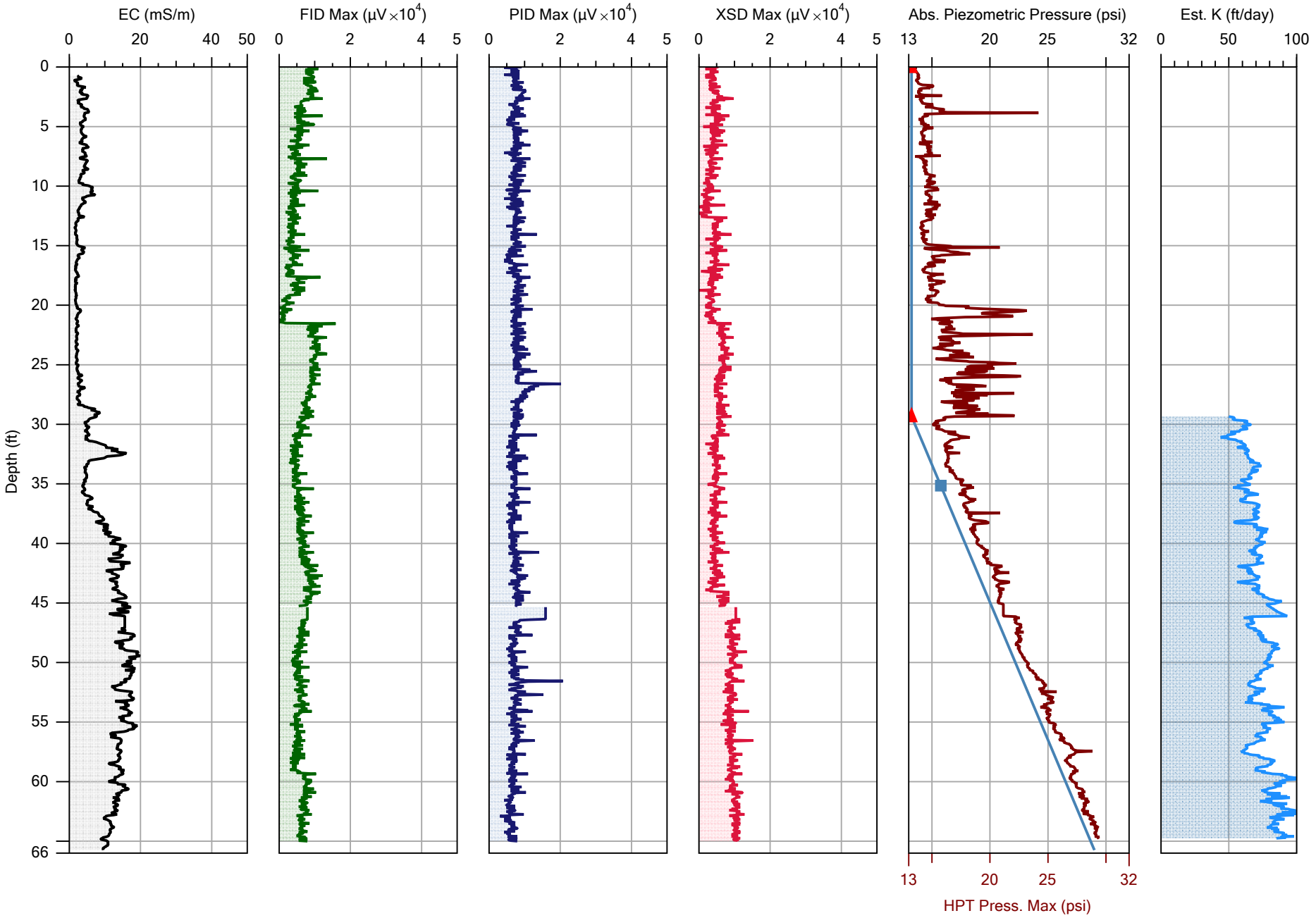
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Project ID: South Shore Outdoor	Client: Sovereign	Location:



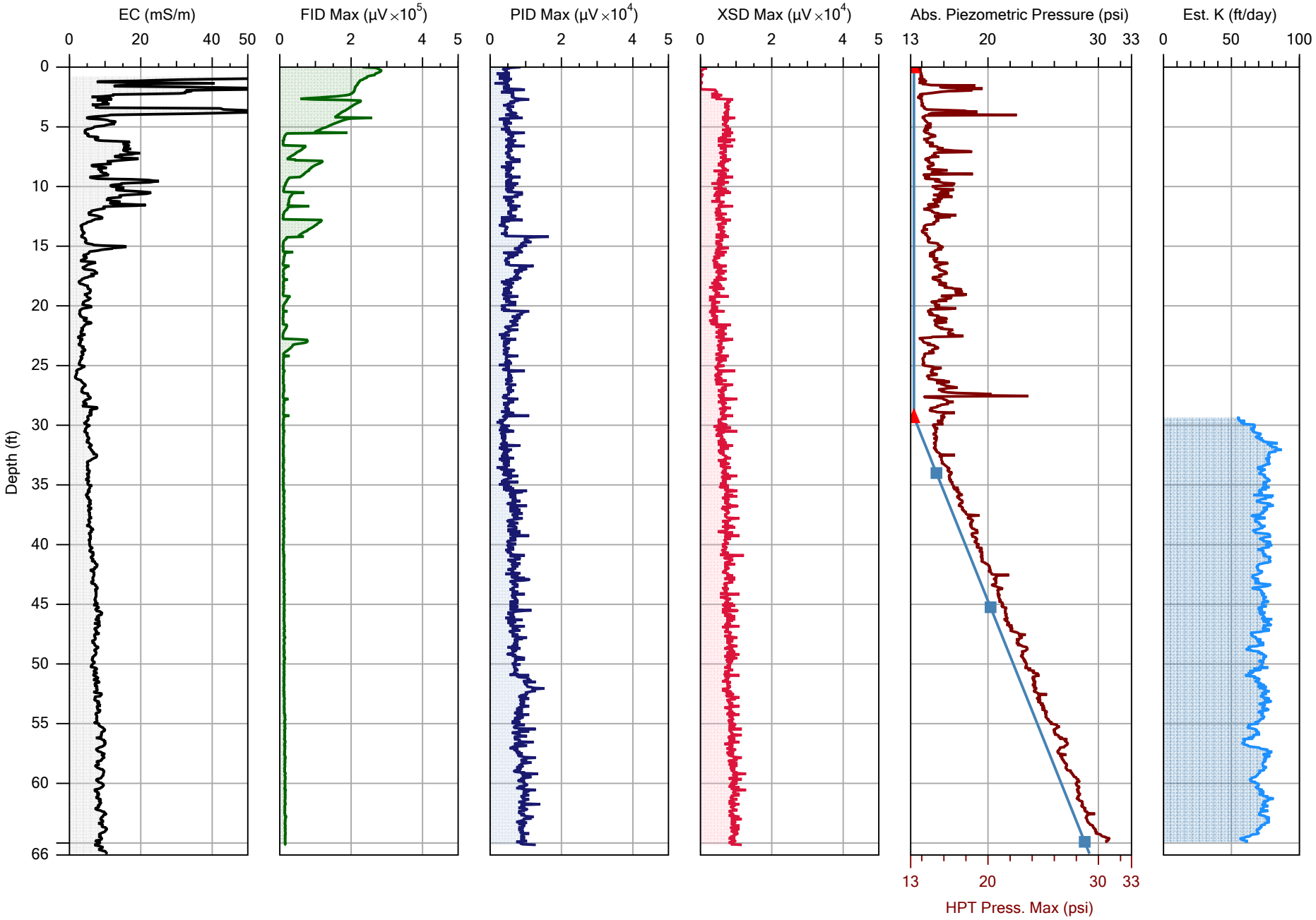
S2C2 inc

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Company: S2C2	Operator: TK	Date: 6/3/2015
Project ID: South Shore Outdoor	Client: Sovereign	Location:



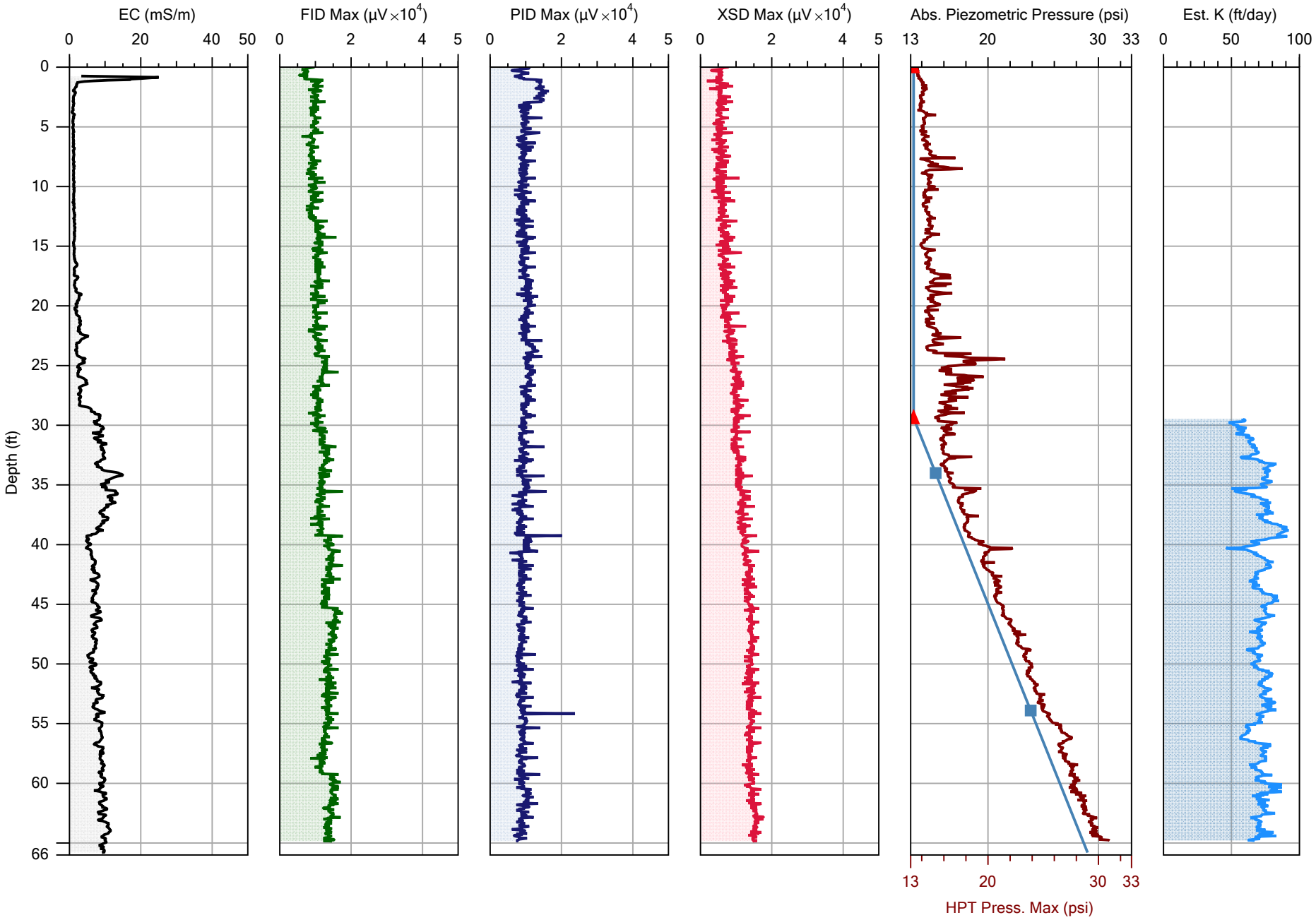
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Company: S2C2	Operator: TK	Date: 6/3/2015
Project ID: South Shore Outdoor	Client: Sovereign	Location:



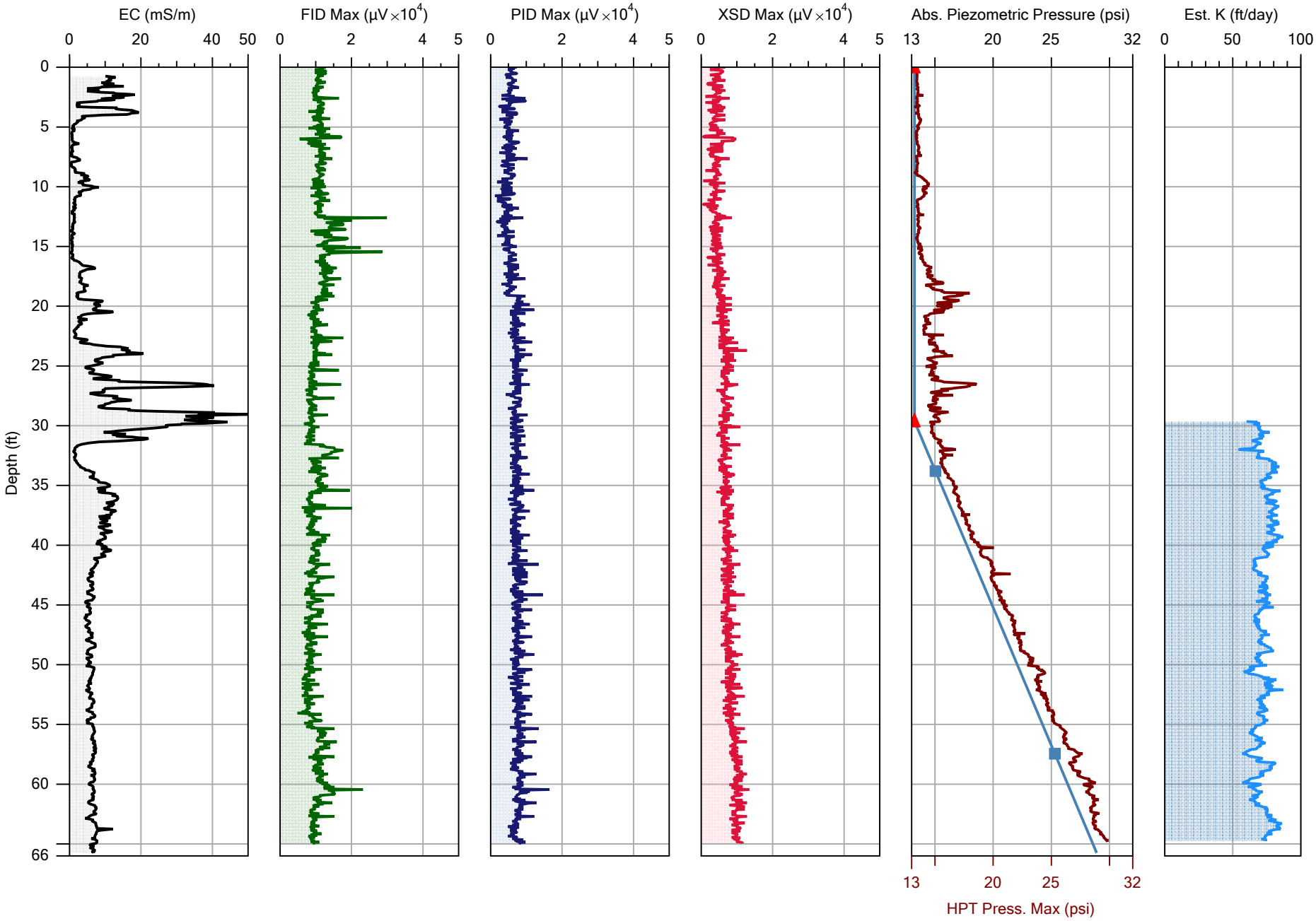
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Company: S2C2	Operator: TK	Date: 6/4/2015
Project ID: South Shore Outdoor	Client: Sovereign	Location:



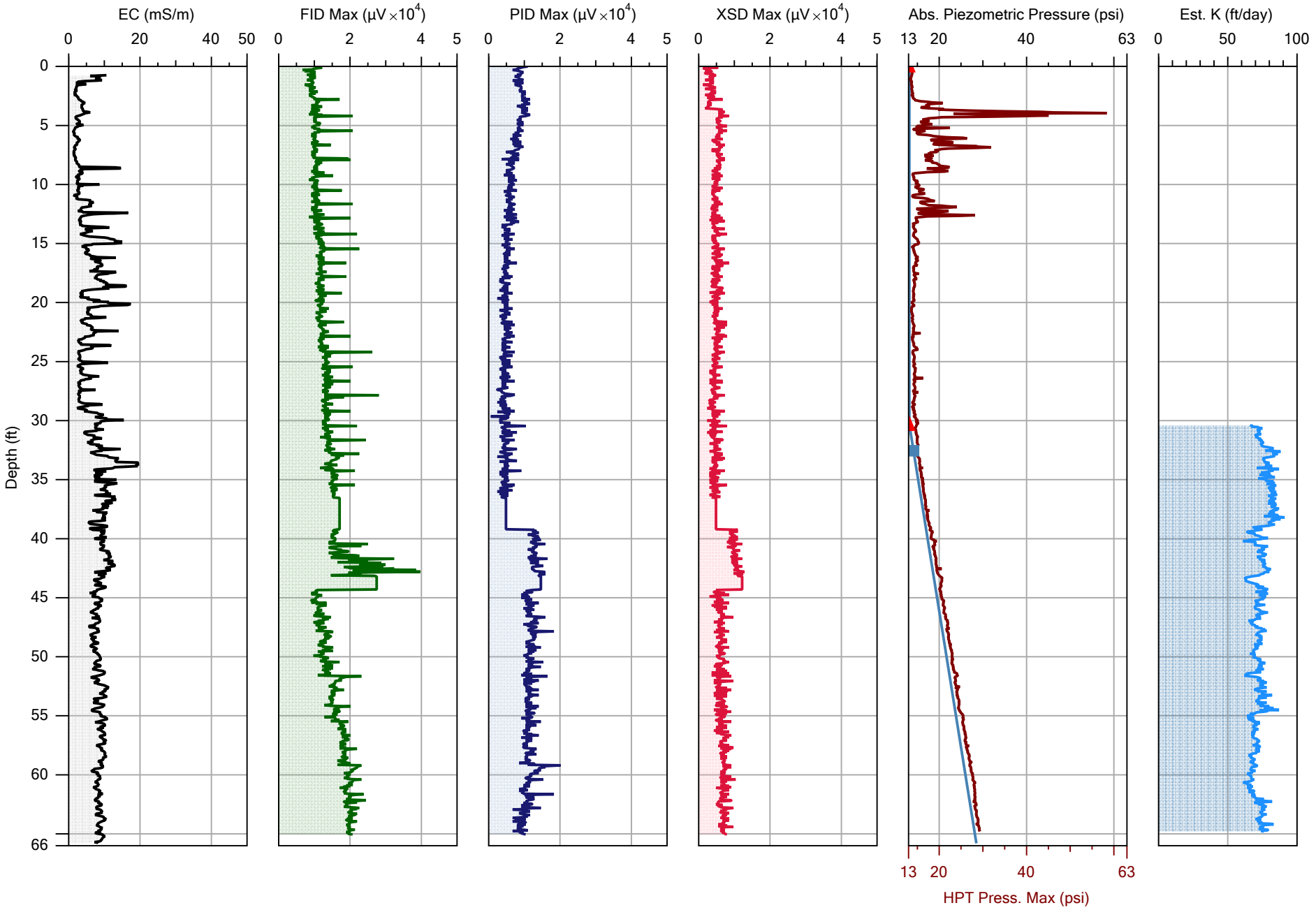
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Company: S2C2	Operator: TK	Date: 6/4/2015
Project ID: South Shore Outdoor	Client: Sovereign	Location:



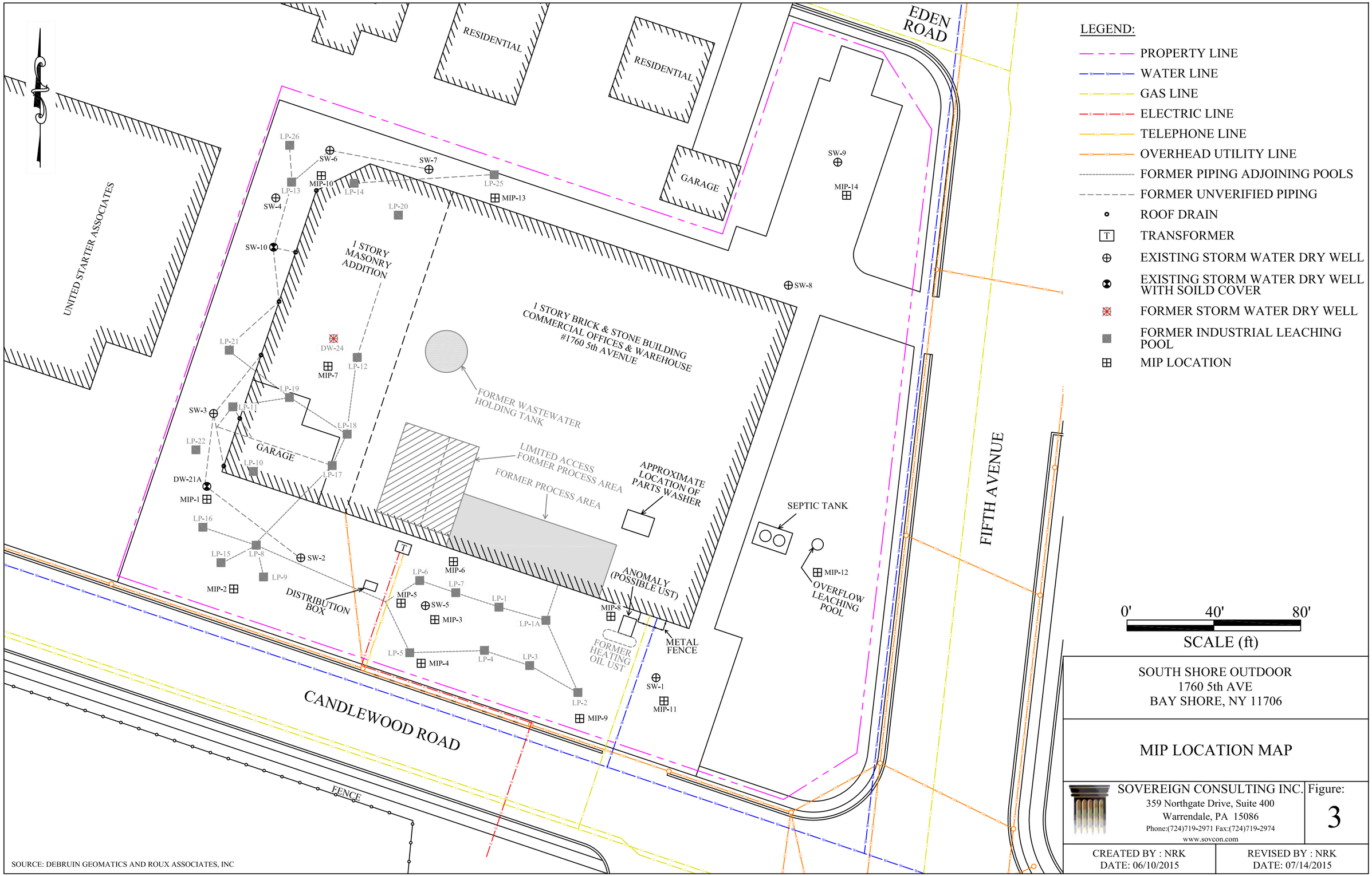
S2C2 inc

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Company: S2C2	Operator: TK	Date: 6/4/2015
Project ID: South Shore Outdoor	Client: Sovereign	Location:



S2C2 inc

		File: MIHPT-14FIX.MHP
Company: S2C2	Operator: TK	Date: 6/5/2015
Project ID: South Shore Outdoor	Client: Sovereign	Location:



SOURCE: DEBRUIN GEOMATICS AND ROUX ASSOCIATES, INC

SOUTH SHORE OUTDOOR
1760 5th AVE
BAY SHORE, NY 11706

MIP LOCATION MAP

SOVEREIGN CONSULTING INC.
359 Northgate Drive, Suite 400
Warrendale, PA 15086
Phone:(724)719-2971 Fax:(724)719-2974
www.sovcon.com

Figure: 3

CREATED BY : NRK
DATE: 06/10/2015

REVISED BY : NRK
DATE: 07/14/2015

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 460-95971-1

Job Description: FD023 First Hartford/South Shore Outdoor

For:
Sovereign Consulting Inc.
1855 New Highway
Suite C
Farmingdale, NY 11735

Attention: Al Tonn



Approved for release.
Allison L Bennett
Project Management Assistant II
6/11/2015 12:14 PM

Designee for
Laura B Snead, Senior Project Manager
777 New Durham Road, Edison, NJ, 08817
(732)549-3900
laura.snead@testamericainc.com
06/11/2015

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Edison Project Manager.

TestAmerica Edison Certifications and Approvals: Connecticut: CTDOH #PH-0200, New Jersey: NJDEP (NELAP) #12028, New York: NYDOH (NELAP) #11452, NYDOH (ELAP) #11452, Pennsylvania: PADEP (NELAP) 68-00522 and Rhode Island: RIDOH LAO00132

Table of Contents

Cover Title Page 1
Report Narrative 3
Executive Summary 4
Method Summary 5
Method / Analyst Summary 6
Sample Summary 7
Sample Results 8
Sample Datasheets 9
Data Qualifiers 15
QC Results 16
Qc Association Summary 17
Surrogate Recovery Report 18
Qc Reports 19
Client Chain of Custody 29
Sample Receipt Checklist 31

CASE NARRATIVE

Client: Sovereign Consulting Inc.

Project: FD023 First Hartford/South Shore Outdoor

Report Number: 460-95971-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 6/5/2015 3:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.2º C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANIC COMPOUNDS

Samples M:HPT#3 30'-33' (460-95971-1) and M:HPT#3 36'-39' (460-95971-2) were analyzed for Volatile Organic Compounds in accordance with EPA SW-846 Methods 8260C. The samples were analyzed on 06/10/2015.

The continuing calibration verification (CCV) associated with batch 460-303880 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane, Methyl acetate and Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 460-304005 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The laboratory control sample (LCS) for batch analytical batch 460-304005 recovered outside control limits for the following analyte: Acetone. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

1,1,1-Trichloroethane failed the recovery criteria low for the MS/MSD of sample M:HPT#3 30'-33'MS/MSD (460-95971-1) in batch 460-304005.

1,4-Dioxane exceeded the RPD limit for the MSD of sample 460-95998-1 in batch 460-303880.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

Sample M:HPT#3 30'-33' (460-95971-1)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the Volatiles analysis.

All other quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: Sovereign Consulting Inc. Job Number: 460-95971-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-95971-1	**M:HPT#3 30'-33'**					
1,1,1-Trichloroethane		3700		10	ug/L	8260C
1,1-Dichloroethane		180		10	ug/L	8260C
1,1-Dichloroethene		4.1	J	10	ug/L	8260C
Trichloroethene		2.9	J	10	ug/L	8260C
460-95971-2	**M:HPT#3 36'-39'**					
1,1,1-Trichloroethane		2.5		1.0	ug/L	8260C
1,1-Dichloroethane		0.34	J	1.0	ug/L	8260C
Trichloroethene		0.74	J	1.0	ug/L	8260C

METHOD SUMMARY

Client: Sovereign Consulting Inc. Job Number: 460-95971-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds by GC/MS	TAL EDI	SW846 8260C	
Purge and Trap	TAL EDI		SW846 5030C

Lab References:

TAL EDI = TestAmerica Edison

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Sovereign Consulting Inc. Job Number: 460-95971-1

Method	Analyst	Analyst ID
SW846 8260C	Moroney, Christopher J	CJM

SAMPLE SUMMARY

Client: Sovereign Consulting Inc. Job Number: 460-95971-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-95971-1	M:HPT#3 30'-33'	Water	06/05/2015 1105	06/05/2015 1500
460-95971-2	M:HPT#3 36'-39'	Water	06/05/2015 1145	06/05/2015 1500

SAMPLE RESULTS

Client: Sovereign Consulting Inc. Job Number: 460-95971-1

Client Sample ID: **M:HPT#3 30'-33'**

Lab Sample ID: 460-95971-1 Date Sampled: 06/05/2015 1105
Client Matrix: Water Date Received: 06/05/2015 1500

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-304005	Instrument ID:	CVOAMS5
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	E42036.D
Dilution:	10			Initial Weight/Volume:	5 mL
Analysis Date:	06/10/2015 1257			Final Weight/Volume:	5 mL
Prep Date:	06/10/2015 1257				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	3700		2.8	10
1,1,2,2-Tetrachloroethane	1.9	U	1.9	10
1,1,2-Trichloro-1,2,2-trifluoroethane	3.4	U	3.4	10
1,1,2-Trichloroethane	0.80	U	0.80	10
1,1-Dichloroethane	180		2.4	10
1,1-Dichloroethene	4.1	J	3.4	10
1,2,3-Trichlorobenzene	3.5	U	3.5	10
1,2,4-Trichlorobenzene	2.7	U	2.7	10
1,2-Dichloropropane	1.8	U	1.8	10
1,3-Dichlorobenzene	3.3	U	3.3	10
1,4-Dichlorobenzene	3.3	U	3.3	10
1,4-Dioxane	87	U	87	500
2-Butanone (MEK)	22	U	22	50
2-Hexanone	7.2	U	7.2	50
4-Methyl-2-pentanone (MIBK)	6.3	U	6.3	50
Acetone	11	U *	11	50
Benzene	0.90	U	0.90	10
Bromoform	1.8	U	1.8	10
Bromomethane	1.8	U	1.8	10
Carbon disulfide	2.2	U	2.2	10
Carbon tetrachloride	3.3	U	3.3	10
Chlorobenzene	2.4	U	2.4	10
Chlorobromomethane	3.0	U	3.0	10
Chlorodibromomethane	2.2	U	2.2	10
Chloroethane	3.7	U	3.7	10
Chloroform	2.2	U	2.2	10
Chloromethane	2.2	U	2.2	10
cis-1,2-Dichloroethene	2.6	U	2.6	10
cis-1,3-Dichloropropene	1.6	U	1.6	10
Cyclohexane	2.6	U	2.6	10
Dichlorobromomethane	1.5	U	1.5	10
Dichlorodifluoromethane	1.4	U	1.4	10
Ethylbenzene	3.0	U	3.0	10
Ethylene Dibromide	1.9	U	1.9	10
Isopropylbenzene	3.2	U	3.2	10
Methyl acetate	5.8	U	5.8	50
Methyl tert-butyl ether	1.3	U	1.3	10
Methylcyclohexane	2.2	U	2.2	10
Methylene Chloride	2.1	U	2.1	10
m-Xylene & p-Xylene	2.8	U	2.8	10
o-Xylene	3.2	U	3.2	10
Styrene	1.7	U	1.7	10
Tetrachloroethene	1.2	U	1.2	10
Toluene	2.5	U	2.5	10
trans-1,2-Dichloroethene	1.8	U	1.8	10
trans-1,3-Dichloropropene	1.9	U	1.9	10

Client: Sovereign Consulting Inc. Job Number: 460-95971-1

Client Sample ID: **M:HPT#3 30'-33'**

Lab Sample ID: 460-95971-1 Date Sampled: 06/05/2015 1105
Client Matrix: Water Date Received: 06/05/2015 1500

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-304005	Instrument ID:	CVOAMS5
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	E42036.D
Dilution:	10			Initial Weight/Volume:	5 mL
Analysis Date:	06/10/2015 1257			Final Weight/Volume:	5 mL
Prep Date:	06/10/2015 1257				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Trichloroethene	2.9	J	2.2	10
Trichlorofluoromethane	1.5	U	1.5	10
Vinyl chloride	0.60	U	0.60	10
1,2-Dichloroethane	2.5	U	2.5	10
1,2-Dichlorobenzene	2.2	U	2.2	10
1,2-Dibromo-3-Chloropropane	2.3	U	2.3	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		70 - 130
4-Bromofluorobenzene	99		64 - 135
Dibromofluoromethane (Surr)	106		72 - 137
Toluene-d8 (Surr)	101		70 - 130

Client: Sovereign Consulting Inc. Job Number: 460-95971-1

Client Sample ID: **M:HPT#3 30'-33'**

Lab Sample ID: 460-95971-1 Date Sampled: 06/05/2015 1105
Client Matrix: Water Date Received: 06/05/2015 1500

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-304005	Instrument ID:	CVOAMS5
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	E42036.D
Dilution:	10			Initial Weight/Volume:	5 mL
Analysis Date:	06/10/2015 1257			Final Weight/Volume:	5 mL
Prep Date:	06/10/2015 1257				

Tentatively Identified Compounds **Number TIC's Found: 0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Sovereign Consulting Inc. Job Number: 460-95971-1

Client Sample ID: **M:HPT#3 36'-39'**

Lab Sample ID: 460-95971-2 Date Sampled: 06/05/2015 1145
Client Matrix: Water Date Received: 06/05/2015 1500

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-303880	Instrument ID:	CVOAMS5
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	E42017.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/10/2015 0420			Final Weight/Volume:	5 mL
Prep Date:	06/10/2015 0420				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	2.5		0.28	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U	0.34	1.0
1,1,2-Trichloroethane	0.080	U	0.080	1.0
1,1-Dichloroethane	0.34	J	0.24	1.0
1,1-Dichloroethene	0.34	U	0.34	1.0
1,2,3-Trichlorobenzene	0.35	U	0.35	1.0
1,2,4-Trichlorobenzene	0.27	U	0.27	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichlorobenzene	0.33	U	0.33	1.0
1,4-Dichlorobenzene	0.33	U	0.33	1.0
1,4-Dioxane	8.7	U	8.7	50
2-Butanone (MEK)	2.2	U	2.2	5.0
2-Hexanone	0.72	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	0.63	U	0.63	5.0
Acetone	1.1	U	1.1	5.0
Benzene	0.090	U	0.090	1.0
Bromoform	0.18	U	0.18	1.0
Bromomethane	0.18	U	0.18	1.0
Carbon disulfide	0.22	U	0.22	1.0
Carbon tetrachloride	0.33	U	0.33	1.0
Chlorobenzene	0.24	U	0.24	1.0
Chlorobromomethane	0.30	U	0.30	1.0
Chlorodibromomethane	0.22	U	0.22	1.0
Chloroethane	0.37	U	0.37	1.0
Chloroform	0.22	U	0.22	1.0
Chloromethane	0.22	U	0.22	1.0
cis-1,2-Dichloroethene	0.26	U	0.26	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
Cyclohexane	0.26	U	0.26	1.0
Dichlorobromomethane	0.15	U	0.15	1.0
Dichlorodifluoromethane	0.14	U	0.14	1.0
Ethylbenzene	0.30	U	0.30	1.0
Ethylene Dibromide	0.19	U	0.19	1.0
Isopropylbenzene	0.32	U	0.32	1.0
Methyl acetate	0.58	U	0.58	5.0
Methyl tert-butyl ether	0.13	U	0.13	1.0
Methylcyclohexane	0.22	U	0.22	1.0
Methylene Chloride	0.21	U	0.21	1.0
m-Xylene & p-Xylene	0.28	U	0.28	1.0
o-Xylene	0.32	U	0.32	1.0
Styrene	0.17	U	0.17	1.0
Tetrachloroethene	0.12	U	0.12	1.0
Toluene	0.25	U	0.25	1.0
trans-1,2-Dichloroethene	0.18	U	0.18	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0

Client: Sovereign Consulting Inc. Job Number: 460-95971-1

Client Sample ID: **M:HPT#3 36'-39'**

Lab Sample ID: 460-95971-2 Date Sampled: 06/05/2015 1145
Client Matrix: Water Date Received: 06/05/2015 1500

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-303880	Instrument ID:	CVOAMS5
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	E42017.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/10/2015 0420			Final Weight/Volume:	5 mL
Prep Date:	06/10/2015 0420				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Trichloroethene	0.74	J	0.22	1.0
Trichlorofluoromethane	0.15	U	0.15	1.0
Vinyl chloride	0.060	U	0.060	1.0
1,2-Dichloroethane	0.25	U	0.25	1.0
1,2-Dichlorobenzene	0.22	U	0.22	1.0
1,2-Dibromo-3-Chloropropane	0.23	U	0.23	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		70 - 130
4-Bromofluorobenzene	95		64 - 135
Dibromofluoromethane (Surr)	100		72 - 137
Toluene-d8 (Surr)	98		70 - 130

Client: Sovereign Consulting Inc. Job Number: 460-95971-1

Client Sample ID: **M:HPT#3 36'-39'**

Lab Sample ID: 460-95971-2 Date Sampled: 06/05/2015 1145
Client Matrix: Water Date Received: 06/05/2015 1500

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-303880	Instrument ID:	CVOAMS5
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	E42017.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/10/2015 0420			Final Weight/Volume:	5 mL
Prep Date:	06/10/2015 0420				

Tentatively Identified Compounds **Number TIC's Found: 0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

DATA REPORTING QUALIFIERS

Client: Sovereign Consulting Inc. Job Number: 460-95971-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Indicates the analyte was analyzed for but not detected.
	*	LCS or LCSD is outside acceptance limits.
	4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Client: Sovereign Consulting Inc. Job Number: 460-95971-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:460-303880					
LCS 460-303880/3	Lab Control Sample	T	Water	8260C	
MB 460-303880/6	Method Blank	T	Water	8260C	
460-95971-2	M:HPT#3 36'-39'	T	Water	8260C	
Analysis Batch:460-304005					
LCS 460-304005/3	Lab Control Sample	T	Water	8260C	
MB 460-304005/6	Method Blank	T	Water	8260C	
460-95971-1	M:HPT#3 30'-33'	T	Water	8260C	
460-95971-1MS	Matrix Spike	T	Water	8260C	
460-95971-1MSD	Matrix Spike Duplicate	T	Water	8260C	

Report Basis
T = Total

Client: Sovereign Consulting Inc. Job Number: 460-95971-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
460-95971-1	M:HPT#3 30'-33'	105	99	106	101
460-95971-2	M:HPT#3 36'-39'	99	95	100	98
MB 460-303880/6		101	95	100	97
MB 460-304005/6		98	95	97	98
LCS 460-303880/3		94	95	98	94
LCS 460-304005/3		88	92	91	92
460-95971-1 MS	M:HPT#3 30'-33' MS	93	94	96	95
460-95971-1 MSD	M:HPT#3 30'-33' MSD	97	95	99	97

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
BFB = 4-Bromofluorobenzene	64-135
DBFM = Dibromofluoromethane (Surr)	72-137
TOL = Toluene-d8 (Surr)	70-130

Client: Sovereign Consulting Inc. Job Number: 460-95971-1

Method Blank - Batch: 460-303880

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 460-303880/6	Analysis Batch:	460-303880	Instrument ID:	CVOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E42008.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/10/2015 0007	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	06/10/2015 0007				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	0.28	U	0.28	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U	0.34	1.0
1,1,2-Trichloroethane	0.080	U	0.080	1.0
1,1-Dichloroethane	0.24	U	0.24	1.0
1,1-Dichloroethene	0.34	U	0.34	1.0
1,2,3-Trichlorobenzene	0.35	U	0.35	1.0
1,2,4-Trichlorobenzene	0.27	U	0.27	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichlorobenzene	0.33	U	0.33	1.0
1,4-Dichlorobenzene	0.33	U	0.33	1.0
1,4-Dioxane	8.7	U	8.7	50
2-Butanone (MEK)	2.2	U	2.2	5.0
2-Hexanone	0.72	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	0.63	U	0.63	5.0
Acetone	1.1	U	1.1	5.0
Benzene	0.090	U	0.090	1.0
Bromoform	0.18	U	0.18	1.0
Bromomethane	0.18	U	0.18	1.0
Carbon disulfide	0.22	U	0.22	1.0
Carbon tetrachloride	0.33	U	0.33	1.0
Chlorobenzene	0.24	U	0.24	1.0
Chlorobromomethane	0.30	U	0.30	1.0
Chlorodibromomethane	0.22	U	0.22	1.0
Chloroethane	0.37	U	0.37	1.0
Chloroform	0.22	U	0.22	1.0
Chloromethane	0.22	U	0.22	1.0
cis-1,2-Dichloroethene	0.26	U	0.26	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
Cyclohexane	0.26	U	0.26	1.0
Dichlorobromomethane	0.15	U	0.15	1.0
Dichlorodifluoromethane	0.14	U	0.14	1.0
Ethylbenzene	0.30	U	0.30	1.0
Ethylene Dibromide	0.19	U	0.19	1.0
Isopropylbenzene	0.32	U	0.32	1.0
Methyl acetate	0.58	U	0.58	5.0
Methyl tert-butyl ether	0.13	U	0.13	1.0
Methylcyclohexane	0.22	U	0.22	1.0
Methylene Chloride	0.21	U	0.21	1.0
m-Xylene & p-Xylene	0.28	U	0.28	1.0
o-Xylene	0.32	U	0.32	1.0
Styrene	0.17	U	0.17	1.0
Tetrachloroethene	0.12	U	0.12	1.0
Toluene	0.25	U	0.25	1.0
trans-1,2-Dichloroethene	0.18	U	0.18	1.0

Client: Sovereign Consulting Inc. Job Number: 460-95971-1

Method Blank - Batch: 460-303880

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 460-303880/6	Analysis Batch:	460-303880	Instrument ID:	CVOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E42008.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/10/2015 0007	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	06/10/2015 0007				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
Trichloroethene	0.22	U	0.22	1.0
Trichlorofluoromethane	0.15	U	0.15	1.0
Vinyl chloride	0.060	U	0.060	1.0
1,2-Dichloroethane	0.25	U	0.25	1.0
1,2-Dichlorobenzene	0.22	U	0.22	1.0
1,2-Dibromo-3-Chloropropane	0.23	U	0.23	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101	70 - 130
4-Bromofluorobenzene	95	64 - 135
Dibromofluoromethane (Surr)	100	72 - 137
Toluene-d8 (Surr)	97	70 - 130

Method Blank TICs- Batch: 460-303880

Cas Number	Analyte	RT	Est. Result (ug/	Qual
	Tentatively Identified Compound		None	

Client: Sovereign Consulting Inc. Job Number: 460-95971-1

Lab Control Sample - Batch: 460-303880

Method: 8260C
Preparation: 5030C

Lab Sample ID:	LCS 460-303880/3	Analysis Batch:	460-303880	Instrument ID:	CVOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E42005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/09/2015 2238	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	06/09/2015 2238				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	20.0	18.6	93	73 - 134	
1,1,2,2-Tetrachloroethane	20.0	19.2	96	55 - 133	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	20.3	101	60 - 144	
1,1,2-Trichloroethane	20.0	19.3	96	68 - 121	
1,1-Dichloroethane	20.0	19.6	98	75 - 126	
1,1-Dichloroethene	20.0	18.8	94	71 - 123	
1,2,3-Trichlorobenzene	20.0	20.1	101	72 - 135	
1,2,4-Trichlorobenzene	20.0	20.4	102	76 - 129	
1,2-Dichloropropane	20.0	19.5	97	70 - 120	
1,3-Dichlorobenzene	20.0	19.3	96	75 - 120	
1,4-Dichlorobenzene	20.0	18.6	93	75 - 120	
1,4-Dioxane	400	442	110	46 - 150	
2-Butanone (MEK)	100	101	101	52 - 140	
2-Hexanone	100	108	108	49 - 131	
4-Methyl-2-pentanone (MIBK)	100	98.8	99	56 - 132	
Acetone	100	129	129	26 - 150	
Benzene	20.0	18.9	95	69 - 125	
Bromoform	20.0	16.8	84	50 - 134	
Bromomethane	20.0	20.0	100	27 - 150	
Carbon disulfide	20.0	18.0	90	61 - 126	
Carbon tetrachloride	20.0	17.9	89	58 - 150	
Chlorobenzene	20.0	18.4	92	77 - 120	
Chlorobromomethane	20.0	19.4	97	70 - 134	
Chlorodibromomethane	20.0	19.0	95	63 - 131	
Chloroethane	20.0	14.7	73	58 - 145	
Chloroform	20.0	19.2	96	81 - 122	
Chloromethane	20.0	19.0	95	43 - 145	
cis-1,2-Dichloroethene	20.0	19.4	97	78 - 121	
cis-1,3-Dichloropropene	20.0	19.2	96	71 - 120	
Cyclohexane	20.0	19.7	98	62 - 135	
Dichlorobromomethane	20.0	19.1	96	72 - 123	
Dichlorodifluoromethane	20.0	19.1	95	40 - 150	
Ethylbenzene	20.0	18.6	93	74 - 120	
Ethylene Dibromide	20.0	18.5	93	77 - 117	
Isopropylbenzene	20.0	19.1	96	74 - 127	
Methyl acetate	100	113	113	62 - 140	
Methyl tert-butyl ether	20.0	19.7	99	73 - 125	
Methylcyclohexane	20.0	20.7	104	64 - 136	
Methylene Chloride	20.0	19.8	99	76 - 123	
m-Xylene & p-Xylene	20.0	19.1	95	78 - 119	
o-Xylene	20.0	18.8	94	79 - 120	

Client: Sovereign Consulting Inc. Job Number: 460-95971-1

Lab Control Sample - Batch: 460-303880

Method: 8260C
Preparation: 5030C

Lab Sample ID:	LCS 460-303880/3	Analysis Batch:	460-303880	Instrument ID:	CVOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E42005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/09/2015 2238	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	06/09/2015 2238				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Styrene	20.0	19.7	99	76 - 120	
Tetrachloroethene	20.0	18.2	91	70 - 136	
Toluene	20.0	18.2	91	78 - 120	
trans-1,2-Dichloroethene	20.0	18.4	92	79 - 120	
trans-1,3-Dichloropropene	20.0	19.7	98	71 - 123	
Trichloroethene	20.0	17.9	90	74 - 120	
Trichlorofluoromethane	20.0	21.1	105	65 - 142	
Vinyl chloride	20.0	19.4	97	56 - 137	
1,2-Dichloroethane	20.0	19.2	96	75 - 127	
1,2-Dichlorobenzene	20.0	18.8	94	81 - 120	
1,2-Dibromo-3-Chloropropane	20.0	19.3	96	53 - 136	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94	70 - 130
4-Bromofluorobenzene	95	64 - 135
Dibromofluoromethane (Surr)	98	72 - 137
Toluene-d8 (Surr)	94	70 - 130

Client: Sovereign Consulting Inc. Job Number: 460-95971-1

Method Blank - Batch: 460-304005

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 460-304005/6	Analysis Batch:	460-304005	Instrument ID:	CVOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E42034.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/10/2015 1200	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	06/10/2015 1200				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	0.28	U	0.28	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U	0.34	1.0
1,1,2-Trichloroethane	0.080	U	0.080	1.0
1,1-Dichloroethane	0.24	U	0.24	1.0
1,1-Dichloroethene	0.34	U	0.34	1.0
1,2,3-Trichlorobenzene	0.35	U	0.35	1.0
1,2,4-Trichlorobenzene	0.27	U	0.27	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichlorobenzene	0.33	U	0.33	1.0
1,4-Dichlorobenzene	0.33	U	0.33	1.0
1,4-Dioxane	8.7	U	8.7	50
2-Butanone (MEK)	2.2	U	2.2	5.0
2-Hexanone	0.72	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	0.63	U	0.63	5.0
Acetone	1.1	U	1.1	5.0
Benzene	0.090	U	0.090	1.0
Bromoform	0.18	U	0.18	1.0
Bromomethane	0.18	U	0.18	1.0
Carbon disulfide	0.22	U	0.22	1.0
Carbon tetrachloride	0.33	U	0.33	1.0
Chlorobenzene	0.24	U	0.24	1.0
Chlorobromomethane	0.30	U	0.30	1.0
Chlorodibromomethane	0.22	U	0.22	1.0
Chloroethane	0.37	U	0.37	1.0
Chloroform	0.22	U	0.22	1.0
Chloromethane	0.22	U	0.22	1.0
cis-1,2-Dichloroethene	0.26	U	0.26	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
Cyclohexane	0.26	U	0.26	1.0
Dichlorobromomethane	0.15	U	0.15	1.0
Dichlorodifluoromethane	0.14	U	0.14	1.0
Ethylbenzene	0.30	U	0.30	1.0
Ethylene Dibromide	0.19	U	0.19	1.0
Isopropylbenzene	0.32	U	0.32	1.0
Methyl acetate	0.58	U	0.58	5.0
Methyl tert-butyl ether	0.13	U	0.13	1.0
Methylcyclohexane	0.22	U	0.22	1.0
Methylene Chloride	0.21	U	0.21	1.0
m-Xylene & p-Xylene	0.28	U	0.28	1.0
o-Xylene	0.32	U	0.32	1.0
Styrene	0.17	U	0.17	1.0
Tetrachloroethene	0.12	U	0.12	1.0
Toluene	0.25	U	0.25	1.0
trans-1,2-Dichloroethene	0.18	U	0.18	1.0

Client: Sovereign Consulting Inc. Job Number: 460-95971-1

Method Blank - Batch: 460-304005

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 460-304005/6	Analysis Batch:	460-304005	Instrument ID:	CVOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E42034.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/10/2015 1200	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	06/10/2015 1200				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
Trichloroethene	0.22	U	0.22	1.0
Trichlorofluoromethane	0.15	U	0.15	1.0
Vinyl chloride	0.060	U	0.060	1.0
1,2-Dichloroethane	0.25	U	0.25	1.0
1,2-Dichlorobenzene	0.22	U	0.22	1.0
1,2-Dibromo-3-Chloropropane	0.23	U	0.23	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98	70 - 130
4-Bromofluorobenzene	95	64 - 135
Dibromofluoromethane (Surr)	97	72 - 137
Toluene-d8 (Surr)	98	70 - 130

Method Blank TICs- Batch: 460-304005

Cas Number	Analyte	RT	Est. Result (ug/	Qual
	Tentatively Identified Compound		None	

Client: Sovereign Consulting Inc. Job Number: 460-95971-1

Lab Control Sample - Batch: 460-304005

Method: 8260C
Preparation: 5030C

Lab Sample ID:	LCS 460-304005/3	Analysis Batch:	460-304005	Instrument ID:	CVOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E42031.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/10/2015 1037	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	06/10/2015 1037				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	20.0	20.5	102	73 - 134	
1,1,2,2-Tetrachloroethane	20.0	16.8	84	55 - 133	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	23.3	116	60 - 144	
1,1,2-Trichloroethane	20.0	19.4	97	68 - 121	
1,1-Dichloroethane	20.0	20.1	101	75 - 126	
1,1-Dichloroethene	20.0	20.7	104	71 - 123	
1,2,3-Trichlorobenzene	20.0	20.2	101	72 - 135	
1,2,4-Trichlorobenzene	20.0	20.6	103	76 - 129	
1,2-Dichloropropane	20.0	20.4	102	70 - 120	
1,3-Dichlorobenzene	20.0	19.9	99	75 - 120	
1,4-Dichlorobenzene	20.0	18.9	94	75 - 120	
1,4-Dioxane	400	405	101	46 - 150	
2-Butanone (MEK)	100	122	122	52 - 140	
2-Hexanone	100	127	127	49 - 131	
4-Methyl-2-pentanone (MIBK)	100	104	104	56 - 132	
Acetone	100	175	175	26 - 150	*
Benzene	20.0	20.1	101	69 - 125	
Bromoform	20.0	17.0	85	50 - 134	
Bromomethane	20.0	18.8	94	27 - 150	
Carbon disulfide	20.0	20.2	101	61 - 126	
Carbon tetrachloride	20.0	20.0	100	58 - 150	
Chlorobenzene	20.0	19.5	97	77 - 120	
Chlorobromomethane	20.0	19.6	98	70 - 134	
Chlorodibromomethane	20.0	19.7	99	63 - 131	
Chloroethane	20.0	14.2	71	58 - 145	
Chloroform	20.0	19.5	98	81 - 122	
Chloromethane	20.0	18.5	92	43 - 145	
cis-1,2-Dichloroethene	20.0	20.3	101	78 - 121	
cis-1,3-Dichloropropene	20.0	20.1	101	71 - 120	
Cyclohexane	20.0	23.9	119	62 - 135	
Dichlorobromomethane	20.0	19.9	100	72 - 123	
Dichlorodifluoromethane	20.0	21.3	107	40 - 150	
Ethylbenzene	20.0	20.0	100	74 - 120	
Ethylene Dibromide	20.0	19.1	95	77 - 117	
Isopropylbenzene	20.0	21.2	106	74 - 127	
Methyl acetate	100	105	105	62 - 140	
Methyl tert-butyl ether	20.0	20.0	100	73 - 125	
Methylcyclohexane	20.0	25.1	125	64 - 136	
Methylene Chloride	20.0	19.9	99	76 - 123	
m-Xylene & p-Xylene	20.0	20.4	102	78 - 119	
o-Xylene	20.0	19.8	99	79 - 120	

Client: Sovereign Consulting Inc. Job Number: 460-95971-1

Lab Control Sample - Batch: 460-304005

Method: 8260C
Preparation: 5030C

Lab Sample ID:	LCS 460-304005/3	Analysis Batch:	460-304005	Instrument ID:	CVOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E42031.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/10/2015 1037	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	06/10/2015 1037				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Styrene	20.0	20.9	105	76 - 120	
Tetrachloroethene	20.0	20.3	101	70 - 136	
Toluene	20.0	19.5	98	78 - 120	
trans-1,2-Dichloroethene	20.0	19.6	98	79 - 120	
trans-1,3-Dichloropropene	20.0	20.2	101	71 - 123	
Trichloroethene	20.0	20.7	104	74 - 120	
Trichlorofluoromethane	20.0	20.3	102	65 - 142	
Vinyl chloride	20.0	18.9	95	56 - 137	
1,2-Dichloroethane	20.0	19.0	95	75 - 127	
1,2-Dichlorobenzene	20.0	19.4	97	81 - 120	
1,2-Dibromo-3-Chloropropane	20.0	19.4	97	53 - 136	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88	70 - 130
4-Bromofluorobenzene	92	64 - 135
Dibromofluoromethane (Surr)	91	72 - 137
Toluene-d8 (Surr)	92	70 - 130

Client: Sovereign Consulting Inc. Job Number: 460-95971-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-304005

Method: 8260C
Preparation: 5030C

MS Lab Sample ID: 460-95971-1
Client Matrix: Water
Dilution: 10
Analysis Date: 06/10/2015 1325
Prep Date: 06/10/2015 1325
Leach Date: N/A

Analysis Batch: 460-304005
Prep Batch: N/A
Leach Batch: N/A

Instrument ID: CVOAMS5
Lab File ID: E42037.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL
5 mL

MSD Lab Sample ID: 460-95971-1
Client Matrix: Water
Dilution: 10
Analysis Date: 06/10/2015 1353
Prep Date: 06/10/2015 1353
Leach Date: N/A

Analysis Batch: 460-304005
Prep Batch: N/A
Leach Batch: N/A

Instrument ID: CVOAMS5
Lab File ID: E42038.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL
5 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1-Trichloroethane	-59	-45	73 - 134	1	30	4	4
1,1,2,2-Tetrachloroethane	98	97	55 - 133	1	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	115	119	60 - 144	3	30		
1,1,2-Trichloroethane	97	100	68 - 121	3	30		
1,1-Dichloroethane	96	100	75 - 126	2	30		
1,1-Dichloroethene	102	105	71 - 123	2	30		
1,2,3-Trichlorobenzene	96	102	72 - 135	6	30		
1,2,4-Trichlorobenzene	100	102	76 - 129	2	30		
1,2-Dichloropropane	103	99	70 - 120	4	30		
1,3-Dichlorobenzene	101	99	75 - 120	2	30		
1,4-Dichlorobenzene	96	93	75 - 120	3	30		
1,4-Dioxane	92	108	46 - 150	16	30		
2-Butanone (MEK)	92	91	52 - 140	1	30		
2-Hexanone	104	94	49 - 131	10	30		
4-Methyl-2-pentanone (MIBK)	103	94	56 - 132	9	30		
Acetone	87	89	26 - 150	2	30		
Benzene	101	109	69 - 125	7	30		
Bromoform	88	85	50 - 134	3	30		
Bromomethane	123	129	27 - 150	5	30		
Carbon disulfide	93	94	61 - 126	1	30		
Carbon tetrachloride	102	102	58 - 150	1	30		
Chlorobenzene	97	96	77 - 120	0	30		
Chlorobromomethane	100	101	70 - 134	0	30		
Chlorodibromomethane	97	99	63 - 131	2	30		
Chloroethane	107	96	58 - 145	10	30		
Chloroform	99	102	81 - 122	3	30		
Chloromethane	121	120	43 - 145	0	30		
cis-1,2-Dichloroethene	101	106	78 - 121	5	30		
cis-1,3-Dichloropropene	97	101	71 - 120	4	30		
Cyclohexane	117	117	62 - 135	0	30		
Dichlorobromomethane	101	96	72 - 123	5	30		
Dichlorodifluoromethane	123	124	40 - 150	0	30		

Client: Sovereign Consulting Inc. Job Number: 460-95971-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-304005

Method: 8260C
Preparation: 5030C

MS Lab Sample ID:	460-95971-1	Analysis Batch:	460-304005	Instrument ID:	CVOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E42037.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/10/2015 1325			Final Weight/Volume:	5 mL
Prep Date:	06/10/2015 1325				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	460-95971-1	Analysis Batch:	460-304005	Instrument ID:	CVOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E42038.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/10/2015 1353			Final Weight/Volume:	5 mL
Prep Date:	06/10/2015 1353				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Ethylbenzene	103	102	74 - 120	1	30		
Ethylene Dibromide	94	97	77 - 117	3	30		
Isopropylbenzene	105	105	74 - 127	0	30		
Methyl acetate	112	108	62 - 140	4	30		
Methyl tert-butyl ether	100	101	73 - 125	1	30		
Methylcyclohexane	122	121	64 - 136	1	30		
Methylene Chloride	97	101	76 - 123	4	30		
m-Xylene & p-Xylene	102	102	78 - 119	0	30		
o-Xylene	99	99	79 - 120	0	30		
Styrene	104	105	76 - 120	1	30		
Tetrachloroethene	99	98	70 - 136	1	30		
Toluene	98	100	78 - 120	2	30		
trans-1,2-Dichloroethene	97	99	79 - 120	1	30		
trans-1,3-Dichloropropene	102	104	71 - 123	2	30		
Trichloroethene	98	95	74 - 120	3	30		
Trichlorofluoromethane	140	140	65 - 142	0	30		
Vinyl chloride	125	127	56 - 137	2	30		
1,2-Dichloroethane	96	97	75 - 127	1	30		
1,2-Dichlorobenzene	99	97	81 - 120	3	30		
1,2-Dibromo-3-Chloropropane	93	99	53 - 136	6	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93	97	70 - 130
4-Bromofluorobenzene	94	95	64 - 135
Dibromofluoromethane (Surr)	96	99	72 - 137
Toluene-d8 (Surr)	95	97	70 - 130

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

06/11/2015

Name (for report and invoice)	Samplers Name (Printed)	Site/Project Identification
Al Tonn	Philip V. Mercurio	FD023 First Hartford / South Shore Outdoor
Company: Sovereign Consulting, Inc	P. O. #	State (Location of site): NJ: ☐ NY: ☒ Other:
		Regulatory Program: N/A
Address: 1855 New Highway Suite C	Analysis Turnaround Time: Standard ☐	
City: Farmingdale State: NY	Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☒ 5 days	
Phone: 631-753-9842 Fax:		

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

LAB USE ONLY
Project No:
Job No: 95971

Sample Identification	Date	Time	Matrix	No. of Cont.	VOC 8260 TCL	Sample Numbers
M:HPT #3 30'-33'	6/5/15	1105	GW	3	X	-1
M:HPT #3 36'-39'	6/5/15	1145	GW	3	X	-2

5-Day RUSH

460-95971 Chain of Custody

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH
6 = Other _____, 7 = Other _____

Soil: —
Water: H2

Special Instructions

Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1)	Sovlon	6/5/15 12:00	1)	TA.
Relinquished by 2)	Company JV C	Date / Time 6/5/15 15:00	Received by 2)	Company 6/5/15
Relinquished by 3)	Company	Date / Time	Received by 3)	Company
Relinquished by 4)	Company	Date / Time	Received by 4)	Company

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

TAL - 0016 (0814)

Massachusetts (M-NJ312), North Carolina (No. 578) 1.2 / 3.2 IR# 's No 1,2

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 95971

Number of Coolers: 1 IR Gun #: K

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.2 °C	1.6 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: _____ Date: 6/5/15

06/11/2015

Login Sample Receipt Checklist

Client: Sovereign Consulting Inc.

Job Number: 460-95971-1

Login Number: 95971
List Number: 1
Creator: Lysy, Susan

List Source: TestAmerica Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.2°C IR#5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

Appendix C

Geophysical Survey Report

EPHASE2, LLC
53 WEST HILLS ROAD • HUNTINGTON STATION, NY • 11746
PHONE: (631) 673-0612 • FAX: (631) 427-5323

May 22, 2015

Mr. Thomas Lobasso
Sovereign Consulting Inc.
1855 New Highway, Suite C
Farmingdale, New York 11735

Re: Geophysical Survey
First Hartford
1760 North 5th Avenue
Bay Shore, New York
Sovereign Project Number: FD023.001.02

Dear Mr. Lobasso,

EPhase2, LLC was retained by Soverign Consulting, Inc., to conduct a geophysical survey at 1760 North 5th Avenue, Bayshore, New York (Site). ***EP2's*** objective was to markout any utilities wihtin the Property, locate all subsurface pools and provide clear locations for borings and subslab vapor points. Clear boring and subslab vapor point locations are designated on the surface at the Site by a white circle with an 'X' through the center.

A GSSI model Utility Scan DF with dual 300 and 800 MHz antennae Ground Penetrating Radar (GPR) system and a GSSI model SIR-3,000 with a 400 MHz antenna Ground Penetrating Radar (GPR) system was used for the survey and both are consisted of a control unit, control cable, and a transducer. In the subsurface, reflections of the pulse occur at boundaries where there is a dielectric contrast (void, steel, soil type). The reflected portion of the signal travels back to the antenna and control unit and is subsequently shown on the display of the computers color video monitor for interpolation. The scan was completed from zero to 10 feet below grade over searched areas.

A Fisher TW-6 Pipe and Cable Locator and a Radiodetection Model RD8000 Receiver and Tx10 transmitter were used in conjunction with the GPR equipment to locate and mark utilities and locate subsurface structures/buried objects.

The Profiler EMP-400 was also used in conjunction with the GPR to detect differences in soil conductivity. The Profiler EMP-400 is an electromagnetic (EM) induction tool that has the ability to find application in many different types of geological and environmental areas. These include shallow soils mapping, soil-salinity mapping, ground water investigations, the detection, and delineation of waste pits and associated subsurface contaminants from acids, salts, or VOC's. In addition, the systems are used for near surface archaeological investigations, the detection of buried structures such as building foundations, as well as for the detection of conductive metallic objects such as drums, tanks, large utilities and other non-descript buried metallic objects. The profiler simultaneously measures three frequencies from 1000 Hz to 16,000 Hz. The EM instrument is comprised of the transmitter, receiver, and electronics enclosure. The data is subsequently shown on the Trimble GPS Unit/PDA, the instrument interface, for interpolation.

On May 8 and 11, 2015, ***EP2*** staff conducted the Geophysical Survey which included locating subsurface pools, marking out and clearing proposed soil boring and sub-slab soil vapor locations, marking on-site utilities, and scanning for any sub-surface anomalies.

EP2 staff completed the locating and marking out of utilities. Gas and water were detected underground, running from the southeastern edge of the Property, leading into the southeast corner of the Building. Electric and communication was also detected underground, running from the base of a utility pole located along the southern edge, on the west side of the Property into the pad-mounted transformer. Either an electric or communication line wass noted to be running overhead, nearly parallel to the underground electric and communication line, from the utility pole into the southeastern corner of the one-story masonry addition.

EP2 staff completed the locating and clearing of said proposed boring and sub-slab vapor point locations. Boring and sub-lab vapor point locations are depicted on the attached Site Sketch and on the surface at the Site.

An anomaly detected outside in the southeast corner of the Subject Building, nearly 3.5 feet from the wall, approximately 2.5 feet below the surface and metallic in nature was detected using the GPR. According to Albert Tonn, a Sovereign Consulting representative, the said location once housed a fuel oil Underground Storage Tank (UST) and this may be a remnant of the tank left in place.

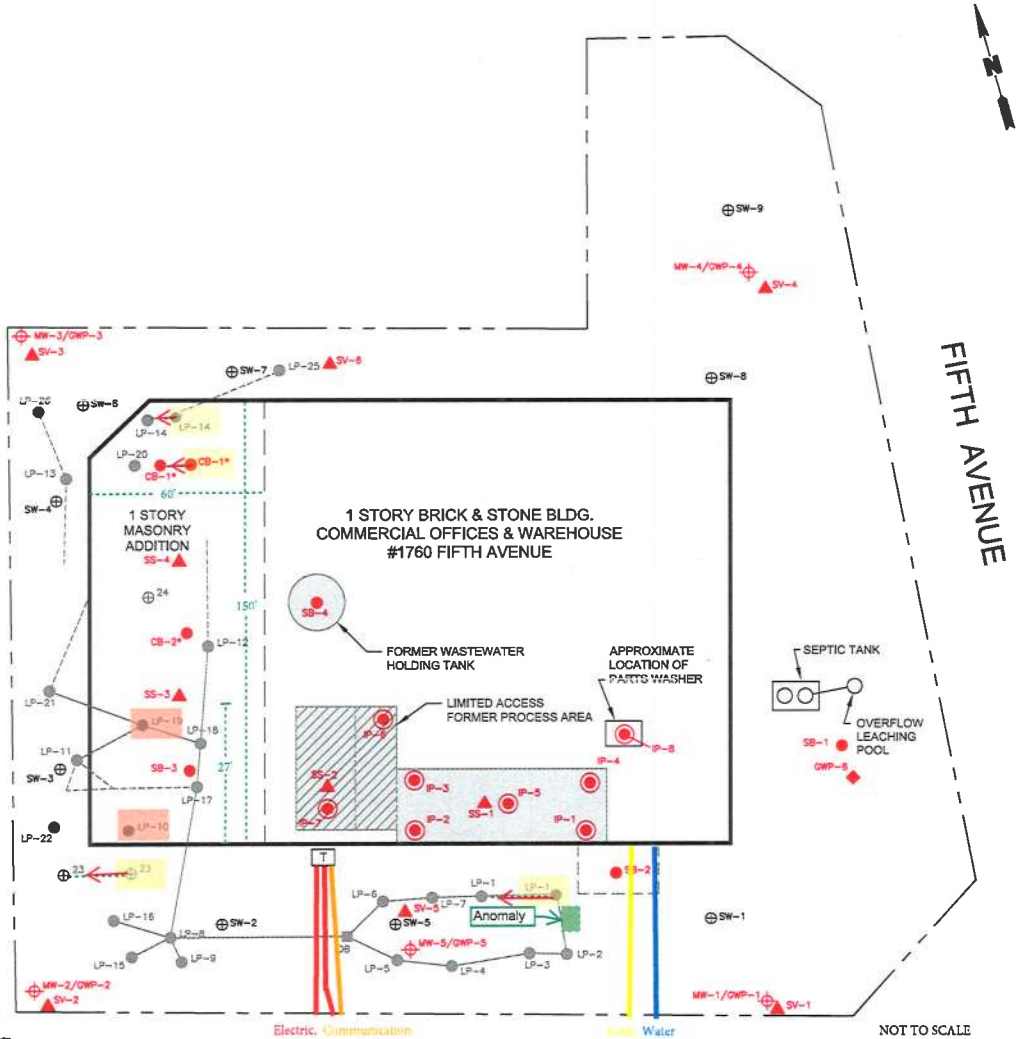
During the Geophysical Survey, ***EP2*** and Sovereign staff agreed the Site Sketch was not to scale and a few former underground structures were off-set in their said to be location. A new Site Sketch representing the site is attached to this letter.

Based upon data collected during the scan, ***EP2*** has determined that the abovementioned locations are clear for drilling and the anomaly, metallic in nature, should be further investigated. Please do not hesitate to contact the undersigned should you have any questions or require anything further.

Respectfully submitted,

Albert Kim
Geologist
EPhase2, LLC.

Attachments:
Site Sketch
Profiler Output



LEGEND

- PROPERTY BOUNDARY
- FORMER INDUSTRIAL LEACHING POOL
- FORMER STORM WATER DRY WELL
- FORMER DISTRIBUTION BOX
- FORMER PIPING ADJOINING POOLS
- FORMER UNVERIFIED PIPING
- EXISTING STORM WATER DRY WELL
- EXISTING TRANSFORMER
- FORMER INDUSTRIAL PROCESS AREA AND FORMER WASTEWATER HOLDING TANK
- FORMER HEATING OIL TANK LOCATION
- PROPOSED MONITORING WELL / GROUNDWATER PROFILE BORING
- PROPOSED SOIL BORING
- PROPOSED SOIL VAPOR POINT
- PROPOSED GROUNDWATER PROFILE BORING
- PROPOSED HAND BORING
- Former Location
- Unconfirmed structure

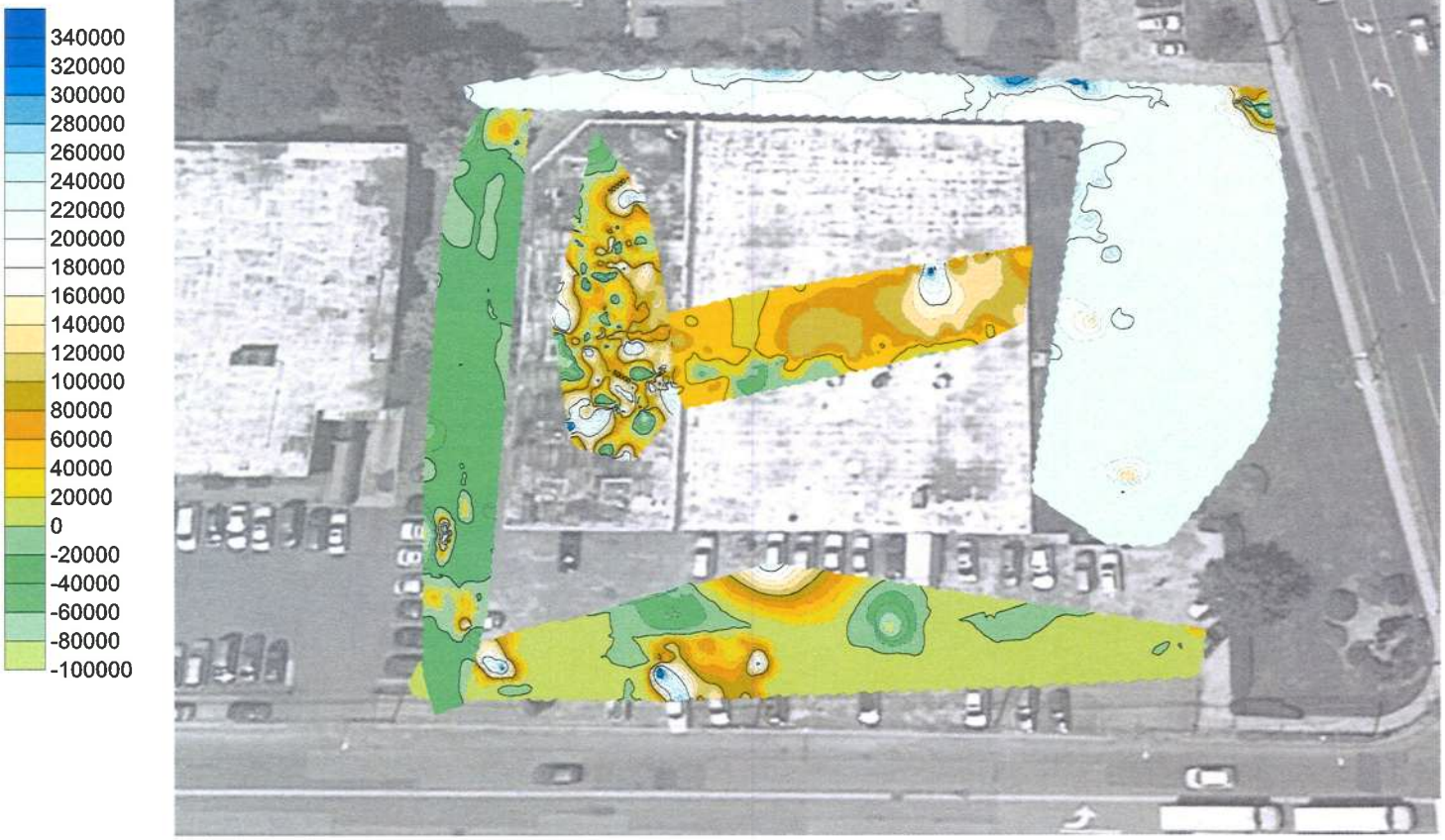
LEA makes no guarantees as to the accuracy of this drawing and it should only be used for informational purposes.

NOTE:
* CB-1 AND CB-2 ARE CONTINGENCY SOIL BORINGS THAT WILL ONLY BE ADVANCED IF FORMER INDUSTRIAL LEACHING POOLS ARE NOT IDENTIFIED DURING THE GEOPHYSICAL SURVEY.

SOURCE:
Suffolk County Town of Islip Survey. and Roux Associates, Inc

ep2
53 West Hills Road, Suite 1
Huntington Station, NY 11746
PHONE: 631-673-0612
FAX: 631-427-5323

V:\CAD\PROJECTS\2255Y\00002Y\106\2255.00002Y106.01.DWG



53 West Hills Road, Suite 1
Huntington Station, NY 11746

PHONE: 631-673-0612
FAX: 631-427-5323

SITE SKETCH
WITH PLOTTED PROFILER DATA
1760 NORTH FIFTH AVENUE
BAY SHORE, NEW YORK 11706

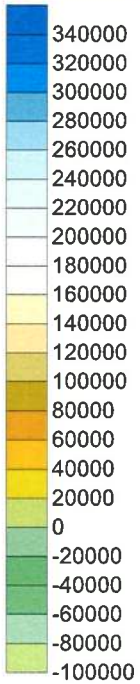
PROJECT #: EP2-15-110

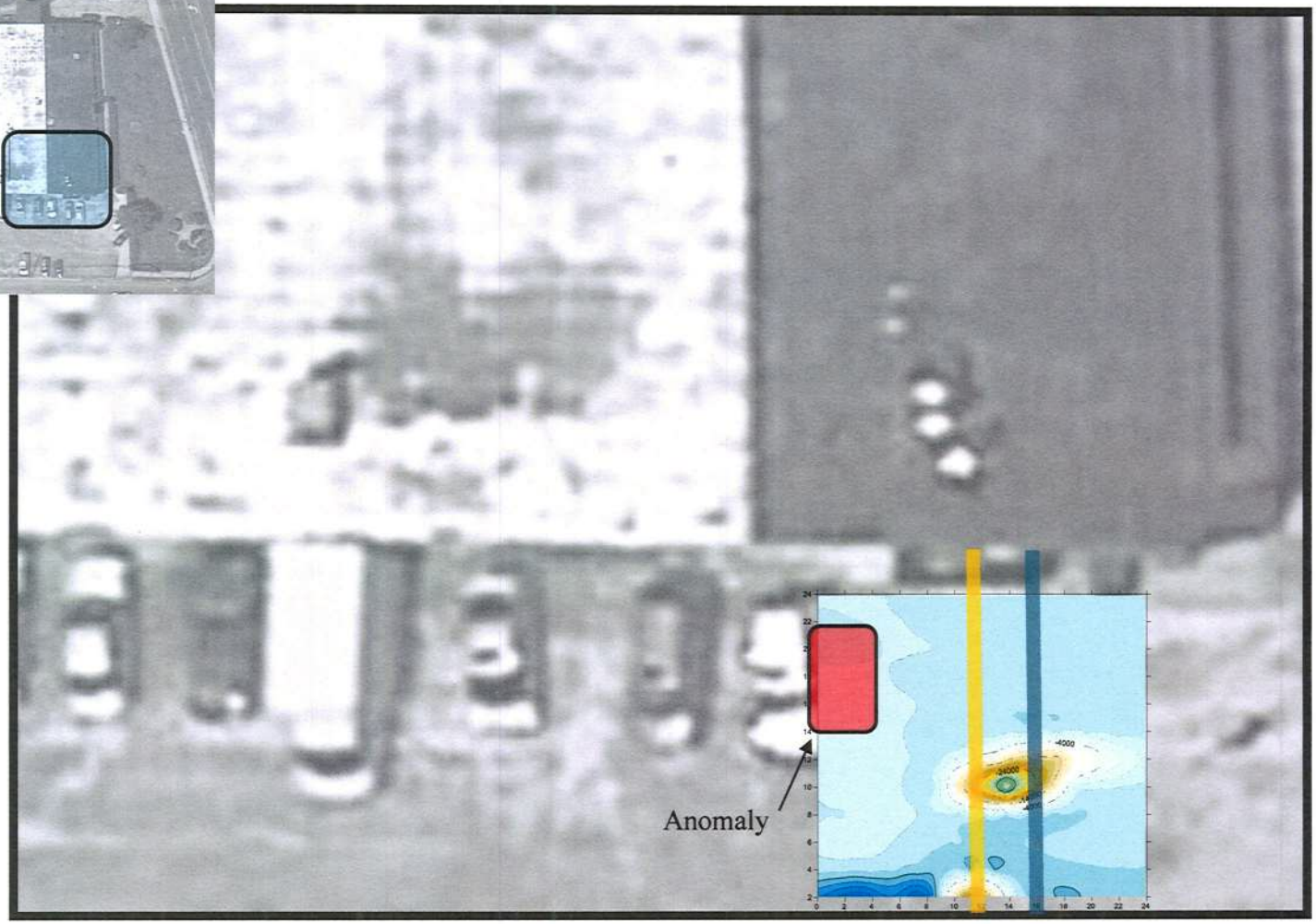
DRAWING DATE: 5/22/15

DRAWN BY: AK/NC

EP2 makes no guarantees as to the accuracy of this drawing and it should only be used for informational purposes.







Gas Water

53 West Hills Road, Suite 1
Huntington Station, NY 11746

PHONE: 631-673-0612
FAX: 631-427-5323

SITE SKETCH
WITH PLOTTED PROFILER DATA
1760 NORTH FIFTH AVENUE
BAY SHORE, NEW YORK 11706

PROJECT #: EP2-15-110

DRAWING DATE: 5/22/15

DRAWN BY: AK/NC

N

EP2 makes no guarantees as to the accuracy of this drawing and it should only be used for informational purposes.

Appendix D

Soil Boring - Well Construction Logs

Sovereign Consulting Inc.
Science. Service. Solutions
www.sovcon.com

Boring/Well ID
LP-1
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	AMT
Start Date:	6/24/2015
Completion Date:	6/25/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample Information: Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
	S-1	Void to 17'				NA		Asphalt/Base on top of manhole. Void to 17'.			
18	S-2		17-18'			0.8		Collected with hand auger. Dark brown, purple, green, tan CLAY and SILT, soft.		1	
22	S-3		20-22'			1.9		Tan fine SAND, some fine to coarse pebbles, moist.		2	
		60/15									

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample collected
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

Sovereign Consulting Inc.
Science. Service. Solutions
www.sovcon.com

Boring/Well ID
LP-1
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	AMT
Start Date:	6/24/2015
Completion Date:	6/25/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes
26										
28										
30		60/0						No recovery.		
32	S-4		30-32'			3.4		2" Purple SILT and CLAY over dark brown fine sand with some gravel.		3
							▼			
34										
	S-5	60/48	30-35'			0.0		Tan fine to coarse SAND with fine gravel, wet.		
36										
38	S-6		35-38'			5.0		Brown fine SAND, some fine gravel, silt, wet.		
40	S-7	60/60	38-40'			1.2		Tan and light brown medium to coarse SAND with fine to coarse gravel, wet.		4
								End of boring at 40'		
42										
44										
46										
48										

Test Boring/ Monitoring Well Construction

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample collected
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

Sovereign Consulting Inc.
Science. Service. Solutions
www.sovcon.com

Boring/Well ID
LP-1A
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	AMT
Start Date:	6/26/2015
Completion Date:	6/26/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer-	NA	Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
	S-1	Hand Auger	0-1'			NA		Asphalt/Base			
2	S-2		1-2'			NA		Dark brown fine SAND with fine to coarse gravel, dry. Manhole at 18".			
4											
			3-5'					Void 3-5'			
6											
8											
10	S-3	60/6	5-10'			1.4		Light brown fine SAND with fine to coarse gravel, dry.			
12											
14											
	S-4	60/24	10-15'			0.5		Dark brown SILT and CLAY, some fine sand and fine to coarse gravel, moist.			
16											
	S-5		15-17'			9.5		Top 6" Brown fine SAND with fine to coarse gravel. Then Dark brown SILT with fine sand and fine to coarse gravel, moist.		1	
18											
20		60/36									
22	S-6		20-22'			2.5		Light brown fine SAND with fine gravel, moist.		2	
24											
	S-7	60/36	22-25'			1.9		Same as above.			

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample collected
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
LP-1A
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	AMT
Start Date:	6/26/2015
Completion Date:	6/26/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
26											
28	S-9		25-28'			0.7		Same as above.			
30	S-10	60/30	28-30'			2.1		Same as above.		3	
							▼				
32											
34											
	S-11	60/30	30-35'			0.4		Tan fine to coarse SAND, some fine gravel, wet. 3" coarse sand and fine gravel at 34'.			
36											
38	S-12		35-38'			2.9		Tan changing to gray fine to coarse SAND with fine gravel, wet.			
40	S-13	60/36	38-40'			1.9		Tan fine to coarse SAND with fine gravel, wet.		4	
								End of boring at 40'			
42											
44											
46											
48											

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample collected
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
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Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

Sovereign Consulting Inc.
Science. Service. Solutions
www.sovcon.com

Boring/Well ID
LP-2
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	AMT
Start Date:	6/26/2015
Completion Date:	6/26/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer-	NA	Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
	S-1	Hand Auger	0-1'			NA		Asphalt/Base			
2											
4											
	S-2		1-5'			0.0		Dark brown fine SAND and fine to coarse gravel, dry.			
6											
8											
								Top 3" dark brown fine SAND and silt and coarse gravel. Then 3" tan fine to coarse SAND, then light brown fine SAND with fine to coarse gravel, dry.			
10	S-3	60/48	5-10'			1.7					
12											
14											
	S-4	60/36	10-15'			0.5		Tan fine SAND with fine to coarse gravel, large quartz pebbles, dry.			
16											
	S-5		15-17'			2.0		Tan fine SAND with fine gravel, dry.		1	
18											
20		60/36									
22	S-6		20-22'			3.3		Tan fine SAND with fine gravel, dry.		2	
24											
	S-7	60/48	22-25'					Same as above with some orange streaks and moist.			

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample collected
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
LP-2
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	AMT
Start Date:	6/26/2015
Completion Date:	6/26/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
26											
28											
30	S-8	60/48	28-30'			3.0		Tan fine SAND, some fine gravel, moist.		3	
							▼				
32											
34											
	S-9	60/36	30-35'			3.8		Tan fine to medium SAND, some fine gravel, wet. Bottom 3" black.			
36											
38											
40	S-10	60/36	38-40'			2.5		Dark brown changing to black fine SAND with fine to coarse gravel.		4	
								End of boring at 40'			
42											
44											
46											
48											

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample collected
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
LP-3
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	AMT
Start Date:	6/24/2015
Completion Date:	6/24/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer-	NA	Fall -	NA

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample Information: Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
	S-1		0-1'			NA		Asphalt/Base			
2								Metal cover 1' below grade, then void to 3'			
4											
	S-2	Hand Auger	1-5'			NA					
6											
	S-3		5-7'			0.0		Brown fine SAND with fine to coarse gravel, dry.		1	
8											
10											
12											
14											
	S-4	60/6	10-15'			0.0		Same as above.			
16											
	S-5		15-17'			0.0		Brown fine SAND, some fine gravel, dry.		2	
18											
20		60/6									
22	S-7		20-22'			1.6		Light brown to tan fine SAND with fine gravel, dry.		3	
24											
		60/30									

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample collected
5) Sample collected
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
LP-3
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	AMT
Start Date:	6/24/2015
Completion Date:	6/24/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
26											
28											
30	S-8	60/30	28-30'			1.7		Tan to light brown fine SAND, some fine to coarse gravel, moist.		4	
							▼				
32											
34											
	S-9	60/36	30-35'			1.7		Top 1' Tan fine SAND, some fine gravel, moist. Then wet. Bottom 1" was green in color.			
36											
38	S-11		35-38'			0.9		Light brown/gray fine to coarse SAND, some gravel, wet. 3" gravel layer.			
40	S-12	60/60	38-40'			1.9		Gray to black fine to coarse SAND, some fine gravel, wet.		5	
								End of boring at 40'			
42											
44											
46											
48											

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample collected
5) Sample collected
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

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2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
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Boring/Well ID
LP-4
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	AMT
Start Date:	6/24/2015
Completion Date:	6/24/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer-	NA	Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
	S-1	Hand Auger	0-1'			NA		Asphalt/Base over manhole. Void to 5'.			
2											
4											
			1-5'								
6											
8											
10	S-2	60/24	5-10'			0.0		Dark brown fine SAND and silt with fine to coarse gravel, dry.			
12											
14											
	S-3	60/12	10-15'			1.8		Top 4" same as above, then tan fine SAND with fine to coarse gravel, dry.			
16											
	S-4		15-17'			2.8		Tan fine SAND with fine to coarse gravel, moist.		1	
18											
20		60/36									
22	S-5		20-22'			2.4		Tan fine SAND, some fine gravel, moist.		2	
24											
	S-6	60/48	22-25'			1.4		Same as above			

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample Collected
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

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2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
LP-4
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	AMT
Start Date:	6/24/2015
Completion Date:	6/24/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
26											
28											
30	S-7	60/30	28-30'					Same as above.		3	
							▼				
32											
34											
	S-8	60/30	30-35'			1.2		Tan with some orange streaks fine to coarse SAND with fine gravel, wet.			
36											
38											
40	S-9	60/30	38-40'			1.2		Tan fine SAND, some fine gravel, wet. Bottom 6" light gray.		4	
								End of boring at 40'			
42											
44											
46											
48											

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample Collected
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

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Boring/Well ID
LP-5
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	AMT
Start Date:	6/24/2015
Completion Date:	6/24/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer-	NA	Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
	S-1	Hand Auger	0-1'			NA		Asphalt/Base			
2											
	S-2		1-3'			1.3		Dark brown and black fine to medium SAND with fine to coarse gravel, dry, some asphalt pieces.			
4											
			3-5'					Void below dome 3-5'.			
6											
8											
10	S-3	60/12	5-10'			0.4		Light brown fine SAND with fine to coarse gravel, dry.			
12											
14											
	S-4	60/36	10-15'			0.5		Tan fine SAND with fine to coarse gravel, dry.			
16											
	S-5		15-17'			1.3		Tan fine SAND, some fine gravel, dry.		1	
18											
20	S-6	60/36	17-20'			2.1		Tan fine to coarse SAND, some fine gravel, dry.			
22	S-7		20-22'			3.4		Tan fine SAND, some fine to coarse gravel, dry.		2	
24											
	S-8	60/48	22-25'			1.8		Same as above.			

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample collected
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
LP-5
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	AMT
Start Date:	6/24/2015
Completion Date:	6/24/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
26											
28	S-9		25-28'			2.0		Tan fine SAND, some fine gravel, moist.			
30	S-10	60/30	28-30'			3.3		Same as above.		3	
							▼				
32											
34											
	S-11	60/36	30-35'			2.0		Tan fine to coarse SAND with fine gravel, wet.			
36											
38	S-12		35-38'			5.0		Tan fine to coarse SAND with fine gravel, wet.			
40	S-13	60/57	38-40'			3.7		Gray to black fine to coarse SAND with fine gravel, wet.		4	
								End of boring at 40'			
42											
44											
46											
48											

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample collected
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

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▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
LP-6
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	AMT
Start Date:	6/23/2015
Completion Date:	6/23/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer-	NA	Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
	S-1		0-1'			NA		Asphalt/Base			
2								Metal cover 1' below grade, then void to 5'			
4											
	S-2	Hand Auger	1-5'			NA					
6											
8											
10	S-3		5-10'			0.0		Dark brown fine SAND and silt with fine to coarse gravel, dry.		1	
12											
14											
	S-4	60/12	10-15'			0.0		Same as above.			
16											
	S-5		15-17'			0.9		Top 1" same as above. Tan fine SAND, some fine gravel, dry.		2	
18											
20		60/18									
22	S-6		20-22'			1.5		Tan fine SAND, some fine gravel, moist.		3	
24											
		60/24									

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample collected
5) Sample collected
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

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▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
LP-6
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	AMT
Start Date:	6/23/2015
Completion Date:	6/23/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
26											
28											
30	S-7	60/36	28-30'			2.3		Tan fine SAND, some fine gravel.		4	
							▼				
32											
34											
	S-8		30-35'			1.1		Light brown fine to coarse SAND with fine to coarse gravel, wet.			
36											
38	S-9		35-38'			1.4		Light brown fine to coarse SAND, trace fine gravel, wet.			
40	S-10		38-40'			1.2		Black fine to coarse SAND, trace fine gravel, wet.		5	
								End of boring at 40'			
42											
44											
46											
48											

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample collected
5) Sample collected
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

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2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
LP-7
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	AMT
Start Date:	6/23/2015
Completion Date:	6/23/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer-	NA	Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample Information: Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
	S-1	Hand Auger	0-1'			NA		Asphalt/Base			
2											
4											
	S-2		1-5'			NA		Metal cover 1' below grade, then void to 5'			
6											
8											
10	S-3		5-10'			0.0		Dark brown fine SAND and silt with fine to coarse gravel, dry.		1	
12											
14											
	S-4	60/15	10-15'			0.0		Dark brown fine SAND and silt with some fine gravel, moist.			
16											
	S-5		15-17'			0.0		Top 1" same as above. Tan fine SAND, some fine gravel, dry.		2	
18											
20		60/30									
22	S-7		20-22'			0.7		Light tan fine SAND, some fine to coarse gravel, moist.		3	
24											
		60/30						Same as above.			

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample collected
5) Sample collected
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
LP-7
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	AMT
Start Date:	6/23/2015
Completion Date:	6/23/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
26											
28											
30	S-8	60/15	28-30'			0.6		Light tan fine SAND with some red-orange specks, some fine gravel, moist.		4	
32	S-9		30-32'			0.5		Brown fine SAND with silt and fine to coarse gravel, moist.			
							▼				
34											
	S-10	60/57	32-35'			0.0		Tan fine to coarse SAND with fine gravel, wet.			
36											
38	S-11		35-38'			0.7		Light brown fine to coarse SAND, trace fine gravel, wet.			
40	S-12	60/60	38-40'			0.7		Black fine to coarse SAND with fine gravel, wet.		5	
								End of boring at 40'			
42											
44											
46											
48											

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample collected
5) Sample collected
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

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Boring/Well ID
LP-8
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	
SCI Inspector:	AMT
Start Date:	6/22/2015
Completion Date:	6/22/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample Information: Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
	S-1	Hand Auger	0-1'			NA		Asphalt/Base			
2											
4											
	S-2		1-5'			0.1		Dark brown fine SAND with fine to coarse gravel, dry			
6											
8											
10	S-3	60/54	5-10'			0.1		Brown to tan fine SAND, some fine - coarse gravel, dry.		1	
						0.4		Light brown fine SAND, some fine-coarse gravel, moist.			
12			10-11'								
14											
	S-4	60/54	11-15'			0.6		Brown to dark brown fine SAND, some fine- coarse gravel, moist.			
16											
			15-17'			0.2		Dark brown fine SAND, some fine- coarse gravel, moist.		2	
18											
20	S-6	60/54	17-20'			0.0		Tan fine SAND, some fine-coarse gravel, moist.			
								Tan-brown fine SAND, some fine-coarse gravel, moist.			
22										3	
24											
	S-7	60/30	20-25'			1.0		Tan-brown fine SAND, some fine-coarse gravel, moist.			

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Samole collected
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
LP-8
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	AMT
Start Date:	6/22/2015
Completion Date:	6/22/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time min/sec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
30	S-8	60/30	25-30'			0.4		Tan fine SAND, some fine gravel, moist.			
34	S-9	60/36	30-35'			0.2		Tan fine SAND, Some fine-coarse gravel, wet.			
38			35-38'			0.4		Tan fine SAND, Some fine-coarse gravel, with 2" gravel lense, wet.			
40	S-10	60/36	38-40'			0.8		Tan fine SAND, Some fine-coarse gravel, wet.		4	

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Samole collected
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

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Boring/Well ID
LP-9
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	AMT
Start Date:	6/22/2015
Completion Date:	6/22/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer-	NA	Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
	S-1	Hand Auger	0-1'			NA		Asphalt/Base			
2											
4											
	S-2		1-5'			0.0		Dark brown-orange fine SAND and silt with fine to coarse gravel, dry.			
6											
8											
10	S-3	60/36	5-10'			0.0		Tan fine SAND, some fine to coarse gravel, dry.			
12											
14											
	S-4	60/12	10-15'			0.0		Tan fine to coarse SAND with fine to coarse gravel, dry.			
16											
	S-5		15-17'			0.4		Light brown fine SAND, some fine to medium gravel, dry		1	
18											
20		60/24									
22	S-6		20-22'			0.0		Same as above.		2	
24											
		60/15									

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample Collected
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

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Boring/Well ID
LP-9
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	AMT
Start Date:	6/22/2015
Completion Date:	6/22/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
26											
28											
30	S-7	60/24	28-30'			0.0		Tan with some orange streaks fine SAND, some fine to coarse gravel, dry.		3	
							▼				
32											
34											
	S-8	60/24	30-35'			NA		Tan fine to coarse SAND with fine gravel, wet, Upper 2" dry.			
36											
38	S-9		35-38'			NA		Tan fine to coarse SAND with fine to medium gravel, wet. 6" of medium gravel layer.			
40	S-10	60/54	38-40'			0.0		Tan fine to coarse SAND with fine to medium gravel, wet.		4	
								End of boring at 40'			
42											
44											
46											
48											

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample Collected
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

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Boring/Well ID
LP-10
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/9/2015
Completion Date:	7/9/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
2	S-1	Hand Auger	0-2'			NA		Concrete, base material.			
4	S-2	36/20	2-5'			2.8		Brown fine to medium SAND, little coarse sand, trace fine to coarse gravel, dry.			
10	S-3	60/27	5-10'			0.9		Top 0-12" Same as above. Tan fine to medium SAND, little coarse sand, trace fine to coarse gravel.			
14	S-4	60/32	10-15'			0.3		Same as above.			
18	S-5		15-17'			0.2		Same as above.		1	
20		60/29									
22	S-6		20-22'			0.0		Same as above.		2	
24		60/34									

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample Collected
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

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Boring/Well ID
LP-10
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/9/2015
Completion Date:	7/9/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
26											
28											
30	S-7	60/38	28-30'			0.0		Same as above.		3	
							▼				
32											
34											
	S-8		30-35'			0.0		Tan fine to medium SAND, some coarse sand, little fine to coarse gravel. Saturated.			
36											
38											
40	S-9	120/59	38-40'			0.0		Same as above.		4	
								End of boring at 40'			
42											
44											
46											
48											

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample Collected
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

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Boring/Well ID
LP-11
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	6/29/2015
Completion Date:	6/29/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer-	NA	Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
2	S-1	Hand Auger	0-2.5'			1.7		0-2.5' Asphalt base material, fill materials (bricks), dark brown fine to medium SAND and fine to coarse gravel.			
4	S-2		2.5-5'			1.8		Brown fine to medium SAND, little coarse sand, trace fine to coarse gravel, dry.			
6											
8											
10	S-3	60/32	5-10'			2.0		Brown fine to medium SAND, little coarse sand, little silt, trace fine to coarse gravel, subrounded.		1	
12											
14	S-4	60/10	10-15'			2.2		Same as above with lenses of fine sand and silt 1-2" thick at varying depths.			
16	S-5		15-17'			3.0		Tan fine to medium SAND, little coarse sand, trace fine to coarse gravel, damp.		2	
18											
20		60/10									
22	S-6		20-22'			1.9		Same as above, moist.		3	
24		60/34									

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample Collected
5) Sample collected
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

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▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
LP-11
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	6/29/2015
Completion Date:	6/29/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer-	NA	Fall -	NA

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
26											
28											
30	S-7	60/33	28-30'			1.9		Same as above, moist/wet.		4	
							▼				
32											
34											
	S-8	60/18	30-35'			2.6		Tan fine to medium SAND, some coarse sand, little fine to coarse gravel, wet/saturated.			
36											
38											
40	S-9	60/9	38-40'					Tan fine to medium SAND, little coarse sand, trace fine to coarse gravel.		5	
								End of boring at 40'			
42											
44											
46											
48											

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample Collected
5) Sample collected
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

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▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
LP-12
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/8/2015
Completion Date:	7/8/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer-	NA	Fall -	NA

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
		Hand Auger									
2	S-1		0-2'			NA		Concrete, concrete pieces, brown fine to medium SAND.			
4											
	S-2	36/18	2-5'			4.2		Brown fine to medium SAND, little coarse sand, trace fine to coarse gravel, dry.			
6											
8											
10	S-3	60/4	5-10'			0.8		Same as above. Poor recovery, loose soils.			
	S-4		10-11'			2.0		Top 0-9" Same as above.			
12											
14											
	S-5	60/54	10-15'			0.0		Tan fine to medium SAND, little coarse sand, trace fine to coarse gravel, dry.			
16											
	S-6		15-17'			1.2		Same as above.		1	
18											
20		60/30									
22	S-7		20-22'			1.3		Same as above.		2	
24											
		60/29									

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample Collected
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
LP-12
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/8/2015
Completion Date:	7/8/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
26											
28											
30	S-8	60/31	28-30'			0.5		Same as above.		3	
							▼				
32											
34											
	S-9	60/33	33-35'			0.8		Tan fine to medium SAND, some coarse sand, little fine to coarse gravel. Saturated.		4	
36								End of boring at 35'. Sands heeved into casing.			
38											
40											
42											
44											
46											
48											

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample Collected
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

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▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
LP-13
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	6/29/2015
Completion Date:	6/29/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer-	NA	Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
								Asphalt/Base material. Metal cover at 1'.			
2								Void to 10'.			
4											
6		Not Backfilled									
8											
10											
12											
14											
	S-1	60/5	10-15'			3.2		Brown fine to medium SAND, little coarse sand, little silt, trace fine to coarse gravel, damp.			
16											
	S-2		15-17'			1.7		Top 4" same as above. Tan fine to medium SAND, some coarse sand, little fine to coarse gravel.		1	
18											
20		60/20									
22	S-3		20-22'			1.6		Tan fine to medium SAND, little coarse sand, trace fine to coarse gravel, moist.		2	
24											
		60/34									

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample Collected
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

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Boring/Well ID
LP-13
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	6/29/2015
Completion Date:	6/29/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
26											
28											
							▼				
30	S-4	60/36	28-30'			1.4		Same as above, wet.		3	
32											
34											
	S-5	60/28	30-35'			1.7		0-16" Same as above, wet/saturated. Tan fine to medium SAND, some coarse sand, little fine to coarse gravel.			
36											
38	S-6		35-38'			3.7		Same as above.			
40	S-7	60/32	38-40'			3.2		Same as above with reddish iron staining.		4	
								End of boring at 40'			
42											
44											
46											
48											

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample Collected
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

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Boring/Well ID
LP-14
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/13/2015
Completion Date:	7/13/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer-	NA	Fall -	NA

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
2	S-1	Hand Auger	0-2'			0.0		Asphalt and base materials. Dark brown fine to medium SAND, little coarse sand, trace fine to coarse gravel.			
4	S-2		2-5'			0.0		Brown fine to medium SAND, little coarse sand, trace fine to coarse gravel.			
10	S-3	60/36	5-10'			0.0		Brown-tan fine to medium SAND, little coarse sand, trace fine to coarse gravel, dry.			
14	S-4	60/35	10-15'			0.1		Tan fine to medium SAND, little coarse sand, trace fine to coarse gravel, dry.			
16	S-5		15-17'			0.0		Same as above		1	
20		60/33									
22	S-6		20-22'			0.0		Same as above.		2	
24		60/37									

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample Collected
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

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2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
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Boring/Well ID
LP-14
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/13/2015
Completion Date:	7/13/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
26											
28											
30	S-7	60/38	28-30'			0.0		Same as above.		3	
							▼				
32											
34											
	S-8		30-35'			0.0		Tan fine to medium SAND, some coarse sand, little fine to coarse gravel, wet/saturated.			
36											
38											
40	S-9	120/56	38-40'			1.1		Tan fine to medium SAND, little coarse sand, trace fine to coarse gravel, wet.		4	
								End of boring at 40'			
42											
44											
46											
48											

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample Collected
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

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▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
LP-15
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	AMT
Start Date:	6/22/2015
Completion Date:	6/22/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
	S-1	Hand Auger	0-1'			NA		Asphalt/Base			
2											
4											
	S-2		1-5'			0.0		Dark brown fine SAND, fine to coarse gravel, dry.			
6											
8											
10	S-3	60/0	5-10'			NA		Concrete, then void. No recovery.			
12											
14											
	S-4	60/12	10-15'			0.0		Dark brown fine SAND and silt with fine to coarse gravel, dry.			
16											
	S-5		15-17'			0.0		Same as above		1	
18											
20	S-6	60/36	17-20'			0.0		Light tan fine SAND, some fine gravel, dry.			
22	S-7		20-22'			0.0		Dark brown changing to light tan fine to coarse SAND, some fine gravel, moist.		2	
24											
	S-8	60/54	22-25			0.0		Light tan fine to coarse SAND, some fine gravel, moist.			

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample Collected
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
LP-15
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	AMT
Start Date:	6/22/2015
Completion Date:	6/22/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
26											
28	S-9		25-28'			0.0		Dark brown to tan fine SAND, trace gravel, moist.			
30	S-10	60/54	28-30'			0.1		Same as above.		3	
32											
	S-11		30-33'			0.0	▼	Dark brown to tan fine SAND with silt and fine to coarse gravel, moist.			
34											
	S-12	60/54	33-35'			0.0		Tan fine to coarse SAND with some fine gravel, wet.			
36											
38	S-10		35-38'			0.0		Dark brown fine SAND and silt with some fine to coarse gravel, wet.			
40	S-12	60/60	38-40'			0.0		Tan fine to coarse SAND with fine to coarse gravel, wet. Bottom 3" black fine sand and silt.		4	
								End of boring at 40'			
42											
44											
46											
48											

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample Collected
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

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Boring/Well ID
LP-16
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	AMT
Start Date:	6/23/2015
Completion Date:	6/23/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer-	NA	Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
	S-1	Hand Auger	0-1'			NA		Asphalt/Base			
2	S-2		1-2'			0.2		Dark brown fine to medium SAND with fine to medium gravel, dry.			
4											
	S-3		2-5'			NA		Concrete, then 1' void.			
6											
8											
10	S-3	60/12	5-10'			NA		Dark brown fine SAND with some fine gravel, dry.			
12											
14											
	S-4	60/24	10-15'			NA		Dark brown fine SAND and silt, some fine gravel.			
16											
	S-5		15-17'			0.8		Dark brown fine SAND and silt, some fine gravel, dry.		1	
18											
20	S-6	60/36									
22	S-7		20-22'			1.0		Tan fine SAND, some fine gravel, moist.		2	
24											
		60/24									

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample Collected
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

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▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
LP-16
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	AMT
Start Date:	6/23/2015
Completion Date:	6/23/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
26											
28											
30	S-8	60/24	28-30'			1.0		Tan fine SAND, some fine gravel, moist.		3	
							▼				
32											
34											
	S-9	60/36	30-35'			0.0		Tan fine to coarse SAND with fine gravel. Moist 30-31', wet 31-35'.			
36											
38											
40	S-10	60/24	38-40'			0.7		Tan fine to coarse SAND with fine to coarse gravel, wet.		4	
								End of boring at 40'			
42											
44											
46											
48											

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample Collected
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
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2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
LP-17
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/8/2015
Completion Date:	7/8/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
		Hand Auger									
2	S-1		0-2'			1.2		Concrete, base materials and blocks. Brown fine to medium SAND.			
4	S-2	36/20	2-5'			2.4		Dark brown fine to medium SAND, little coarse sand, trace silt, trace fine to coarse gravel, dry.			
10	S-3	60/34	5-10'			0.0		Tan fine to medium SAND, little coarse sand, trace fine to coarse gravel, dry.		1	
14	S-4	60/40	10-15'			0.0		Same as above.			
18	S-5		15-17'			0.0		Same as above.		2	
20		60/33									
22	S-6		20-22'			0.0		Same as above.		3	
24		60/29									

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample collected
5) Sample collected
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

Sovereign Consulting Inc.
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Boring/Well ID
LP-17
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/8/2015
Completion Date:	7/8/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer-	NA	Fall -	NA

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
26											
28											
30	S-7	60/12	28-30'			0.0		Same as above.		4	
							▼				
32											
34											
	S-8		33-35'			0.0		Same as above, wet.			
36											
38											
40	S-9	120/44	38-40'			0.0		Tan fine to medium SAND, some coarse sand, little fine to coarse gravel. 3-3" of dark gray at the bottom.		5	
								End of boring at 40'			
42											
44											
46											
48											

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample collected
5) Sample collected
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

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Boring/Well ID
LP-18
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/8/2015
Completion Date:	7/8/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer-	NA	Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
		Hand Auger									
2	S-1		0-2'			4.7		Concrete and concrete pieces. Dark brown-black fine to medium SAND, little coarse sand, trace silt, trace fine to coarse gravel.			
4											
	S-2	36/18	2-5'			6.8		Dark brown-black fine to medium SAND, little coarse sand, trace silt, trace fine to coarse gravel.			
6											
8											
10	S-3	60/38	5-10'			1.6		Tan fine to medium SAND, some coarse sand, little fine to coarse gravel.		1	
12											
14											
	S-4	60/39	10-15'			4.4		Tan fine to medium SAND, little coarse sand, trace fine to coarse gravel.			
16											
	S-5		15-17'			2.1		Same as above.		2	
18											
20		60/28									
22	S-6		20-22'			0.9		Same as above.		3	
24											
		60/29									

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample collected
5) Sample collected
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
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Boring/Well ID
LP-18
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/8/2015
Completion Date:	7/8/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
26											
28											
30	S-7	60/30	28-30'			2.6		Same as above.		4	
							▼				
32											
34											
	S-8		33-35'			0.1		0-44" Tan fine to medium SAND, some coarse sand, little fine to coarse gravel, wet.			
36											
38											
40	S-9	120/55	38-40'			0.2		44-53" Black to dark gray fine to medium SAND. 53-55" Tan fine to medium SAND, some coarse sand, little fine to coarse gravel, wet.		5	
								End of boring at 40'			
42											
44											
46											
48											

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample collected
5) Sample collected
6)

Key:
Bedrock
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Open bedrock
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Bentonite
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Riser

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Boring/Well ID
LP-19
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/9/2015
Completion Date:	7/9/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample Information: Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
2		Void						Access port at grade.			
	S-1										
4											
6											
8											
10								0-10' void.			
12											
14											
	S-1	60/21	10-15'			17.8		Black fine SAND and silt, glass and debris. Then brown fine to medium SAND, little coarse sand, trace fine gravel.		1	
16											
	S-2		15-17'			1.1		Tan fine to medium SAND, little coarse sand, trace fine to coarse gravel.		2	
18											
20		60/31									
22	S-3		20-22'			0.8		Same as above.		3	
24											
		60/30									

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample collected
5) Sample collected
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

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▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
LP-19
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/9/2015
Completion Date:	7/9/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
26											
28											
30	S-4	60/39	28-30'			0.0		Same as above.		4	
							▼				
32											
34											
	S-5		30-35'			0.9		Tan fine to medium SAND, some coarse sand, little fine to coarse gravel, wet.			
36											
38											
40	S-6	120/56	38-40'			0.0		0-48" Same as above. 48-52" Black and dark gray. 52-56" Tan.		5	
								End of boring at 40'			
42											
44											
46											
48											

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample collected
5) Sample collected
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

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2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
LP-20
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/7/2015
Completion Date:	7/7/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer-	NA	Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample Information: Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
2		Hand Auger									
	S-1		0-2.5'			0.9		Concrete. Dark brown fine to medium SAND, some coarse sand, trace silt, trace fine to coarse gravel.			
4	S-2	30/15	2.5-5'			0.2		Same as a bove.			
6											
8											
10	S-3	60/0	5-10'			NA		No recovery.			
12											
14											
	S-4	60/0	10-15'			NA		No recovery, move hole.			
16											
18	S-5		15-17'			1.4		Brown fine to medium SAND, little coarse sand, trace fine to coarse gravel.		1	
20		60/11									
22	S-6		20-22'			NA		No recovery.			
24											
		60/0									

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample collected
5) Sample collected
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

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2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
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Boring/Well ID
LP-20
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/7/2015
Completion Date:	7/7/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
26											
	S-7		25-27'			3.2		Tan fine to medium SAND, little coarse sand, trace fine to coarse gravel.		2	
28											
30	S-8	60/30	28-30'			2.9		Same as above.		3	
32	S-9		30-32'			1.6		Same as above.		4	
							▼				
34											
	S-10	60/31	32-35'			3.4		Same as above, wet.			
36											
38	S-11		35-38'			1.7		Tan fine to medium SAND, some coarse sand, little fine to coarse gravel.			
40	S-12	60/53	38-40'			2.0		Tan fine to medium SAND, some coarse sand, trace fine to coarse gravel, wet.		5	
								End of boring at 40'			
42											
44											
46											
48											

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample collected
5) Sample collected
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

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▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
LP-21
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	6/29/2015
Completion Date:	6/29/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample Information: Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
2		Hand Auger									
	S-1		0-2.5'			3.7		Asphalt base material.			
4											
	S-2		2.5-5'			3.5		Dark brown fine to medium SAND, little coarse sand, trace silt, trace fine to coarse gravel.			
6											
8											
10	S-3	60/8	5-10'			2.5		Same as above, damp.			
12											
14											
	S-4	60/12	10-15'			1.6		Same as above, some lenses of fine sand and silt throughout, damp/moist.			
16											
	S-5		15-17'			1.9		Same as above, damp/moist.		1	
18											
20		60/3									
22	S-6		20-22'			1.4		Tan fine to medium SAND, little coarse sand, trace fine to coarse gravel, damp/moist.		2	
24											
		60/36									

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample Collected
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

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2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
LP-21
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	6/29/2015
Completion Date:	6/29/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
26											
28											
30	S-7	60/33	28-30'			1.2		Same as above, moist/damp/wet.		3	
							▼				
32											
34											
	S-8	60/36	30-35'			1.5		Same as above. 10-22" increased grain size, some coarse sand, little fine to coarse gravel. Tan fine to medium SAND, little coarse sand, trace fine to coarse gravel, wet/saturated.			
36											
38											
40	S-9	60/24	38-40'			1.9		Tan fine to medium SAND, some coarse sand, little fine to coarse gravel, wet/saturated.		4	
								End of boring at 40'			
42											
44											
46											
48											

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample Collected
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
LP-22
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	6/29/2015
Completion Date:	6/29/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample Information: Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
2		Hand Auger									
	S-1		0-2.5'			1.8		Asphalt base material over brown fine to medium SAND, some coarse sand, little fine to coarse gravel, trace cobbles,			
4	S-2		2.5-5'			1.4		Tan fine to medium SAND, some coarse sand, dry.			
6											
8											
10	S-3	60/24	5-10'			2.1		Tan fine to medium SAND, little coarse sand, trace fine to coarse gravel, subrounded, dry.			
12											
14											
	S-4	60/24	10-15'			2.3		Same as above.			
16											
	S-5		15-17'			3.3		Same as above, damp.		1	
18											
20		60/32									
22	S-6		20-22'			2.8		Same as above, damp.		2	
24											
		60/38									

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample Collected
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

Sovereign Consulting Inc.
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Boring/Well ID
LP-22
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	6/29/2015
Completion Date:	6/29/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
26											
28											
							▼				
30	S-7	60/36	28-30'			NA		Same as above, moist.		3	
32											
34											
	S-8	60/26	30-35'			3.3		Same as above, wet/saturated.			
36											
38											
40	S-9	60/12	38-40'			1.8		Same as above, wet/saturated.		4	
								End of boring at 40'			
42											
44											
46											
48											

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample Collected
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
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▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
LP-25
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	6/30/2015
Completion Date:	6/30/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer-	NA	Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
2		Hand Auger									
	S-1		0-3'			NA		Asphalt and base materials. Brown fine to medium SAND, little coarse sand, little fine to coarse gravel, trace silt. Lid at 3'.			
4											
6											
	S-2		3-7'			NA		Void from lid to 7'.			
8											
10	S-3	36/15	7-10'			0.9		Brown fine to medium SAND, little coarse sand, trace silt, trace fine to coarse gravel, damp.			
12											
14											
	S-4	60/0	10-15'			NA		No recovery, very loose.			
16											
	S-5		15-17'			0.6		Tan fine to medium SAND, little coarse sand, trace fine to coarse gravel, damp.		1	
18											
20		60/22									
22	S-6		20-22'			0.2		Same as above.		2	
24											
	S-7	60/44	22-25'			1.4		Same as above, moist.			

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample Collected
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
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▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
LP-25
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	6/30/2015
Completion Date:	6/30/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
26											
28											
30	S-8	60/34	28-30'			0.8		Same as above, moist/wet. Lens of fine sand and silt in middle.		3	
							▼				
32											
34											
	S-9	60/29	30-35'			1.1		Tan fine to medium SAND, some coarse sand, little fine to coarse gravel, wet/saturated.			
36											
38											
40	S-10	60/30	38-40'			1.8		Same as above, wet/saturated.		4	
								End of boring at 40'			
42											
44											
46											
48											

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample Collected
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

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Boring/Well ID
LP-26
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	6/30/2015
Completion Date:	6/30/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample Information: Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
2		Hand Auger									
	S-1		0-2.5'			1.4		Asphalt base material over brown fine to medium SAND, little coarse sand, trace silt, trace fine to coarse gravel, trace cobbles, damp.			
4											
	S-2		2.5-5'			1.3		Same as above, damp.			
6											
8											
10	S-3	60/4	5-10'			2.5		Same as above, damp.			
12											
14											
	S-4	60/0	10-15'			NA		No recovery.			
16											
	S-5		15-17'			3.1		Tan fine to medium SAND, little coarse sand, trace fine to coarse gravel, damp.		1	
18											
20		60/11									
22	S-6		20-22'			3.6		Same as above, moist.		2	
24											
		60/31									

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample Collected
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

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▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
LP-26
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	6/30/2015
Completion Date:	6/30/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
26											
28											
30	S-7	60/30	28-30'			2.4		Same as above, moist/wet.		3	
							▼				
32											
34											
	S-8	60/31	30-35'			NA		Same as above. 9"-16" some coarse sand, some fine to coarse gravel, wet/saturated.			
36											
38	S-9		35-38'			2.4		12" fine SAND, little medium sand.			
40	S-10	60/50	38-40'			2.2		12"-50" Tan fine to medium SAND, little coarse sand, trace fine to coarse gravel, saturated.		4	
								End of boring at 40'			
42											
44											
46											
48											

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample Collected
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
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▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
SB-4
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/7/2015
Completion Date:	7/7/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample Information: Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
2	S-1	Hand Auger	0-2'			2.1		4" Concrete and base materials. Brown fine to medium SAND, little coarse sand, trace silt, trace fine to coarse gravel.			
4	S-2	36/17	2-5'			3.5		Same as above.			
6											
8											
10	S-3	60/18	5-10'			3.2		Tan fine to medium SAND, little coarse sand, trace fine to coarse gravel.		1	
12											
14	S-4	60/27	10-15'			2.5		Same as above.			
16											
18											
20	S-5	60/26	15-20'			1.1		Same as above.			
22											
24											
	S-6	60/33	20-25'			1.3		Same as above.			

Notes:
1) Sample collected
2) Sample collected
3)
4)
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
SB-4
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/7/2015
Completion Date:	7/7/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
26											
28											
30	S-7	60/34	28-30'			1.1		Same as above.		2	
								End of boring at 30'.			
32											
34											
36											
38											
40											
42											
44											
46											
48											

Notes:
1) Sample collected
2) Sample collected
3)
4)
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
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▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
SW-1
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/13/2015
Completion Date:	7/13/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample Information: Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
2		Void						Drywell bottom at 18'.			
4											
6											
8											
10											
12											
14											
16											
18											
20	S-1		18-20'			0.0		Hand auger. Dark gray to black fine to medium SAND, little coarse sand, trace fine to coarse gravel with organics.		1	
22											
24											
	S-2	60/21	20-25'			1.2		Dark gray to gray fine to medium SAND, little coarse sand, trace fine to coarse gravel.			

Notes:
1) Sample collected
2) Sample collected
3)
4)
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
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▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
SW-1
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/13/2015
Completion Date:	7/13/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
30	S-3	60/18	28-30'			1.6		Light gray fine to medium SAND, little coarse sand, trace fine to coarse gravel.		2	
								End of boring at 30'.			

Notes:
1) Sample collected
2) Sample collected
3)
4)
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
SW-2
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/1/2015
Completion Date:	7/1/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample Information: Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
2		Void						Drywell bottom at 15'.			
4											
6											
8											
10											
12											
14											
16	S-1		15-16'			0.5		Hand auger. Black to dark gray fine to medium SAND, organic rich, some silt, little coarse sand, trace fine to coarse gravel.		1	
18											
20											
22											
24											
	S-2	108/42	16-25'			0.1		Probe sank 16-20'. 0-12" Same as above. 12-22" Reddish brown same as above with no silt. 22-42" Tan fine to medium SAND, little coarse sand, trace fine to coarse gravel.			

Notes:
1) Sample collected
2) Sample collected
3)
4)
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
SW-2
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/1/2015
Completion Date:	7/1/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
26											
28											
30	S-3	60/26	28-30'			0.5		Same as above.		2	
								End of boring at 30'.			
32											
34											
36											
38											
40											
42											
44											
46											
48											

Notes:
1) Sample collected
2) Sample collected
3)
4)
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
SW-3
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/1/2015
Completion Date:	7/1/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer-	NA	Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
								Drywell bottom at 8'.			
2											
4		Void									
6											
8											
	S-1		8-9'			1.3		Hand auger. Black to dark gray organic rich fine to medium SAND, little coarse sand, little fine to coarse gravel.		1	
10											
12											
14											
	S-2	60/27	10-15'			3.1		Brown fine to medium SAND, some coarse sand, little fine to coarse gravel, bottom 6" reddish brown in color.			
	S-3		15-16'			1.4		8" Reddish brown fine to medium SAND, some coarse sand, little fine to coarse gravel.			
16											
18											
20	S-3	60/28	16-20'			2.7		Tan fine to medium SAND, some coarse sand, little fine to coarse gravel.			
22											
24											
	S-4	60/25	20-25'			2.7		Tan fine to medium SAND, little coarse sand, trace fine to coarse gravel.			

Notes:
1) Sample collected
2) Sample collected
3)
4)
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
SW-3
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/1/2015
Completion Date:	7/1/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
26											
28											
30	S-5	60/30	28-30'			0.5		Same as above.		2	
								End of boring at 30'.			
32											
34											
36											
38											
40											
42											
44											
46											
48											

Notes:
1) Sample collected
2) Sample collected
3)
4)
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
SW-4
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	6/30/2015
Completion Date:	6/30/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample Information: Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
2		Void						Drywell bottom at 9'.			
4											
6											
8											
10	S-1		9-10'			2.2		Hand auger. Black fine to medium SAND, some silt, little coarse sand, trace fine to coarse gravel.			1
12											
14											
	S-2	60/23	10-15'			2.7		Brown fine to medium SAND, some coarse sand, little fine to coarse gravel.			
16											
18											
20	S-3	60/36	15-20'			1.5		Tan fine to medium SAND, little coarse sand, trace fine to coarse gravel.			
22											
24											
	S-4	60/39	20-25'			1.2		Same as above			

Notes:
1) Sample collected
2) Sample collected
3)
4)
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
SW-4
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	6/30/2015
Completion Date:	6/30/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer-	NA	Fall -	NA

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample Information: Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
26											
28											
30	S-5	60/37	28-30'			2.1		Tan fine to medium SAND, some coarse sand, little fine to coarse gravel.		2	
								End of boring at 30'.			
32											
34											
36											
38											
40											
42											
44											
46											
48											

Notes:
1) Sample collected
2) Sample collected
3)
4)
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
SW-5
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/9/2015
Completion Date:	7/9/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample Information: Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
								Drywell bottom at 19'.			
2											
4											
6											
8											
S-1		Void									
12											
14											
16											
18											
20											
	S-1		19-21'			500		Hand auger 19-20'.Black to dark gray fine to medium SAND, little coarse sand, trace fine to coarse gravel, organics.		1	
22											
24											
	S-2	60/32	21-25			52.4		Top 12" same as above. Brown fine to medium SAND, little coarse sand, trace fine to coarse gravel with zones of reddish brown throughout.		2	

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample collected
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
SW-5
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/9/2015
Completion Date:	7/9/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
30	S-3	60/32	28-30'			8.7		Tan to gray fine to medium SAND, trace coarse sand.		3	
34	S-4		30-35'			8.9		Tan fine to medium SAND, some coarse sand, little fine to coarse gravel.			
40	S-5	120/58	38-40'			0.0		Tan fine to medium SAND, little coarse sand, trace fine to coarse gravel.		4	
								End of boring at 40'.			

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample collected
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
SW-6
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	6/30/2015
Completion Date:	6/30/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer-	NA	Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample Information: Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
2		Void						Drywell bottom at 10'.			
4											
6											
8											
10											
12	S-1		10-11'			2.0		Hand auger. Black fine to medium SAND, little coarse sand, trace fine to coarse gravel, organics and sewage odor.		1	
14											
16	S-2	48/18	11-15'			2.4		Brown fine to medium SAND, little coarse sand, trace fine to coarse gravel.			
18											
20	S-3	60/24	15-20'			2.6		Same as above.			
22											
24											
	S-4	60/42	20-25'			0.9		Same as above			

Notes:
1) Sample collected
2) Sample collected
3)
4)
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

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2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
SW-6
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	6/30/2015
Completion Date:	6/30/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
26											
28	S-5		25-28'			1.6		Same as above.			
30	S-6	60/38	28-30'			2.8		Same as above. Bottom 6" reddish streak in soil, possibly brick.		2	
								End of boring at 30'.			
32											
34											
36											
38											
40											
42											
44											
46											
48											

Notes:
1) Sample collected
2) Sample collected
3)
4)
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
SW-7
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	6/30/2015
Completion Date:	6/30/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample Information: Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
2		Void						Drywell bottom at 10'.			
4											
6											
8											
10											
12	S-1		10-11'			3.6		Hand auger. Dark gray fine to medium SAND, some coarse sand, trace fine to coarse gravel, trace silt, organics.		1	
14											
	S-2	48/12	11-15'			2.0		Dark brown fine to medium SAND, trace coarse sand.			
16	S-3					1.1		0-8" Brown medium to coarse SAND, some coarse sand, some fine gravel.			
18	S-4							8-17" Reddish brown fine to medium SAND, little coarse sand, trace fine gravel.			
20	S-5	60/35	15-20'			2.5		17-35" Light brown fine to medium SAD, little coarse sand, trace fine to coarse gravel.			
22											
24											
	S-6	60/34	20-25'			2.9		Same as above			

Notes:
1) Sample collected
2) Sample collected
3)
4)
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
SW-7
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	6/30/2015
Completion Date:	6/30/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample Information: Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
26											
28											
30	S-7	60/20	28-30'			1.7		Same as above.		2	
								End of boring at 30'.			
32											
34											
36											
38											
40											
42											
44											
46											
48											

Notes:
1) Sample collected
2) Sample collected
3)
4)
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
SW-8
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/1/2015
Completion Date:	7/1/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
2		Void						Drywell bottom at 10'.			
4											
6											
8											
10											
12	S-1		10-11'			1.5		Hand auger. Black organic rich fine to medium SAND, some silt, little coarse sand, trace fine to coarse gravel.		1	
14											
16	S-2	48/12	11-15'			2.1		Same as above. Dark brown in bottom 6".			
18											
20	S-3	60/38	15-20'			2.4		Tan fine to medium SAND, little coarse sand, trace fine to coarse gravel.			
22											
24											
	S-4	60/38	20-25'			2.5		Same as above			

Notes:
1) Sample collected
2) Sample collected
3)
4)
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

Sovereign Consulting Inc.
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Boring/Well ID
SW-8
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/1/2015
Completion Date:	7/1/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
26											
28											
30	S-5	60/30	28-30'			2.6		Same as above.		2	
								End of boring at 30'.			
32											
34											
36											
38											
40											
42											
44											
46											
48											

Notes:
1) Sample collected
2) Sample collected
3)
4)
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
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▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
SW-9
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/1/2015
Completion Date:	7/1/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
		Void						Drywell bottom at 12'.			
12	S-1		12-13'			2.0		Hand auger. Dark gray to gray fine to medium SAND, some coarse sand, little fine to coarse gravel.		1	
14	S-2	24/6	13-15'			2.7		Same as above. Damp.			
20	S-3	60/32	15-20'			3.3		Tan fine to medium SAND, some coarse sand, little fine to coarse gravel, damp.			
24	S-4	60/34	20-25'			2.3		Tan fine to medium SAND, little coarse sand, trace fine to coarse gravel, damp/moist.			

Notes:
1) Sample collected
2) Sample collected
3)
4)
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

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▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
SW-9
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/1/2015
Completion Date:	7/1/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
30	S-5	60/32	28-30'			1.5	▼	Same as above. Wet/saturated.		2	
								End of boring at 30'.			

Notes:
1) Sample collected
2) Sample collected
3)
4)
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

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Boring/Well ID
SW-10
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/9/2015
Completion Date:	7/9/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer-	NA	Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample Information: Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
2		Void						Drywell bottom at 12'.			
4											
6											
8											
10											
12											
14	S-1		12-14'			0.3		Hand auger. Black to dark gray fine to medium SAND, some coarse sand, little fine to coarse gravel, organics.		1	
16											
18											
20	S-2	60/30	15-20'			1.3		Top 6" same as above. Tan fine to medium SAND, little coarse sand, trace fine to coarse gravel.			
22											
24											
	S-3	60/32	20-25'			1.2		Same as above.			

Notes:
1) Sample collected
2) Sample collected
3)
4)
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

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▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
SW-10
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/9/2015
Completion Date:	7/9/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
26											
28											
30	S-4	60/33	28-30'			1.0		Same as above.		2	
								End of boring at 30'.			
32											
34											
36											
38											
40											
42											
44											
46											
48											

Notes:
1) Sample collected
2) Sample collected
3)
4)
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
MW-21A
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/9/2015
Completion Date:	7/9/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer-	NA	Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
								Drywell bottom at 12'.			
2											
4											
6		Void									
8											
10											
12											
14	S-1		12-14'			0.0		Hand auger. Black fine to medium SAND, little coarse sand, trace silt, trace fine to coarse gravel.		1	
	S-2		14-15'			0.0		Dark brown fine to medium SAND, little coarse sand, trace silt, trace fine to coarse gravel.			
16											
18											
20	S-3	60/36	15-20'			1.3		Top 5" same as above. Tan fine to medium SAND, little coarse sand, trace fine to coarse gravel.			
22	S-4		20-22'			0.5		Same as above.		2	
24											
		60/32									

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample collected
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a Ion Science photoionization detector with a 10.6 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
MW-21A
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/9/2015
Completion Date:	7/9/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
26											
28											
30	S-5	60/34	28-30'			0.6		Same as above.		3	
32											
34											
	S-6		30-35'			0.3		Tan fine to medium SAND, some coarse sand, little fine to coarse gravel.			
36											
38											
40	S-7	120/51	35-40'			1.4		Same as above.		4	
								End of boring at 40'.			
42											
44											
46											
48											

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample collected
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a Ion Science photoionization detector with a 10.6 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
SB-1(MW-6)
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/13/2015
Completion Date:	7/13/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
2	S-1	Hand Auger	0-2'			0.0		Top soils. Brown fine SAND and SILT, little medium sand, trace coarse sand, trace fine to coarse gravel, trace cobbles.		1	
10	S-2	60/32	5-10'			0.3		Tan fine to medium SAND, little coarse sand, trace fine to coarse gravel.			
14	S-3	60/36	10-15'			0.7		Same as above.			
20	S-4	60/20	15-20'			1.8		Same as above.		2	
24	S-5	60/35				1.5		Same as above.			

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4)
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
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▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
SB-1(MW-6)
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/13/2015
Completion Date:	7/13/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample Information: Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
26											
28											
30	S-6	60/33	28-30'			0.8		Same as above.		3	
								End of boring at 30'.			
32											
34											
36											
38											
40											
42											
44											
46											
48											

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4)
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
SB-2
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 5700 and 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	AMT
Start Date:	6/25/2015
Completion Date:	6/26/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
2		Hand Auger									
4	S-1		0-5'			0.08		0-1' Asphalt/Base. Dark brown fine SAND with fine to coarse gravel, dry.			
6											
8											
10	S-2	60/15	5-10'			2.1		Same as above.		1	
12	S-3		10-11.5'			0.5		Same as above.			
14	S-4	60/36	13-15'			6.0		Tan fine SAND, some fine to coarse gravel, dry.		2	
16	S-5		15-17'			16.8		Tan with some dark brown fine SAND, with fine to coarse gravel, dry.		3	
18											
20		60/48									
22	S-6		20-23'			2.5		Tan to dark brown fine SAND with fine to coarse gravel, dry.			
24	S-7	60/54	23-25'			0.1		Tan to light brown fine SAND with fine to coarse gravel, dry.			

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample collected
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
SB-2
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 5700 and 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	AMT
Start Date:	6/25/2015
Completion Date:	6/26/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample Information: Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
26											
28											
30	S-6	60/48	28-30'			1.4	▼	Light brown fine SAND with some fine gravel, moist, bottom 1" wet. (Taken 6/26/2015 with 6712 DT).		4	
								End of boring at 30'.			
32											
34											
36											
38											
40											
42											
44											
46											
48											

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) Sample collected
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks:
1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
SB-3/DW-24
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/8/2015
Completion Date:	7/8/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
		Hand Auger									
2	S-1		0-2'			1.2		Concrete, blocks, base materials. Dark brown fine to medium SAND.			
4	S-2	36/17	2-5'			2.9		Brown fine to medium SAND.			
6											
8											
10	S-3	60/36	5-10'			0.0		Tan fine to medium SAND, little coarse sand, trace fine to coarse gravel.			
12	S-4		10-12'			0.2		Same as above.		1	
14	S-5	60/54	10-15'			0.0		Same as above.			
16											
18											
20	S-6	60/34	15-20'			0.0		Same as above.			
22											
24											
	S-7	60/36	20-25'			0.0		Same as above.			

Notes:
1) Sample collected
2) Sample collected
3)
4)
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
SB-3/DW-24
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/8/2015
Completion Date:	7/8/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
26											
28											
30	S-8	60/35	28-30'			0.0		Same as above.		2	
								End of boring at 30'.			
32											
34											
36											
38											
40											
42											
44											
46											
48											

Notes:
1) Sample collected
2) Sample collected
3)
4)
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
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Boring/Well ID
IP-1
Sheet 1 of 1

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/15/2015
Completion Date:	7/15/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer-	NA	Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample Information: Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
2	S-1		0-2'			28.3		Concrete 4-6". Brown to dark brown fine to medium SAND, little silt, little coarse sand, trace fine to coarse gravel.		1	
4	S-2	48/20	2-4'			16.4		Same as above.		2	
6	S-3		4-6'			6.2		Tan fine to medium SAND, little coarse sand, trace fine to coarse gravel.			
8	S-4	48/29	6-8'			4.5		Same as above.			
								End of boring at 8'.			
10											
12											
14											
16											
18											
20											
22											
24											

Notes:
1) Sample collected
2) Sample collected
3)
4)
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
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Boring/Well ID
IP-2
Sheet 1 of 1

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/15/2015
Completion Date:	7/15/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer-	NA	Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
2	S-1		0-2'			7.0		Concrete 4-6". Brown fine to medium SAND, some silt, little coarse sand, trace fine to coarse gravel.		1	
4	S-2	48/19	2-4'			5.3		Same as above, but 6" of fine sand and silt, little medium sand.			
6	S-3		4-6'			5.4		Top 6" same as above. Tan fine to medium SAND, little coarse sand, trace fine to coarse gravel.			
8	S-4	48/28	6-8'			4.6		Same as above.		2	
								End of boring at 8'.			
10											
12											
14											
16											
18											
20											
22											
24											

Notes:
1) Sample collected
2) Sample collected
3)
4)
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

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Boring/Well ID
IP-3
Sheet 1 of 1

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/15/2015
Completion Date:	7/15/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer-	NA	Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample Information: Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
2	S-1		0-2'			8.0		Concrete 4-6". Brown fine to medium SAND, little silt, little coarse sand, trace fine to coarse gravel.		1	
4	S-2	48/20	2-4'			7.5		Same as above.			
6											
8	S-3	48/12	4-8'			3.5		Top 6" Brown fine to medium SAND, little coarse sand, trace fine to coarse gravel. Bottom 6" Tan fine to medium SAND, little coarse sand, trace fine to coarse gravel.		2	
								End of boring at 8'.			
10											
12											
14											
16											
18											
20											
22											
24											

Notes:
1) Sample collected
2) Sample collected
3)
4)
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

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Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Boring/Well ID
IP-4
Sheet 1 of 1

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/15/2015
Completion Date:	7/15/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer-	NA	Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
2	S-1		0-2'			6.1		Concrete 4-6". Brown to dark brown fine to medium SAND, little silt, little coarse sand, trace fine to coarse gravel.		1	
4	S-2	48/18	2-4'			5.7		Same as above.			
6	S-3		4-6'			5.6		Brown to dark brown fine to medium SAND, little coarse sand, trace fine to coarse gravel.			
8	S-4	48/24	6-8'			4.9		Reddish-brown fine to mediumSAND, little coarse sand, trace to coarse gravel.		2	
								End of boring at 8'.			
10											
12											
14											
16											
18											
20											
22											
24											

Notes:
1) Sample collected
2) Sample collected
3)
4)
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
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▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
IP-5
Sheet 1 of 1

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/15/2015
Completion Date:	7/15/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer-	NA	Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample Information: Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
2	S-1		0-2'			8.0		Concrete 4-6". Dark brown to brown fine to medium SAND, little silt, little coarse sand, trace fine to coarse gravel, damp.		1	
4	S-2	48/16	2-4'			7.5		Same as above.			
6											
8	S-3	48/12	4-8'			12.1		Same as above, dry.		2	
								End of boring at 8'.			
10											
12											
14											
16											
18											
20											
22											
24											

Notes:
1) Sample collected
2) Sample collected
3)
4)
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

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Boring/Well ID
IP-6
Sheet 1 of 1

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/15/2015
Completion Date:	7/15/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer-	NA	Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
2	S-1		0-2'			2.9		Concrete 4-6". Brown fine to medium SAND, some coarse sand, little fine to coarse gravel, little silt.		1	
4	S-2	48/24	2-4'			2.8		Dark brown fine to medium SAND, some coarse sand, little fine to coarse gravel, little silt.			
6	S-3		4-6'			7.2		Top 2-3" same as above. Tan fine to medium SAND, some coarse sand, little fine to coarse gravel.		2	
8	S-4	48/15	6-8'			1.5		Same as above.			
								End of boring at 8'.			
10											
12											
14											
16											
18											
20											
22											
24											

Notes:
1) Sample collected
2) Sample collected
3)
4)
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
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Boring/Well ID
IP-7
Sheet 1 of 1

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/15/2015
Completion Date:	7/15/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer-	NA	Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
2	S-1		0-2'			4.7		Concrete 4-6". Brown fine to medium SAND, some coarse sand, little fine to coarse gravel, little silt.		1	
4	S-2	48/24	2-4'			3.8		Dark brown fine to medium SAND, some coarse sand, little fine to coarse gravel, little silt.			
6	S-3		4-6'			4.6		Tan fine to medium SAND, some coarse sand, trace fine to coarse gravel.			
8	S-4	48/27	6-8'			4.1		Same as above.		2	
								End of boring at 8'.			
10											
12											
14											
16											
18											
20											
22											
24											

Notes:
1) Sample collected
2) Sample collected
3)
4)
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
IP-8
Sheet 1 of 1

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	Bay Shore, NY
Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/7/2015
Completion Date:	7/7/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer-	NA	Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
		Hand Auger						Concrete 4". Base material 2-3". Brown fine to medium SAND, little coarse sand, trace silt, trace fine to coarse gravel.			
2	S-1		0-2'			5.2				1	
	S-2					0.5		0-20" Light brown fine to medium SAND, little coarse sand, trace fine to coarse gravel.			
4	S-3					3.5		20-28" Dark brown fine to medium SAND, little coarse sand, trace fine to coarse gravel.			
	S-5		~3-4'			8.7		28-37" Black to dark brown fine SAND, little medium sand.		2	
6											
8	S-6	72/58				4.3		37-58" Brown fine SAND and silt, little medium sand, trace coarse sand, trace fine to coarse gravel.			
								End of boring at 8'.			
10											
12											
14											
16											
18											
20											
22											
24											

Notes:
1) Sample collected
2) Sample collected
3)
4)
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a photoionization detector with a 11.7 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
MW-1S/D
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/13/2015
Completion Date:	8/4/2015

Drilling Method Details

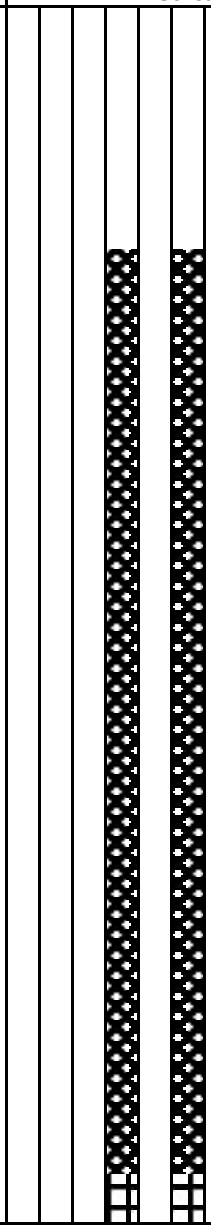
	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	Direct-Push	NA	NA
Size:	NA	3.25"	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	Sch. 40 PVC	Diameter:	2"
Well Head:	J-plug/6" Roadbox	Casing:	2"
Northing:	220046.47/220045.45	Surface Elev:	75.37/75.42
Easting:	1188852.26/1188851.69	Casing Elev:	75.15/75.22

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes
2	S-1	Hand Auger	0-2'			0.5		Asphalt and base materials. Dark brown fine to medium SAND, little coase sand, trace silt, trace fine to coarse gravel.		1
10	S-2	60/28	5-10'			0.4		Tan fine to medium SAND, little coarse sand, trace fine to coarse gravel.		
	S-3	60/23	10-15'			2.6		Same as above.		2
20	S-4	60/34	15-20'			1.0		Same as above.		
	S-5	60/32				0.8		Same as above.		

Test Boring/ Monitoring Well Construction



Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) MW-1S and MW-1D were installed in separate boreholes.
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks:
1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a Ion Science photoionization detector with a 10.6 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
MW-1S/D
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	
SCI Inspector:	PJV
Start Date:	7/13/2015
Completion Date:	8/4/2015

Drilling Method Details

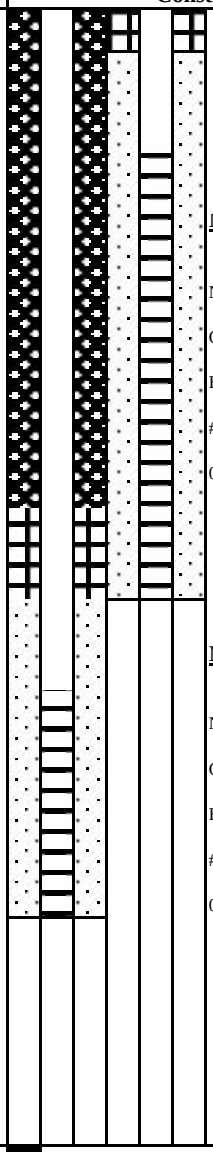
	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	Direct-Push	NA	NA
Size:	NA	3.25"	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	Sch. 40 PVC	Diameter:	2"
Well Head:	J-plug/6" Roadbox	Casing:	2"
Latitude:	220046.47/220045.45	Surface Elev:	75.37/75.42
Longitude:	1188852.26/1188851.69	Casing Elev:	75.15/75.22

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes
26										
28										
30	S-6	60/36	28-30'			0.8		Same as above.		3
								End of soil boring at 30'.		
32										4
34										
36										
38										
40										
42										4
44										
46										
48										

Test Boring/ Monitoring Well Construction



MW-5S
Native 5' to grade
Grout 24-5'
Bentonite 26-24'
#2 Sand 38-26'
0.020" Slot Screen 38-28'

MW-5D
Native 25' to grade
Grout 38-25'
Bentonite 38-36'
#2 Sand 45-38'
0.020" Slot Screen 45-40'

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4) MW-1S and MW-1D were installed in separate boreholes.
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks:
1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a Ion Science photoionization detector with a 10.6 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
MW-2
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/14/2015
Completion Date:	8/3/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	Direct-Push	NA	NA
Size:	NA	3.25"	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	Sch. 40 PVC	Diameter:	2"
Well Head:	J-plug/6" Roadbox	Casing:	2"
Northing:	220119.98	Surface Elev:	78.79
Easting:	1188617.82	Casing Elev:	78.57

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
2	S-1	Hand Auger	0-2'			1.6		Asphalt and base materials. Brown fine to medium SAND, little coarse sand, trace silt, trace fine to coarse gravel, trace cobbles.		1	
4	S-2		2-5'			1.0		Tan fine to medium SAND, little coarse sand, trace fine to coarse gravel.			
8											Native to grade
10	S-3	60/33	5-10'			3.4		Same as above.		2	
14	S-4	60/38	10-15'			2.0		Same as above.			
20	S-5	60/35	15-20'			2.6		Same as above.			
24	S-6	60/34				2.6		Same as above.			

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4)
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a Ion Science photoionization detector with a 10.6 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
MW-2
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/14/2015
Completion Date:	8/3/2015

Drilling Method Details

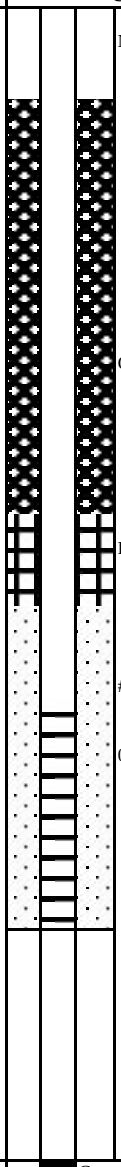
	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	Direct-Push	NA	NA
Size:	NA	3.25"	NA	NA
SPT:	Hammer-	NA	Fall -	NA

Monitoring Well Details

Well Type:	Sch. 40 PVC	Diameter:	2"
Well Head:	J-plug/6" Roadbox	Casing:	2"
Latitude:	220119.98	Surface Elev:	78.79
Longitude:	1188617.82	Casing Elev:	78.57

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes
26										
28										
30	S-7	60/27	28-30'			1.9		Same as above.		3
								End of soil boring at 30'.		
32										
34										
36										
38										
40										
42										
44										
46										
48										

Test Boring/ Monitoring Well Construction



Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4)
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks:
1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a Ion Science photoionization detector with a 10.6 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
MW-3
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/13/2015
Completion Date:	8/3/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	Direct-Push	NA	NA
Size:	NA	3.25"	NA	NA
SPT:	Hammer-	NA	Fall -	NA

Monitoring Well Details

Well Type:	Sch. 40 PVC	Diameter:	2"
Well Head:	J-plug/6" Roadbox	Casing:	2"
Northing:	220327.88	Surface Elev:	75.93
Easting:	1188678.43	Casing Elev:	75.68

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
2	S-1	Hand Auger	0-2'			0.0		Asphalt and base materials. Brown fine to medium SAND, little silt, little coarse sand, trace fine to coarse gravel.		1	
4	S-2		2-5'			0.6		Tan fine to medium SAND, little coarse sand, trace fine to coarse gravel.			
8											Native 25' to grade
10	S-3	60/35	5-10'			0.0		Same as above.			
14	S-4	60/38	10-15'			0.0		Same as above.			
20	S-5	60/33	15-20'			0.0		Same as above.			
24	S-6	60/29				0.0		Same as above.			

Notes:
1) Sample collected
2) Sample collected
3)
4)
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a Ion Science photoionization detector with a 10.6 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Boring/Well ID
MW-3
Sheet 2 of 2

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/13/2015
Completion Date:	8/3/2015

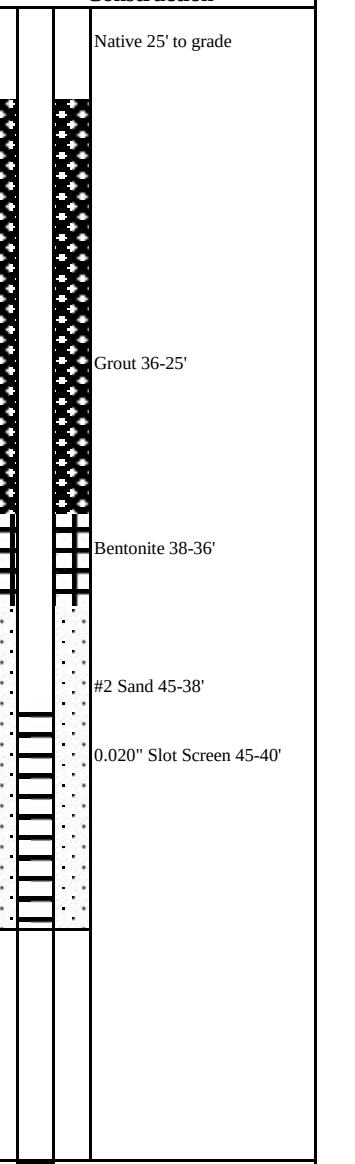
Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	Direct-Push	NA	NA
Size:	NA	3.25"	NA	NA
SPT:	Hammer-	NA	Fall -	NA

Monitoring Well Details

Well Type:	Sch. 40 PVC	Diameter:	2"
Well Head:	J-plug/6" Roadbox	Casing:	2"
Latitude:	220327.88	Surface Elev:	75.93
Longitude:	1188678.43	Casing Elev:	75.68

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes
26										
28										
30	S-7	60/44	28-30'			0.0		Same as above.		2
								End of soil boring at 30'.		
32										
34										
36										
38										
40										
42										
44										
46										
48										



Notes:
1) Sample collected
2) Sample collected
3)
4)
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks:
1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a Ion Science photoionization detector with a 10.6 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
MW-4(Soil Boring Only)
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/13/2015
Completion Date:	8/4/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
2	S-1	Hand Auger	0-2'			0.0		Asphalt and base materials. Brown fine to medium SAND, some coarse sand, some fine gravel, little coarse gravel, little silt, trace cobbles, moist/wet.		1	
10	S-2	60/35	5-10'			1.8		Tan fine to medium SAND, little coarse sand, trace fine to coarse gravel.			
20	S-3	60/33	10-15'			0.9		Same as above.			
24	S-4	60/28	15-20'			0.8		Same as above.			
	S-5	60/29				0.7		Same as above.			

Notes:
1) Sample collected
2) Sample collected
3)
4)
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a Ion Science photoionization detector with a 10.6 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
MW-4(Soil Boring Only)
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/13/2015
Completion Date:	8/4/2015

Drilling Method Details

	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	NA	NA	NA
Size:	NA	NA	NA	NA
SPT:	Hammer- NA		Fall - NA	

Monitoring Well Details

Well Type:	NA	Diameter:	NA
Well Head:	NA	Casing:	NA
Latitude:	NA	Surface Elev:	NA
Longitude:	NA	Casing Elev:	NA

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
26											
28											
30	S-6	60/36	28-30'			0.8		Same as above.		2	
								End of boring at 30'.			
32											
34											
36											
38											
40											
42											
44											
46											
48											

Notes:
1) Sample collected
2) Sample collected
3)
4)
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a Ion Science photoionization detector with a 10.6 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
MW-5S/D
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/14/2015
Completion Date:	8/3/2015

Drilling Method Details

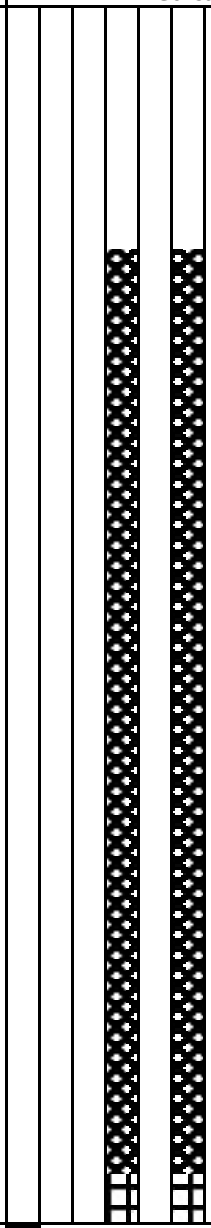
	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	Direct-Push	NA	NA
Size:	NA	3.25"	NA	NA
SPT:	Hammer-	NA	Fall - NA	

Monitoring Well Details

Well Type:	Sch. 40 PVC	Diameter:	2"
Well Head:	J-plug/6" Roadbox	Casing:	2"
Northing:	220098.65/220099.76	Surface Elev:	75.96/75.95
Easting:	1188743.47/1188742.75	Casing Elev:	75.76/75.76

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes
2	S-1	Hand Auger	0-2'			1.2		Asphalt and base materials. Brown fine to medium SAND, little coarse sand, little silt, trace fine to coarse gravel, trace cobbles.		1
4	S-2		2-5'			1.2		Same as above.		
10	S-3	60/8	5-10'			3.6		Brown to light brown fine to medium SAND, little coarse sand, trace silt, trace fine to coarse gravel.		
14	S-4	60/0	10-15'			NA		No recovery.		
20	S-5	60/31	15-20'			2.4		Tan fine to medium SAND, little coarse sand, trace fine to coarse gravel.		
24	S-6	60/31				2.6		Same as above.		

Test Boring/ Monitoring Well Construction



Notes:
1) Sample collected
2) Sample collected
3) MW-5S and MW-5D were installed in separate boreholes
4)
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks: 1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a Ion Science photoionization detector with a 10.6 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
MW-5S/D
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/14/2015
Completion Date:	8/3/2015

Drilling Method Details

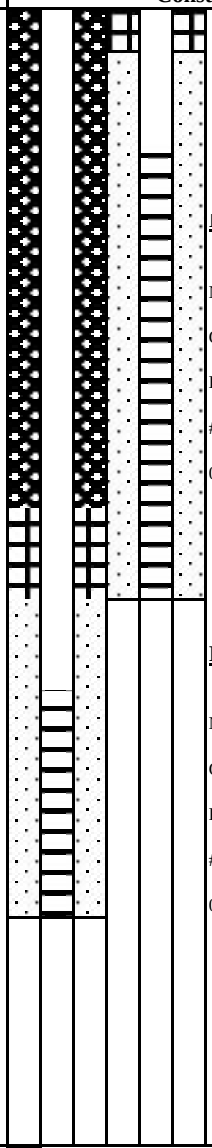
	Bit	Casing	Soil Sampler	Rock Core
Type:	NA	Direct-Push	NA	NA
Size:	NA	3.25"	NA	NA
SPT:	Hammer-	NA	Fall - NA	

Monitoring Well Details

Well Type:	Sch. 40 PVC	Diameter:	2"
Well Head:	J-plug/6" Roadbox	Casing:	2"
Latitude:	220098.65/220099.76	Surface Elev:	75.96/75.95
Longitude:	1188743.47/1188742.75	Casing Elev:	75.76/75.76

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes
26										
28	S-7		25-28'			3.1		Same as above.		
30	S-8	60/43	28-30'			7.8		Same as above.		
								End of soil boring at 30'.		
32										
34										
36										
38										
40										
42										
44										
46										
48										

Test Boring/ Monitoring Well Construction



Notes:
1) Sample collected
2) Sample collected
3) MW-5S and MW-5D were installed in separate boreholes
4)
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks:
1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a Ion Science photoionization detector with a 10.6 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
MW-6(SB-1)
Sheet 1 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/13/2015
Completion Date:	8/4/2015

Drilling Method Details

	Bit	Casing	Rock Core
Type:	NA	Direct-Push	NA
Size:	NA	3.25"	NA
SPT:	Hammer-	NA	NA

Monitoring Well Details

Well Type:	Sch. 40 PVC	Diameter:	2"
Well Head:	J-pug/6" Roadbox	Casing:	2"
Northing:	220129.99	Surface Elev:	75.25
Easting:	1188910.60	Casing Elev:	74.97

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes	Test Boring/ Monitoring Well Construction
2	S-1	Hand Auger	0-2'			0.0		Top soils. Brown fine SAND and SILT, little medium sand, trace coarse sand, trace fine to coarse gravel, trace cobbles.		1	
10	S-2	60/32	5-10'			0.3		Tan fine to medium SAND, little coarse sand, trace fine to coarse gravel.			
	S-3	60/36	10-15'			0.7		Same as above.			
20	S-4	60/20	15-20'			1.8		Same as above.		2	
	S-5	60/35				1.5		Same as above.			

Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4)
5)
6)

Key: Cement; Bedrock; Drill Cuttings/Native Soils; Steel Casing; Bentonite; Grout; Sand; Open bedrock; Screen; Riser

Remarks:
1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a Ion Science photoionization detector with a 10.6 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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Boring/Well ID
MW-6(SB-1)
Sheet 2 of 2

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	Geoprobe 6712DT
Drill Method:	Geoprobe
Foreman:	_____
SCI Inspector:	PJV
Start Date:	7/13/2015
Completion Date:	8/4/2015

Drilling Method Details

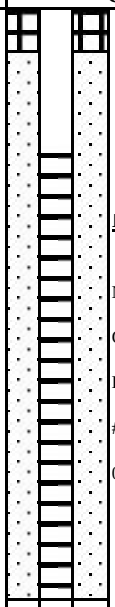
	Bit	Casing	Rock Core
Type:	NA	Direct-Push	NA
Size:	NA	3.25"	NA
SPT:	Hammer-	NA	NA

Monitoring Well Details

Well Type:	Sch. 40 PVC	Diameter:	2"
Well Head:	J-pug/6" Roadbox	Casing:	2"
Northing:	220129.99	Surface Elev:	75.25
Easting:	1188910.60	Casing Elev:	74.97

Depth	Sample ID	Pen./Rec. (in.)	Interval (Ft.)	SPT - Blow/6"	Rock coring time minsec/1'	Field Testing PID (ppmv)	Water Table	Sample Description	Stratum Change (ft.)	Notes
26										
28										
30	S-6	60/33	28-30'			0.8		Same as above.		3
								End of soil boring at 30'.		
32										
34										
36										
38										
40										
42										
44										
46										
48										

Test Boring/ Monitoring Well Construction



Notes:
1) Sample collected
2) Sample collected
3) Sample collected
4)
5)
6)

Key:
Bedrock
Steel Casing
Grout
Open bedrock
Cement
Drill Cuttings/Native Soils
Bentonite
Sand
Screen
Riser

Remarks:
1) Stratification lines represent approximate boundaries between soil types and the transition may be gradual. Water level readings were completed at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurements were made.
2) Field testing values represent total volatile organic vapors (referenced to an isobutylene standard) measured in the headspace of a sealed soil sample with a Ion Science photoionization detector with a 10.6 Ev lamp and set to a reference factor of 0.53 (benzene).
▼= Approximate water table NA=Not Applicable NR=No Recovery bgs=below ground surface ags=above ground surface SAA= Same As Above

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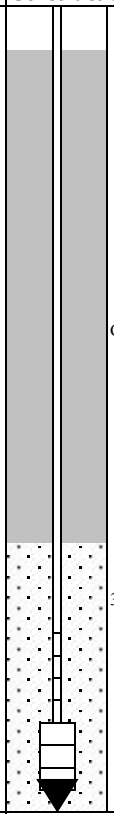
Boring ID: **SVP-1**

Sheet __1___ of ___1__

Client:	First Hartford Corp	Drilling Co.:	EP2		Casing / Sampler
Project:	South Shore Outdoor	Drill Rig:	NA	Type:	NA / NA
Project Number:	FD023	Drill Method:	Hand Auger	Size:	NA / NA
Location:	1760 Fifth Ave Bay Shore, NY	Project Manager:		Hammer	NA
		SCI Inspector:	NZ	Pneumatic	NA
		Start Date:	7/2/2015	Casing Elevation:	TBD
		Completion Date:	7/2/2015	Surface Elevation:	TBD
				Wellhead Type:	NA

Depth	Sample Information: Sample ID	Pen./Rec. (in.)	Interval (Ft.)	Blow/6"	PID (ppmv)	Sample Type	Water Detected	Sample Description	Stratum Change (ft.)	Notes	Soil Gas Point Construction
5.0	S-1	Hand Auger to 5'	0-5'		0.0			Light Tan SAND with gravel			

Construction: 4.5 feet of 3/8-inch diameter polyethylene tubing attached to a 6-inch stainless steel slotted point.



Key:
- Grout
- Bentonite
- Sand
- Native Soil

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Boring ID: **SVP-2**

Sheet __1___ of ___1__

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	NA
Drill Method:	Hand Auger
Project Manager:	
SCI Inspector:	NZ
Start Date:	7/2/2015
Completion Date:	7/2/2015

	Casing	Sampler
Type:	NA	NA
Size:	NA	NA
Hammer		NA
Pneumatic		NA

Casing Elevation:	TBD
Surface Elevation:	TBD
Wellhead Type:	NA

Depth	Sample Information: Sample ID	Pen./Rec. (in.)	Interval (Ft.)	Blow/6"	PID (ppmv)	Sample Type	Water Detected	Sample Description	Stratum Change (ft.)	Notes	Soil Gas Point Construction
1		Hand Auger to 5'									
2											Grout
3											
4											3.5-5' #2 Sand
5.0	S-1		0-5'		0.0			Light Tan fine SAND			

Construction: 4.5 feet of 3/8-inch diameter polyethylene tubing attached to a 6-inch stainless steel slotted point.

Key:
- Grout
- Bentonite
- Sand
- Native Soil

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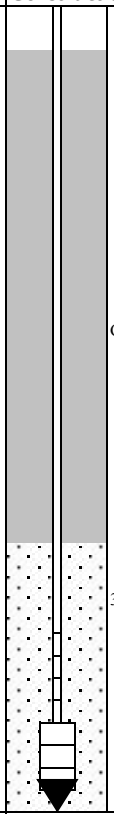
Boring ID: **SVP-3**

Sheet __1___ of ___1__

Client:	First Hartford Corp	Drilling Co.:	EP2		Casing / Sampler
Project:	South Shore Outdoor	Drill Rig:	NA	Type:	NA / NA
Project Number:	FD023	Drill Method:	Hand Auger	Size:	NA / NA
Location:	1760 Fifth Ave Bay Shore, NY	Project Manager:		Hammer	NA
		SCI Inspector:	NZ	Pneumatic	NA
		Start Date:	7/2/2015	Casing Elevation:	TBD
		Completion Date:	7/2/2015	Surface Elevation:	TBD
				Wellhead Type:	NA

Depth	Sample Information: Sample ID	Pen./Rec. (in.)	Interval (Ft.)	Blow/6"	PID (ppmv)	Sample Type	Water Detected	Sample Description	Stratum Change (ft.)	Notes	Soil Gas Point Construction
5.0	S-1	Hand Auger to 5'	0-5'		1.8			Tan fine-medium SAND, some coarse sand, little fine - coarse gravel.			

Construction: 4.5 feet of 3/8-inch diameter polyethylene tubing attached to a 6-inch stainless steel slotted point.



Key:
- Grout
- Bentonite
- Sand
- Native Soil

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Boring ID: **SVP-4**

Sheet __1___ of ___1__

Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	NA
Drill Method:	Hand Auger
Project Manager:	
SCI Inspector:	PJV
Start Date:	7/1/2015
Completion Date:	7/1/2015

	Casing	Sampler
Type:	NA	NA
Size:	NA	NA
Hammer		NA
Pneumatic		NA

Casing Elevation:	TBD
Surface Elevation:	TBD
Wellhead Type:	NA

Depth	Sample Information: Sample ID	Pen./Rec. (in.)	Interval (Ft.)	Blow/6"	PID (ppmv)	Sample Type	Water Detected	Sample Description	Stratum Change (ft.)	Notes	Soil Gas Point Construction
1		Hand Auger to 5'									Grout
2											
3											
4											3.5-5' #2 Sand
5.0	S-1		0-5'		1.8			Tan fine-medium SAND, some coarse sand, little fine - coarse gravel.			

Construction: 4.5 feet of 3/8-inch diameter polyethylene tubing attached to a 6-inch stainless steel slotted point.

Key:
- Grout
- Bentonite
- Sand
- Native Soil

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Boring ID: **SVP-5**

Sheet __1___ of ___1__

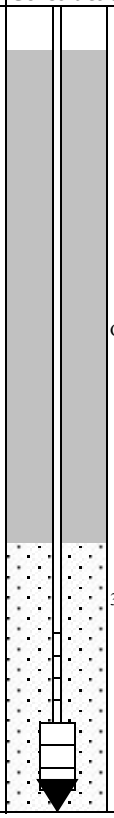
Client:	First Hartford Corp
Project:	South Shore Outdoor
Project Number:	FD023
Location:	1760 Fifth Ave Bay Shore, NY

Drilling Co.:	EP2
Drill Rig:	NA
Drill Method:	Hand Auger
Project Manager:	
SCI Inspector:	NZ
Start Date:	7/2/2015
Completion Date:	7/2/2015

	Casing	Sampler
Type:	NA	NA
Size:	NA	NA
Hammer		NA
Pneumatic		NA

Casing Elevation:	TBD
Surface Elevation:	TBD
Wellhead Type:	NA

Depth	Sample Information: Sample ID	Pen./Rec. (in.)	Interval (Ft.)	Blow/6"	PID (ppmv)	Sample Type	Water Detected	Sample Description	Stratum Change (ft.)	Notes	Soil Gas Point Construction
1		Hand Auger to 5'									
2											
3											
4											
5.0	S-1		0-5'		0.1			Light Brown SAND with fine gravel.			



Construction: 4.5 feet of 3/8-inch diameter polyethylene tubing attached to a 6-inch stainless steel slotted point.

Key:
- Grout
- Bentonite
- Sand
- Native Soil

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Boring ID: **SVP-6**

Sheet __1___ of ___1__

Client:	First Hartford Corp	Drilling Co.:	EP2	Casing	Sampler
Project:	South Shore Outdoor	Drill Rig:	NA	Type: NA	NA
Project Number:	FD023	Drill Method:	Hand Auger	Size: NA	NA
Location:	1760 Fifth Ave Bay Shore, NY	Project Manager:		Hammer	NA
		SCI Inspector:	NZ	Pneumatic	NA
		Start Date:	7/2/2015	Casing Elevation:	TBD
		Completion Date:	7/2/2015	Surface Elevation:	TBD
				Wellhead Type:	NA

Depth	Sample Information: Sample ID	Pen./Rec. (in.)	Interval (Ft.)	Blow/6"	PID (ppmv)	Sample Type	Water Detected	Sample Description	Stratum Change (ft.)	Notes	Soil Gas Point Construction
1		Hand Auger to 5'									Concrete 0-6"
2											Grout
3											
4											3.5-5' #2 Sand
5.0	S-1		0-5'		0.0			Yellow-Orange SAND with fine gravel.			

Construction: 4.5 feet of 3/8-inch diameter polyethylene tubing attached to a 6-inch stainless steel slotted point.

Key:
- Grout
- Bentonite
- Sand
- Native Soil

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Boring ID: **SVP-7**

Sheet __1___ of ___1__

Client:	First Hartford Corp	Drilling Co.:	EP2	Casing	Sampler
Project:	South Shore Outdoor	Drill Rig:	NA	Type: NA	NA
Project Number:	FD023	Drill Method:	Hand Auger	Size: NA	NA
Location:	1760 Fifth Ave Bay Shore, NY	Project Manager:		Hammer	NA
		SCI Inspector:	PJV	Pneumatic	NA
		Start Date:	7/1/2015	Casing Elevation:	TBD
		Completion Date:	7/1/2015	Surface Elevation:	TBD
				Wellhead Type:	NA

Depth	Sample Information: Sample ID	Pen./Rec. (in.)	Interval (Ft.)	Blow/6"	PID (ppmv)	Sample Type	Water Detected	Sample Description	Stratum Change (ft.)	Notes	Soil Gas Point Construction
1		Hand Auger to 5'									Concrete 0-6"
2											Grout
3											
4											3.5-5' #2 Sand
5.0	S-1		0-5'		0.0			Brown fine-medium SAND, little coarse sand, little silt, trace fine - coarse gravel, cobbles observed.			

Construction: 4.5 feet of 3/8-inch diameter polyethylene tubing attached to a 6-inch stainless steel slotted point.

Key:
- Grout
- Bentonite
- Sand
- Native Soil

Appendix E

Groundwater Sampling Logs

GW PROFILE DATA FORM

SITE: First Hartford South Shore Arbor DATE: 7/14/15

PROJECT NO.: FD023 TIME:

PERSONNEL PJV + NAZ WEATHER:

LOCATION ID: GWP-2 65 feet

SAMPLER INFO & NOTES

SAMPLE TIME 1355

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size)

Geoprobe 4'L 1" Dia Steel YSI 6820

Peristaltic Pump + Inertial Pump Combo ~~+~~ Turbidity built in to Flow Cell

1 Vol = 2.6 gallons @ 65 feet

1/4" Tubing ~~LDPE~~

Purged 6 gallons ~~2~~

PURGE READINGS

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	~~X~~ TURBIDITY (NTU)
1010	Purge	to clear	Fines	out of	sample		
1015	—	20.77	332	0.77	6.23	-232.0	1658.9
1020	—	18.88	306	0.52	6.02	-197.9	1632.2
1025	—	18.44	302	1.15	5.84	-136.1	1628.8
1030	—	18.05	296	1.17	5.78	-132.8	1622.7
1035	—	17.64	281	1.88	5.55	-70.7	1617.4
1040	—	17.43	281	1.95	5.52	-71.5	1614.5
1045	—	17.36	274	2.27	5.38	-11.4	174.2
1050	—	16.85	270	2.57	5.25	2.1	397.6
1055		16.91	267	2.77	5.21	-0.3	414.8

GW PROFILE DATA FORM

SITE: DATE: 7/14/15

PROJECT NO.: F0023 TIME:

PERSONNEL WEATHER:

LOCATION ID: GWP-2 60'

SAMPLER INFO & NOTES

SAMPLE TIME

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size)

See previus depth

Purged 8 gallons ±

PURGE READINGS

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)
1110	Purge	5-10 to	clear	Fines	—	—	—
1120	—	15.71	276	3.28	5.15	22.5	803.9
1125	—	16.01	272	3.08	5.24	29.6	1207.3
1130	—	16.18	265	3.56	5.11	37.9	1598.6
1135	—	15.98	260	3.81	4.99	46.4	1593.8
1140	—	16.31	259	3.75	5.19	31.2	314.3
1145	—	16.50	254	3.76	5.14	28.5	1604.4
1150	—	16.12	255	3.70	5.12	28.3	301.6

GW PROFILE DATA FORM

SITE: DATE: 7/14/15

PROJECT NO.: FD023 TIME:

PERSONNEL WEATHER:

LOCATION ID: GWP-2 55'

SAMPLER INFO & NOTES **SAMPLE TIME** 1305

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size)

See previous

Fines building up in flow cell. Turb sensor in flow cell so readings look high. H_2O in General is Cloudy - Clear

Purged ≈ 7 gallons

PURGE READINGS

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)
1220	Purge	for 5-10 mins	to clear		Fines	—	—
1230	—	16.24	278	2.81	5.24	13.8	1102.5
1235	—	15.88	268	3.39	4.96	46.2	1209.7
1240	—	15.57	265	3.84	4.80	47.8	1096.8
1245	—	15.63	271	3.54	5.08	32.2	1591.3
1250	—	15.64	266	3.77	5.00	34.2	1594.2
1255	—	15.74	263	4.11	4.80	42.7	1589.2
1300	—	15.62	262	4.27	4.73	43.5	1241.4
1305	—	15.42	261	4.39	4.78	39.5	516.2

GW PROFILE DATA FORM

SITE: DATE: 7/14/15

PROJECT NO.: FD023 TIME:

PERSONNEL WEATHER:

LOCATION ID: GWA-2 50'

SAMPLER INFO & NOTES **SAMPLE TIME** 1355

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size)

See previus

Purged ≈ 5 gallons

PURGE READINGS

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)
1310	Purged	5-10 mins to	clear	Fines	—	—	
1320	~~—~~	~~11.02~~	255	2.74	5.75	-34.6	867.3
1325	—	16.78	243	3.09	5.25	4.4	706.1
1330	—	16.91	235	3.93	5.12	18.8	605.6
1335	—	16.96	232	4.21	5.13	21.4	525.9
1340	—	16.75	233	4.63	5.19	21.3	612.3
1345	—	16.45	233	4.77	5.02	~~25.1~~	362.2
1350	—	16.33	232	5.23	4.78	34.6	311.2
1355	—	16.44	231	5.34	4.78	33.4	228.5

GW PROFILE DATA FORM

SITE: DATE: 7/16/15

PROJECT NO.: FD023 TIME:

PERSONNEL PJV + NAZ WEATHER: Sunny 75-80°

LOCATION ID: GWP-2 45'

SAMPLER INFO & NOTES

SAMPLE TIME 0850

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size)

Waterra Inertial Pump 1/4" LDPE Tubing

Geopitbe 4'x 1½" Steel Sampler YSI 6820V2

Turbidity meter in Flow cell
Use EP2 Turb meter (Bottom readings)

Purged ≈ 6 gallons

PURGE READINGS MS/MSD

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)
0805		Purge to clear "Fines"					
0810	450	16.29	318	5.24	6.28	-82.1	1488
0815		15.94	302	4.57	5.55	-23.2	978
0820		15.73	294	5.03	5.29	16.8	884
0825		15.69	294	5.06	5.23	31.4	747
0830	Last ½	0 Flow?	Stopped +	diagnosed -	restarted	Sediment Increased	
0835	450	16.73	312	5.47	5.90	-41.2	1606
0840		16.33	288	5.26	5.17	41.9	431
0845		16.28	287	5.62	5.01	48.4	233/290
0850		15.87	285	5.74	4.92	46.4	246/216

GW PROFILE DATA FORM

SITE: DATE: 7/16/15

PROJECT NO.: FD023 TIME:

PERSONNEL WEATHER:

LOCATION ID: GWP-2 40'

SAMPLER INFO & NOTES **SAMPLE TIME** 0950

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size)

See Previous Notes

Purged ≈ 6 gallons

PURGE READINGS

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)
0905	Start, have issues getting consistent flow — Purge for "Fines"						
0915	450	15.34	290	4.74	5.94	-38.9	1380/918
0920		15.09	281	6.12	5.45	16.0	420/430
0925		15.05	277	6.72	5.36	32.5	583/263
0930	500	14.94	272	7.09	5.27	38.6	226/180
0935		14.88	268	7.42	5.22	39.2	149/151
0940		14.86	268	7.33	5.23	38.9	189/113
0945		14.89	264	7.49	5.16	39.5	108/100
0950		14.85	263	7.57	5.21	36.7	172/82

GW PROFILE DATA FORM

SITE: DATE: 7/16/15

PROJECT NO.: FD023 TIME:

PERSONNEL WEATHER:

LOCATION ID: GWP-2 35'

SAMPLER INFO & NOTES **SAMPLE TIME** 1035

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size)

See previus Notes

Purged ≈ 5 gallons

PURGE READINGS

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)
1000	450	Purged to Clear "Fines"					
1005		15.41	448	5.44	5.84	11.5	1580/OVR
1010		15.24	441	6.11	5.51	46.7	1584/1000
1015		15.12	430	6.75	5.35	65.3	1364/557
1020		15.11	421	7.21	5.23	72.8	230/194
1025		15.07	418	7.37	5.18	75.5	180/146
1030		15.12	416	7.55	5.14	77.6	1500+/115
1035		15.10	414	7.61	5.10	77.7	104/77

GW PROFILE DATA FORM

SITE: DATE: 7/16/15

PROJECT NO.: FD023 TIME:

PERSONNEL WEATHER:

LOCATION ID: GWP-3 65'

SAMPLER INFO & NOTES **SAMPLE TIME** 1230

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size)

Waterra Inertial Pump 1/4" LDPE Tubing

Geoprobe 4' x 1½" Steel Sampler YSI 6820V2

Turb meter in flow cell + EPA meter (Bottom readings)

Purged ≈ 7 gallons

PURGE READINGS

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)
1150	600	Purge	to clear	"Fines"			
1205		16.84	414	3.53	5.29	-59.4	1607/OVR
1210		16.47	407	2.31	4.99	-46.8	1601/OVR
1215		16.14	399	2.50	4.77	-29.6	1548/OVR
1220		16.00	396	2.67	4.72	-24.1	1593/OVR
1225		15.84	394	2.95	4.67	-20.2	1077/OVR
1230		15.75	392	3.14	4.64	-18.9	706/971

GW PROFILE DATA FORM

SITE: DATE: 7/16/15

PROJECT NO.: FD023 TIME:

PERSONNEL WEATHER:

LOCATION ID: GWP-3 60'

SAMPLER INFO & NOTES **SAMPLE TIME** 1325

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size)

See previus

Purged ≈ 7 gallons

PURGE READINGS

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)
1245	600	Purged to clear		"Fines"			
1255	~~450~~	15.39	382	3.28	5.52	-73.8	1483/OVR
1300		15.19	365	3.09	4.85	-31.1	678/960
1305		15.22	364	3.33	4.79	-26.2	444/655
1310		15.09	362	3.78	4.75	-23.1	437/477
1315		15.12	361	3.96	4.76	-23.4	466/450
1320		15.08	360	4.20	4.73	-22.3	281/284
1325		15.07	360	4.28	4.70	-21.4	248/255

GW PROFILE DATA FORM

SITE: DATE: 7/16/15

PROJECT NO.: FD023 TIME:

PERSONNEL WEATHER:

LOCATION ID: GWP-3 55'

SAMPLER INFO & NOTES

SAMPLE TIME 1420

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size)

See previus

Purged ~ 6 gallons

PURGE READINGS

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)
1340		Purged to clear "Flows"					
1345	550	15.10	362	2.46	4.95	-44.2	576/615
1350		15.04	358	3.33	4.73	-24.8	342/346
1355		15.00	357	3.99	4.65	-20.3	212/181
1400		15.05	358	4.20	4.64	-20.7	178/189
1405		14.99	357	4.41	4.63	-21.2	150/132
1410		15.00	358	4.60	4.63	-21.6	140/114
1415		15.01	358	4.67	4.62	-21.9	132/119
1420		15.02	358	4.65	4.62	-21.8	104/112

GW PROFILE DATA FORM

SITE: DATE: 7/17/15

PROJECT NO.: FD023 TIME:

PERSONNEL WEATHER: Sunny 75-80°

LOCATION ID: GWP 3 50'

SAMPLER INFO & NOTES **SAMPLE TIME** 0830

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size)

Geoprobe 4'x1" Steel
Waterra Inertial Pump
1/4" LDPE tubing

YSI 6820 V2 w/ in Cell turb
EPA HNVA Turbidity meter

Purged ≈ 6 gallons

PURGE READINGS

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)
0745							
0850	500	14.95	476	1.44	5.04	-121.0	1567/1000
0755		14.87	467	1.48	4.59	-99.1	1553/456
0800		14.87	466	1.56	4.47	-91.2	237/201
0805		14.89	467	1.60	4.40	-86.9	189/171
0810		14.97	470	1.64	4.42	-86.5	163/146
0815		14.94	469	1.70	4.41	-86.1	124/105
0820		14.99	470	1.73	4.41	-83.8	102/93
0825		14.99	471	1.70	4.40	-84.2	57/45
0830		15.00	471	1.71	4.40	-84.3	56/42

GW PROFILE DATA FORM

SITE: DATE: 7/17/15

PROJECT NO.: F0023 TIME:

PERSONNEL WEATHER:

LOCATION ID: GWP-345'

SAMPLER INFO & NOTES

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size, H2O Observations [i.e. clarity, odor])

See previous depths

PURGE READINGS **PURGE START TIME** 0840

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)	NOTES & OBSERVATIONS
0840	550							
0845		15.41	579	0.93	4.45	-101.4	206/93	
0850		15.19	575	0.70	4.28	-98.9	~~178~~/156	
0855		15.20	579	0.76	4.27	-99.3	140/115	
0900		15.20	582	0.65	4.28	-100.1	105/92	
0905		15.22	581	0.72	4.27	-102.9	110/77	
0910		15.27	585	0.85	4.29	-100.6	116/65	
0915		15.27	585	0.88	4.29	-100.5	67/56	
0920								
0925								

SAMPLE TIME 0915 **PURGE VOLUME** 6 gallons

GW PROFILE DATA FORM

SITE: DATE: 7/17/15

PROJECT NO.: FD 023 TIME:

PERSONNEL WEATHER:

LOCATION ID: GWP 3 40'

SAMPLER INFO & NOTES **SAMPLE TIME** 1010

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size)

See previous depths

Purged ≈ 6 gallons

PURGE READINGS

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)
0925	500						
0930		15.51	521	3.63	5.20	-136.0	503/763
0935		14.99	496	0.85	4.61	-121.0	248/197
0940		15.12	498	0.83	4.55	-120.1	106/96
0945		15.14	499	0.84	4.59	-124.4	117/86
0950		15.12	500	0.88	4.54	-122.5	102/76
0955		15.04	499	0.95	4.52	-122.9	88/60
1000		15.07	500	1.01	4.59	-127.4	80/48
1005		14.98	500	1.08	4.50	-124.5	72/47
1010		15.09	502	1.16	4.58	-129.4	63/41

GW PROFILE DATA FORM

SITE: DATE: 7/17/15

PROJECT NO.: FD023 TIME:

PERSONNEL WEATHER:

LOCATION ID: GWP-3 35'

SAMPLER INFO & NOTES **SAMPLE TIME** 1105

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size)

See previous depths

Purged ≈ 6 gallons

PURGE READINGS

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)
1025	550						
1030		14.90	628	1.62	4.53	-134.5	312/357
1035		14.81	626	1.55	4.47	-132.1	212/217
1040		14.87	626	1.59	4.44	-130.7	163/136
1045		14.78	626	1.38	4.43	-132.4	87/139
1050		14.74	626	1.50	4.47	-131.3	123/86
1055		1474	625	1.51	4.43	-130.4	106/86
1100		14.73	625	1.54	4.45	-129.8	95/80
1105		14.73	624	1.55	4.41	-130.1	101/53
1110							

GW PROFILE DATA FORM

SITE: DATE: 7/20/15

PROJECT NO.: FD023 TIME:

PERSONNEL PJV WEATHER:

LOCATION ID: GWP-1 65

SAMPLER INFO & NOTES

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size, H2O Observations [i.e. clarity, odor])

Geoprobe 4'x 1/2" Steel screen
Waterra Inertial Pump
1/4" Tubing LDPE
YSI 6820 V2, Turb in Flow Cell
EPA - Turb meter HANNA 98703
DO membrane broken

PURGE READINGS **PURGE START TIME** 0820

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)	NOTES & OBSERVATIONS
0835	600	16.66	365	0.76	5.86	-164.6	1604/OVR	
0840		16.45	358	0.83	5.71	-100.1	1601/OVR	
0845		1629	346	1.92	5.42	22.8	1599/OVR	
0850		16.20	340	1.96	5.40	23.9	1599/OVR	
0855		16.12	337	2.42	5.31	27.4	1525/OVR	
0900		16.07	333	3.12	5.23	30.9	1073/1000	
0905		16.09	332	3.29	5.17	32.5	777/1000	Cloudy
0910		16.04	331	3.48	5.11	33.2	589/818	

SAMPLE TIME 0910 **PURGE VOLUME** 6.7 Gallons

GW PROFILE DATA FORM

SITE: DATE: 7/20/15

PROJECT NO.: FD023 TIME:

PERSONNEL WEATHER:

LOCATION ID: GWP-1 60'

SAMPLER INFO & NOTES

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size, H2O Observations [i.e. clarity, odor])

PURGE READINGS **PURGE START TIME** 0930

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)	NOTES & OBSERVATIONS
0940	650	17.58	341	5.78	5.81	29.2	515/618	
0945		16.58	334	3.12	5.30	42.2	395/474	
0950		16.45	330	4.29	5.17	50.9	276/351	
0955		16.40	327	4.70	5.14	55.6	202/205	
1000		16.39	324	5.50	5.11	58.4	162/141	
1005		16.43	323	5.51	5.14	56.4	141/147	
1010		16.36	322	5.59	5.11	58.4	116/107	
1015		16.37	322	6.23	5.11	57.9	106/94	

SAMPLE TIME 1015 **PURGE VOLUME** 7 gallons

GW PROFILE DATA FORM

SITE: DATE: 7/20/15

PROJECT NO.: F0023 TIME:

PERSONNEL WEATHER:

LOCATION ID: GWP-1 55'

SAMPLER INFO & NOTES

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size, H2O Observations [i.e. clarity, odor])

PURGE READINGS **PURGE START TIME** 1030

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)	NOTES & OBSERVATIONS
1040	650	16.40	305	4.99	5.27	26.3	1002/1000	
1045		16.30	300	4.51	5.15	30.8	498/543	
1050		16.27	296	6.33	5.08	30.4	285/273	
1055		1631	294	5.89	5.12	31.4	225/202	
1100		16.35	294	7.23	5.06	32.8	178/170	
1105		16.32	293	7.28	5.07	31.2	151/111	
1110		16.30	292	7.34	5.06	30.9	128/123	

SAMPLE TIME 1110 **PURGE VOLUME** 6.7 gallons

GW PROFILE DATA FORM

SITE: DATE: 7/20/15

PROJECT NO.: FD023 TIME:

PERSONNEL WEATHER:

LOCATION ID: GWP-1 50'

SAMPLER INFO & NOTES

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size, H2O Observations [i.e. clarity, odor])

PURGE READINGS **PURGE START TIME** 1120

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)	NOTES & OBSERVATIONS
1130		16.79	285	4.70	5.33	24.3	537/575	
1135		16.57	277	6.09	5.18	31.7	261/226	
1140		16.53	275	7.51	5.18	33.2	187/149	
1145		16.44	273	7.83	5.15	33.1	147/107	
1150		16.43	271	8.09	5.16	32.1	117/84	
1155		16.44	271	8.25	5.15	31.8	123/78	
1200		16.46	270	8.33	5.17	30.8	105/67	

SAMPLE TIME 1200 **PURGE VOLUME** 6 Gallons

GW PROFILE DATA FORM

SITE: DATE: 7/20/15

PROJECT NO.: FD023 TIME:

PERSONNEL WEATHER:

LOCATION ID: GWP-1 45'

SAMPLER INFO & NOTES

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size, H2O Observations (I.e. clarity, odor))

PURGE READINGS **PURGE START TIME** 1215

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)	NOTES & OBSERVATIONS
1225	600	16.42	357	3.54	5.46	25.9	700/767	
1230		16.07	351	4.05	5.38	38.8	436/444	
1235		16.05	349	5.06	5.39	44.7	249/227	
1240		16.17	347	5.90	5.40	48.5	246/166	
1245		16.20	347	5.32	5.41	45.7	141/120	
1250		16.22	348	5.35	5.40	46.7	210/208	
1255		16.21	348	5.38	5.41	46.4	180/165	
1300		16.22	349	5.39	5.41	46.3	170/143	

SAMPLE TIME 1305 **PURGE VOLUME** 6 gallons

GW PROFILE DATA FORM

SITE: DATE: 7/20/15

PROJECT NO.: TIME:

PERSONNEL WEATHER:

LOCATION ID: GWP-1 40'

SAMPLER INFO & NOTES

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size, H2O Observations [i.e. clarity, odor])

PURGE READINGS **PURGE START TIME** 1335

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)	NOTES & OBSERVATIONS
1345	600	16.76	265	1.92	5.64	3.1	755/1000	
1350		16.62	258	1.90	5.58	26.4	354/355	
1355		16.61	255	2.08	5.59	34.6	259/247	
1400		16.51	253	2.10	5.59	41.5	198/178	
1405		16.50	252	2.17	5.61	43.0	166/143	
1410		16.54	251	2.32	5.60	46.1	145/97	
1415		16.57	250	2.36	5.59	47.3	128/91	

SAMPLE TIME 1415 **PURGE VOLUME** 6 gallons

GW PROFILE DATA FORM

SITE: DATE: 7/20/15

PROJECT NO.: TIME:

PERSONNEL WEATHER:

LOCATION ID: GWP-1 35'

SAMPLER INFO & NOTES

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size, H2O Observations [i.e. clarity, odor])

PURGE READINGS **PURGE START TIME** 1430

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)	NOTES & OBSERVATIONS
1440	400	16.94	130	1.01	5.71	-64.4	1250 / OVR	
1445		16.52	122	0.41	5.66	-104.5	1142 / OVR	
1450		16.33	117	0.51	5.58	-113.6	756 / 931	
1455		16.27	112	0.48	5.63	-125.4	553 / 609	
1500		16.32	110	0.30	5.72	-134.2	373 / 402	
1505		16.36	109	0.41	5.76	-138.1	246 / 260	
1510		16.35	108	0.37	5.70	-139.7	242 / 237	

SAMPLE TIME 1510 **PURGE VOLUME** 4 gallons

GW PROFILE DATA FORM

SITE: DATE: 7/21/15

PROJECT NO.: FD023 TIME:

PERSONNEL PJV WEATHER:

LOCATION ID: GWP-5-45'

SAMPLER INFO & NOTES

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size, H2O Observations [i.e. clarity, odor])

Geoprobe 4'x 1/2" steel sampler
1/4" LDPE tubing
Waterra Pump

YSI 6820v2 - DO Still questionable
Using EPA Turb meter HANNA + Internal Flow cell

PURGE READINGS **PURGE START TIME** 0750

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)	NOTES & OBSERVATIONS
0800	650	17.55	249	1.11	5.19	-96.8	1054/OVR	
0805		17.34	247	0.93	5.13	-84.2	864/OVR	
0810		17.08	244	0.91	5.05	-74.3	710/NA	
0815		16.92	242	1.44	5.01	-39.7	603/897	
0820		16.82	241	2.30	4.97	-8.6	492/715	
0825		16.79	241	2.58	4.98	-4.4	439/654	
0830		16.77	240	3.24	4.96	1.2	380/548	
0835		16.71	240	3.49	4.95	5.6	334/503	

SAMPLE TIME 0835 **PURGE VOLUME** 6 gallons

GW PROFILE DATA FORM

SITE: DATE: 7/21/15

PROJECT NO.: FD023 TIME:

PERSONNEL PJL WEATHER:

LOCATION ID: GWP-6 40

SAMPLER INFO & NOTES

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size, H2O Observations [i.e. clarity, odor])

Sample methods same as previous

New YSI 600 XLM
HACH 2100 Turbidity meter

PURGE READINGS **PURGE START TIME** 1310

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)	NOTES & OBSERVATIONS
Issues getting Flow								
1325	500	18.19	543	4.19	5.16	27.2	OVR	
1330		16.31	522	2.85	4.63	152.7	610	
1335		15.83	540	2.16	4.27	338.1	265	
1340		15.64	542	1.61	4.36	307.6	187	
1345		15.57	541	1.19	3.97	464.9	180	
1350		15.51	541	0.92	3.89	502.6	141	

SAMPLE TIME 1350 **PURGE VOLUME** 5 gallons

GW PROFILE DATA FORM

SITE: DATE: 7/21/15

PROJECT NO.: F0023 TIME:

PERSONNEL PJV WEATHER:

LOCATION ID: GWP-6 35

SAMPLER INFO & NOTES

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size, H2O Observations [i.e. clarity, odor])

See previous depths YSI 600XLM + HACH Turb meter

PURGE READINGS **PURGE START TIME** 1420

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)	NOTES & OBSERVATIONS
1430	500	15.81	503	1.16	4.53	111.3	676	
1435		15.11	489	0.90	3.96	346.1	207	
1440		15.04	490	0.77	3.81	403.5	147	
1445		14.98	491	0.68	3.78	421.9	104	
1450		14.99	490	0.61	3.93	314.1	113	
1455		14.97	491	0.57	3.82	335.6	109	
1500		14.97	491	0.58	3.81	344.3	102	

SAMPLE TIME 1500 **PURGE VOLUME** 5 gallons

GW PROFILE DATA FORM

SITE: DATE: 7/21/15

PROJECT NO.: FD023 TIME:

PERSONNEL DJV WEATHER:

LOCATION ID: GWP-5 40'

SAMPLER INFO & NOTES

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size, H2O Observations (i.e. clarity, odor))

SEE Previous Depths

MS/MSD Black Sediment at startup -0410

PURGE READINGS **PURGE START TIME** 0905

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)	NOTES & OBSERVATIONS
0915	600	17.47	257	0.83	5.75	-218.0	241/314	Cloudy Gray
0920		17.18	255	0.79	5.74	-206.8	181/214	Cloudy
0925		17.20	253	0.50	5.77	-202.6	154/184	
0930		17.25	251	0.40	5.87	-203.0	129/153	
0935		17.32	252	0.15	5.91	-203.4	113/143	
0940		17.17	252	0.27	5.89	-200.2	120/106	
0945		17.22	251	0.08	5.90	-199.6	145/96	Clear
0950		17.24	254	0.22	5.91	-200.8	101/83	Clear

SAMPLE TIME 0950

PURGE VOLUME 6.99 Gallons

GW PROFILE DATA FORM

SITE: DATE: 7/21/15

PROJECT NO.: FD023 TIME:

PERSONNEL PJV WEATHER:

LOCATION ID: GWP-5 35'

SAMPLER INFO & NOTES

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size, H2O Observations [i e. clarity, odor])

See previous depths DUP-2015-07-21DUP

PURGE READINGS **PURGE START TIME** 1030

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)	NOTES & OBSERVATIONS
1040	450	20.01	187	1.43	6.14	-111.7	984/OVR	
1045		18.34	179	0.89	5.75	-95.7	844/1000	
1050		18.00	172	0.81	5.70	-94.9	522/621	
1055		17.96	169	0.72	569	-83.2	362/410	
1100		17.87	165	0.43	5.70	-74.2	276/344	
1105		17.76	163	0.45	5.71	-65.7	227/232	
1110		17.76	161	0.46	5.75	-56.4	183/179	
1115		17.73	160	0.47	5.76	-55.4	150/133	

SAMPLE TIME 1115 **PURGE VOLUME** 5 gallons

GW PROFILE DATA FORM

SITE: DATE: 7/22/15

PROJECT NO.: F0023 TIME:

PERSONNEL PJV WEATHER:

LOCATION ID: GWP-5 65

SAMPLER INFO & NOTES

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size, H2O Observations [i.e. clarity, odor])

Geoprobe 4'x1½" Steel screen
Waterra Inertial Pump
1/4" LDPE
YSI 600 XLM + HACH 2100 Q
Begin at 800 ml/min to Purge Fines – drop down to 500 after 5 mins

PURGE READINGS **PURGE START TIME** 0735

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)	NOTES & OBSERVATIONS
0745	500	17.18	711	3.30	4.93	139.9	OVR	
0750		17.00	716	2.17	4.72	282.9	OVR	
0755		16.97	719	1.29	4.62	352.5	926	
0800		16.73	728	0.92	4.59	381.7	600	
0805		16.61	733	0.72	4.62	259.3	406	
0810		16.66	718	0.50	4.54	396.4	338	
0815		16.54	737	0.39	4.51	401.4	311	
0820		16.51	739	0.31	4.50	432.6	280	

SAMPLE TIME 0820 **PURGE VOLUME** 6 gallons

GW PROFILE DATA FORM

SITE: DATE: 7/22/15

PROJECT NO.: FD023 TIME:

PERSONNEL PJV WEATHER:

LOCATION ID: GWP-5 60'

SAMPLER INFO & NOTES

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size, H2O Observations [i.e. clarity, odor])

PURGE READINGS **PURGE START TIME** 0835

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)	NOTES & OBSERVATIONS
0840	500	16.83	554	1.36	4.94	410.3	757	
0845		16.63	542	0.32	4.81	426.4	449	
0850		16.50	542	0.26	4.73	449.5	359	
0855		16.41	543	0.22	4.66	472.8	360	
0900		16.34	545	0.20	4.58	504.9	286	
0905		16.29	546	0.19	4.49	532.4	269	
0910		16.30	547	0.18	4.41	557.7	238	
0915		16.32	549	0.18	4.39	576.7	230	

SAMPLE TIME 0915 **PURGE VOLUME** 5 gallons

GW PROFILE DATA FORM

SITE: DATE: 7/22/15

PROJECT NO.: F0023 TIME:

PERSONNEL PJV WEATHER:

LOCATION ID: GWP-5 55

SAMPLER INFO & NOTES

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size, H2O Observations (i.e. clarity, odor))

PURGE READINGS **PURGE START TIME** 0925

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)	NOTES & OBSERVATIONS
0930	500	17.10	567	1.74	5.00	476.4	OVR	
0935		16.81	559	0.43	4.87	444.2	588	
0940		16.94	558	0.38	4.78	487.3	416	
0945		16.88	558	0.34	4.75	506.3	342	
0950		16.83	558	0.30	4.68	522.8	273	
0955		16.90	559	0.26	4.67	530.9	213	
1000		16.86	559	0.23	4.65	535.4	186	
1005		16.86	558	0.21	4.64	542.1	166	
1010		16.87	558	0.20	4.67	547.2	146	

SAMPLE TIME 1010 **PURGE VOLUME** 3 gallons

GW PROFILE DATA FORM

SITE: DATE: 7/22/15

PROJECT NO.: TIME:

PERSONNEL WEATHER:

LOCATION ID: GWP 5 50

SAMPLER INFO & NOTES

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size, H2O Observations (i.e. clarity, odor))

PURGE READINGS **PURGE START TIME** 1020

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)	NOTES & OBSERVATIONS
1030	500	17.23	421	1.41	4.77	581.7	220	
1035		17.13	417	0.61	4.71	585.0	149	
1040		17.10	416	0.43	4.69	592.6	110	
1045		17.01	3415	0.36	4.63	604.9	96	
1050		16.97	416	0.36	4.64	607.2	87.4	
1055		16.98	416	0.34	4.59	616.1	67.9	
1100		16.99	415	0.34	4.57	618.5	68.7	

SAMPLE TIME 1100 **PURGE VOLUME** 5 gallons

GW PROFILE DATA FORM

SITE: DATE: 7/22/15

PROJECT NO.: FD023 TIME:

PERSONNEL PJV WEATHER:

LOCATION ID: GWP-6 65

SAMPLER INFO & NOTES

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size, H2O Observations (i.e. clarity, odor))

DO + ORP are reading within range of standard
Check YSI for DO + ORP readings between GWP-5 + 6

PURGE READINGS **PURGE START TIME** 1150

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)	NOTES & OBSERVATIONS
1200	500	17.30	435	0.40	5.44	152.2	OVR	
1205		16.58	429	0.30	5.23	241.1	OVR	
1210		16.33	423	0.22	5.04	297.0	OVR	
1215		16.17	419	0.15	4.93	346.1	OVR	
1220		16.03	417	0.20	4.89	389.5	OVR	
1225		15.79	418	0.22	4.81	394.6	OVR	
1230		15.83	417	0.24	4.78	413.6	OVR	
1235		15.70	418	0.24	4.76	424.6	OVR	

SAMPLE TIME 1235 **PURGE VOLUME** 5 gallons

GW PROFILE DATA FORM

SITE: DATE: 7/22

PROJECT NO.: F0023 TIME:

PERSONNEL PJV WEATHER:

LOCATION ID: GWP-6 60'

SAMPLER INFO & NOTES

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size, H2O Observations [i.e. clarity, odor])

PURGE READINGS **PURGE START TIME** 1250

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)	NOTES & OBSERVATIONS
1300	500	16.30	401	0.48	5.12	367.8	OVR	
1305		16.20	398	0.49	5.05	405.5	OVR	
1310		16.27	393	0.58	4.98	442.4	940	
1315		16.25	390	0.66	4.84	481.7	734	
1320		16.12	389	0.75	4.78	508.7	606	
1325		16.19	389	0.80	4.72	530.6	544	
1330		16.13	387	0.84	4.67	545.8	455	

SAMPLE TIME 1330 **PURGE VOLUME** 5 Gallons

GW PROFILE DATA FORM

SITE: DATE: 7/22/15

PROJECT NO.: F0023 TIME:

PERSONNEL PJV WEATHER:

LOCATION ID: GWP-6 55

SAMPLER INFO & NOTES

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size, H2O Observations [i.e. clarity, odor])

PURGE READINGS **PURGE START TIME** 1340

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)	NOTES & OBSERVATIONS
1350	500	16.89	372	2.48	5.26	162.2	687	
1355		16.89	365	2.66	5.03	316.4	461	
1400		16.77	362	2.82	4.85	414.4	320	
1405		16.46	358	3.13	4.72	491.7	272	
1410		16.68	356	3.31	4.65	530.3	260	
1415		16.30	355	3.52	4.58	552.3	207	
1420		16.38	355	3.57	4.53	571.6	186	

SAMPLE TIME 1420 **PURGE VOLUME** 5 gallons

GW PROFILE DATA FORM

SITE: DATE: 7/22/15

PROJECT NO.: FD073 TIME:

PERSONNEL PJV WEATHER:

LOCATION ID: GWP-6 50

SAMPLER INFO & NOTES

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size, H2O Observations (i.e. clarity, odor))

PURGE READINGS **PURGE START TIME** 1430

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)	NOTES & OBSERVATIONS
1440	500	16.05	307	4.54	5.18	435.8	378	
1445		16.08	300	4.94	5.00	566.8	208	
1450		16.03	296	5.16	4.88	606.9	199	
1455		16.17	293	5.36	4.81	627.3	150	
1500		15.89	292	5.51	4.77	637.5	125	
1505		16.05	289	5.60	4.75	642.6	180	
1510		16.07	288	5.70	4.73	649	123	
1515		16.04	287	5.73	4.67	657.3	99.3	

SAMPLE TIME 1515 **PURGE VOLUME** 5 gallons

GW PROFILE DATA FORM

SITE: DATE: 7/22/15

PROJECT NO.: FD023 TIME:

PERSONNEL WEATHER:

LOCATION ID: GWP-6 45

SAMPLER INFO & NOTES

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size, H2O Observations (i.e. clarity, odor))

PURGE READINGS **PURGE START TIME** 1525

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)	NOTES & OBSERVATIONS
1535	500	15.77	264	6.18	5.35	206.6	362	
1540		15.72	259	6.42	5.12	476.5	208	
1545		15.60	258	6.54	5.02	576.4	141	
1550		15.64	257	6.60	4.90	625.1	114	
1555		15.75	256	6.59	4.88	640.1	90.8	
1600		15.76	255	6.71	4.88	649.6	76.3	
1605		15.72	255	6.76	4.88	652.8	76.8	
1610		15.74	255	6.75	4.90	653.4	74.3	

SAMPLE TIME 1610 **PURGE VOLUME** 5 gallons

GW PROFILE DATA FORM

SITE: DATE: 7/23/15

PROJECT NO.: FD023 TIME:

PERSONNEL PJL WEATHER:

LOCATION ID: GWP 694 - 65'

SAMPLER INFO & NOTES

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size, H2O Observations [i.e. clarity, odor])

Geoprobe 4'x1½" steel screen
Waterra Inertial Pump
¼" LDPE Tubing
YSI 600XLM + HACH 2100Q Turb. meter

PURGE READINGS **PURGE START TIME** 0730

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)	NOTES & OBSERVATIONS
0740	700							
0745	500	16.25	431	1.07	5.63	205.0	OVR	
0750		16.12	418	1.70	5.46	278.4	OVR	
0755		15.95	407	2.24	5.24	375.9	OVR	
0800		15.80	400	2.58	4.97	479.7	OVR	
0805		15.78	397	2.70	4.94	506.7	OVR	
0810		15.72	396	2.87	4.90	536.4	864	
0815		15.67	393	3.00	4.88	545.6	670	

SAMPLE TIME 0815 **PURGE VOLUME** 7gallons

GW PROFILE DATA FORM

SITE: DATE: 7/23/15

PROJECT NO.: FU073 TIME:

PERSONNEL PJV WEATHER:

LOCATION ID: GWP 4 60

SAMPLER INFO & NOTES

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size, H2O Observations [i.e. clarity, odor])

See previous depths

MS/MSD

PURGE READINGS **PURGE START TIME** 0830

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)	NOTES & OBSERVATIONS
0840	500	16.40	457	0.98	5.31	99.7	OVR	
0845		16.23	446	1.20	5.16	261.6	906	
0850		16.15	446	1.57	5.01	403.2	465	
0855		16.18	444	1.59	4.93	476.1	363	
0900		16.16	443	1.64	4.89	517.8	307	
0905		16.12	443	1.79	4.83	546.7	265	
0910		16.08	442	1.84	4.82	557.3	266	
0915		16.07	442	1.81	4.82	553.8	262	

SAMPLE TIME 0915 **PURGE VOLUME** 6 gallons

GW PROFILE DATA FORM

SITE: DATE: 7/23/15

PROJECT NO.: FD023 TIME:

PERSONNEL WEATHER:

LOCATION ID: GWP-4 SS

SAMPLER INFO & NOTES

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size, H2O Observations [i.e. clarity, odor])

See previous depths

PURGE READINGS **PURGE START TIME** 0930

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)	NOTES & OBSERVATIONS
0940		15.77	465	0.72	5.25	282.1	OVR	
0945	500	15.62	433	0.46	4.90	515.9	812	
0950		15.60	431	0.41	4.80	563.5	514	
0955		15.63	448	0.42	4.74	586.5	371	
1000		15.61	447	0.41	4.70	592.8	277	
1005		15.59	446	0.28	4.67	603.3	215	
1010		15.64	446	0.21	4.66	608.0	191	
1015		15.64	446	0.22	4.63	614.7	133	

SAMPLE TIME 1015 **PURGE VOLUME** 5 gallons

GW PROFILE DATA FORM

SITE: DATE: 7/23/15

PROJECT NO.: F1023 TIME:

PERSONNEL PJV WEATHER:

LOCATION ID: GWP-4 50

SAMPLER INFO & NOTES

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size, H2O Observations (i.e. clarity, odor))

See previous depths

PURGE READINGS **PURGE START TIME** 1030

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)	NOTES & OBSERVATIONS
1040	500	15.95	494	0.40	4.70	616.9	311	
1045		15.83	494	0.29	4.58	636.3	240	
1050		15.90	494	0.25	4.52	647.1	169	
1055		15.82	495	0.23	4.47	653.0	140	
1100		15.81	495	0.21	4.40	661.9	105	
1105		15.80	496	0.20	4.38	664.8	95.4	
1110		15.82	496	0.20	4.34	670.2	86.1	
1115								

SAMPLE TIME 1110 **PURGE VOLUME** 5 gallons

GW PROFILE DATA FORM

SITE: DATE: 7/23/15

PROJECT NO.: F0023 TIME:

PERSONNEL DJV WEATHER:

LOCATION ID: GWP-4 45

SAMPLER INFO & NOTES

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size, H2O Observations [i.e. clarity, odor])

See previous depths

PURGE READINGS **PURGE START TIME** 1120

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)	NOTES & OBSERVATIONS
1130	500	16.04	631	0.59	4.60	619.1	639	
1135		16.12	631	0.34	4.46	649.5	328	
1140		16.03	632	0.29	4.36	670.2	190	
1145		16.07	633	0.29	4.33	675.4	158	
1150		16.07	635	0.28	4.29	680.3	120	
1155		16.16	635	0.28	4.25	684.8	93.1	
1200		16.09	637	0.29	4.24	687.4	86.5	
1205								

SAMPLE TIME 1200 **PURGE VOLUME** 5 gallons

GW PROFILE DATA FORM

SITE: DATE: 7/23/15

PROJECT NO.: FD023 TIME:

PERSONNEL PJV WEATHER:

LOCATION ID: GWP-4 40'

SAMPLER INFO & NOTES

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size, H2O Observations (i.e. clarity, odor))

See previous depths

DUP = 2015-07-23 DUP

PURGE READINGS **PURGE START TIME** 1220

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)	NOTES & OBSERVATIONS
1230	400	18.08	592	3.20	5.17	530.6	OVR	
1235		18.06	554	4.79	5.20	471.5	OVR	
1240		17.38	548	0.62	4.72	487.9	OVR	ClearCell
1245		17.59	541	1.30	4.44	605.8	713	
1250		17.50	543	0.33	4.29	645.7	318	
1255		17.22	542	0.28	4.22	668.1	204	
1300		17.06	544	0.26	4.18	679.7	164	
1305		17.20	543	0.25	4.13	687.6	119	
1310		17.12	544	0.24	4.08	692.6	104	

SAMPLE TIME 1310 **PURGE VOLUME** 4 gallons

GW PROFILE DATA FORM

SITE: DATE: 7/23/15

PROJECT NO.: FD023 TIME:

PERSONNEL PSL WEATHER:

LOCATION ID: GWP-435'

SAMPLER INFO & NOTES

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size, H2O Observations [i.e. clarity, odor])

See previous depths

PURGE READINGS **PURGE START TIME** 1320

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)	NOTES & OBSERVATIONS
1330	400	15.69	373	4.28	5.60	-115.9	OVR	
1335		15.90	374	4.25	5.50	-102.4	OVR	
1340		15.73	344	5.26	5.21	-10.6	354	
1345		15.71	337	5.66	5.08	73.7	218	
1350		15.68	333	5.96	4.94	226.7	125	
1355		15.64	332	6.12	4.83	335.8	97.9	
1400		15.89	332	6.20	4.78	433.1	76.1	
1405		15.94	333	6.17	4.72	506.3	59.2	

SAMPLE TIME 1405 **PURGE VOLUME** 4 gallons

GW DATA FORM

SITE: South Shore Outdoor DATE: 8/18/15

PROJECT NO.: FD023 TIME:

PERSONNEL A. Tom, N. Zoccoli WEATHER: Hot Humid 85° overcast

LOCATION ID: MW-15

SAMPLER INFO & NOTES

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size, H2O Observations [i.e. clarity, odor])

QED micropurge P10

Initial DTW after pump installed 30.57' stabilized at 29.68'

PURGE READINGS **PURGE START TIME** 7:47

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)	NOTES & OBSERVATIONS
~~7:47~~								
7:58	400	16.90	253	0.84	5.94	95.7	7.57	
8:07	200	16.86	250	0.38	5.25	112.0	—	Recalibrated
8:17		16.89	215	0.33	5.16	113.6	—	Turbidity meter
8:43	90	19.37	262	0.70	5.33	105	6.25	DTW - 30.57
8:50	~~400~~ 90	19.25	262	0.51	5.36	110	1.88	
8:55	90	19.12	262	0.43	5.32	110	0.91	DTW 30.57
9:00	90	19.43	262	0.42	5.36	111	0.66	
9:05	90	19.56	261	0.44	5.35	111.8	0.65	
10:20							0.85	

SAMPLE TIME 9:10 - start
10:40 - end

PURGE VOLUME ~ 4 gal.

GW DATA FORM

SITE: South Shore Outdoor DATE: 8/18/15

PROJECT NO.: ED023 TIME:

PERSONNEL A. Tom / N. Zarcone WEATHER: Hot, Sunny, Humid 82°

LOCATION ID: MW-1D

SAMPLER INFO & NOTES

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size, H2O Observations [i.e. clarity, odor])

Initial DTW with pump 30.65'

PURGE READINGS **PURGE START TIME** 11:00

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)	NOTES & OBSERVATIONS
11:00	175						44.4	DTW 30.66
11:10	200						39.4	DTW 30.67
11:15	90*	21.51	362	4.38	4.24	362	26.8	DTW 30.67
11:20	90*	20.90	360	3.79	3.84	411	24.5	
11:25		20.62	359	3.37	3.81	424	22.9	DTW 30.67
11:33	90*	20.58	358	3.32	3.84	431	18.9	
11:40		20.66	357	3.22	3.90	437	15.1	
11:45		20.78	356	3.18	3.94	443	10.2	
11:50	90*	20.85	356	3.19	3.94	452	8.40	
11:55		20.84	355	3.16	3.90	459	6.96	
12:00		21.12	355	3.24	3.94	468	5.82	
12:05		21.30	355	3.21	4.03	465	6.51	
12:10		21.30	355	3.20	4.03	469	5.90	

* through flow cell

SAMPLE TIME Begin Sampling at 12:15 end at 1:10

PURGE VOLUME ~ 2 gallons

GW DATA FORM

SITE: South Shore Outdoor DATE: 8/19/15

PROJECT NO.: F1023 TIME:

PERSONNEL A. Tam / N. Zarcone WEATHER: Overcast, Hot, Humid 80's

LOCATION ID: MW-55

SAMPLER INFO & NOTES

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size, H2O Observations [i.e. clarity, odor])

DTW - 31.13' DTB - 37.22 with pump 3.15'

PURGE READINGS **PURGE START TIME** 7:15

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)	NOTES & OBSERVATIONS
7:15	250 direct	without flow-through cell					202	DTW 31.14
7:25	270 direct						126	DTW 31.14'
7:30	270 direct						64.3	DTW 31.14'
7:35	240 Connect to YSI	19.15	153 ~~154~~	5.93	5.83	157	35.6	DTW 31.14'
7:40	240	18.99	147	4.80	5.19	160	26.2	
7:45	250	18.76	145	~~4~~.83	5.02	157.7	17.5	
7:50	250	18.57	143	4.83	5.02	159.7	13.2	
7:55	250	18.56	143	~~4~~.83	5.02	162.6	7.85	
8:00	250	18.73	143	4.53	5.12	154	6.99	
8:05	250	18.75	143	4.52	5.15	153.2	6.34	
8:10	250	18.83	143	4.39	5.19	149.7	5.08	
8:15	250	18.74	142	4.21	5.16	158	3.99	
8:20	250	18.95	143	4.24	5.17	159	3.93	
						8:50	1.80	

SAMPLE TIME Start 8:20 End - 8:55

PURGE VOLUME ~ 4.5 gal.

GW DATA FORM

SITE: South Shore Outdoor DATE: 8/19/15

PROJECT NO.: FD023 TIME:

PERSONNEL A. Tam / N. Zarcone WEATHER: Overcast, Hot, Humid 80's.

LOCATION ID: MW-5D

SAMPLER INFO & NOTES

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size, H2O Observations (i.e. clarity, odor))

QED MP10

Collected duplicate: 2015_08_15-DUP
Collected MS and MSD

DTW. 31.13 DTB - 43.21

PURGE READINGS **PURGE START TIME** 9:15

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)	NOTES & OBSERVATIONS
9:15	225 - direct - not connected to YSI						70	DTW-31.12
9:20	240	direct - not connected to YSI					67.4	DTW-31.12
9:25	240	direct - not connected to YSI					51.4	
9:30	200 Connect to YSI	19.96	330	2.14	5.07	3.4	37.2	DTW-31.12
9:35	200	19.65	329	3.46	4.82	7.5	28.6	
9:40	225	19.51	328	1.97	4.82	5.7	20.7	DTW-31.12
9:45	200	19.49	327	2.26	4.89	2.8	14.9	
9:50	180	19.51	325	2.47	4.88	1.9	10.9	
9:55	190	19.51	322	3.19	4.93	-1.9	7.71	
10:00	190	19.47	323	4.30	4.88	-0.1	6.10	
10:05	190	19.46	321	4.82	4.90	-1.4	4.91	
10:10	190	19.58	319	5.79	4.95	-4.5	4.93	
10:15	190	19.66	318	6.48	4.97	-6.9	3.53	

11:00 - 3.84 NTU

SAMPLE TIME start 10:20 End 1:45 Hex Cr. 11:05

PURGE VOLUME 3.25

11:50 - 1.78 NTU
12:40 1.72 NTU
1:20 1.00 NTU

GW DATA FORM

SITE: South Shore Outdoor DATE: 8/20/15

PROJECT NO.: FD023 TIME:

PERSONNEL A. Tam / N. Zarcone WEATHER: Sunny, humid 80's

LOCATION ID: MW-6

SAMPLER INFO & NOTES

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size, H2O Observations (i.e. clarity, odor))

DTW 30.35'
DTB 37.55' with Pump 30.37'

PURGE READINGS **PURGE START TIME** 6:05

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)	NOTES & OBSERVATIONS
6:05	260	Not Connected To YSI						Silty
6:10	260						437	Silty
6:20	260						181	Cloudy
6:25	260					DTW 30.37'	70.3	Silty Cloudy
6:30	240	16.57	370	4.76	3.42	280.4	41.4	DTW 30.37'
6:35	250	16.48	366	2.66	3.10	293.7	21.3	DTW 30.37
6:40	240	16.46	360	1.46	3.15	302.4	17.1	DTW 30.37
6:45	240	16.41	358	1.57	3.21	313.6	12.1	DTW 30.37'
6:50	200	16.55	354	1.04	3.30	321.9	10.5	
6:55	200	16.63	354	0.65	3.36	330.3	15.1/6.32	
7:05	200	16.74	356	0.41	3.40	340	7.01	
7:10	200	16.77	355	0.58	3.46	47*	5.30	
7:15	200	16.85	356	0.52	3.46	50.8	5.45	

SAMPLE TIME Start 7:20
End 8:05

PURGE VOLUME ~4.5 gallons

* Likely Instrument error. Checked with Calibration Fluid - OK

GW DATA FORM

SITE: South Shore Outdoor DATE: 8/20/15

PROJECT NO.: FD023 TIME:

PERSONNEL A. Tomlin/N. Zarcone WEATHER: Sunny, Humid 80's

LOCATION ID: MW-2

SAMPLER INFO & NOTES

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size, H2O Observations [i.e. clarity, odor])

QED MP-10

DTW - 33.89 DTB - 44.30' with Pump 33.89' - DTW

PURGE READINGS **PURGE START TIME** 8:38

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)	NOTES & OBSERVATIONS
8:40	200 - Not connected to YSI						63.8	DTW 33.89'
8:45	140 - not connected to YSI						50.8	DTW 33.89'
8:50	140 - not connected to YSI						38.8	DTW 33.89'
9:00	75*	18.64	601	3.22	3.66	182.5	31.1	DTW 33.90'
9:05	~~75~~ 150 (AT)	18.63	607	3.01	3.77	228.3	26.6	DTW 33.90'
9:10	150	18.72	605	2.51	3.85	245.8	23.9	DTW 33.90'
9:15	140	18.35	605	2.31	4.01	-133	21.0	DTW 33.90'
9:20	130	18.70	612	1.94	4.13	-135.3	19.5	DTW 33.90'
9:25	130	18.67	612	1.91	4.14	-171.6	12.8	DTW 33.90'
9:30	130	18.77	614	2.00	4.21	-177.2	13.5	
9:35	140	18.94	615	1.83	4.20	-52.1	11.0	
9:45	140	18.77	610	1.62	4.22	-112	11.9	
9:55	140	18.97	611	1.54	4.26	-120.6	6.84	

*Look in YSI

10:00 - 5.77 NTU
10:12 4.65 NTU
10:25 3.78 NTU
10:50 - 2.34 NTU

SAMPLE TIME Start 10:00 End 11:02

PURGE VOLUME 3.5 gal.

** ORP sensor may not be working properly

GW DATA FORM

SITE: South Shore Outdoor DATE: 8/20/15

PROJECT NO.: FD023 TIME:

PERSONNEL A. Tam / N. Zarcone WEATHER: Sunny, Hot Humid 80's

LOCATION ID: MW-3

SAMPLER INFO & NOTES

(Make/Model, Size, Material, Method, Pump Type/Model, Tubing Type & Size, H2O Observations [i.e. clarity, odor])

QED MP-10 Connect to YSI at 11:58

DTW - 30.88
DTB - 43.85 with Pump 30.88

PURGE READINGS **PURGE START TIME** 11:25

TIME (MINUTES)	RATE (ml/min)	TEMP (degrees C)	SP. COND. (uS/cm)	D.O. (mg/L)	pH (S.U.)	ORP (mV)	TURBIDITY (NTU)	NOTES & OBSERVATIONS
11:30	140	YSI	not Connected				220	Cloudy DTW 30.82
11:35	150	YSI	not Connected				121	slightly DTW Cloudy 30.87
11:40	150	YSI	not Connected				107	slightly cloudy 30.82
11:45	180	YSI	not Connected				77.8	DTW 30.86
11:55	150	YSI	not Connected				56.8	DTW 30.86
12:10	150	19.08	689	1.10	3.42	297.7	46.1	DTW 30.86
12:15	150	19.07	687	1.01	3.51	302.1	32.5	DTW 30.86
12:20	150	19.11	681	0.98	3.54	308.1	31.3	DTW 30.87
12:30	150	18.98	677	0.65	3.58	322.5	22.6	clear
12:35	150	18.80	688	0.57	3.59	330.3	22.2	clear
12:40	150	18.71	684	0.32	3.58	337.2	20.6	clear
12:45	150	18.59	679	0.27	3.61	342.2	18.2	clear
12:50	150	18.43	676	0.40	3.64	345.7	18.8	clear

1:05 - 11.2 NTUs / 1:15 - 12.4 / 1:20 - 9.85 NTU

SAMPLE TIME start 12:55 End 1:50

PURGE VOLUME 3.25 gal

1:25 - 9.02 NTUs
1:30 - 9.55 NTUs
1:30 8.78 NTUs

Appendix F

Well Development Logs

WELL DEVELOPMENT DATA FORM

WELL ID: MW-5D

SITE: South Shore Outdoor

PROJECT NO.: FD023

PUMP TYPE & MODEL: El. Submersible

DATE: 8/5/15

TIME:

WEATHER: 80-90° Sunny

1. INITIAL READINGS

START TIME: 0735

WELL DIAMETER (INCHES)	PID WELL HEAD (PPM)	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)	DEPTH TO PRODUCT (FEET)	PRODUCT THICKNESS (FEET)	DEPTH TO SCREEN (FEET)	PUMP DEPTH (FEET)	WELL VOLUME (Gallons) (Milliliters)
2"	0.0	30.77	42.25	/	/		Bottom	1.87

2. DEVELOPMENT READINGS

TIME (MINUTES)	RATE (gal/min) (ml/min)	DEPTH TO WATER (FEET)	ORP (mV)	D.O. (mg/L)	pH (S.U.)	TEMP (degrees C)	SP. COND. (uS/cm)	Turb (NTU)	Volume (gal) (ml)	Appearance (Silty) (Clear)
0740	5,500 ml/m	NA	Surge					OVR		Black
0750	5.5 L/min		11.3	4.00	7.36	15.66	321	41.8		Cloudy
	1.45 gal/min		Surge					OVR		Black - Gray
0755			7.5	2.55	6.09	16.69	316	654		Cloudy - Gray
0800			Pump issues - Pull and restart							
0810			18.1	2.32	5.86	15.83	315	742		Cloudy
0815			12.8	1.13	5.79	15.61	311	7.21		Clear
0820			7.2	1.25	5.77	15.53	307	4.75		Clear
			Surge							
			Pump issues - pull - check DTB - restart						DTB =	43.15
0835			40.4	4.20	5.91	16.06	312	421		Gray
0840			28.8	2.05	5.74	15.70	305	12.5		Clear
			Surge					280		Cloudy
0845			17.1	0.53	5.66	15.61	292	5.25		Clear
0850			11.7	0.33	5.67	15.54	291	2.33		Clear
0855			7.6	0.26	5.69	15.55	288	2.02		Clear

3. POST-DEVELOPMENT

END TIME: 0855

TOTAL TIME (MINUTES)	TOTAL VOL (gallons) (millilietrs)	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)
65	~~120~~ 94	31.05	43.35

-20 min due to issues

ADDITIONAL NOTES:

Unable to get DTW during pumping due to tube tracte blocking WLM from going down MW.

WELL DEVELOPMENT DATA FORM

WELL ID: MW-55

SITE: Southshore Outdoor

PROJECT NO.: FD023

PUMP TYPE & MODEL: Elect Submersible

DATE: 8/5/15

TIME:

WEATHER: Sunny 85-90°

1. INITIAL READINGS

START TIME: 0905

WELL DIAMETER (INCHES)	PID WELL HEAD (PPM)	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)	DEPTH TO PRODUCT (FEET)	PRODUCT THICKNESS (FEET)	DEPTH TO SCREEN (FEET)	PUMP DEPTH (FEET)	WELL VOLUME (Gallons) (Milliliters)
2"	0.0	30.77	37.44	/	/		Bottom	1.09

2. DEVELOPMENT READINGS

TIME (MINUTES)	RATE (gal/min) (ml/min)	DEPTH TO WATER (FEET)	ORP (mV)	D.O. (mg/L)	pH (S.U.)	TEMP (degrees C)	SP. COND. (uS/cm)	Turb (NTU)	Volume (gal) (ml)	Appearance (Silty) (Clear)
	5,500 ml/min	NA	Surge							Brown
0910	5.5 L/min		30.3	1.79	6.03	16.01	157	66.7		Cloudy
0915	1.45 gal/min		57.9	1.46	5.96	16.06	148	8.98		Clear
			Surge					OVR		Brown
0920			70.4	1.69	5.95	16.04	146	254		Cloudy
0925			85.6	2.05	5.92	16.01	144	8.66		Clear
			Surge					OVR		Brown
0930			105.6	2.04	5.93	16.10	143	6.43		Clear
0935			119.8	2.10	5.90	16.17	143	2.16		Clear
			Surge					40.7		Cloudy
0940			130.5	3.37	5.91	16.14	142	2.38		Clear
0945			141.2	2.81	5.87	16.12	139	3.78		Clear
0950			144.3	2.53	5.88	16.16	139	2.24		Clear
			Surge					45.3		Cloudy
1000			145.3	2.51	5.93	16.21	144	22.7		Cloudy
1005			150.9	2.21	5.89	16.15	143	3.53		Clear
1010	↓	↓	152.4	2.19	5.88	16.24	143	1.66		Clear

3. POST-DEVELOPMENT

END TIME: 1010

TOTAL TIME (MINUTES)	TOTAL VOL (gallons) (millilietrs)	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)
65	94	30.83	37.48

ADDITIONAL NOTES:
Unable to check DTW during pumping, too much tube + cable. WLM won't go down

WELL DEVELOPMENT DATA FORM

WELL ID: MW-2

SITE: South Shore Outdoor

PROJECT NO.: FD023

PUMP TYPE & MODEL: EL Submersible

DATE: 8/5/15

TIME:

WEATHER: 80-90° Sunny

1. INITIAL READINGS

START TIME: 1045

WELL DIAMETER (INCHES)	PID WELL HEAD (PPM)	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)	DEPTH TO PRODUCT (FEET)	PRODUCT THICKNESS (FEET)	DEPTH TO SCREEN (FEET)	PUMP DEPTH (FEET)	WELL VOLUME (Gallons) (Millileters)
2"	0.0	33.48	43.65	—	—		Bottom	1.66

2. DEVELOPMENT READINGS

TIME (MINUTES)	RATE (gal/min) (ml/min)	DEPTH TO WATER (FEET)	ORP (mV)	D.O. (mg/L)	pH (S.U.)	TEMP (degrees C)	SP. COND. (uS/cm)	Turb (NTU)	Volume (gal) (ml)	Appearance (Silty) (Clear)
	5,500 ml/min	NA	Surge	—	—	—	—	OVR		Brown
1050	5.5 L/min		141.1	7.66	5.75	14.47	500	OVR		Brown
1055	145 gal/min		190.5	7.77	5.30	14.25	493	31.6		Cloudy
			Surge	—	—	—	—	OVR		Brown
1100			203.6	7.72	5.10	14.27	464	42.1		Cloudy
1105			220.7	7.73	4.95	14.29	458	10.4		Clear
			Surge	—	—	—	—	OVR		Brown
1110			227.3	7.77	4.89	14.29	437	10.3		Clear
"			Surge	—	—	—	—	439		Cloudy
1115			236.7	7.88	4.83	14.26	391	5.44		Clear
			Surge	—	—	—	—	473		Cloudy
1120			244.8	7.94	4.81	14.30	371	5.26		Clear
1125			250.7	7.96	4.78	14.22	407	2.14		Clear
			Surge	—	—	—	—	143		Cloudy
1130	↓	↓	256.1	7.89	4.78	14.25	380	4.71		Clear

3. POST-DEVELOPMENT

END TIME: 1130

TOTAL TIME (MINUTES)	TOTAL VOL (gallons) (millilietrs)	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)
45	65	34.5	44.2

ADDITIONAL NOTES:
Unable to check DTW due to tubing + cables.

WELL DEVELOPMENT DATA [redacted]

WELL ID: MW-3

SITE: South Shore Outdoor

PROJECT NO.: FD023

PUMP TYPE & MODEL: El. Submersible

DATE: 8/5/15

TIME:

WEATHER: 80-90° Sunny

1. INITIAL READINGS

START TIME: 1230

WELL DIAMETER (INCHES)	PID WELL HEAD (PPM)	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)	DEPTH TO PRODUCT (FEET)	PRODUCT THICKNESS (FEET)	DEPTH TO SCREEN (FEET)	PUMP DEPTH (FEET)	WELL VOLUME (Gallons) (Milliliters)
2"	0.0	30.48	43.40	/	/		Bottom	2.11

2. DEVELOPMENT READINGS

TIME (MINUTES)	RATE (gal/min) (ml/min)	DEPTH TO WATER (FEET)	ORP (mV)	D.O. (mg/L)	pH (S.U.)	TEMP (degrees C)	SP. COND. (uS/cm)	Turb (NTU)	Volume (gal) (ml)	Appearance (Silty) (Clear)
1235	5,500 ml/min	NA	Surge					OVR		Olive Brown
1240	5.5 L/min		Surge					OVR		"
1245	1.45 gal/min		233.6	0.70	4.44	14.67	699	75.7		Cloudy
1250			235.8	3.44	4.35	14.58	714	13.0		Clear
~~1255~~			Surge					340		Olive Brown
1255			240.3	1.87	4.31	14.56	~~1650~~ 710	62.9		Cloudy
1300			247.5	1.23	4.29	14.58	711	2.78		Clear
			Surge					245		Brown
1305			248.3	0.84	4.29	14.46	707	15.7		Clear
1310			254.2	0.51	4.26	14.44	710	3.54		Clear
1315	↓	↓	256.5	0.43	4.24	14.50	710	3.20		Clear

3. POST-DEVELOPMENT

END TIME: 1315

TOTAL TIME (MINUTES)	TOTAL VOL (gallons) (millilietrs)	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)
45	65	30.50	43.80

ADDITIONAL NOTES:

Unable to get DTW due to tubing + cable blocking well from going down.

WELL DEVELOPMENT DATA [redacted]

WELL ID: MW-1D

SITE: South Shore Outdoor

DATE: 8/6/15

PROJECT NO.: F0023

TIME:

PUMP TYPE & MODEL: EL Submersible

WEATHER: 80-90° Sunny

1. INITIAL READINGS

START TIME: 0735

WELL DIAMETER (INCHES)	PID WELL HEAD (PPM)	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)	DEPTH TO PRODUCT (FEET)	PRODUCT THICKNESS (FEET)	DEPTH TO SCREEN (FEET)	PUMP DEPTH (FEET)	WELL VOLUME (Gallons) (Milliliters)
2"	0.0	30.35	43.88				Bottom	2.2

2. DEVELOPMENT READINGS

TIME (MINUTES)	RATE (gal/min) (ml/min)	DEPTH TO WATER (FEET)	ORP (mV)	D.O. (mg/L)	pH (S.U.)	TEMP (degrees C)	SP. COND. (uS/cm)	Turb (NTU)	Volume (gal) (ml)	Appearance (Silty) (Clear)
	5,500 ml/min	NA	Surge					OVR		Olive Br
0745	5.5 L/min		Surge					600		Olive Br
0750	1.45 gal/min		129.1	5.19	7.68	15.25	294	170		Cloudy
0755			171.3	3.09	5.57	14.91	285	2.43		Clear
			Surge					OVR		Olive Br
0800			169.4	2.69	5.49	14.92	285	4.79		Clear
0805			174.4	2.65	5.45	14.91	284	91.88		Clear
			Surge					600		Cloudy
0810			175.1	2.54	5.44	14.92	284	3.09		Clear
0815			179.8	2.52	5.40	14.91	283	0.80		Clear
0820			181.1	2.52	5.40	14.93	283	0.67		Clear

3. POST-DEVELOPMENT

END TIME: 0820

TOTAL TIME (MINUTES)	TOTAL VOL (gallons) (millilietrs)	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)
45	65	30.36	44.03

ADDITIONAL NOTES:

Unable to get DTW during pumping due to hose + cable blocking WLM

WELL DEVELOPMENT DATA

WELL ID: MW-15

SITE: South Shore Outdoor

DATE: 8/6/15

PROJECT NO.: F0023

TIME:

PUMP TYPE & MODEL: EL Submersible

WEATHER: 80-90° Sunny

1. INITIAL READINGS

START TIME: 0825

WELL DIAMETER (INCHES)	PID WELL HEAD (PPM)	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)	DEPTH TO PRODUCT (FEET)	PRODUCT THICKNESS (FEET)	DEPTH TO SCREEN (FEET)	PUMP DEPTH (FEET)	WELL VOLUME (Gallons) (Milliliters)
2"	0.0	30.28	38.00				Bottom	1.3

2. DEVELOPMENT READINGS

TIME (MINUTES)	RATE (gal/min) (ml/min)	DEPTH TO WATER (FEET)	ORP (mV)	D.O. (mg/L)	pH (S.U.)	TEMP (degrees C)	SP. COND. (uS/cm)	Turb (NTU)	Volume (gal) (ml)	Appearance (Silty) (Clear)
	5,500 ml/min	NA	Surge					OVR		Olive Brown
	3.5 L/min		Surge					OVR		Olive Brown
0835	1.45 gal/min		105.9	6.12	5.80	14.83	223	652		Cloudy
0840			89.5	6.32	5.86	14.78	211	7.12		Clear
"			Surge					125		Cloudy
0845			90.3	5.70	5.83	14.76	212	6.49		Clear
0850			91.2	5.09	5.87	14.79	211	3.56		Clear
			Surge					256		Cloudy
0855			91.3	4.21	5.89	14.79	212	7.74		Clear
0900	V	V	91.4	3.78	5.88	14.80	211	3.31		Clear

3. POST-DEVELOPMENT

END TIME: 0900

TOTAL TIME (MINUTES)	TOTAL VOL. (gallons) (millilitrs)	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)
35	51	30.28	38.00

ADDITIONAL NOTES:

Unable to get DTW during pumping due to cable + tubing blocking WLM

WELL DEVELOPMENT DATA FORM

WELL ID: MW-6

SITE: South Shore Outdoor

PROJECT NO.: FD023

PUMP TYPE & MODEL: EL Submersible

DATE: 8/6/15

TIME:

WEATHER: 80-90° Sunny

1. INITIAL READINGS

START TIME: 0915

WELL DIAMETER (INCHES)	PID WELL HEAD (PPM)	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)	DEPTH TO PRODUCT (FEET)	PRODUCT THICKNESS (FEET)	DEPTH TO SCREEN (FEET)	PUMP DEPTH (FEET)	WELL VOLUME (Gallons) (Milliliters)
2"	0.0	30.00	37.77	✓	✓		Bottom	1.3

2. DEVELOPMENT READINGS

TIME (MINUTES)	RATE (gal/min) (ml/min)	DEPTH TO WATER (FEET)	ORP (mV)	D.O. (mg/L)	pH (S.U.)	TEMP (degrees C)	SP. COND. (uS/cm)	Turb (NTU)	Volume (gal) (ml)	Appearance (Silty) (Clear)
	5,500 ml/min	NA	Surge					OVR		Lt. Brown
0925	5.5 L/min		172.2	3.23	4.94	14.64	402	9.72		Clear
	1.45 gal/min		Surge					831		Cloudy
0930			173.6	2.01	4.77	14.54	396	89.1		Cloudy
0935			174.4	1.23	4.67	14.53	396	5.90		Clear
			Surge					320		Cloudy
0940			176.6	0.97	4.58	14.50	394	41.9		Cloudy
0945			185.6	2.17	4.56	14.48	395	0.74		Clear
			Surge					508		Cloudy
0950			176.7	0.33	4.72	14.57	388	197		Cloudy
0955			Pump + flow cell issues							
1020			205.2	0.55	4.53	14.79	394	31.3		Cloudy
1025			201.4	0.45	4.51	14.74	393	2.90		Clear
			Surge					224		Cloudy
1030			200.1	0.45	4.48	14.80	393	169.7		Cloudy
1035			200.8	0.43	4.44	14.79	393	22.3		Clear
1040			199.5	0.44	4.44	14.78	392	6.53		Clear

3. POST-DEVELOPMENT

END TIME: 1040

TOTAL TIME (MINUTES)	TOTAL VOL. (gallons) (millilietrs)	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)
70	105	30.02	37.84

10-15 ~~#1040~~ MINS For sizes

ADDITIONAL NOTES:

Unable to gauge DTW during pumping due to tube + cable blocking WLM.

Appendix G

Laboratory Reports (CD)

Appendix H

Data Usability Summary Report

Data Validation Services

120 Cobble Creek Road P.O. Box 208
North Creek, NY 12853

Phone 518-251-4429
harry@frontiernet.net

October 17, 2015

Albert Tonn
Sovereign Consulting, Inc.
1855 New Highway, Suite C
Farmingdale, NY 11735

RE: Data Usability Summary Report (DUSR)
Validation of the South Shore Outdoor, Bay Shore, NY Site Analytical Laboratory Data

Hampton Clarke SDG Nos. 5062304, 5062410, 5062504, 5062633, 5063003, 5070107, 5070208, 5070806, 5070902, 5071005, 5071405, 5071505, 5071603, 5071735, 5072307, 5072118, and 5081822
TAL-VT SDG No. 200-29290

Dear Mr. Tonn:

Review has been completed for the data packages generated by Hampton Clarke and TestAmerica Laboratories that pertain to samples collected between 06/29/15 and 08/12/15 at the South Shore Outdoor site. Fifty one soil samples, four soil field duplicates, twelve aqueous samples, and two aqueous field duplicates were processed for TCL volatiles, TCL semivolatiles, TCL PCBs, TCL pesticides, TCL herbicides, TAL metals, total cyanide, and hexavalent chromium. Thirteen of these samples were also processed for TCLP volatiles and TCLP metals. One hundred and eleven soil samples and five field duplicates were processed for TCL volatiles, TAL metals, total cyanide, and hexavalent chromium. Nineteen of those samples and a field duplicate were also processed for TCL semivolatiles. Thirty seven aqueous samples and three field duplicates were processed for TCL volatiles. Twenty 6 L summa canisters were processed for volatiles by TO-15. Matrix spikes, field blanks, and trip blanks were also processed. Analytical methodologies are those of the USEPA SW846 and TO-15.

The data package submitted by the laboratory contains full deliverables for validation. This usability report is generated from review of the QC summary form information, with full review of sample raw data and limited review of associated QC raw data. The reported QC summary forms and sample raw data have been reviewed for application of validation qualifiers, in accordance with the project QAPP, with guidance from the USEPA national and regional validation documents, and in consideration for the specific requirements of the analytical methodology. The following items were reviewed:

* Data Completeness
* Case Narrative
* Custody Documentation
* Holding Times
* Surrogate and Internal Standard Recoveries

* Field/Trip/Method Blanks
* Matrix Spikes/Laboratory Duplicates
* Blind Field Duplicates
* Laboratory Control Samples (LCSs)
* Instrumental Tunes
* Calibration Standards
* ICP Serial Dilution Evaluations
* ICP Interference Check Samples
* Method Compliance
* Sample Result Verification

The data review includes evaluation of the specific items noted in The NYS DER-10 Appendix B section 2.0 (c). The items listed above that show deficiencies are discussed within the text of this narrative. The laboratory QC forms illustrating the excursions can be found within the laboratory data package.

In summary, sample processing was primarily performed in compliance with analytical protocol requirements, and most sample results are usable either as reported or with minor qualification or edit. However, the following significant items are noted:

- results for 1,4-dioxane are rejected due to very poor instrument performance inherent in the methodology
- phenolic semivolatile results in two samples are not usable due to an apparent matrix effect
- results for two volatile analytes in one sample and one semivolatile analyte in three other samples are not usable due to an apparent matrix effect
- the hexavalent chromium result was rejected in one aqueous sample
- a very high hexavalent chromium matrix spike concentration was reported as the parent sample result

Data completeness, accuracy, precision, representativeness, and the analytical method comparability are acceptable. Hampton Clarke processed many volatile and semivolatile sample batches associated with LCSs reporting recoveries outside the acceptance ranges utilized by the laboratory. Although the processing and acceptance ranges are not compliant with the analytical protocols, detailed evaluation of the data during validation shows less impact on the sample results than indicated by the flagged summary forms. This is discussed in the following text.

Client sample identifications are attached to this text. Also included in the submission are the client results table EDDs, annotated in red to include edits and qualifiers recommended in this report. No additional review or manipulation of the EDDs has been performed by this firm.

Chain-of-Custody/Sample Receipt

Discrepancies between custody entry and container sample identifications were resolved at sample receipt.

The field duplicate collected 07/08/15 was not entered onto the custody; the analyses were authorized by email communication. This should have been noted in the case narrative.

A down-arrow was omitted on the collection date custody entry in SDG 5072118.

The canister labels were incomplete; canister identifications were associated with custody entries.

Writeovers and scratchouts should have been initialed and dated.

Laboratory Case Narrative

The laboratory case narrative utilizes only batch codes in discussion of QC outliers, and the impact on specific project sample results is therefore not summarized for end users of the data without in depth knowledge of the raw data.

Blind Field Duplicates

Blind duplicate evaluations were performed on LP-6(20-22), LP-3(20-22), LP-22(15-17), LP-2(28-30), SW-9(12-13), IP-8(0-2), LP-12(15-17), LP-10(20-22), MW-1(28-30), MW-5(0-2), IP-6(0-2), GP-3(50), GWP-1(40), GWP-4(40), GW-5(35), and MW-5D are within validation guidelines, with the following exceptions, results for which are qualified as estimated in the parent sample and its duplicate:

- copper in LP-6(20-22)
- silver in LP-3(20-22)
- aluminum, copper, and iron in LP-22(15-17)
- chromium, nickel, and arsenic in IP-8(0-2)
- calcium, chromium, manganese and sodium in SW-9(12-13)
- copper and zinc in LP-10(20-22)
- zinc in MW-1(28-30)
- eH in IP-6(0-2)

TCL Volatile and TCLP Volatile Analyses by EPA8260C

Due to low responses in the associated calibration standards, results for 1,4-dioxane in all of the samples are rejected and not usable. Other calibration standards show acceptable responses, with the following exceptions, results for which are qualified as estimated in the indicated samples:

- tetrachloroethene in the field blank and trip blank reported in SDG 5070208
- 2-hexanone and 1,2-dibromo-3-choropropane in Trip Blank #2 in SDG 5071603
- dichlorodifluoromethane in all soils reported in SDG 5071603 and in ten aqueous samples and blanks reported in SDG 5071735
- 2-hexanone in GWP-6(65), GWP-6(60), GWP-6(55), TB 7/20, FB 7/20, TB 7/22, FB 7/22, and the samples reported in SDG 5072118
- trichlorofluoromethane and 2-hexanone in all soils reported in SDG 5072401
- bromomethane in ten of the aqueous samples and a Field Blank in SDG 5071735
- 1,2,3-trichorobenzene in GWP-1(35), 2015-7-20-Dup, GWP-5(65), GWP-5(60), GWP-5(55), GWP-5(50), GWP-6(50), and GWP-6(45)
- 2-butanone in GWP-5(45), GWP-5(40), GWP-5(35), and GWP-6(40)
- bromomethane, 2-hexanone, and ethylbenzene in MW-2, MW-3, and MW-6

The samples consistently show detections of methylene chloride and acetone that are above the reporting limits. The laboratory case narratives note that these are typical of contamination concentrations in their laboratory, and therefore the sample detections (with two exceptions) have been edited to reflect non-detection at either the reporting limits, or the originally reported concentrations,

whichever are greater. Sample constituency below those adjusted reporting limits is unknown. The exceptions are the results for acetone in LP-1(30-32) and LP-21(15-17), which are above the concentrations for consideration as contamination.

The chlorobenzene detections reported for the TCLP leachates of the samples reported in SDG 5071005 are qualified as tentative in identification and estimated in value due to poor mass spectral quality.

Although the analytical protocol requires that the laboratories generate in-house acceptance ranges for volatile surrogate, LCS, and matrix spike recoveries, Hampton Clarke utilized set ranges, generally 70% to 130%, with some at 40% to 160%. Although many LCS and matrix spike target analytes fell outside those ranges, and the laboratory took no corrective action. The outlying recoveries are flagged on the QC summary Forms 3. To generate in-house limits, laboratories are to use a database of historical recoveries. The number of LCSs reported for this project provides a reasonable database, and upon validation, it was observed that many of the flagged outliers had recoveries consistent with one another, thus defining a normal range for that analyte in the laboratory during the timeframe of the sample analyses. The evaluation for application of validation qualifiers utilized that information, and results for only those recoveries falling below the general range have been qualified as estimated. That same principle was applied to matrix spike recovery outliers.

The following results are qualified as estimated, with a possible low bias, due to low LCS recoveries:

- 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,2-dibromo-3-chloropropane, and isopropylbenzene in LP-5(15-17), LP-5(20-22), LP-5(28-30), LP-4(15-17), LP-4(20-22), LP-4(28-30), and LP-1(20-22)
- dichlorodifluoromethane in LP-19(10-22), and LP-1A(15-17)
- methyl acetate in LP-1(17-18)
- bromomethane in SW-7(10-11), IP-8(3-4), and the field and trip blanks reported in SDG 5063003
- soil samples reported in SDG 5070107
- bromoform in the field and trip blanks reported in SDG 5070208
- bromomethane, chloroethane, and 2-hexanone in W-5(21-25)
- 2-hexanone in the samples reported in SDGs 5072118 and 5081822, and in Trip Blank #2 in SDG 5071603

The matrix spikes of SB-4(0-2) show no recoveries for 1,1,2,2-tetrachloroethane and methyl acetate. Therefore, the results for those two compounds in that parent sample are not usable and have been rejected. The detected result for trichloroethene in that sample has been qualified as estimated due to elevated recoveries for that analyte in the sample.

Matrix spikes of LP-2(15-17), LP-3(28-30), LP-26(20-22), LP-22(20-22), SW-8(10-11), LP-12(20-22), LP-10(28-30), MW-2(0-2), MW-1(0-2), IP-7(0-2), GWP-1(60), GWP-2(45), GWP-4(60), MW-5D, and GWP-5(40), and those for TCLP analytes on LP-18(5-10) show acceptable recoveries and correlations, with the following exceptions, results for which are qualified as estimated in the indicated parent samples, with a likely low bias:

- dichlorodifluoromethane in LP-2(15-17)
- about a third of the analytes in SW-8(10-11)

- 1,2,4-trichlorobenzene, 1,2,3-trichlorobenzene, and hexachlorobutadiene in MW-2(0-2) and MW-1(0-2)
- dichlorodifluoromethane and bromomethane in GWP-2(45)
- 2-hexanone in MW-5D and GWP-5(40)

All correlations for the matrix spikes of GWP-4(60) are elevated, most higher than 40%RPD. The surrogate responses in those spikes do not show similar variance, and a processing variance is suspected. No qualification is made.

The Forms 3 for matrix spikes reflect concentrations and spike amounts that are not corrected for sample sizes, solids content, or analysis level.

SW-8(10-11), MW-3(0-2), and LP-19(10-15) show low recoveries for one internal standard, and the results for the eight associated compounds are qualified as estimated in those samples. They are the following: 1,1,2,2-tetrachloroethane, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,2-dibromo-3-chloropropane, and isopropylbenzene. These outliers should have been discussed in the laboratory case narrative.

Holding times were met.

Tentatively Identified Compounds (TICs) that are identified with CAS numbers should also have been flagged with the "N" flag to indicate the identification is tentative.

Some of the samples were processed at medium level due to target analyte concentrations. This results in elevated reporting limits.

TCL Semivolatiles by EPA8270D

The phenols reported in SB-4(0-2) and IP-6(4-6) are rejected and not usable due to the failure of a phenolic surrogate standard to recover from the extraction, possibly due to matrix effects.

The reported detected results for dibenzofuran and anthracene in SB-2(15-17) are edited to reflect non-detection due to very poor mass spectral quality.

The reported detected result for dibenzofuran in IP-8(3-4) is qualified as tentative in identification and estimated in value due to poor mass spectral quality.

Although the analytical protocol requires that the laboratories generate in-house acceptance ranges for semivolatile surrogate, LCS, and matrix spike recoveries, Hampton Clarke utilized set ranges, generally 30% to 130% for surrogates and 70% to 130% for most LCS analytess, with some at 20% to 160%. Although many LCS and matrix spike target analytes fell outside those ranges, and the laboratory took no corrective action. The outlying recoveries are flagged on the QC summary Forms 3. To generate in-house limits, laboratories are to use a database of historical recoveries. The number of LCSs reported for this project provides a reasonable database, and upon validation, it was observed that many of the flagged outliers had recoveries consistent with one another, thus defining a normal range for that analyte in the laboratory during the timeframe of the sample analyses. The evaluation for application of validation qualifiers utilized that information, and results for only those recoveries falling below the general range have been qualified as estimated. That same principle was applied to matrix spike recovery outliers.

The matrix spikes of SB-4(0-2) show low recoveries for almost all of the analytes, including below 10% for one phenolic target analyte. The parent sample also shows recovery below 10% for one phenolic surrogate standard (as noted above). Results for the phenolic compounds are rejected (as noted above), and those for the base/neutral compounds are qualified as estimated in value due to a matrix effect.

Benzaldehyde failed to recover in one of the matrix spikes of SW-10(28-30) and MW-5D, and in both matrix spikes of GWP-5(40), and the results for that compound are therefore rejected in those parent samples due to a matrix effect. Results for 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, and hexachlorobutadiene in MW-5 are qualified as estimated due to low recoveries in those spikes.

The matrix spikes of IP-7(0-2) show low recoveries for almost all of the analytes, and therefore the results for all target analytes in that sample are qualified as estimated due to a matrix effect.

Matrix spikes of SB-2(13-15), SW-6(28-30), LP-11(5-10), DW-21A(20-22), MW-1(0-2), MW-2(0-2), and MW-1S show acceptable recoveries and correlations, with the following exceptions, results for which are qualified as estimated in the indicated parent samples, with a likely low bias:

- 4-chloroaniline in SW-6(28-30) and DW-21A(20-22)
- chrysene in LP-11(5-10)
- 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, and 3,3-dichlorobenzidine in MW-1S

The matrix spikes of SW-8(10-11) could not be properly evaluated due to the dilution performed during analysis.

The following results have been qualified as estimated due to low recoveries in the associated LCSs:

- fluorene, chrysene, anthracene, and benzo(g,h,i)fluoranthene in LP-6(5-10)
- 2-methylphenol MW-1S, MW-1D, MW-2, MW-3, MW-6, and in the field blanks reported in SDGs 5070806 and 5081822

Holding times were met. Blanks show no contamination affecting sample results. Internal standard recoveries are acceptable.

Calibration standards show acceptable responses, with the exception of the following, results for which are qualified as estimated in the indicated samples: hexachlorocyclopentadiene in eight of the samples reported in SDG 5071603 and in all samples reported in SDG 5062304

TICs flagged by the laboratory with "A" and/or "B" are sample preparation artifacts, and are to be removed from consideration as sample components. Total TIC concentrations should not reflect those concentrations.

TICs that are identified with CAS numbers should also have been flagged with the "N" flag to indicate the identification is tentative.

Some of the samples were processed at dilution due to extract viscosity, and IP-5(0-2) was processed at dilution due to high concentration of bis(2-ethylhexyl)phthalate. This results in elevated reporting limits.

TCL Pesticides, Aroclor PCBs, and TCL Herbicides by EPA Methods 8081B, 8082A, and 8151

Due to elevated dual column quantitative correlations (which aid in evaluating interferences in identifications), the following qualifications have been made to sample reported results:

- 4,4'-DDD in LP-6(5-10), and 4,4'-DDT in MW-5(0-2), MW-3(0-2), and 2015-07-14-Dup, edited to reflect non-detection
- 4,4'-DDE in IP-8(3-4), 4,4-DDD and 4,4'-DDT in IP-1(0-2), and a-chlordane and dieldrin in MW03(0-2), qualified as estimated
- 4,4'-DDT in IP-8(3-4) and 4,4-DDD in IP-6(0-2) qualified tentative in identification and estimated in value

No summaries were provided with the dual column quantitative correlations. They were reviewed from the raw data during validation.

The following matrix spikes were processed, with acceptable accuracy and precision:

- herbicide, pesticide, and Aroclor 1016/1260 in SB-2(13-15), SB-4(0-2), MW-1(0-2), MW-2(0-2), IP-7(0-2), MW-5D, and GWP-5(40)
- pesticide and Aroclor 1016/1260 in LP-18(5-10) and DW-21A(20-22)
- pesticide in LP-6(5-10) and MW-1S

Holding times were met. Calibration standards show acceptable responses. Blanks show no contamination affecting sample reported results. Surrogate standard recoveries are acceptable.

Pesticide breakdown results were not provided as summary forms or raw data. Full validation would require submission and review of those data.

The instrument integration output for the pesticide, herbicide, and PCB analyses have been edited by the laboratory to reflect analyst interpretation, thus prohibiting full independent evaluation.

TAL Metals and TCLP Metals Analyses by EPA 6010, 6020, 7470, and 7471

The matrix spike recovery and duplicate correlation evaluations for TAL metals on LP-22(20-22), GWP-5(40), and MW-5D, and on the TCLP leachates of LP-25(5-10) and SW-5(19-21) show acceptable accuracy and precision. The other matrix spike/duplicate evaluations on the samples noted below show recoveries and correlations within validation guidelines, with the following exceptions, results for which are qualified as estimated in the indicated parent samples:

Parent Sample	Element	Outlying % Recoveries	Outlying Correlations
LP-7(20-22)	Aluminum	143 and 133	
	Iron	67 and 57	
	Mercury	133 and 143	
	Lead		60
LP-3(28-30)	Silver	73 and 70	
SB-2(13-15)	Silver	67 and 64	
	Manganese		58

Parent Sample	Element	Outlying % Recoveries	Outlying Correlations
LP-26(20-22)	Aluminum	192 and 190	
	Iron	290 and 319	
	Manganese		51
SB-4(0-2)	Calcium	182 and 250	
	Manganese	170 and 164	
	Zinc	139 and 134	
SW-8(10-11)	Antimony	47 and 41	
	Iron		94
	Calcium		70
LP-12(20-22)	Aluminum	176 and 143	
	Iron	320 and 187	
SW-10(28-30)	Iron	56 and 238	
MW-1(0-2)	Calcium	66 and 68	
	Antimony	34 and 35	
MW-2(0-2)	Antimony	42 and 41	
	Manganese		58
IP-7(0-2)	Antimony	12 and 12	

The ICP serial dilution evaluations of LP-7(20-22), LP-7(20-22), SB-2(13-15), LP-20(20-22), LP-26(20-22), SW-8(10-11), SB-4(0-2), LP-12(20-22), LP-10(28-30), SW-10(28-30), MW-1(0-2), MW-2(0-2), IP-7(0-2), GWP-5(40), MW-5D, and the TCLP leachate of SW-5(19-21) show correlations within validation guidelines, with the following exceptions, the results for which are qualified as estimated in those samples:

- zinc in SB-4(0-2)
- alumium, copper, and iron in SW-10(28-30)
- vanadium in MW-1(0-2)

The blanks show no contamination affecting sample reported results. Instrument performance was compliant.

Wet Chemistry Analyses for Total Cyanide and Hexavalent Chromium by 9012B and 7196A

Review was conducted for method compliance, holding times, transcription, calculations, standard and blank acceptability, accuracy and precision, etc., as applicable to each procedure. All were found acceptable for the validated samples, unless noted specifically within this text.

The result for hexavalent chromium in MW-1(0-2) has been edited from a detection of 220 mg/kg to non-detection at the reporting limit of 1.1 ug/kg.

The following matrix spike duplicate evaluations were performed:

- Total cyanide and hexavalent chromium on LP-22(20-22), LP-26(20-22), SB-4(0-2), SW-8(10-11), LP-12(20-22), LP-10(28-30), MW-1(0-2), MW-2(0-2), IP-7(0-2), MW-5D, MW-1S, and MW-5D
- Total cyanide on LP-16(15-17), LP-4(15-17), SB-2(5-10), and MW-1(10-15)
- Hexavalent chromium on LP-8(5-10), LP-7(20-22), and LP-3(28-30)

The hexavalent chromium matrix spikes of GWP-5(40) failed to recover, and the result for that analyte in the parent sample is therefore rejected and not usable. This very poor recovery should have been specifically noted in the laboratory case narrative.

The hexavalent chromium result for MW-5D is qualified as estimated due to low matrix spike recoveries.

With the exception of those for SW-8(10-11), the total cyanide matrix spike recoveries and correlations are within validation guidelines. The result for total cyanide in that parent sample is qualified as estimated in value.

Almost all of the soil hexavalent chromium soluble and/or insoluble matrix spikes produced low recoveries. Review of the pH and redox potential (eH) values show those samples (as well as most of the unspiked field samples) to be in a reducing state, indicating an unstable environment for hexavalent chromium. Therefore, no qualification to the data is made as a result of the outlying matrix spike recoveries.

The total cyanide results for LP-1(38-40) are qualified as estimated due to analysis one day beyond the allowable holding time.

The hexavalent chromium result for the field blank is qualified as estimated due to receipt by the laboratory of the sample beyond the allowable holding time.

One hexavalent chromium analysis was performed 16 minutes beyond the allowable holding time. No significant effect to the sample data is perceived.

Volatile Analyses by TO-15—Full Scan

The following results are edited to reflect non-detection due to very poor mass spectral quality:

- tetrahydrofuran in SV-7
- cyclohexane in SS-5, SS-7, SS-8, SV-2, SV-5, and SV-6
- hexane in SS-6

The following results are qualified as tentative in identification and estimated in value due to poor spectral response:

- propene in SS-5
- styrene in SS-6
- carbon tetrachloride in IA-4
- tetrahydrofuran in SV-1

Due to presence in the associated method blanks, the detected results for methylene chloride in the samples are considered external contamination and edited to reflect non-detection at either the reporting limit or the originally reported concentrations, whichever are greater.

Holding times were met, and instrument performance was compliant. Canister pressures at receipt are acceptable.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

Att: Validation Qualifier Definitions
Sample Identifications and Laboratory Case Narratives
Qualified Client EDDs

VALIDATION DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
J-	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
J+	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.
UJ	The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
NJ	The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.
EMPC	The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

CLIENT and LABORATORY SAMPLE IDs and CASE NARRATIVES

HC Case Narrative

Client: Sovereign Consulting Inc.
Project: South Shore Outdoor

HC Project: 5062304

Hampton-Clarke (HC) received the following samples on 6/23/2015:

Client ID	HC Sample ID	Matrix	Analysis
LP-8 (5'-10')	AC85666-001	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (9196A), TCLP VO (8260C), TCLP Metals (6010C/7470A)
LP-8 (15'-17')	AC85666-002	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (9196A)
LP-8 (20'-22')	AC85666-003	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (9196A)
LP-8 (28'-30')	AC85666-004	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (9196A)
LP-8 (38'-40')	AC85666-005	Soil/MeOH	Login Fee
LP-9 (15'-17')	AC85666-006	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (9196A)
LP-9 (20'-22')	AC85666-007	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (9196A)
LP-9 (28'-30')	AC85666-008	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (9196A)
LP-9 (38'-40')	AC85666-009	Soil/MeOH	Login Fee
LP-15 (15'-17')	AC85666-010	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (9196A)
LP-15 (20'-22')	AC85666-011	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (9196A)
LP-15 (28'-30')	AC85666-012	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (9196A)
LP-15 (38'-40')	AC85666-013	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (9196A)
Trip Blank	AC85666-014	Aqueous	VO+10 (8260C)

This case narrative is in the form of an exception report. Method specific and/or QA/QC anomalies related to this report only are detailed below.

Volatile Organic Analysis:

Methylene chloride and Acetone were recovered in samples AC85666-001through –004, -006 through –008, and –010 through –013 due to possible laboratory contamination.

The Method Blank Spike for batches 44407, 44418, 44428, and 44134 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The MS/MSD RPD, Matrix Spike and/or Matrix Spike Duplicate for batch 44134 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

Base Neutral/Acid Extractable Analysis:

The Method Blank Spike for batch 40044 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The, MS/MSD RPD, Matrix Spike and/or Matrix Spike Duplicate for batch 40044 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

PCB Analysis:
Data conforms to method requirements.

Pesticide Analysis:
Data conforms to method requirements.

Herbicide Analysis:
Data conforms to method requirements.

Metals Analysis:
The Post Spike, Matrix Spike and/or Matrix Spike Duplicate for batches 44143 and 44144 had recoveries outside QC limits. Please refer to the applicable Form 5/7 for the recoveries.

The MS/MSD RPD had recoveries outside QC limits in batch 44143. Please refer to the applicable Form 6/9 for the recoveries.

The serial dilution for batches 44143 and 44144 are outside QC limits for one or more analytes. Please refer to the applicable Form 6/9 for the recoveries.

Wet Chemistry Analysis:
The MS Insoluble and MS Soluble for Hexavalent Chromium, batch 294 recovered outside the QC limits. The batch was reset and recoveries confirmed. The results from first analysis are reported.

TCLP Volatile Organic Analysis:
The Method Blank Spike for batches 44461 and 44108 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The MS/MSD RPD, Matrix Spike and/or Matrix Spike Duplicate for batch 44108 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

TCLP Metals Analysis:
Data conforms to method requirements.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Robin Cousineau
Quality Assurance Director

Or

Jean Revolus
Laboratory Director

7/13/2017
Date

HC Case Narrative

Client: Sovereign Consulting Inc.
Project: South Shore Outdoor

HC Project: 5062410

Hampton-Clarke (HC) received the following samples on 6/24/2015:

Client ID	HC Sample ID	Matrix	Analysis
LP-16 (15'-17')	AC85700-001	Soil/MeOH	VO +10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM2580), pH (9040C/9045D), Cr Hex. (7196A)
LP-16 (20'-22')	AC85700-002	Soil/MeOH	VO +10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM2580), pH (9040C/9045D), Cr Hex. (7196A)
LP-16 (28'-30')	AC85700-003	Soil/MeOH	VO +10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM2580), pH (9040C/9045D), Cr Hex. (7196A)
LP-16 (38'-40')	AC85700-004	Soil/MeOH	Login Fee
LP-6 (5'-10')	AC85700-005	Soil/MeOH	VO +10 (8260C), SVO (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM2580), pH (9040C/9045D), Cr Hex. (7196A), TCLP VO (8260C), TCLP Metals (6010C/7470A)
LP-6 (15'-17')	AC85700-006	Soil/MeOH	VO +10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM2580), pH (9040C/9045D), Cr Hex. (7196A)
LP-6 (20'-22')	AC85700-007	Soil/MeOH	VO +10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM2580), pH (9040C/9045D), Cr Hex. (7196A)
LP-6 (28'-30')	AC85700-008	Soil/MeOH	VO +10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM2580), pH (9040C/9045D), Cr Hex. (7196A)
LP-6 (38'-40')	AC85700-009	Soil/MeOH	VO +10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM2580), pH (9040C/9045D), Cr Hex. (7196A)
2015_06_23_DUP	AC85700-010	Soil/MeOH	VO +10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM2580), pH (9040C/9045D), Cr Hex. (7196A)
LP-7 (15'-17')	AC85700-011	Soil/Encore	VO +10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM2580), pH (9040C/9045D), Cr Hex. (7196A)
LP-7 (20'-22')	AC85700-012	Soil/Encore	VO +10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM2580), pH (9040C/9045D), Cr Hex. (7196A)
LP-7 (20'-22') MS	AC85700-013	Soil/Encore	VO +10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM2580), pH (9040C/9045D), Cr Hex. (7196A)
LP-7 (20'-22') MSD	AC85700-014	Soil/Encore	VO +10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM2580), pH (9040C/9045D), Cr Hex. (7196A)
LP-7 (28'-30')	AC85700-015	Soil/Encore	VO +10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM2580), pH (9040C/9045D), Cr Hex. (7196A)
LP-7 (38'-40')	AC85700-016	Soil/MeOH	Login Fee
Field Blank	AC85700-017	Aqueous	VO +10 (8260C), Metals (6010C/6020A/7470A), Cyanide (9012B), Cr Hex. (SM 3500-Cr B)
Trip Blank	AC85700-018	Aqueous	VO +10 (8260C)

This case narrative is in the form of an exception report. Method specific and/or QA/QC anomalies related to this report only are detailed below.

Volatile Organic Analysis:

Methylene chloride was recovered in samples AC85700-001 through –003 and –005 through –010 due possible laboratory contamination.

The Method Blank Spike for batches 44418, 44407, 44435, 44442, 44423, and 44436 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The MS/MSD RPD, Matrix Spike and/or Matrix Spike Duplicate for batches 44423 and 44436 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

Base Neutral/Acid Extractable Analysis:

The Method Blank Spike for batch 40053 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The MS/MSD RPD, Matrix Spike and/or Matrix Spike Duplicate for batch 40053 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

PCB Analysis:

The Matrix Spike and/or Matrix Spike Duplicate for batch 40016 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

Sample AC85566-009 (MSD) has a surrogate recovery outside QC limits. Please refer to the applicable Form 2 for the recoveries.

Pesticide Analysis:

Data conforms to method requirements.

Herbicide Analysis:

Data conforms to method requirements.

Metals Analysis:

The Matrix Spike and/or Matrix Spike Duplicate for batches 44152, 44153, and 44154 had recoveries outside QC limits. Please refer to the applicable Form 5/7 for the recoveries.

The RPD between the QC sample and the Method Replicate had recoveries outside QC limits in batches 44153 and 44154. Please refer to the applicable Form 6/9 for the recoveries.

The MS/MSD RPD had recoveries outside QC limits in batches 44153 and 44154. Please refer to the applicable Form 6/9 for the recoveries.

The serial dilution for batches 44152 and 44153 are outside QC limits for one or more analytes. Please refer to the applicable Form 6/9 for the recoveries.

Wet Chemistry Analysis:

Sample AC85700-017 for Hexavalent Chromium was received and analyzed out of hold.

The Sample DUP, Matrix Spike and/or Matrix Spike Duplicate were not performed in this batch 525 because samples were field blanks.

The MS Insoluble and MS Soluble for Hexavalent Chromium, batch 294 recovered outside the QC limits. The batch was reset and recoveries confirmed. The results from first analysis are reported.

The MS Insoluble for Hexavalent Chromium, batch 295 recovered outside the QC limits. The batch was reset and recoveries confirmed. The results from first analysis are reported.

TCLP Volatile Organic Analysis:

The Method Blank Spike for batches 44461 and 44108 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The Matrix Spike and/or Matrix Spike Duplicate for batch 44108 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

TCLP Metals Analysis:

The serial dilution for batch 44155 is outside QC limits for one or more analytes. Please refer to the applicable Form 6/9 for the recoveries.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Robin Cousineau
Quality Assurance Director

Or

Jean Revolus
Laboratory Director

7/10/2015
Date

HC Case Narrative

Client: Sovereign Consulting Inc.
Project: South Shore Outdoor

HC Project: 5062504

Hampton-Clarke (HC) received the following samples on 6/25/2015:

Client ID	HC Sample ID	Matrix	Analysis
LP-5 (15'-17')	AC85714-001	Soil/Encore	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+ Reanalysis Fee
LP-5 (20'-22')	AC85714-002	Soil/Encore	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+ Reanalysis Fee
LP-5 (28'-30')	AC85714-003	Soil/Encore	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+ Reanalysis Fee
LP-5 (38'-40')	AC85714-004	Soil/Encore	Login Fee
LP-4 (15'-17')	AC85714-005	Soil/Encore	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+ Reanalysis Fee
LP-4 (20'-22')	AC85714-006	Soil/Encore	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+ Reanalysis Fee
LP-4 (28'-30')	AC85714-007	Soil/Encore	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+ Reanalysis Fee
LP-4 (38'-40')	AC85714-008	Soil/Encore	Login Fee
LP-1 (20'-22')	AC85714-009	Soil/Encore	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+ Reanalysis Fee
LP-1 (30'-32')	AC85714-010	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+ Reanalysis Fee
LP-1 (38'-40')	AC85714-011	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+ Reanalysis Fee
LP-3 (5'-7')	AC85714-012	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+Reanalysis Fee, TCLP VO (8260C), TCLP Metals (6010C)
LP-3 (15'-17')	AC85714-013	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+ Reanalysis Fee
LP-3 (20'-22')	AC85714-014	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+ Reanalysis Fee
LP-3 (28'-30')	AC85714-015	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+ Reanalysis Fee
LP-3 (28'-30') MS	AC85714-016	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+ Reanalysis Fee
LP-3 (28'-30') MSD	AC85714-017	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+ Reanalysis Fee

LP-3 (38'-40')	AC85714-018	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+ Reanalysis Fee
2015-06-24-DUP	AC85714-019	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+ Reanalysis Fee
TRIP BLANK	AC85714-020	Aqueous	VO+10 (8260C)
LP-1 (17'-18')	AC85714-021	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+ Reanalysis Fee
2015_06_25_FB	AC85714-022	Aqueous	VO+10 (8260C), Metals (6010C/6020A/7470A), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (3500-Cr B)

This case narrative is in the form of an exception report. Method specific and/or QA/QC anomalies related to this report only are detailed below.

Volatile Organic Analysis:

Methylene chloride and/or Acetone was recovered in samples AC85714-010, -011, -012, -013, -014, -015, -018, -019, and -021 due to possible laboratory contamination.

The Method Blank Spike for batches 44430, 44435, 44442, 44428, 44498, and 44450 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The MS/MSD RPD, Matrix Spike and/or Matrix Spike Duplicate for batches 44428 and 44450 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

2-Chloroethylvinylether did not recover in the Matrix Spike and Matrix Spike Duplicate in batch (es) _____ due to acid preservation of sample. 2-Chloroethylvinylether readily decomposes under acidic conditions. The recovery of 2-Chloroethylvinylether is within QC limits in the Laboratory Control Sample. Please refer to the applicable Form 3 for the recoveries.

Base Neutral/Acid Extractable Analysis:

The Method Blank Spike for batch 40168 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The Matrix Spike and/or Matrix Spike Duplicate for batch 40168 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

PCB Analysis:

The Matrix Spike and/or Matrix Spike Duplicate for batch 40016 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

Sample AC85566-009 (MSD) has a surrogate recovery outside QC limits. Please refer to the applicable Form 2 for the recoveries.

Pesticide Analysis:

Data conforms to method requirements.

Herbicide Analysis:

Data conforms to method requirements.

Metals Analysis:

Batch18081 was reset due to LCS recovery failure in Co and Ni.

The Matrix Spike and/or Matrix Spike Duplicate for batches 44157, 44158, 44152, and 44210 had recoveries outside QC limits. Please refer to the applicable Form 5/7 for the recoveries.

The MS/MSD RPD had recoveries outside QC limits in batch 44209. Please refer to the applicable Form 6/9 for the recoveries.

The serial dilution for batches 44152 and 44210 are outside QC limits for one or more analytes. Please refer to the applicable Form 6/9 for the recoveries.

Wet Chemistry Analysis:

The MS Insoluble for Hexavalent Chromium, batch 295 recovered outside the QC limits. The batch was reset and recoveries confirmed. The results from first analysis are reported.

The MS Insoluble and MS Soluble for Hexavalent Chromium, batch 296 recovered outside the QC limits. The batch was reset and recoveries confirmed. The results from first analysis are reported.

The MS Insoluble for Hexavalent Chromium, batch 298 recovered outside the QC limits. The batch was reset and recoveries confirmed. The results from first analysis are reported.

The Matrix Spike and/or Matrix Spike Duplicate for batch W-1024 recovered outside QC limits. Please refer to the QC section for the recoveries.

Sample AC85714-011 was analyzed out of hold for the Cyanide analysis.

TCLP Volatile Organic Analysis:

The Method Blank Spike for batch 44470 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The MS/MSD RPD, Matrix Spike and/or Matrix Spike Duplicate for batch 44470 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

TCLP Metals Analysis:

Data conforms to method requirements.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Robin Cousineau
Quality Assurance Director

Or

Jean Revolus
Laboratory Director

7/21/05
Date

HC Case Narrative

Client: Sovereign Consulting Inc. **HC Project:** 5062633
Project: South Shore Outdoor

Hampton-Clarke (HC) received the following samples on 6/26/2015:

Client ID	HC Sample ID	Matrix	Analysis
SB-2 (5'-10')	AC85771-001	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), TCLP VO (8260C), TCLP Metals (6010C7470A)
SB-2 (13'-15')	AC85771-002	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A)
SB-2 (15'-17')	AC85771-003	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A)
LP-19 (10'-11')	AC85771-004	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A)
SB-2 (28'-30')	AC85771-005	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A)
LP-1A (15'-17')	AC85771-006	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A)
LP-1A (20'-22')	AC85771-007	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A)
LP-1A (28'-30')	AC85771-008	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A)
LP-1A (38'-40')	AC85771-009	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A)
Trip Blank	AC85771-010	Aqueous	VO+10 (8260C)
LP-2 (15'-17')	AC85771-011	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A)
LP-2 (20'-22')	AC85771-012	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A)
LP-2 (28'-30')	AC85771-013	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A)
LP-2 (38'-40')	AC85771-014	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A)

This case narrative is in the form of an exception report. Method specific and/or QA/QC anomalies related to this report only are detailed below.

Volatile Organic Analysis:

Samples AC85771-004 and –006 were analyzed at a dilution due to high concentration of target analytes.

Methylene chloride and/or Acetone was recovered in samples AC85771-001, -002, -003, -005, -007, -008, -009, -011, -012, -013, and –014 due to possible laboratory contamination.

The Method Blank Spike for batches 44461, 44442, 44466, 44456, and 44478 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The MS/MSD RPD, Matrix Spike and/or Matrix Spike Duplicate for batches 44456 and 44478 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

Base Neutral/Acid Extractable Analysis:

The Method Blank Spike for batch 40188 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The Matrix Spike and/or Matrix Spike Duplicate for batch 40188 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

PCB Analysis:
Data conforms to method requirements.

Pesticide Analysis:
Data conforms to method requirements.

Herbicide Analysis:
Data conforms to method requirements.

Metals Analysis:
The Matrix Spike and/or Matrix Spike Duplicate for batches 44169 and 44170 had recoveries outside QC limits. Please refer to the applicable Form 5/7 for the recoveries.

The RPD between the QC sample and the Method Replicate had recoveries outside QC limits in batch 44169. Please refer to the applicable Form 6/9 for the recoveries.

The serial dilution for batches 44169 and 44170 are outside QC limits for one or more analytes. Please refer to the applicable Form 6/9 for the recoveries.

Wet Chemistry Analysis:
The MS Insoluble for Hexavalent Chromium, batch 295 recovered outside the QC limits. The batch was reset and recoveries confirmed. The results from first analysis are reported.

The MS Insoluble for Hexavalent Chromium, batch 296 recovered outside the QC limits. The batch was reset and recoveries confirmed. The results from first analysis are reported.

TCLP Volatile Organic Analysis:
The Method Blank Spike for batch 44470 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The MS/MSD RPD, Matrix Spike and/or Matrix Spike Duplicate for batch 44470 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

TCLP Metals Analysis:
Data conforms to method requirements.

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Robin Cousineau
Quality Assurance Director

Or

Jean Revolus
Laboratory Director

7/14/2015
Date

HC Case Narrative

Client: Sovereign Consulting Inc.
Project: South Shore Outdoor

HC Project: 5063003

Hampton-Clarke (HC) received the following samples on 6/30/2015:

Client ID	HC Sample ID	Matrix	Analysis
LP-22 (15-17)	AC85788-001	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+Reanalysis Fee
LP-22 (20-22)	AC85788-002	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+Reanalysis Fee
LP-22 (20-22) MS	AC85788-003	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+Reanalysis Fee
LP-22 (20-22) MSD	AC85788-004	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+Reanalysis Fee
LP-22 (28-30)	AC85788-005	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+Reanalysis Fee
LP-22 (38-40)	AC85788-006	Soil/MeOH	Login Fee
LP-11 (5-10)	AC85788-007	Soil/MeOH	VO+10 (8260C), SVO (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+Reanalysis Fee, TCLP VO (8260C), TCLP Metals (6010C)
LP-11 (15-17)	AC85788-008	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+Reanalysis Fee
LP-11 (20-22)	AC85788-009	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+Reanalysis Fee
LP-11 (28-30)	AC85788-010	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+Reanalysis Fee
LP-11 (38-40)	AC85788-011	Soil/MeOH	Login Fee
LP-21 (15-17)	AC85788-012	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+Reanalysis Fee
LP-21 (20-22)	AC85788-013	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+Reanalysis Fee
LP-21 (28-30)	AC85788-014	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+Reanalysis Fee
LP-21 (38-40)	AC85788-015	Soil/MeOH	Login Fee
LP-13 (15-17)	AC85788-016	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+Reanalysis Fee
LP-13 (20-22)	AC85788-017	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+Reanalysis Fee
LP-13 (28-30)	AC85788-018	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+Reanalysis Fee
LP-13 (38-40)	AC85788-019	Soil/MeOH	Login Fee
2015_06_29	AC85788-020	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+Reanalysis Fee
Trip Blank	AC85788-021	Aqueous	VO+10 (8260C)
Field Blank	AC85788-022	Aqueous	VO+10 (8260C), SVO (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7470A), Cyanide (9012B), Cr Hex (3500-Cr B)

This case narrative is in the form of an exception report. Method specific and/or QA/QC anomalies related to this report only are detailed below.

Volatile Organic Analysis:

Methylene chloride and/or Acetone was recovered in samples AC85788-001, -002, -005, -007, -008, -009, -010, -012, -013, -014, -016, -017, -018, and -020 due to possible laboratory contamination.

The Method Blank Spike for batches 44474 and 44488 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The Matrix Spike and/or Matrix Spike Duplicate for batch 44488 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

Base Neutral/Acid Extractable Analysis:

The Method Blank Spike for batches 40202 and 40214 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The MS/MSD RPD, Matrix Spike and/or Matrix Spike Duplicate for batch 40202 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

PCB Analysis:

Data conforms to method requirements.

Pesticide Analysis:

The Matrix Spike Duplicate for batch 40222 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

Herbicide Analysis:

Data conforms to method requirements.

Metals Analysis:

The Matrix Spike for batch 44175 had recoveries outside QC limits. Please refer to the applicable Form 5/7 for the recoveries.

The RPD between the QC sample and the Method Replicate had recoveries outside QC limits in batch 44175. Please refer to the applicable Form 6/9 for the recoveries.

The serial dilution for batches 44175 and 44177 outside QC limits for one or more analytes. Please refer to the applicable Form 6/9 for the recoveries.

Wet Chemistry Analysis:

The MS Insoluble and MS Soluble for Hexavalent Chromium, batch 296 recovered outside the QC limits. The batch was reset and recoveries confirmed. The results from first analysis are reported.

The MS Insoluble and MS Soluble for Hexavalent Chromium, batch 297 recovered outside the QC limits. The batch was reset and recoveries confirmed. The results from first analysis are reported.

TCLP Volatile Organic Analysis:

The Method Blank Spike for batches 44508 and 44470 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The MS/MSD RPD, Matrix Spike and/or Matrix Spike Duplicate for batch 44470 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

TCLP Metals Analysis:
Data conforms to method requirements.

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Robin Cousineau
Quality Assurance Director

Jean Revolus
Laboratory Director

7/16/13
Date

HC Case Narrative

Client: Sovereign Consulting Inc.
Project: South Shore Outdoor

HC Project: 5070107

Hampton-Clarke (HC) received the following samples on 7/1/2015:

Client ID	HC Sample ID	Matrix	Analysis
LP-26 (15-17)	AC85812-001	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+ Reanalysis Fee
LP-26 (20-22)	AC85812-002	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+ Reanalysis Fee
LP-26 (20-22) MS	AC85812-003	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+ Reanalysis Fee
LP-26 (20-22) MSD	AC85812-004	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+ Reanalysis Fee
LP-26 (28-30)	AC85812-005	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+ Reanalysis Fee
LP-26 (38-40)	AC85812-006	Soil/MeOH	Login Fee
LP-25 (5-10)	AC85812-007	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+ Reanalysis Fee, TCLP VO (8260C), TCLP Metals (6010C/7470A)
LP-25 (15-17)	AC85812-008	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+ Reanalysis Fee
LP-25 (20-22)	AC85812-009	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+ Reanalysis Fee
LP-25 (28-30)	AC85812-010	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+ Reanalysis Fee
LP-25 (38-40)	AC85812-011	Soil/MeOH	Login Fee
2015_06_30_DUP	AC85812-012	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+ Reanalysis Fee
SW-7 (10-11)	AC85812-013	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+ Reanalysis Fee
SW-7 (28-30)	AC85812-014	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+ Reanalysis Fee
SW-6 (10-11)	AC85812-015	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+ Reanalysis Fee
SW-6 (28-30)	AC85812-016	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+ Reanalysis Fee
SW-4 (9-10)	AC85812-017	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+ Reanalysis Fee
SW-4 (28-30)	AC85812-018	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+ Reanalysis Fee
Field Blank	AC85812-019	Aqueous	VO+10 (8260C), Metals (6010C/6020A/7470A), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (3500-Cr B)
Trip Blank 1	AC85812-020	Aqueous	VO+10 (8260C)
Trip Blank 2	AC85812-021	Aqueous	VO+10 (8260C)

Fields are offset here to -19-

gA 9-21-15

This case narrative is in the form of an exception report. Method specific and/or QA/QC anomalies related to this report only are detailed below.

Volatile Organic Analysis:

Methylene chloride was recovered in samples AC85812-001, -002, -005, -007, -008, -009, -010, -012, -014, -015, -016, -017, -018, and –019 due to possible laboratory contamination.

Sample AC85812-013 was analyzed as a methanol extract due to high concentration of target analytes.

The Method Blank Spike for batches 44486, 44487, 44101, and 44490 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The MS/MSD RPD, Matrix Spike and/or Matrix Spike Duplicate for batches 44101 and 44490 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

Base Neutral/Acid Extractable Analysis:

Samples AC85812-015, and –017 were analyzed at a 3X dilution due to high concentration of target analytes.

Samples AC85812-013 was analyzed at a 3X dilution due to the viscosity of the extract.

The Method Blank Spike for batch 44595 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The MS/MSD RPD, Matrix Spike and/or Matrix Spike Duplicate for batch 44595 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

PCB Analysis:

Data conforms to method requirements.

Pesticide Analysis:

The Matrix Spike Duplicate for batch 40222 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

Herbicide Analysis:

Data conforms to method requirements.

Metals Analysis:

The Matrix Spike and/or Matrix Spike Duplicate for batch 44185 had recoveries outside QC limits. Please refer to the applicable Form 5/7 for the recoveries.

The RPD between the QC sample and the Method Replicate had recoveries outside QC limits in batch 44185. Please refer to the applicable Form 6/9 for the recoveries.

The serial dilution for batches 44185 and 44177 are outside QC limits for one or more analytes. Please refer to the applicable Form 6/9 for the recoveries.

Wet Chemistry Analysis:

The MS Insoluble for Hexavalent Chromium, batch 297 recovered outside the QC limits. The batch was reset and recoveries confirmed. The results from first analysis are reported.

The MS Insoluble for Hexavalent Chromium, batch 298 recovered outside the QC limits. The batch was reset and recoveries confirmed. The results from first analysis are reported.

TCLP Volatile Organic Analysis:

The Method Blank Spike for batches 44508, 46513, and 44470 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The MS/MSD RPD, Matrix Spike and/or Matrix Spike Duplicate for batch 44470 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

TCLP Metals Analysis:

Data conforms to method requirements.

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Robin Cousineau
Quality Assurance Director

Or

Jean Revolus
Laboratory Director

7/17/2015
Date

HC Case Narrative

Client: Sovereign Consulting Inc.
Project: South Shore Outdoor

HC Project: 5070208

Hampton-Clarke (HC) received the following samples on 7/2/2015:

Client ID	HC Sample ID	Matrix	Analysis
SW-9 (12-13)	AC85845-001	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee
SW-9 (28-30)	AC85845-002	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee
SW-8 (10-11)	AC85845-003	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee
SW-8 (10-11) MS	AC85845-004	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee
SW-8 (10-11) MSD	AC85845-005	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee
SW-8 (28-30)	AC85845-006	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee
2015_07-01 DUP	AC85845-007	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee
FIELD BLANK	AC85845-008	Aqueous	VO+10 (8260C), SVO+20 (8270D), Metals (6010C/6020A/7470A), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (3500-Cr B), CR6+ Reanalysis Fee
TRIP BLANK	AC85845-009	Aqueous	VO+10 (8260C)
SW-3 (8-9)	AC85845-010	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee
SW-3 (28-30)	AC85845-011	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee
SW-2 (15-16)	AC85845-012	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee
SW-2 (28-30)	AC85845-013	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee

This case narrative is in the form of an exception report. Method specific and/or QA/QC anomalies related to this report only are detailed below.

Volatile Organic Analysis:

Methylene chloride and/or Acetone were recovered in samples AC85845-001, -002, -003, -006, -007, -010, -011, -012, and –013 due to possible laboratory contamination.

The Method Blank Spike for batches 44503 and 44506 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The MS/MSD RPD, Matrix Spike and/or Matrix Spike Duplicate for batch 44506 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

Base Neutral/Acid Extractable Analysis:

Samples AC85845-001, -007, and –012 were analyzed at a 3X, 3X, and 5X dilution due to the viscosity of the extract.

Samples AC85845-003, -004, -005, and –010 were analyzed at a 5X, 5X, 5X, and 3X dilution due to high concentration of target analytes.

The Method Blank Spike for batches 44602 and 44605 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The MS/MSD RPD, Matrix Spike and/or Matrix Spike Duplicate for batch 44605 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

Samples AC85845-007, -011, and WMB44602 (MS) had a surrogate recovery outside QC limits, but the recovery is greater than 10%, therefore, no corrective action was necessary. Please refer to the applicable Form 2 for the recoveries.

Metals Analysis:

The Matrix Spike and/or Matrix Spike Duplicate for batches 44195, 44196, and 44191 had recoveries outside QC limits. Please refer to the applicable Form 5/7 for the recoveries.

The RPD between the QC sample and the Method Replicate had recoveries outside QC limits in batch 44195. Please refer to the applicable Form 6/9 for the recoveries.

The MS/MSD RPD had recoveries outside QC limits in batch 44195. Please refer to the applicable Form 6/9 for the recoveries.

The serial dilution for batch 44195 is outside QC limits for one or more analytes. Please refer to the applicable Form 6/9 for the recoveries.

Wet Chemistry Analysis:

The MS Insoluble, MS Soluble, and PVS for Hexavalent Chromium, batch 299 recovered outside the QC limits. The batch was reset and recoveries confirmed. The results from first analysis are reported.

The MS Insoluble and MS Soluble for Hexavalent Chromium, batch 298 recovered outside the QC limits. The batch was reset and recoveries confirmed. The results from first analysis are reported.

The Matrix Spike and/or Matrix Spike Duplicate for batch 1497 recovered outside QC limits. The MS/MSD RPD was over the 20% limit. Please refer to the QC section for the recoveries.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Robin Cousineau
Quality Assurance Director

Or

Jean Revolus
Laboratory Director

7/20/2015
Date

HC Case Narrative

Client: Sovereign Consulting Inc. **HC Project:** 5070806
Project: South Shore Outdoor

Hampton-Clarke (HC) received the following samples on 7/8/2015:

Client ID	HC Sample ID	Matrix	Analysis
SB-4 (0-2)	AC85917-001	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex. (7196A), CR6+ Reanalysis Fee
SB-4 (0-2) MS	AC85917-002	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex. (7196A), CR6+ Reanalysis Fee
SB-4 (0-2) MSD	AC85917-003	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex. (7196A), CR6+ Reanalysis Fee
SB-4 (5-10)	AC85917-004	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex. (7196A), CR6+ Reanalysis Fee
SB-4 (28-30)	AC85917-005	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex. (7196A), CR6+ Reanalysis Fee
IP-8 (0-2)	AC85917-006	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex. (7196A), CR6+ Reanalysis Fee
IP-8 (3-4)	AC85917-007	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex. (7196A), CR6+ Reanalysis Fee
2015_07_07 DUP	AC85917-008	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex. (7196A), CR6+ Reanalysis Fee
FIELD BLANK	AC85917-009	Aqueous	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7470A), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex. (SM 3500-Cr-B)
LP-20 (15-17)	AC85917-010	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex. (7196A), CR6+ Reanalysis Fee
LP-20 (25-27)	AC85917-011	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex. (7196A), CR6+ Reanalysis Fee
LP-20 (30-32)	AC85917-012	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex. (7196A), CR6+ Reanalysis Fee
LP-20 (38-40)	AC85917-013	Soil/MeOH	Login Fee
TRIP BLANK #1	AC85917-014	Aqueous	VO+10 (8260C)
TRIP BLANK #2	AC85917-015	Aqueous	VO+10 (8260C)

This case narrative is in the form of an exception report. Method specific and/or QA/QC anomalies related to this report only are detailed below.

Volatile Organic Analysis:

Methylene chloride and Acetone was recovered in samples AC85917-001, -004, -005, -006, -008, -010, -011, and –012 due to possible laboratory contamination.

Sample AC85917-007 was analyzed as a methanol extract due to high concentration of target analytes.

The Method Blank Spike for batches 46589, 46540, 46527, 46526, 46528, and 46592 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The MS/MSD RPD, Matrix Spike and/or Matrix Spike Duplicate for batches 46528 and 46592 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

Base Neutral/Acid Extractable Analysis:

The Method Blank Spike for batches 44626 and 44633 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The MS/MSD RPD, Matrix Spike and/or Matrix Spike Duplicate for batch 44633 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

Samples AC85917-001 through –003, -006, and –008 had a surrogate recovery outside QC limits, but the recovery is greater than 10%, therefore, no corrective action was necessary. Please refer to the applicable Form 2 for the recoveries.

PCB Analysis:

Data conforms to method requirements.

Pesticide Analysis:

The Matrix Spike for batch 44617 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

Herbicide Analysis:

The Matrix Spike for batch 44610 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

Metals Analysis:

The Matrix Spike and/or Matrix Spike Duplicate for batches 44216 and 44217 had recoveries outside QC limits. Please refer to the applicable Form 5/7 for the recoveries.

The RPD between the QC sample and the Method Replicate had recoveries outside QC limits in batch 44216. Please refer to the applicable Form 6/9 for the recoveries.

The MS/MSD RPD had recoveries outside QC limits in batch 44216. Please refer to the applicable Form 6/9 for the recoveries.

The serial dilution for batch 44216 is outside QC limits for one or more analytes. Please refer to the applicable Form 6/9 for the recoveries.

Wet Chemistry Analysis:

The MS Insoluble, MS Soluble, and PVS for Hexavalent Chromium, batch 299 recovered outside the QC limits. The batch was reset and recoveries confirmed. The results from first analysis are reported.

The MS Insoluble and MS Soluble for Hexavalent Chromium, batch 300 recovered outside the QC limits. The batch was reset and recoveries confirmed. The results from first analysis are reported.

The Matrix Spike and/or Matrix Spike Duplicate for batch HEX-CR-W-534 recovered outside QC limits. Please refer to the QC section for the recoveries.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Robin Cousineau
Quality Assurance Director

Or

Jean Revolus
Laboratory Director

7/23/2015
Date

HC Case Narrative

Client: Sovereign Consulting Inc.
Project: South Shore Outdoor

HC Project: 5070902

Hampton-Clarke (HC) received the following samples on 7/9/2015:

Client ID	HC Sample ID	Matrix	Analysis
LP-12 (15-17)	AC85936-001	Soil/MeOH	VO+10 (8260C), ~~SVO+20 (8270D)~~, Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee
LP-12 (20-22)	AC85936-002	Soil/MeOH	VO+10 (8260C), ~~SVO+20 (8270D)~~, Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee
LP-12 (20-22) MS	AC85936-003	Soil/MeOH	VO+10 (8260C), ~~SVO+20 (8270D)~~, Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A)
LP-12 (20-22) MSD	AC85936-004	Soil/MeOH	VO+10 (8260C), ~~SVO+20 (8270D)~~, Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A)
LP-12 (28-30)	AC85936-005	Soil/MeOH	VO+10 (8260C), ~~SVO+20 (8270D)~~, Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee
LP-12 (33-35)	AC85936-006	Soil/MeOH	Login Fee
LP-18 (15-17)	AC85936-007	Soil/MeOH	VO+10 (8260C), ~~SVO+20 (8270D)~~, Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee
LP-18 (20-22)	AC85936-008	Soil/MeOH	VO+10 (8260C), ~~SVO+20 (8270D)~~, Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee
LP-18 (28-30)	AC85936-009	Soil/MeOH	VO+10 (8260C), ~~SVO+20 (8270D)~~, Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee
LP-18 (5-10)	AC85936-010	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+ Reanalysis Fee, TCLP VO (8260C), TCLP Metals (6010C/7470A)
LP-18 (38-40)	AC85936-011	Soil/MeOH	Login Fee
LP-17 (5-10)	AC85936-012	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (7196A), CR6+ Reanalysis Fee, TCLP VO (8260C), TCLP Metals (6010C/7470A)
LP-17 (15-17)	AC85936-013	Soil/MeOH	VO+10 (8260C), ~~SVO+20 (8270D)~~, Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee
LP-17 (20-22)	AC85936-014	Soil/MeOH	VO+10 (8260C), ~~SVO+20 (8270D)~~, Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee
LP-17 (28-30)	AC85936-015	Soil/MeOH	VO+10 (8260C), ~~SVO+20 (8270D)~~, Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee
LP-17 (38-40)	AC85936-016	Soil/MeOH	Login Fee
SB-3 (10-12)	AC85936-017	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee
SB-3 (28-30)	AC85936-018	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee

Edits
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10-1-15

FIELD BLANK	AC85936-019	Aqueous	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7470A), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr Hex (3500-Cr B)
Trip Blank # 1	AC85936-020	Aqueous	VO+10 (8260C)
Trip Blank # 2	AC85936-021	Aqueous	VO+10 (8260C)
2015_07_08 Dup	AC85936-022	Soil/MeOH	VO+10 (8260C), ~~SVO+20 (8270D)~~, Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee

This case narrative is in the form of an exception report. Method specific and/or QA/QC anomalies related to this report only are detailed below.

Volatile Organic Analysis:

Methylene chloride was recovered in samples AC85936-001, -002, -005, -007, -008, -009, -010, -012, -013, -014, -015, -017, -018, and –022 due to possible laboratory contamination.

Acetone was recovered in sample AC85936-017 due to possible laboratory contamination.

The Method Blank Spike for batches 46540, 46546, 46568, and 46576 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The MS/MSD RPD, Matrix Spike and/or Matrix Spike Duplicate for batch 46576 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

Base Neutral/Acid Extractable Analysis:

The Method Blank Spike for batches 44630 and 44675 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The Matrix Spike and/or Matrix Spike Duplicate for batch 44675 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

Sample AC85936-017 has a surrogate recovery outside QC limits, but the recovery is greater than 10%, therefore, no corrective action was necessary. Please refer to the applicable Form 2 for the recoveries.

PCB Analysis:

Data conforms to method requirements.

Pesticide Analysis:

Data conforms to method requirements.

Herbicide Analysis:

Data conforms to method requirements.

Metals Analysis:

Sample AC85936-019 Al reset due Al contamination.

The Matrix Spike and/or Matrix Spike Duplicate for batches 44220 and 44221 had recoveries outside QC limits. Please refer to the applicable Form 5/7 for the recoveries.

The MS/MSD RPD had recoveries outside QC limits in batch 44220. Please refer to the applicable Form 6/9 for the recoveries.

The serial dilution for batch 44227 is outside QC limits for one or more analytes. Please refer to the applicable Form 6/9 for the recoveries.

Wet Chemistry Analysis:

The MS Insoluble and MS Soluble for Hexavalent Chromium, batch 300 recovered outside the QC limits. The batch was reset and recoveries confirmed. The results from first analysis are reported.

The MS Insoluble and MS Soluble for Hexavalent Chromium, batch 301 recovered outside the QC limits. The batch was reset and recoveries confirmed. The results from first analysis are reported.

TCLP Volatile Organic Analysis:

Chlorobenzene was recovered in Method Blank EF-1V-214660 due to possible laboratory contamination.

The Method Blank Spike for batch 46574 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The MS/MSD RPD, Matrix Spike and/or Matrix Spike Duplicate for batch 46574 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

TCLP Metals Analysis:

The serial dilution for batch 44228 is outside QC limits for one or more analytes. Please refer to the applicable Form 6/9 for the recoveries.

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Robin Cousineau
Quality Assurance Director

Or

Jean Revolus
Laboratory Director

7/27/2015
Date

HC Case Narrative

Client: Sovereign Consulting Inc.
Project: South Shore Outdoor

HC Project: 5071005

Hampton-Clarke (HC) received the following samples on 7/10/2015:

Client ID	HC Sample ID	Matrix	Analysis
LP-19 (10-15)	AC85965-001	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee
LP-19 (15-17)	AC85965-002	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee
LP-19 (20-22)	AC85965-003	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee
LP-19 (28-30)	AC85965-004	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee
LP-19 (38-40)	AC85965-005	Soil/MeOH	Login Fee
LP-10 (15-17)	AC85965-006	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee
LP-10 (20-22)	AC85965-007	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee
LP-10 (28-30)	AC85965-008	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee
LP-10 (38-40)	AC85965-009	Soil/MeOH	Login Fee
2015-07-09 DUP	AC85965-010	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee
DW-21A (12-14)	AC85965-011	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B),HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee
DW-21A (20-22)	AC85965-012	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B),HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee
DW-21A (28-30)	AC85965-013	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B),HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee
SW-5 (19-21)	AC85965-014	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B),HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee, TCLP VO (8260C), TCLP Metals (6010C)
SW-5 (21-25)	AC85965-015	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B),HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee, TCLP VO (8260C), TCLP Metals (6010C)
SW-5 (28-30)	AC85965-016	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B),HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee, TCLP VO (8260C), TCLP Metals (6010C)
SW-5 (38-40)	AC85965-017	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B),HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee, TCLP VO (8260C), TCLP Metals (6010C)

SW-10 (12-14)	AC85965-018	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee
SW-10 (28-30)	AC85965-019	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee
FIELD BLANK	AC85965-020	Aqueous	VO+10 (8260C), SVO+20 (8270D), Metals (6010C/6020A/7470A), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (3500-Cr B), CR6+ Reanalysis Fee
TRIP BLANK #1	AC85965-021	Aqueous	VO+10 (8260C)
TRIP BLANK #2	AC85965-022	Aqueous	VO+10 (8260C)
LP-10 (28-30) MS	AC85965-023	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee
LP-10 (28-30) MSD	AC85965-024	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee
DW-21 (38'-40')	AC85965-025	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (2580), pH (9040C/9045D), Cr. Hex. (7196A), CR6+ Reanalysis Fee

This case narrative is in the form of an exception report. Method specific and/or QA/QC anomalies related to this report only are detailed below.

Volatile Organic Analysis:

The VO soil samples were not collected as encores. Any reported sample concentrations below 200 ug/kg may be biased low due to the samples not being collected according to 5035A low-level specifications.

Methylene chloride and/or Acetone was recovered in samples AC85965-001 through –004, -006 through –008, -010 through –013, and –016 through –019 due to possible laboratory contamination.

Samples AC85965-014 and –015 were analyzed as a methanol extract due to high concentration of target analytes.

The Method Blank Spike for batches 46550, 46584, 46551, 46572, and 46547 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The MS/MSD RPD, Matrix Spike and/or Matrix Spike Duplicate for batches 46572 and 46547 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

Base Neutral/Acid Extractable Analysis:

Samples AC85965-014 and –018 were analyzed at a 5X and 3X dilution due to high concentration of target analytes.

The MS/MSD RPD, Method Blank Spike for batches 44630, 44698, and 44699 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The Matrix Spike and/or Matrix Spike Duplicate for batch 44698 and 44699 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

Sample SMB44699 has a surrogate recovery outside QC limits, but the recovery is greater than 10%, therefore, no corrective action was necessary. Please refer to the applicable Form 2 for the recoveries.

PCB Analysis:

Data conforms to method requirements.

Pesticide Analysis:

Sample AC85965-014 were analyzed at dilution due to high concentration of non-target analytes.

Herbicide Analysis:

Sample AC85965-014 were analyzed at dilution due to high concentration of non-target analytes.

The Matrix Spike for batch 44610 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

Metals Analysis:

The Matrix Spike and/or Matrix Spike Duplicate for batch 44225 had recoveries outside QC limits. Please refer to the applicable Form 5/7 for the recoveries.

The RPD between the QC sample and the Method Replicate had recoveries outside QC limits in batch 44225. Please refer to the applicable Form 6/9 for the recoveries.

The MS/MSD RPD had recoveries outside QC limits in batch 44225. Please refer to the applicable Form 6/9 for the recoveries.

The serial dilution for batches 44225 and 44227 are outside QC limits for one or more analytes. Please refer to the applicable Form 6/9 for the recoveries.

Wet Chemistry Analysis:

The MS Insoluble and/or MS Soluble for Hexavalent Chromium, batch 300 recovered outside the QC limits. The batch was reset and recoveries confirmed. The results from first analysis are reported.

The MS Insoluble and/or MS Soluble for Hexavalent Chromium, batch 301 recovered outside the QC limits. The batch was reset and recoveries confirmed. The results from first analysis are reported.

The MS Insoluble and/or MS Soluble for Hexavalent Chromium, batch 302 recovered outside the QC limits. The batch was reset and recoveries confirmed. The results from first analysis are reported.

TCLP Volatile Organic Analysis:

Chlorobenzene was recovered in samples AC85965-015, -016, -017, and EF-1V-214660 due to possible laboratory contamination.

The Method Blank Spike for batch 46574 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The MS/MSD RPD, Matrix Spike and/or Matrix Spike Duplicate for batch 46574 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

TCLP Metals Analysis:

The serial dilution for batch 44228 is outside QC limits for one or more analytes. Please refer to the applicable Form 6/9 for the recoveries.

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Robin Cousineau
Quality Assurance Director

Or

Jean Revolus
Laboratory Director

7/29/2015
Date

HC Case Narrative

Client: Sovereign Consulting Inc.
Project: South Shore Outdoor

HC Project: 5071405

Hampton-Clarke (HC) received the following samples on 7/14/2015:

Client ID	HC Sample ID	Matrix	Analysis
LP-14 (15-17)	AC86005-001	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)
LP-14 (20-22)	AC86005-002	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)
LP-14 (28-30)	AC86005-003	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)
LP-14 (38-40)	AC86005-004	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)
SB-1 (0-2)	AC86005-005	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)
SB-1 (15-20)	AC86005-006	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)
SB-1 (28-30)	AC86005-007	Soil/MeOH	VO+10 (8260C), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)
SW-1 (18-20)	AC86005-008	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)
SW-1 (28-30)	AC86005-009	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)
TRIP BLANK #1	AC86005-010	Aqueous	VO+10 (8260C)
MW-1 (0-2) MS	AC86005-011	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)
MW-1 (10-15)	AC86005-012	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)
MW-1 (28-30)	AC86005-013	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)
MW-4 (0-2)	AC86005-014	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)
MW-4 (28-30)	AC86005-015	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)
MW-3 (0-2)	AC86005-016	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)
MW-3 (28-30)	AC86005-017	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)
FIELD BLANK	AC86005-018	Aqueous	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7470A), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (SM 3500-Cr B)
2015-07-03 DUP	AC86005-019	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)

TRIP BLANK #2	AC86005-020	Aqueous	VO+10 (8260C)
MW-1 (0-2) MSD	AC86005-021	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)
MW-1 (0-2)	AC86005-022	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)

This case narrative is in the form of an exception report. Method specific and/or QA/QC anomalies related to this report only are detailed below.

Volatile Organic Analysis:

Methylene chloride and/or Acetone was recovered in samples AC86005-001 through –009, 012 through –017, -019, and –022 due to possible laboratory contamination.

The Method Blank Spike for batches 46571, 46573, 46587, 46590, 46604, 46618, and 46586 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The MS/MSD RPD, Matrix Spike and/or Matrix Spike Duplicate for batch 46586 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

Base Neutral/Acid Extractable Analysis:

Bis (2-Ethylhexyl) phthalate was recovered in sample AC86005-018 due to possible laboratory contamination. Samples are flagged with "B" qualifier.

The Method Blank Spike for batches 44696 and 44651 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The Matrix Spike and/or Matrix Spike Duplicate for batch 44651 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

Samples SMB44651(10M51692, 9M65442), AC86005-014, WMB44696 (MS) and SMB44651 (MS) had a surrogate recovery outside QC limits, but the recovery is greater than 10%, therefore, no corrective action was necessary. Please refer to the applicable Form 2 for the recoveries.

PCB Analysis:

Data conforms to method requirements.

Pesticide Analysis:

Data conforms to method requirements.

Herbicide Analysis:

Data conforms to method requirements.

Metals Analysis:

Sample AC856005-016: Ba, Ni, and Pb reported from dilution due to Ca interelemental interference.

The Matrix Spike and/or Matrix Spike Duplicate for batches 44235 and 44236 had recoveries outside QC limits. Please refer to the applicable Form 5/7 for the recoveries.

The RPD between the QC sample and the Method Replicate had recoveries outside QC limits in batch 44235. Please refer to the applicable Form 6/9 for the recoveries.

The serial dilution for batches 44235 and 44227 are outside QC limits for one or more analytes. Please refer to the applicable Form 6/9 for the recoveries.

Wet Chemistry Analysis:

The MS Insoluble for Hexavalent Chromium, batch 302 recovered outside the QC limits. The batch was reset and recoveries confirmed. The results from first analysis are reported.

The MS Insoluble, MS Soluble, and PVS for Hexavalent Chromium, batch 303 recovered outside the QC limits. The batch was reset and recoveries confirmed. The results from first analysis are reported.

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Robin Cousineau
Quality Assurance Director

Or

Jean Revolus
Laboratory Director

7/29/2015
Date

HC Case Narrative

Client: Sovereign Consulting Inc. **HC Project:** 5071505
Project: South Shore Outdoor

Hampton-Clarke (HC) received the following samples on 7/15/2015:

Client ID	HC Sample ID	Matrix	Analysis
MW-2 (0-2)	AC86035-001	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)
MW-2 (0-2) MS	AC86035-002	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)
MW-2 (0-2) MSD	AC86035-003	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)
MW-2 (28-30)	AC86035-004	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)
MW-2 (5-10)	AC86035-005	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)
MW-5 (0-2)	AC86035-006	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)
MW-5 (28-30)	AC86035-007	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)
2015_07-14 DUP	AC86035-008	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)
FIELD BLANK	AC86035-009	Aqueous	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7470A), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (SM 3500-Cr B)
TRIP BLANK #1	AC86035-010	Aqueous	VO+10 (8260C)
TRIP BLANK #2	AC86035-011	Aqueous	VO+10 (8260C)

This case narrative is in the form of an exception report. Method specific and/or QA/QC anomalies related to this report only are detailed below.

Volatile Organic Analysis:

Methylene chloride and Acetone was recovered in samples AC86035-001 and –004 through –008 due to possible laboratory contamination.

The Method Blank Spike for batches 46581 and 46618 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The MS/MSD RPD, Matrix Spike and/or Matrix Spike Duplicate for batch 46618 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

Base Neutral/Acid Extractable Analysis:

The Method Blank Spike for batches 44643 and 44720 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The MS/MSD RPD, Matrix Spike and/or Matrix Spike Duplicate for batch 44720 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

Samples SMB44720, AC86035-001, -002, -006, -007, -008, and SMB44720 (MS) had a surrogate recovery outside QC limits, but the recovery is greater than 10%, therefore, no corrective action was necessary. Please refer to the applicable Form 2 for the recoveries.

The surrogates were double spiked in sample AC86035-006. Percent recoveries on form 2 were adjusted to reflect spiking error. Please refer to the applicable Form 2 for the recoveries.

PCB Analysis:

The Matrix Spike for batch 44716 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

Pesticide Analysis:

Data conforms to method requirements.

Herbicide Analysis:

Data conforms to method requirements.

Metals Analysis:

Sample AC86035-009: Al reset due to Method Blank Contamination.

The Matrix Spike and/or Matrix Spike Duplicate for batches 44237 and 44238 had recoveries outside QC limits. Please refer to the applicable Form 5/7 for the recoveries.

The RPD between the QC sample and the Method Replicate had recoveries outside QC limits in batch 44237. Please refer to the applicable Form 6/9 for the recoveries.

The MS/MSD RPD had recoveries outside QC limits in batch 44237. Please refer to the applicable Form 6/9 for the recoveries.

The serial dilution for batches 44237 and 44231 outside QC limits for one or more analytes. Please refer to the applicable Form 6/9 for the recoveries.

Wet Chemistry Analysis:

The MS Insoluble, MS Soluble, and PVS for Hexavalent Chromium, batch 303 recovered outside the QC limits. The batch was reset and recoveries confirmed. The results from first analysis are reported.

The MS Insoluble for Hexavalent Chromium, batch 304 recovered outside the QC limits. The batch was reset and recoveries confirmed. The results from first analysis are reported.

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Robin Cousineau
Quality Assurance Director

Or

Jean Revolus
Laboratory Director

7/29/2010
Date

HC Case Narrative

Client: Sovereign Consulting Inc. **HC Project:** 5071603
Project: South Shore Outdoor

Hampton-Clarke (HC) received the following samples on 7/16/2015:

Client ID	HC Sample ID	Matrix	Analysis
IP-6 (0-2)	AC86051-001	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)
IP-6 (4-6)	AC86051-002	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)
IP-2 (0-2)	AC86051-003	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)
IP-2 (6-8)	AC86051-004	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)
IP-3 (0-2)	AC86051-005	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)
IP-3 (4-8)	AC86051-006	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)
IP-1 (0-2)	AC86051-007	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)
IP-1 (2-4)	AC86051-008	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)
FIELD BLANK	AC86051-009	Aqueous	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7470A), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (SM 3500-Cr B)
TRIP BLANK#1	AC86051-010	Aqueous	VO+10 (8260C)
IP-4 (0-2)	AC86051-011	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)
IP-4 (6-8)	AC86051-012	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)
IP-5 (0-2)	AC86051-013	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)
IP-5 (4-8)	AC86051-014	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)
IP-7 (0-2)	AC86051-015	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)
IP-7 (6-8)	AC86051-016	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)
2015-07-15-DUP	AC86051-017	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)
TRIP BLANK#2	AC86051-018	Aqueous	VO+10 (8260C)

IP-7 (0-2) MS	AC86051-019	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)
IP-7 (0-2) MSD	AC86051-020	Soil/MeOH	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7471B), Cyanide (9012B), Eh (SM 2580), pH (9040C/9045D), Cr Hex (7196A)

This case narrative is in the form of an exception report. Method specific and/or QA/QC anomalies related to this report only are detailed below.

Volatile Organic Analysis:

Methylene chloride and/or Acetone was recovered in samples AC86051-001 through –008 and –011 through –017 due to possible laboratory contamination.

The Method Blank Spike for batches 46591, 46595, 46604, and 46590 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The MS/MSD RPD, Matrix Spike and/or Matrix Spike Duplicate for batch 46590 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

Base Neutral/Acid Extractable Analysis:

Sample AC86051-008 was analyzed at a 3X dilution due to viscosity of the extract.

Sample AC86051-013 was analyzed at a 3X dilution due to high concentration of target analytes.

The Method Blank Spike for batches 44736, 44643, and 44732 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The Matrix Spike and/or Matrix Spike Duplicate for batch 44732 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

Samples SMB44732, AC86051-005, -006, -014, and SMB44732 (MS) had a surrogate recovery outside QC limits, but the recovery is greater than 10%, therefore, no corrective action was necessary. Please refer to the applicable Form 2 for the recoveries.

Sample AC86051-002 had one or more surrogates outside QC limits. The sample was re-extracted and re-analyzed confirming recoveries outside QC limits due to matrix interference. The initial is reported. Please refer to the applicable Form 2 for the recoveries.

The surrogates were double spiked in samples SMB44736, SMB44736 (MS), and AC86051-006. Percent recoveries on form 2 were adjusted to reflect spiking error. Please refer to the applicable Form 2 for the recoveries.

PCB Analysis:

The Matrix Spike and/or Matrix Spike Duplicate for batch 44730 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

Pesticide Analysis:

Data conforms to method requirements.

Herbicide Analysis:

Data conforms to method requirements.

Metals Analysis:

Sample AC86051-009: Al reset due to MB contamination.

The Matrix Spike and/or Matrix Spike Duplicate for batch 44247 had recoveries outside QC limits. Please refer to the applicable Form 5/7 for the recoveries.

The RPD between the QC sample and the LCSMR had recoveries outside QC limits in batch 44247. Please refer to the applicable Form 6/9 for the recoveries.

The RPD between the QC sample and the Method Replicate had recoveries outside QC limits in batch 44246. Please refer to the applicable Form 6/9 for the recoveries.

The MS/MSD RPD had recoveries outside QC limits in batch 44246. Please refer to the applicable Form 6/9 for the recoveries.

The serial dilution for batches 44246, 44259, and 44273 are outside QC limits for one or more analytes. Please refer to the applicable Form 6/9 for the recoveries.

Wet Chemistry Analysis:

The MS Insoluble, MS Soluble, and PVS for Hexavalent Chromium, batch 303 recovered outside the QC limits. The batch was reset and recoveries confirmed. The results from first analysis are reported.

The MS Insoluble for Hexavalent Chromium, batch 305 recovered outside the QC limits. The batch was reset and recoveries confirmed. The results from first analysis are reported.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Robin Cousineau
Quality Assurance Director

Or

Jean Revolus
Laboratory Director

7/29/2015
Date

HC Case Narrative

Client: Sovereign Consulting Inc.
Project: South Shore Outdoor

HC Project: 5071735

Hampton-Clarke (HC) received the following samples on 7/17/2015:

Client ID	HC Sample ID	Matrix	Analysis
GWP-2 (65)	AC86116-001	Aqueous	VO+10 (8260C)
GWP-2 (60)	AC86116-002	Aqueous	VO+10 (8260C)
GWP-2 (55)	AC86116-003	Aqueous	VO+10 (8260C)
GWP-2 (50)	AC86116-004	Aqueous	VO+10 (8260C)
GWP-2 (45)	AC86116-005	Aqueous	VO+10 (8260C)
GWP-2 (45) MS	AC86116-006	Aqueous	VO+10 (8260C)
GWP-2 (45) MSD	AC86116-007	Aqueous	VO+10 (8260C)
GWP-2 (40)	AC86116-008	Aqueous	VO+10 (8260C)
GWP-2 (35)	AC86116-009	Aqueous	VO+10 (8260C)
TRIP BLANK	AC86116-010	Aqueous	VO+10 (8260C)
FIELD BLANK	AC86116-011	Aqueous	VO+10 (8260C)
GWP-3 (65)	AC86116-012	Aqueous	VO+10 (8260C)
GWP-3 (60)	AC86116-013	Aqueous	VO+10 (8260C)
GWP-3 (55)	AC86116-014	Aqueous	VO+10 (8260C)
GWP-3 (50)	AC86116-015	Aqueous	VO+10 (8260C)
GWP-3 (45)	AC86116-016	Aqueous	VO+10 (8260C)
GWP-3 (40)	AC86116-017	Aqueous	VO+10 (8260C)
GWP-3 (35)	AC86116-018	Aqueous	VO+10 (8260C)
FIELD BLANK	AC86116-019	Aqueous	VO+10 (8260C)
2015_07-17 DUP	AC86116-020	Aqueous	VO+10 (8260C)

This case narrative is in the form of an exception report. Method specific and/or QA/QC anomalies related to this report only are detailed below.

Volatile Organic Analysis:

The Method Blank Spike for batch 46602 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The Method Blank Spike, MS/MSD RPD, Matrix Spike and/or Matrix Spike Duplicate for batch 46600 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

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Robin Cousineau
Quality Assurance Director

Or

Jean Revolus
Laboratory Director

7/30/2015
Date

The MS/MSD RPD, Matrix Spike and/or Matrix Spike Duplicate for batch 44747 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

PCB Analysis:

Data conforms to method requirements.

Pesticide Analysis:

Data conforms to method requirements.

Herbicide Analysis:

Data conforms to method requirements.

Metals Analysis:

Data conforms to method requirements.

Wet Chemistry Analysis:

Sample AC86147-001: Cr+6 Water was analyzed out of hold.

The Matrix Spike and/or Matrix Spike Duplicate for batch HEX-CR-W-542 recovered outside QC limits. Please refer to the QC section for the recoveries.

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Robin Cousineau
Quality Assurance Director

Or

Jean Revolus
Laboratory Director

8/5/2005
Date

HC Case Narrative

Client: Sovereign Consulting Inc.
Project: South Shore Outdoor

HC Project: 5072307

Hampton-Clarke (HC) received the following samples on 7/23/2015:

Client ID	HC Sample ID	Matrix	Analysis
GWP-1 (65)	AC86170-001	Aqueous	VO+10 (8260C)
GWP-1 (60)	AC86170-002	Aqueous	VO+10 (8260C)
GWP-1 (60) MS	AC86170-003	Aqueous	VO+10 (8260C)
GWP-1 (60) MSD	AC86170-004	Aqueous	VO+10 (8260C)
GWP-1 (55)	AC86170-005	Aqueous	VO+10 (8260C)
GWP-1 (50)	AC86170-006	Aqueous	VO+10 (8260C)
GWP-1 (45)	AC86170-007	Aqueous	VO+10 (8260C)
GWP-1 (40)	AC86170-008	Aqueous	VO+10 (8260C)
GWP-1 (35)	AC86170-009	Aqueous	VO+10 (8260C)
2015-07-20 Dup	AC86170-010	Aqueous	VO+10 (8260C)
TB 7/20	AC86170-011	Aqueous	VO+10 (8260C)
FB 7/20	AC86170-012	Aqueous	VO+10 (8260C)
GWP-5 (65)	AC86170-013	Aqueous	VO+10 (8260C)
GWP-5 (60)	AC86170-014	Aqueous	VO+10 (8260C)
GWP-5 (55)	AC86170-015	Aqueous	VO+10 (8260C)
GWP-5 (50)	AC86170-016	Aqueous	VO+10 (8260C)
GWP-6 (65)	AC86170-017	Aqueous	VO+10 (8260C)
GWP-6 (60)	AC86170-018	Aqueous	VO+10 (8260C)
GWP-6 (55)	AC86170-019	Aqueous	VO+10 (8260C)
GWP-6 (50)	AC86170-020	Aqueous	VO+10 (8260C)
GWP-6 (45)	AC86170-021	Aqueous	VO+10 (8260C)
TB 7/22	AC86170-022	Aqueous	VO+10 (8260C)
FB 7/22	AC86170-023	Aqueous	VO+10 (8260C)

This case narrative is in the form of an exception report. Method specific and/or QA/QC anomalies related to this report only are detailed below.

Volatile Organic Analysis:

The Method Blank Spike for batches 46651, 46656, 46660, and 46669 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The MS/MSD RPD, Matrix Spike and/or Matrix Spike Duplicate for batch 46656 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

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Robin Cousineau
Quality Assurance Director

Or

Jean Revolus
Laboratory Director

8/5/2015
Date

HC Case Narrative

Client: Sovereign Consulting Inc.
Project: South Shore Outdoor

HC Project: 5072401

Hampton-Clarke (HC) received the following samples on 7/24/2015:

Client ID	HC Sample ID	Matrix	Analysis
GWP-4 (60)	AC86188-001	Aqueous	VO+10 (8260C)
GWP-4 (60) MS	AC86188-002	Aqueous	VO+10 (8260C)
GWP-4 (60) MSD	AC86188-003	Aqueous	VO+10 (8260C)
GWP-4 (55)	AC86188-004	Aqueous	VO+10 (8260C)
GWP-4 (50)	AC86188-005	Aqueous	VO+10 (8260C)
GWP-4 (45)	AC86188-006	Aqueous	VO+10 (8260C)
GWP-4 (40)	AC86188-007	Aqueous	VO+10 (8260C)
GWP-4 (35)	AC86188-008	Aqueous	VO+10 (8260C)
2015-07-23 DUP	AC86188-009	Aqueous	VO+10 (8260C)
TRIP BLANK	AC86188-010	Aqueous	VO+10 (8260C)
FIELD BLANK	AC86188-011	Aqueous	VO+10 (8260C)
GWP-4 (65)	AC86188-012	Aqueous	VO+10 (8260C)

This case narrative is in the form of an exception report. Method specific and/or QA/QC anomalies related to this report only are detailed below.

Volatile Organic Analysis:

The Method Blank Spike for batch 46682 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The MS/MSD RPD, Matrix Spike and/or Matrix Spike Duplicate for batch 46682 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

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Robin Cousineau
Quality Assurance Director

Or

Jean Revolus
Laboratory Director

8/5/2015
Date

HC Case Narrative

Client: Sovereign Consulting Inc. **HC Project:** 5072118
Project: South Shore Outdoor

Hampton-Clarke (HC) received the following samples on 7/21/2015:

Client ID	HC Sample ID	Matrix	Analysis
GWP-5 (45)	AC86147-001	Aqueous	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7470A), Cyanide (9012B), Cr Hex (SM 3500-Cr B)
GWP-5 (40)	AC86147-002	Aqueous	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7470A), Cyanide (9012B), Cr Hex (SM 3500-Cr B)
GWP-5 (40) MS	AC86147-003	Aqueous	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7470A), Cyanide (9012B), Cr Hex (SM 3500-Cr B)
GWP-5 (40) MSD	AC86147-004	Aqueous	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7470A), Cyanide (9012B), Cr Hex (SM 3500-Cr B)
GWP-5 (35)	AC86147-005	Aqueous	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7470A), Cyanide (9012B), Cr Hex (SM 3500-Cr B)
GWP-6 (40)	AC86147-006	Aqueous	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7470A), Cyanide (9012B), Cr Hex (SM 3500-Cr B)
GWP-6 (35)	AC86147-007	Aqueous	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7470A), Cyanide (9012B), Cr Hex (SM 3500-Cr B)
Field Blank	AC86147-008	Aqueous	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7470A), Cyanide (9012B), Cr Hex (SM 3500-Cr B)
Trip Blank	AC86147-009	Aqueous	VO+10 (8260C)
2015-07-21 DUP	AC86147-010	Aqueous	VO+10 (8260C), SVO+20 (8270D), PCB (8082A), PE (8081B), HE (8151A), Metals (6010C/6020A/7470A), Cyanide (9012B), Cr Hex (SM 3500-Cr B)

This case narrative is in the form of an exception report. Method specific and/or QA/QC anomalies related to this report only are detailed below.

Volatile Organic Analysis:

Samples AC86147-005 and -010 were analyzed at a dilution due to high concentration of target analytes.

The Method Blank Spike for batches 46651 and 46663 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The MS/MSD RPD, Matrix Spike and/or Matrix Spike Duplicate for batch 46651 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

Base Neutral/Acid Extractable Analysis:

The Method Blank Spike for batch 44747 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

HC Case Narrative

Client: Sovereign Consulting Inc.
Project: South Shore Outdoor

HC Project: 5081822

Hampton-Clarke (HC) received the following samples on August 18, 2015:

Entries offset 9-26-15

Client ID	HC Sample ID	Matrix	Analysis
MW-1S	AC86566-001	Aqueous	VO+10 (8260C), Semi-VO+20 (8270D), PCB (8082A), Pesticides (8081B), Herbicides (8151A), Metals (6010C/6020A/7470A), Hex-Cr (SM 3500-Cr B), Cyanide (9012B)
MW-1D	AC86566-002	Aqueous	VO+10 (8260C), Semi-VO+20 (8270D), PCB (8082A), Pesticides (8081B), Herbicides (8151A), Metals (6010C/6020A/7470A), Hex-Cr (SM 3500-Cr B), Cyanide (9012B)
FIELD BLANK	AC86566-003	Aqueous	VO+10 (8260C), Semi-VO+20 (8270D), PCB (8082A), Pesticides (8081B), Herbicides (8151A), Metals (6010C/6020A/7470A), Hex-Cr (SM 3500-Cr B), Cyanide (9012B)
TRIP BLANK #1	AC86566-004	Aqueous	VO+10 (8260C)
TRIP BLANK #2	AC86566-005	Aqueous	VO+10 (8260C)
TRIP BLANK #3	AC86566-006	Aqueous	VO+10 (8260C)
MW-5S	AC86589-001	Aqueous	VO+10 (8260C), Semi-VO+20 (8270D), PCB (8082A), Pesticides (8081B), Herbicides (8151A), Metals (6010C/6020A/7470A), Hex-Cr (SM 3500-Cr B), Cyanide (9012B)
MW-5D	AC86589-002	Aqueous	VO+10 (8260C), Semi-VO+20 (8270D), PCB (8082A), Pesticides (8081B), Herbicides (8151A), Metals (6010C/6020A/7470A), Hex-Cr (SM 3500-Cr B), Cyanide (9012B)
MW-5D-MS	AC86589-003	Aqueous	VO+10 (8260C), Semi-VO+20 (8270D), PCB (8082A), Pesticides (8081B), Herbicides (8151A), Metals (6010C/6020A/7470A), Hex-Cr (SM 3500-Cr B), Cyanide (9012B)
MW-5D-MSD	AC86589-004	Aqueous	VO+10 (8260C), Semi-VO+20 (8270D), PCB (8082A), Pesticides (8081B), Herbicides (8151A), Metals (6010C/6020A/7470A), Hex-Cr (SM 3500-Cr B), Cyanide (9012B)
2015_08_19-DUP	AC86589-005	Aqueous	VO+10 (8260C), Semi-VO+20 (8270D), PCB (8082A), Pesticides (8081B), Herbicides (8151A), Metals (6010C/6020A/7470A), Hex-Cr (SM 3500-Cr B), Cyanide (9012B)
TRIP BLANK#4	AC86589-006	Aqueous	VO+10 (8260C)
TRIP BLANK#5	AC86589-007	Aqueous	VO+10 (8260C)
TRIP BLANK#6	AC86589-008	Aqueous	VO+10 (8260C)
MW-2	AC86610-001	Aqueous	VO+10 (8260C), Semi-VO+20 (8270D), PCB (8082A), Pesticides (8081B), Herbicides (8151A), Metals (6010C/6020A/7470A), Hex-Cr (SM 3500-Cr B), Cyanide (9012B)
MW-3	AC86610-002	Aqueous	VO+10 (8260C), Semi-VO+20 (8270D), PCB (8082A), Pesticides (8081B), Herbicides (8151A), Metals (6010C/6020A/7470A), Hex-Cr (SM 3500-Cr B), Cyanide (9012B)
MW-6	AC86610-003	Aqueous	VO+10 (8260C), Semi-VO+20 (8270D), PCB (8082A),

2 ✓

			Pesticides (8081B), Herbicides (8151A), Metals (6010C/6020A/7470A), Hex-Cr (SM 3500-Cr B), Cyanide (9012B)
Trip Blank#7	AC86610-004	Aqueous	VO+10 (8260C)
Trip Blank#8	AC86610-005	Aqueous	VO+10 (8260C)
Trip Blank#9	AC86610-006	Aqueous	VO+10 (8260C)

This case narrative is in the form of an exception report. Method specific and/or QA/QC anomalies related to this report only are detailed below.

Volatile Organic Analysis:

Sample AC86589-001 was analyzed at a dilution due to high concentration of target analytes.

The Method Blank Spike for batches 46849, 46858, 46943, 46963, 46965, 46972 and 46973 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The MS/MSD RPD, Matrix Spike and/or Matrix Spike Duplicate for batches 46858, 46943 and 46972 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

Base Neutral/Acid Extractable Analysis:

The Method Blank Spike for batches 44819, 46358 and 46374 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The Matrix Spike and/or Matrix Spike Duplicate for batches 44819, 46358 and 46374 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

Samples AC86566-003, AC86566-001(MS), AC86589-002, 003, 005, WMB46374, WMB46374(MS), AC86610-001, 002, 003, AC86652-001 and AC86652-001(MS/MSD) had a surrogate recovery outside QC limits, but the recovery is greater than 10%, therefore, no corrective action was necessary. Please refer to the applicable Form 2 for the recoveries.

PCB Analysis:

The MS/MSD RPD for batch 46353 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

Pesticide Analysis:

The MS/MSD RPD for batch 46380 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

Herbicide Analysis:

Data conforms to method requirements.

Metals Analysis:

The Matrix Spike and/or Matrix Spike Duplicate for batch 44371 had recoveries outside QC limits. Please refer to the applicable Form 5/7 for the recoveries.

The serial dilution for batches 44365 and 44371 is outside QC limits for one or more analytes. Please refer to the applicable Form 6/9 for the recoveries.

Wet Chemistry Analysis:

The Matrix Spike and/or Matrix Spike Duplicate for batch 549 recovered outside QC limits. Please refer to the QC section for the recoveries.

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Robin Cousineau
Quality Assurance Director

Or

Jean Revolus
Laboratory Director

9/9/15
Date

SAMPLE SUMMARY

Client: Sovereign Consulting Inc.

Job Number: 200-29290-1
Sdg Number: 200-29290

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
200-29290-1	SS-1	Air	08/11/2015 1802	08/14/2015 1000
200-29290-2	SS-2	Air	08/11/2015 1812	08/14/2015 1000
200-29290-3	SS-3	Air	08/11/2015 1810	08/14/2015 1000
200-29290-4	SS-5	Air	08/11/2015 1808	08/14/2015 1000
200-29290-5	SS-6	Air	08/11/2015 1800	08/14/2015 1000
200-29290-6	SS-7	Air	08/11/2015 1805	08/14/2015 1000
200-29290-7	SS-8	Air	08/11/2015 1803	08/14/2015 1000
200-29290-8	IA-1	Air	08/11/2015 1802	08/14/2015 1000
200-29290-9	IA-2	Air	08/11/2015 1812	08/14/2015 1000
200-29290-10	IA-3	Air	08/11/2015 1811	08/14/2015 1000
200-29290-11	IA-4	Air	08/11/2015 1806	08/14/2015 1000
200-29290-12	SS-4	Air	08/11/2015 1818	08/14/2015 1000
200-29290-13	SV-1	Air	08/12/2015 1722	08/14/2015 1000
200-29290-14	SV-2	Air	08/12/2015 1736	08/14/2015 1000
200-29290-15	SV-3	Air	08/12/2015 1745	08/14/2015 1000
200-29290-16	SV-4	Air	08/12/2015 1754	08/14/2015 1000
200-29290-17	SV-5	Air	08/12/2015 1730	08/14/2015 1000
200-29290-18	SV-6	Air	08/12/2015 1748	08/14/2015 1000
200-29290-19	SV-7	Air	08/12/2015 1717	08/14/2015 1000
200-29290-20	AMB-1	Air	08/12/2015 1718	08/14/2015 1000