REMEDIAL INVESTIGATION REPORT

4566 BROADWAY AVENUE (NAGLE)
4566 BROADWAY
NEW YORK, NEW YORK 10040
BCP ID NO.: C231054

PREPARED FOR:
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JCB PROJECT #: 11-21522
MARCH 2012

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Table of Contents

Section No. 1.0: Introduction 1

Section No. 2.0: Summary of the Remedial Investigation Work Plan 2

Section No. 3.0: Redevelopment Plan 3

Section No. 4.0: Description of Surrounding Property 3

Section No. 5.0: Regional Geology 4

Section No. 6.0: Previous Site Investigations 4

Section No. 7.0: On and Off Site Field Activities 4
Section No. 7.1: Soil Sampling 5
Section No. 7.1.1: RIWP Completed August 2008 5
Section No. 7.1.2: SRIWP Completed March 2010 6
Section No. 7.1.3: SRIWP Completed June 2011 6
Section No. 7.2 Groundwater Monitoring Well Installation 7
Section No. 7.2.1: RIWP Completed August 2008 7
Section No. 7.2.2 SRIWP Completed March 2010 8
Section No. 7.2.3 SRIWP Completed June 2011 8
Section No. 7.3: Groundwater Sampling 9
Section No. 7.3.1: RIWP Completed August 2008 9
Section No. 7.3.2: SRIWP Completed March 2010 9
Section No. 7.3.3: SRIWP Completed June 2011 10
Section No. 7.4: Soil Vapor Collection Point Construction and Sampling 10
Section No. 7.4.1: RIWP Completed August 2008 11
Section No. 7.4.2: SRIWP Completed March 2010 12
Section No. 7.4.3: SRIWP Completed June 2011 12
Section No. 7.5: Soil Vapor Intrusion (SVI) Evaluation 13
Section No. 7.5.1: Pre-Work Field Preparations 13
Section No. 7.5.2: Sub-Slab Vapor Sample Collection 13
Section No. 7.5.3: Indoor Vapor Sample Collection 14
Section No. 7.5.3.1: Basement Vapor Sample Collection 15
Section No. 7.5.3.2: 1st Floor Vapor Sample Collection 15
Section No. 7.5.4: Outdoor (Ambient) Vapor Sample Collection 16

Section No. 8.0: Sampling Protocols 17

Section No. 9.0: Deviations from the RIWP 19
Section No. 9.1: RIWP Completed August 2008 19
Section No. 9.2: SRIWP Completed March 2010 20
Section No. 9.3: Vapor Intrusion (SVI) Evaluation Completed March 2011 20

Section No. 10.0: Nature of the Soil Contamination 20

Section No. 11.0: Nature of the Groundwater Contamination 22

Section No. 12.0: Nature of Soil Vapor Contamination 22

Section No. 13.0: Soil Vapor Intrusion Evaluation 23

Section 14.0: Qualitative Exposure Assessment 24
Section 14.1: Introduction 24
Section 14.2: Sensitive Receptor Survey 24
Section 14.3: Exposure Assessment 25
Section 14.3.1: Chemicals of Concern 25
Section 14.3.2: Exposure Pathways 25
Section 14.4: Qualitative Exposure Assessment Conclusions 27

Section No. 15.0: Conclusions 27

Section No. 16.0: Recommendations 30

Section No. 17.0: Standards, Criteria and Guidance (SCG) 30

Section No. 18.0: Certifications 31

Table of Contents (Continued)

List of Tables

Table 1 - Well Installation and Soil Boring Summary
Table 2 - Soil Analytical Results for VOCs via EPA Method 8260 Exceeding Guidance Values in ppb, 12/2007 and 1/2008
Table 3 - Soil Analytical Results for VOCs via EPA Method 8260 Exceeding Guidance Values in ppb, 10/2009 and 11/2009
Table 4 - Soil Analytical Results for VOCs via EPA Method 8260 Exceeding Guidance Values in ppb, 3/2011
Table 5 - Soil Analytical Results for SVOCs via EPA Method 8270 Exceeding Guidance Values in ppb, 12/2007 and 1/2008
Table 6 - Soil Analytical Results for SVOCs via EPA Method 8270 Exceeding Guidance Values in ppb, 10/2009 and 11/2009
Table 7 - Soil Analytical Results for SVOCs via EPA Method 8270 Exceeding Guidance Values in ppb, 3/2011
Table 8 - Soil Analytical Results for TAL Metals via EPA Method 6010B Exceeding Guidance Values in ppm, 12/07 and 1/08
Table 9 - Soil Analytical Results for TAL Metals via EPA Method 6010B Exceeding Guidance Values in ppm, 10/09 and 11/09
Table 10 - Soil Analytical Results for TAL Metals via EPA Method 6010B Exceeding Guidance Values in ppm, 3/2011
Table 11 - Soil Analytical Results for Pesticides, Herbicides and PCBs Exceeding Guidance Values in ppb, 12/2007 and 1/2008
Table 12 - Soil Analytical Results for Pesticides, Herbicides and PCBs Exceeding Guidance Values in ppb, 10/2009 and 11/2009
Table 13 - Well Development Log
Table 14 - Groundwater Analytical Results for VOCs via EPA Method 8260 Exceeding Guidance Values in ppb, 2/2008
Table 15 - Groundwater Analytical Results for VOCs via EPA Method 8260 Exceeding Guidance Values in ppb, 11/09 and 12/09
Table 16 - Groundwater Analytical Results for VOCs via EPA Method 8260 Exceeding Guidance Values in ppb, 3/11 and 4/11
Table 17 - Groundwater Analytical Results for SVOCs via EPA Method 8270 Exceeding Guidance Values in ppb, 2/2008
Table 18 - Groundwater Analytical Results for SVOCs via EPA Method 8270 Exceeding Guidance Values in ppb, 11/09 & 12/09
Table 19 - Groundwater Analytical Results for SVOCs via EPA Method 8270 Exceeding Guidance Values in ppb, 3/11 and 4/11
Table 20 - Groundwater Analytical Results for TAL Metals via EPA Method 6010B Exceeding Guidance Values in ppm, 2/2008
Table 21 - Groundwater Analytical Results for TAL Metals via EPA 6010B Exceeding Guidance Values in ppm, 11/09 & 12/09
Table 22 - Groundwater Analytical Results for TAL Metals via EPA 6010B Exceeding Guidance Values in ppm, 3/11 & 4/11
Table 23 - Groundwater Analytical Results for Pesticides, Herbicides & PCBs Exceeding Guidance Values in ppb, 12/07 & 1/08
Table 24 - Soil Vapor Point Sampling Log
Table 25 - Soil Vapor Point Analytical Results for VOCs via EPA Method TO-15 in µg/m³, 1/2008
Table 26 - Soil Vapor Point Analytical Results for VOCs via EPA Method TO-15 in µg/m³, 11/2009 and 12/2009
Table 27 - Soil Vapor Point Analytical Results for VOCs via EPA Method TO-15 in µg/m³, 3/2011
Table 28 - Soil Vapor Intrusion Sample Collection Data - Structure No. 1
Table 29 - Soil Vapor Intrusion Sample Collection Data - Structure No. 2
Table 30 - Soil Vapor Intrusion Sample Collection Data - Structure No. 3
Table 31 - Soil Vapor Intrusion Sample Collection Data - Structure No. 4
Table 32 - Soil Vapor Intrusion Analytical Results for VOCs via EPA Method TO-15 in µg/m^3, Structure No. 1, 3/2011
Table 33 - Soil Vapor Intrusion Analytical Results for VOCs via EPA Method TO-15 in µg/m^3, Structure No. 2, 3/2011
Table 34 - Soil Vapor Intrusion Analytical Results for VOCs via EPA Method TO-15 in µg/m^3, Structure No. 3, 3/2011
Table 35 - Soil Vapor Intrusion Analytical Results for VOCs via EPA Method TO-15 in µg/m^3, Structure No. 4, 3/2011
Table 36 - Potential Exposure Pathways

List of Figures

Figure 1 - USGS Site Location Map
Figure 2 - Surrounding Area Use Map
Figure 3 - Soil Boring, Vapor Point and Groundwater Monitoring Well Locations Map
Figure 4 - Groundwater Gradient Map
Figure 5 - Soil Analytical Results Map in µg/kg - BTEX and MtBE, 12/2007, 1/2008, 10/2009, 11/2009 and 3/2011
Figure 6 - Groundwater Analytical Results Map in µg/L - BTEX and MtBE, 3/2011 and 4/2011
Figure 7 - Soil Vapor Point Analytical Results Map in µg/m^3 - BTEX and MtBE 1/2008, 11/2009, 12/2009 and 3/2011
Figure 8 - Soil Analytical Results Map in mg/kg - Target Chlorinated Solvents, 12/2007, 1/2008, 10/2009, 11/2009 and 3/2011
Figure 9 - Groundwater Analytical Results Map in µg/L - Target Chlorinated Solvents, 3/2011 and 4/2011
Figure 10 - Soil Vapor Point Analytical Results Map in µg/m^3 - Target Chlorinated Solvents 1/08, 11/09, 12/09 and 3/11
Figure 11 - Soil Analytical Results Map in mg/kg - TAL Metals, 12/2007, 1/2008, 10/2009, 11/2009 and 3/2011
Figure 12 - Sub-Slab Vapor Sampling Locations Map
Figure 13 - Basement Vapor Sampling Locations Map
Figure 14 - 1st Floor and Ambient Vapor Sampling Locations Map
Figure 15 - Sub-Slab Soil Vapor Analytical Results Map in µg/m^3 - BTEX and MtBE, 3/2011
Figure 16 - Basement Vapor Analytical Results Map in µg/m^3 - BTEX and MtBE, 3/2011
Figure 17 - 1st Floor and Ambient Vapor Analytical Results Map in µg/m^3 - BTEX and MtBE 3/2011
Figure 18 - Sub-Slab Soil Vapor Analytical Results Map in µg/m^3 - Target Chlorinated Solvents, 3/2011
Figure 19 - Basement Vapor Analytical Results Map in µg/m^3 - Target Chlorinated Solvents, 3/2011
Figure 20 - 1st Floor and Ambient Vapor Analytical Results Map in µg/m^3 - Target Chlorinated Solvents 3/2011
Figure 21 - Stratigraphic Cross Section Index Map
Figure 22 - Stratigraphic Cross Sections

Appendices

Appendix A - Figures
Appendix B - Stratigraphic Cross Sections
Appendix C - Boring Logs
Appendix D - Field Photograph Logs
Appendix E - Building Design Plan
Appendix F - Disposal Records
Appendix G - Data User Summary Reports (DUSRs)
Appendix H - Analytical Data CD

List of Acronyms

AOC	Area of Concern
ASP	Analytical Services Protocol
ASR	Advanced Site Restoration, Inc.
AST	Aboveground Storage Tank
BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
bsg	Below Surface Grade
BTEX	Benzene, Toluene, Ethylbenzene, Xylenes
CAMP	Community Air Monitoring Plan
CHASP	Construction Health and Safety Plan
CLP	Contract Laboratory Procedure
COC	Chain of Custody
COPCs	Chemicals of Potential
DER	Division of Environmental Remediation
DER-10	NYSDEC Technical Guidance for Site Investigation & Remediation
DUSR	Data Usability Summary Report
ECL	Environmental Conservation Law
ELAP	Environmental Laboratory Approval Program
EPA	Environmental Protection Agency
FRP	Fiberglass Reinforced Plastic
GOC	Gaseteria Oil Corp.
H&A	Haley and Aldrich
HASP	Health and Safety Plan
HFM	Historic Fill Material
JCB	J. C. Broderick and Associates, Inc.
LNAPL	Light Non Aqueous Phase Liquid
LQG	Large Quantity Generator
MtBE	Methyl tertiary-Butyl Ether
MS/MSD	Matrix Spike/Matrix Spike Duplicate
NEA	Northeast Analytical, Inc.
NYCDOB	New York City Department of Buildings
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PBS	Petroleum Bulk Storage
PCBs	Polychlorinated Biphenyls
PID	Photo-Ionization Detector
ppm	Parts Per Million
ppb	Parts per Billion
PVC	Poly Vinyl Chloride
QA/QC	Quality Assurance/Quality Control
QEA	Qualitative Exposure Assessment
RA	Remedial Action
RAWP	Remedial Action Work Plan

List of Acronyms (Continued)

RCRA	Resource Conservation and Recovery Act
RI	Remedial Investigation
RIR	Remedial Investigation Report
RIWP	Remedial Investigation Work Plan
SB	Soil Boring
SCG	Standards, Criteria, and Guidance
SRIWP	Supplemental Remedial Investigation Work Plan
SRI	Supplemental Remedial Investigation
SVE	Soil Vapor Extraction
SVI	Soil Vapor Intrusion
SVOCs	Semi-Volatile Organic Compounds
TAGM	Technical and Administrative Guidance Memorandum
TAL	Target Analyte List
TOGS	Technical and Operations Guidance Series
TVOCs	Total Volatile Organic Compounds
USGS	United States Geologic Survey
UST	Underground Storage Tank
UUSCO	Unrestricted Use Soil Cleanup Objectives
VOCs	Volatile Organic Compounds

Section No. 1.0: Introduction

This Remedial Investigation Report (RIR) has been prepared by J.C. Broderick & Associates, Inc. (JCB), in consultation with the Project Engineer, John A. Rhodes, P.E., of CEUS Engineering, P.C. on behalf of 4566 Broadway, LLC, of Brooklyn, New York, for the commercial property located at 4566 Broadway, New York, New York 10040 (Figure 1, Appendix A, the "Site"), subsequently named "4566 Broadway Avenue". The Site was accepted into the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) through a Brownfield Cleanup Agreement (BCA) executed on September 8, 2006 (NYSDEC BCP Number: C231054). The applicant was accepted into this program as a Participant. This report summarizes our review and analysis of the investigation work performed under the Brownfield Cleanup Program to date.

The Site property address is 4566 Broadway, New York, New York 10040. The Site is situated on the northeast corner of Broadway and Nagle Avenue in what is referred to as the "Inwood" section of upper Manhattan and in the district governed by Community Board 12. The Site is designated as Block 2172, Lot 1 on the Tax Map of the City of New York.

The Site consists of a 0.36-acre triangular parcel, which operated as a gasoline service station and an automotive repair shop for several decades and is currently used a parking lot, containing a one-story brick building used for storage and small parking attendant's office (Figure 2, Appendix A). The surrounding area is characterized by a mix of commercial businesses (mostly retail), as well as residential properties. Available New York City records concerning the Site's early use indicate that the Site was initially developed and operated from the 1920's into the 1950's as a Socony-Vaccuum (Mobil) gasoline service station and auto repair facility. The facility was owned and operated by Louis Calderone and his company, Kesbec Oil, the largest gasoline distributor and operator of retail gasoline stations in Manhattan at the time. Since the 1950's, Kesbec Oil (a company, then co-owned by Louis Calderone and Humble Oil and Refining Company) operated the Site as an "Esso" branded service station until 1966. At that time, the Site was sold to Humble Oil and Refining Company who operated the Site as an "Esso" station, and was subsequently rebranded as an "Exxon" station after Humble Oil changed its name to Exxon Corporation (Exxon). Both Kesbec Oil and the Exxon (now known as ExxonMobil Corporation) entities operated automobile repair facilities as well as gasoline retail sales. In 1976, Fabrizio Realty Corp., a subsidiary of Gaseteria Oil Corp. (GOC) acquired the Site, which was operated as a gasoline only station until 2002, when it was leased to BP Products North America, Inc. (BP). BP then operated the Site as a gasoline only service station under a lease agreement until 2005, at which time the Site was converted to a 24-hour public parking lot. Please reference "Records Search Report", dated January 2012, for additional details.

The Site was assigned NYSDEC Spill No. 02-30040 due to Volatile Organic Compounds (VOCs) which were present in the soil above the NYSDEC Technical and Administrative Guidance Memorandum (TAGM) 4046 dated January 24, 1994. In addition, VOCs including Methyl tert-Butyl Ether (MtBE), Semi-Volatile Organic Compounds (SVOCs) and minor amounts of metals were detected in the groundwater in excess of the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 dated October 22, 1993, reissued June 1998. On November 10, 2006 a Geotechnical Engineering Report (Geotechnical Report) was issued by Haley & Aldrich (H&A) based upon a geotechnical investigation conducted by engineers of the Site. This Geotechnical Report noted that petroleum and/or organic odors were encountered in six (6) out of nine (9) soil borings that were advanced by H&A. These odors were found at depths ranging from five (5) to twenty (20) feet below surface grade (bsg), with free product observed in boring HA-8 at a depth of eight (8) feet bsg. During the geotechnical field activities by H&A, Advanced Site Restoration, Inc. (ASR) converted three (3) of the H&A borings into groundwater monitoring wells. Specifically, HA-1 became ASR-3, HA-2 became ASR-2, and HA-6 became ASR-1 (Figure – 3). ASR collected groundwater samples from ASR-1, ASR-2 and ASR-3 in October 2006 and January 2007. Analytical results confirmed VOC contamination, including MtBE, in

the groundwater. In addition, NYSDEC Spill No. 09-10491 was assigned on December 24, 2009, therefore on October 24, 2010 the original spill number was closed due to consolidation of spill numbers.

It is the plan of the participant to achieve a Track 1 cleanup. Due to the economic downturn, 4566 has not finalized plans for development and construction on the Site due to the lack of a commitment from an anchor tenant for the development. As a result, the applicant has recently communicated with NYSDEC counsel to explore the possibility of further deferring Site development and modifying the BCP agreement to convert the BCP tax benefits covering environmental remediation from pre-June 23, 2008 program to the current (post June 23, 2008) BCP program tax benefits governing the financial treatment of remediation costs and expenses, in the event development does not take place in the near term. This would facilitate and likely expedite the remediation process.

Section No. 2.0: Summary of the Remedial Investigation Work Plan

A Remedial Investigation Work Plan (RIWP) was prepared for the Site by ASR dated August 15, 2007 and approved with modifications for implementation by the NYSDEC on October 10, 2007, following a 30-day public review period from August 28, 2007 to September 28, 2007.

The data collected during this investigation was used to assist in defining the nature and extent of contamination in all media (soil, groundwater and soil vapor), evaluate potential contaminant migration and quantify potential exposure to the environment and human health. The results were reported in a Draft Remedial Investigation Report (RIR) prepared by ASR in August 2008. The NYSDEC reviewed the Draft RIR and recommended the preparation of a Supplemental Remedial Investigation Work Plan (SRIWP). ASR prepared an SRIWP on April 14, 2009, which was revised and resubmitted on July 22, 2009 and was approved with modifications by the NYSDEC on August 19, 2009. The results of the investigation were reported in a subsequent Draft RIR prepared by JCB in March 2010. The NYSDEC reviewed the Draft RIR and prepared a comment letter on July 14, 2010, which included a request for an additional expanded SRIWP and a Soil Vapor Intrusion (SVI) Evaluation Work Plan.

In November and December 2010, JCB submitted the requested work plans respectively for review and comment. The NYSDEC approved the SRIWP on November 24, 2010 and the SVI Evaluation Work Plan on February 1, 2011 with a modification to include sampling at one (1) additional structure.

The goals of the Supplemental Remedial Investigation (SRI) under the SRIWP and SVI Evaluation were to continue to collect data of sufficient quality and quantity to supplement the previous investigations conducted at the Site. In addition, it was deemed necessary to close gaps in the data to adequately define the nature and extent of contamination in all media (soil, groundwater and soil vapor), evaluate possible contaminant migration and quantify the potential exposure to the environment and human health.

Activities performed under the SRIWP, included:

- Perform an underground utility mark out utilizing a third party service.
- The installation of three (3) additional off-site groundwater monitoring wells along the north and south sides of Nagle Avenue.
- The installation of four (4) additional soil vapor points along the north and south sides of Nagle Avenue and west side of Hillside Avenue to evaluate the potential for fugitive vapor intrusion into adjacent structures. Four (4) samples were collected during the SRI bringing the total to seventeen (17).

- Approximately one (1) week after the installation, the three (3) new groundwater monitoring wells and seventeen (17) existing groundwater monitoring wells were sampled. Samples were submitted to Northeast Analytical Laboratories, Inc. (NEA) of Schenectady, New York for analysis of VOCs by EPA Method 8260, SVOCs by EPA Method 8270 and Target Analyte List (TAL) Metals by EPA Method 6010B. All samples were accompanied by a schedule B deliverable QA/QC package including field and trip blanks.

- Collection of five (5) sub-slab, nine (9) indoor and five (5) ambient vapor samples from various buildings and properties in close proximity to the Site, in accordance with the New York State Department of Health (NYSDOH) "Guidance for Evaluating Soil Vapor Intrusion in the State of New York" final version, October 2006.

Section No. 3.0: Redevelopment Plan

The proposed re-development plan last revised in 2009 consisted of a two (2) story commercial building with underground parking, however, because of the economic downturn and changes in market conditions the re-development plans are subject to further revision, as currently there is no committed anchor tenant and therefore no finalized development plan. The final development plan would conform to the needs and requirements of the anchor tenant. The first floor of the building would contain approximately 11,000 square feet of retail commercial space. The second floor of the building is proposed to have a fitness club, or other retail facility. The building is contemplated to include an underground parking garage, which will extend through the entire footprint of the property. This underground parking garage would encompass the areas formerly occupied by the Underground Storage Tanks (USTs), dispensers and service station building. The underground parking garage would also include a basement area (utility, meter and equipment rooms). This underground parking garage area would be excavated to the shallow bedrock surface to a minimum final depth of thirteen (13) feet bsg. However, all overburden soils that do not meet Unrestricted Use Soil Cleanup Objectives (UUSCO), will be excavated from the Site until clean soil or bedrock is encountered. This may require the importation of fill material (sand and gravel) to restore the surface to the final basement grade. The latest version of the proposed site development plan can be referenced in Appendix E

Section No. 4.0: Description of Surrounding Property

The Site is located on the northeast corner of Broadway and Nagle Avenue. To the north of the Site is a residential building, with a retail hardware store on the first floor. To the east of the Site is an open space and outdoor recreation area for IS 218. Across Nagle Avenue, to the southeast of the Site are multi-story residential buildings, which contain retail businesses at street level. Based upon background research, 17 Nagle Avenue (17 Nagle), located south-southeast of the Site and across Nagle Avenue, was formerly identified as Johnnies Cleaners, a dry cleaning facility. According to the EPA, 17 Nagle Avenue was listed on the Resource Conservation and Recovery Act (RCRA) Large Quantity Generator (LQG) database with EPA ID number NYD982793127 in 1989. The classification was then changed to a RCRA-NonGen facility in 1999 and was listed as such until 2007. In addition, a New York City Department of Buildings (NYCDOB) approved plan dated February 1987 identified 17 Nagle as an existing dry cleaning store utilizing dry cleaning equipment and solvents on-site. Please refer to the Records Search Report, 4566 Broadway Avenue (Nagle), dated January 2012 for more details. To the south of the Site, on the corner of Broadway and Hillside Avenues is a United States Post Office. According to available Sanborn Maps, 4558 Broadway, located south of the Site, was formerly identified as a gasoline service station containing a greasing shed and brake service operations. Prior to its conversion to a Post Office in or around 1954. Tetrachloroethene is a degreaser and is commonly used in connection with brake repairs and cleaning metal automobile parts. To the southwest of the Site is an

automobile repair facility, beyond which is a multi-story residential building. To the west of the Site, across Broadway, is Fort Tryon Park.

The property is zoned residential R-7 with a C-1 commercial overlay. R7 districts are typically medium density residential districts that are generally characterized by 14-story buildings with low lot coverage that are set back from the street. C-1 districts are generally located in proximity to residential neighborhoods and typically contain uses such as grocery stores, small dry cleaners and restaurants. Commercial use is limited to one (1) or two (2) floors therefore; the proposed project is compatible with the surrounding land use and will comply with the current zoning.

There are three (3) schools within a one-half mile radius of the Site: IS 218, MS 322, and PS 152. The schools are located to the north and east of the Site. No potable wells or surface water bodies were identified on or in the immediate vicinity of the Site. Available reports indicate that there is no federal or state public water supply wells located within a 1-mile radius of the Site.

Section No. 5.0: Regional Geology

As outlined in the SRIWP, the Site is located in northeast part of Manhattan, New York. The elevation of the Site, as presented on the United States Geologic Survey (USGS), Manhattan Quadrangle Map (1995), is approximately 30 feet above mean sea level (Figure 1, Appendix A). The Site lies within an area classified as *Urban Land*. This soil type consists of urbanized areas where the majority of surface is covered with buildings, roads, driveways, parking lots, and other manmade structures.

The water quality of the upper glacial aquifer is impaired in areas due to heavy industrial and commercial development in the urban areas. Local groundwater flow was calculated from a site survey and groundwater gauging to be towards the east, southeast. Depth to groundwater ranges from 7’ to 12’ bsg due to elevation changes on-site and off-site.

Section No. 6.0: Previous Site Investigations

In 2006, a Geotechnical Investigation was performed by H&A, to obtain geotechnical information as a basis for development planning for the property, culminating in the Geotechnical Report dated November 10, 2006. A copy of the Geotechnical Report was included in the RIWP dated August 15, 2007. ASR assisted in the installation and sampling of three (3) environmental groundwater monitoring wells installed adjacent to geotechnical boring locations HA-1, HA-2, and HA-6. Subsequent groundwater samples were collected from these newly installed monitoring wells, renamed ASR-1 (HA-6), ASR-2 (HA-2) and ASR-3 (HA-1). The analytical results confirmed VOC contamination including MtBE in the groundwater, which was reported in the August 2007 RIWP.

Section No. 7.0: On and Off Site Field Activities

All work at the Site was performed in compliance with the Site Specific Health and Safety Plan (HASP) included in the RIWP. Every effort was made to protect worker safety and the safety of the community. Ambient air was monitored, as outlined in the Community Air Monitoring Program (CAMP) included in the RIWP. Ambient air was monitored at the downwind perimeter of the immediate work area on a continuous basis. Upwind concentrations were also measured at the start of each workday and periodically thereafter to establish background conditions. The monitoring was conducted using a Photo-Ionization Detector (PID) and a MIE DR 4000 particulate monitor on a tripod with high-level alarm

strobe light attachments. All equipment was calibrated daily. The equipment was set with the alarm levels specified in the RIWP ambient air-monitoring program. The particulate monitoring equipment is capable of detecting particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment was fitted with audible alarm to indicate concentrations that exceed the action levels required. A log of the air monitoring data during the project can be referenced in Appendix H.

Section No. 7.1: Soil Sampling

The design scope outlined in the RIWP was followed during borehole advancement, soil sample collection and soil vapor point and monitoring well installations.

Each soil boring was hand cleared to approximately three to five (3-5) feet bsg. Continuous soil samples were collected in five (5) foot intervals at each borehole to approximately twenty (20) feet bsg. Soil samples were classified, logged and field screened for the presence of Total Volatile Organic Compounds (TVOCs) using an RAE Systems, Inc. MiniRAE 2000 Photo-Ionization Detector (PID) or similar equipment. Soil boring logs are attached in Appendix C. Soil boring and monitoring well locations are indicated on the Soil Boring, Vapor Point and Groundwater Monitoring Well Locations Map (Figure 3, Appendix A). During borehole advancement and monitoring well installation, drill cuttings generated were stored in 55-gallon steel ring top drums and properly disposed of. The disposal documents are attached in Appendix F. Field personnel noted any observations of visual and olfactory signs of contamination. If no contamination was detected by the PID within the boring, one (1) soil sample was collected at the groundwater interface. If contaminated soils were encountered and elevated PID readings documented, additional soil samples were taken to profile the contamination vertically. The collection of soil samples were performed in accordance with the Sampling Protocols identified in Section 8.0 of this document.

Section No. 7.1.1: RIWP Completed August 2008

ASR contracted with Longshore Environmental, Inc. (Longshore) of Holbrook, New York to provide various drilling services. Longshore utilized a Geoprobe® Model 6600 track-mounted direct push soil boring rig to obtain Macro-Core® soil samples at each of the boring locations. Between December 10, 2007 and December 18, 2007, ASR advanced ten (10) boreholes and maintained twenty-five (25) soil samples for laboratory analysis. Eight (8) of the borehole locations were completed with groundwater monitoring wells. Any deviations from the IWP are documented in Section 9.0.

Laboratory analytical results from the samples collected during the August 2007 RIWP field activities can be reviewed in:

- Table-2 Soil Analytical Results for VOCs via EPA Method 8260 Exceeding Guidance Values in ppb, 12/2007 and 1/2008
- Table-5 Soil Analytical Results for SVOCs via EPA Method 8270 Exceeding Guidance Values in ppb, 12/2007 and 1/2008
- Table-8 Soil Analytical Results for TAL Metals via EPA Method 8010B Exceeding Guidance Values in ppm, 12/2007 and 1/2008
- Table-11 Soil Analytical Results for Pesticides via EPA Method 8081, Herbicides via EPA Method 8151 and PCBs via EPA Method 8082 Exceeding Guidance Values in ppb, 12/2007 and 1/2008

Contamination levels can also be found on:

- Figure-5 Soil Analytical Results Map in µg/kg - BTEX and MtBE
- Figure-8 Soil Analytical Results Map in µg/kg - Target Chlorinated Solvents

Section No. 7.1.2: SRIWP Completed March 2010

The SRIWP maintained the same procedures followed during the initial remedial investigation.

JCB utilized a Geoprobe® Model 7720DT track-mounted direct push boring rig to obtain Macro-Core® soil samples at each of the boring locations. Between October 26, 2009 and November 5, 2009, JCB advanced fifteen (15) boreholes and maintained fifty (50) soil samples for laboratory analysis. Six (6) of the borehole locations were completed with a groundwater monitoring well. Any deviations from the RIWP are documented in Section 9.0.

Laboratory analytical results from the samples collected during the July 2009 SRIWP field activities can be reviewed in:

- Table-3 Soil Analytical Results for VOCs via EPA Method 8260 Exceeding Guidance Values in ppb, 10/2009 and 11/2009
- Table-6 Soil Analytical Results for SVOCs via EPA Method 8270 Exceeding Guidance Values in ppb, 10/2009 and 11/2009
- Table-9 Soil Analytical Results for TAL Metals via EPA Method 8010B Exceeding Guidance Values in ppm, 10/2009 and 11/2009
- Table-12 Soil Analytical Results for Pesticides via EPA Method 8081, Herbicides via EPA Method 8151 and PCBs via EPA Method 8082 Exceeding Guidance Values in ppb, 10/2009 and 11/2009

Contamination levels can also be found on:

- Figure-5 Soil Analytical Results Map in µg/kg - BTEX and MtBE
- Figure-8 Soil Analytical Results Map in µg/kg - Target Chlorinated Solvents

Section No. 7.1.3: SRIWP Completed June 2011

The SRIWP maintained the same procedures followed during the initial remedial investigation.

JCB utilized a Geoprobe® Model 7720DT track-mounted direct push boring rig to obtain Macro-Core® soil samples at each of the boring locations. On March 22, 2011 and March 23, 2011, JCB advanced three (3) boreholes and maintained nine (9) soil samples for laboratory analysis. All three (3) of the borehole locations were completed with a groundwater monitoring well. Any deviations from the RIWP are documented in Section 9.0.

Laboratory analytical results from the samples collected during the November 2010 SRIWP field activities can be reviewed in:

- Table-4 Soil Analytical Results for VOCs via EPA Method 8260 Exceeding Guidance Values in ppb, 3/2011

- Table-7 Soil Analytical Results for SVOCs via EPA Method 8270 Exceeding Guidance Values in ppb, 3/2011

- Table-10 Soil Analytical Results for TAL Metals via EPA Method 8010B Exceeding Guidance Values in ppm, 3/2011

Contamination levels can also be found on:

- Figure-5 Soil Analytical Results Map in µg/kg - BTEX and MtBE

- Figure-8 Soil Analytical Results Map in µg/kg - Target Chlorinated Solvents

Section No. 7.2 Groundwater Monitoring Well Installation

The design scope outlined in the RIWP was followed during monitoring well installations. Any deviations from the RIWP are documented in Section 9.0 of this document.

Section No. 7.2.1: RIWP Completed August 2008

Subsequent to borehole completion and soil sampling, Longshore utilized a truck-mounted Mobile B61 drill rig to advance hollow stem augers and construct the groundwater monitoring wells. The installation of eight (8) groundwater monitoring wells (ASR-4 to ASR-11) were completed between December 11, 2007 and January 15, 2008.

The wells were constructed of thirteen (13) feet of two (2) inch diameter 0.020 inch slotted schedule 40 PVC screen with a two (2) foot solid sediment trap. A five (5) foot solid schedule 40 PVC riser pipe to grade completed the wells to an optimal terminal depth of twenty (20) feet bsg. All joints were flush joint threaded, and no glue was used.

A sand pack consisting of #1 Morie Grit was installed to a depth equal to one (1) foot above the top of the PVC screen. A one (1) foot thick hydrated bentonite seal was installed above the sand pack followed by backfilling with sand to approximately six (6) inches bsg. Well construction was completed with a locking compression J-plug and a flush mount road box concreted at grade. A monitoring well construction report is included in the boring logs. A summary of the monitoring well installations is provided in Table-1.

Monitoring wells ASR-1 through ASR-11 were developed on January 17, 2008 by ASR and Longshore. Development continued until they yielded clear, sediment free water. The total amount of water removed from each monitoring well can be reviewed in Table-13. The development water was containerized in 55-gallon steel drums. After the development of these wells and at the request of the NYSDEC project manager, ASR hired Rapid Disposal, Inc., of Jericho, NY to pump sediment out of wells ASR-8 and ASR-11. Disposal tickets for development water are attached in Appendix F.

Section No. 7.2.2 SRIWP Completed March 2010

Subsequent to borehole completion and soil sampling, JCB utilized a Geoprobe® Model 7720DT track-mounted direct push boring rig retrofitted with hollow stem augers, to advance and construct the groundwater monitoring wells. The installation of six (6) groundwater monitoring wells (ASR-14 to ASR-19) was completed between October 29, 2009 and November 5, 2009.

The wells were constructed of ten (10) feet of two (2) inch diameter 0.020 inch slotted schedule 40 PVC screen with a two (2) foot solid sediment trap. An eight (8) foot solid schedule 40 PVC riser pipe to grade completed the wells to an optimal terminal depth of twenty (20) feet bsg. All joints were flush joint threaded, and no glue was used. Monitoring wells ASR-14 and ASR-16 were extended to a terminal depth of thirty (30) feet bsg and as detailed in the SRIWP.

A sand pack consisting of #1 Morie Grit was installed to a depth equal to one (1) foot above the top of the PVC screen. A one (1) foot thick hydrated bentonite seal was installed above the sand pack followed by backfilling with sand to approximately six (6) inches bsg. Well construction was completed with a locking compression J-plug and a flush mount road box concreted at grade. A monitoring well construction report is included in the boring logs. A summary of the monitoring well installation is provided in Table-1.

Monitoring wells ASR-14 through ASR-19 were developed by JCB on November 13, 2009. Development continued until they yielded clear, sediment free water. The total amount of water removed from each monitoring well can be reviewed in Table-13. The development water was containerized in 55-gallon steel drums. Disposal tickets for development water are attached in Appendix F.

Section No. 7.2.3 SRIWP Completed June 2011

Subsequent to borehole completion and soil sampling, JCB utilized a Geoprobe® Model 7720DT track-mounted direct push boring rig retrofitted with hollow stem augers, to advance and construct the groundwater monitoring wells. The installation of three (3) groundwater monitoring wells (ASR-20 to ASR-22) was completed between March 22, 2011 and March 23, 2011.

The wells were constructed of ten (10) feet of two (2) inch diameter 0.020 inch slotted schedule 40 PVC screen and a three (3) foot solid schedule 40 PVC riser pipe to grade. The wells were completed to an optimal terminal depth of thirteen (13) feet bsg. All joints were flush joint threaded, and no glue was used.

A sand pack consisting of #1 Morie Grit was installed to a depth equal to one (1) foot above the top of the PVC screen. A one (1) foot thick hydrated bentonite seal was installed above the sand pack followed by backfilling with sand to approximately six (6) inches bsg. Well construction was completed with a locking compression J-plug and a flush mount road box concreted at grade. A monitoring well construction report is included in the boring logs. A summary of the monitoring well installation is provided in Table-1.

Monitoring wells ASR-20 through ASR-22 were developed by JCB on March 24, 2011. Development continued until they yielded clear, sediment free water. The total amount of water removed from each monitoring well can be reviewed in Table-13. The development water was containerized in 55-gallon steel drums. Disposal tickets for development water are attached in Appendix F.

Section No. 7.3: Groundwater Sampling

All groundwater quality sampling was performed in accordance with the Environmental Protection Agency's (EPA's) Low-flow (minimal draw down) procedures. In accordance with this procedure, wells were purged utilizing a Masterflex E/S Portable Peristaltic Sampler to transfer water up the well and through the flow through chamber of a YSI 556 Multi-Probe handheld groundwater chemistry meter. Groundwater chemistry was monitored and recorded every 5 minutes until the groundwater chemistry stabilized. Monitoring consisted of pH, Specific Conductivity, Redox Potential and Dissolved Oxygen. The monitoring well was considered to be stabilized and ready for sampling when the readings remained in the following ranges: ±0.1 for pH; ±3% for Specific Conductance (Conductivity); ±10 mv for Redox Potential; and ±10% for Dissolved Oxygen. YSI stabilization data for each well can be found in Appendix H. Between the sampling of each well, the tubing was discarded and new tubing attached. Purge water generated during sample collection was containerized in 55-gallon steel drums. Disposal manifests for these wastes can be found in Appendix F.

Section No. 7.3.1: RIWP Completed August 2008

ASR collected a total of six (6) groundwater samples on February 8, 2008 in accordance with the Sampling Protocols identified in Section 8.0 of this document.

Laboratory analytical results from the groundwater samples collected during the February 2008 field activities can be reviewed in:

- Table-14 Groundwater Analytical Results for VOCs via EPA Method 8260 Exceeding Guidance Values in ppb, 2/2008
- Table-17 Groundwater Analytical Results for SVOCs via EPA Method 8270 Exceeding Guidance Values in ppb, 2/2008
- Table-20 Groundwater Analytical Results for TAL Metals via EPA Method 6010B Exceeding Guidance Values in ppm, 2/2008
- Table-23 Groundwater Analytical Results for Pesticides via EPA Method 8081, Herbicides via EPA Method 8151 and PCBs via EPA Method 8082 Exceeding Guidance Values in ppb, 2/2008

Contamination levels can also be found on:

- Figure-6 Groundwater Analytical Results Map in µg/L - BTEX and MtBE
- Figure-9 Groundwater Analytical Results Map in µg/L - Target Chlorinated Compounds

Section No. 7.3.2: SRIWP Completed March 2010

JCB collected seventeen (17) groundwater samples on November 30, December 1 and December 3, 2010 in accordance with the Sampling Protocols identified in Section 8.0 of this document.

Laboratory analytical results from the groundwater samples collected during the November and December 2010 field activities can be reviewed in:

- Table-15 Groundwater Analytical Results for VOCs via EPA Method 8260 Exceeding Guidance Values in ppb, 11/2009 and 12/2009

- Table-18 Groundwater Analytical Results for SVOCs via EPA Method 8270 Exceeding Guidance Values in ppb, 11/2009 and 12/2009

- Table-21 Groundwater Analytical Results for TAL Metals via EPA Method 6010B Exceeding Guidance Values in ppm, 11/2009 and 12/2009

Contamination levels can also be found on:

- Figure-6 Groundwater Analytical Results Map in µg/L - BTEX and MtBE

- Figure-9 Groundwater Analytical Results Map in µg/L - Target Chlorinated Compounds

Section No. 7.3.3: SRIWP Completed June 2011

JCB collected twenty (20) groundwater samples on March 31 and April 1, 2010 in accordance with the Sampling Protocols identified in Section 8.0 of this document.

Laboratory analytical results from the groundwater samples collected during the March and April 2011 field activities can be reviewed in:

- Table-16 Groundwater Analytical Results for VOCs via EPA Method 8260 Exceeding Guidance Values in ppb, 3/2011 and 4/2011

- Table-19 Groundwater Analytical Results for SVOCs via EPA Method 8270 Exceeding Guidance Values in ppb, 3/2011 and 4/2011

- Table-22 Groundwater Analytical Results for TAL Metals via EPA Method 6010B Exceeding Guidance Values in ppm, 3/2011 and 4/2011

Contamination levels can also be found on:

- Figure-6 Groundwater Analytical Results Map in µg/L - BTEX and MtBE

- Figure-9 Groundwater Analytical Results Map in µg/L - Target Chlorinated Compounds

Section No. 7.4: Soil Vapor Collection Point Construction and Sampling

The installation of soil vapor collection points was performed at the same time period the groundwater observation wells were installed. The Soil Boring, Vapor Point and Groundwater Monitoring Well Locations Map, Appendix A, Figure-3, depicts the locations of the seventeen (17) vapor points that were installed. The installation of the vapor points followed the construction design outlined in the RIWP. This protocol was developed to comply with the requirements of the NYSDOH "Guidance for Evaluating Soil Vapor Intrusion in the State of New York", Final Version, October 2006, Section 2.7.1.

A Geoprobe® direct push sampling rig was used to advance the borings through the concrete and asphalt into the underlying soils. Groundwater at the Site was determined to be between 7.5 and 12 feet bsg. According to the above referenced guidance document, soil vapor samples must be

collected from one (1) foot above the groundwater table. Therefore, the points were constructed of one (1) foot of one and one eighth (1-1/8) inch diameter 0.020 inch slotted schedule 40 PVC screen and solid schedule 40 PVC riser to grade, totaling between 6.5 and 11 feet bsg. At VP-13 – VP-16, a one and one-eighth (1-1/8) inch diameter 0.020 inch slotted stainless steel screen was utilized instead of the PVC screen. A sand pack of clean, inert sand was installed around the vapor point and two (2) hydrated bentonite seals were installed; a one (1) foot thick seal starting at surface grade and a three (3) foot thick seal starting four (4) feet above the screened area. Within the micro well, a one-quarter (¼) inch diameter polyethylene tube was installed and brought to the surface of the well casing and capped. Clean sand was then placed inside the casing to three (3) feet bsg. The casing was then filled with a hydrated bentonite seal to approximately six (6) inches bsg. Well construction was completed with a PVC cap and a flush mount road box concreted at grade to allow for additional sampling if required.

To sample the vapor point, a clean plastic 4-mil sheet of polyethylene was placed on the ground and secured in place with tape. A five (5) gallon plastic container was placed on top of the plastic sheet, above the vapor point to ensure ambient air was not drawn into the tube during sampling. Next, a new Teflon-lined tube was inserted through the plastic container and connected to the existing permanent vapor tubing within the vapor point. All access and egress points around the bucket were sealed with modeling clay. The end of the tubing was connected to a regulator that was calibrated to fill a 6-Liter Summa® canister in approximately two (2) hours. Prior to the collection of the sample, at least three (3) volumes of air were removed from the vapor point tubing utilizing a SKC Air Check Personal Sampler Pump, model 224-PCXRA set at a collection rate of 0.2 liters per minute. The flow rate for both purging and sampling did not exceed 0.2 liters per minute. As directed by the NYSDEC, each soil vapor sampling point was purged for five (5) minutes to guarantee that vapors representative of the sub soil conditions were being analyzed. Helium was utilized as a tracer gas and was introduced into the atmosphere under the pail to assure the viability of the vapor point seals. The tracer gas was monitored in the soil vapor air before, during and after the sampling, with a Myron Helium Detector. If the tracer gas was detected within the air stream to be analyzed, it would be assumed that the sampling point was compromised and that the air sample may have an infiltration of ambient air from the surface. Occasionally, the Helium accumulation in the bucket and around the bucket in ambient air was checked to verify the process. Ambient air helium results are due to leaking out of the bucket, which did not manifest within the subsurface samples.

Section No. 7.4.1: RIWP Completed August 2008

On January 17, 18 and 22, 2008, ASR personnel collected thirteen (13) air samples. One (1) Summa Canister was used for each sample and was analyzed utilizing EPA Method TO-15 and a Category B deliverable data package was requested. ASR submitted the samples to H2M Laboratories (H2M) in Melville, New York. H2M is both an Environmental Laboratory Approval Program (ELAP) certified laboratory and a Contract Laboratory Procedure (CLP) Laboratory capable of performing NYSDEC Analytical Services Protocol (ASP) category B deliverables analysis. All sampling canisters contained laboratory calibrated regulators set for two (2) hour metered sampling. Sampling information can be reviewed in Table-24 Soil Vapor Point Sampling Log.

ASR personnel collected eleven (11) subsurface vapor samples from inside the boundaries of the subject property, as identified in the RIWP. One (1) outdoor ambient air sample was also collected to characterize site specific background levels and one (1) duplicate sample was taken at VP-11. The vapor sampling points are indicated on Figure-3 Soil Boring, Vapor Point and Groundwater Monitoring Well Locations Map, Appendix A.

Laboratory analytical results from the vapor samples collected during the January 2008 field activities can be reviewed in:

- Table-25 Soil Vapor Point Analytical Results via EPA Method TO-15 in µg/m³, 1/2008

Contamination levels can also be found on:

- Figure-7 Soil Vapor Analytical Results Map in ug/m³ - BTEX and MtBE
- Figure-10 Soil Vapor Analytical Results Map in ug/m³ - Target Chlorinated Solvents

Section No. 7.4.2: SRIWP Completed March 2010

On November 30 and December 3, 2009, JCB personnel collected two (2) air samples. One (1) Summa Canister was used for each sample and was analyzed utilizing EPA Method TO-15 and a Category B deliverable data package was requested. JCB submitted the samples to Phoenix Laboratories an ELAP certified laboratory capable of performing NYSDEC ASP category B deliverables analysis. All sampling canisters included laboratory-calibrated regulators set for two (2) hour metered sampling. Sampling information can be reviewed in Table-24 Soil Vapor Point Sampling Log.

On November 30, 2009, a sample was collected from VP-11A after purging and in accordance with the vapor sampling protocols outlined in the SRIWP. On that date, the regulator servicing the Summa® canister for VP-12 malfunctioned; therefore, no sample was obtained from VP-12 at that time. On December 3, 2009, JCB returned to the Site with a properly functioning regulator and collected a soil vapor sample from VP-12 in accordance with the vapor sampling protocols outlined in the SRIWP. These points are indicated on Figure-3 Soil Boring, Vapor Point and Groundwater Monitoring Well Locations Map, Appendix A.

Laboratory analytical results from the vapor samples collected during the November and December 2009 field activities can be reviewed in:

- Table-26 Soil Vapor Point Analytical Results for VOCs via EPA Method TO-15 in µg/m³, 11/2009 and 12/2009

Contamination levels can also be found on:

- Figure-7 Soil Vapor Analytical Results Map in µg/m³ - BTEX and MtBE
- Figure-10 Soil Vapor Analytical Results Map in µg/m³ - Target Chlorinated Solvents

Section No. 7.4.3: SRIWP Completed June 2011

On March 28 and March 29, 2011, JCB personnel collected five (5) air samples. One (1) Summa Canister was used for each sample and was analyzed utilizing the EPA Method TO-15 and a Category B deliverable data package was requested. JCB submitted the samples to Centek Laboratories an ELAP certified laboratory capable of performing NYSDEC ASP category B deliverables analysis. All sampling canisters included laboratory-calibrated regulators set for two (2) hour metered sampling. Sampling information can be reviewed in Table-24 Soil Vapor Point Sampling Log.

JCB personnel collected four (4) subsurface vapor samples as identified in the RIWP. One (1) duplicate sample was also taken at VP-13. The vapor sampling points are indicated on Figure-3 Soil Boring, Vapor Point and Groundwater Monitoring Well Locations Map, Appendix A.

Laboratory analytical results from the vapor samples collected during the March 2011 field activities can be reviewed in:

- Table-27 Soil Vapor Point Analytical Results for VOCs via EPA Method TO-15 in µg/m³, 11/2009 and 12/2009

Contamination levels can also be found on:

- Figure-7 Soil Vapor Analytical Results Map in µg/m³ - BTEX and MtBE
- Figure-10 Soil Vapor Analytical Results Map in µg/m³ - Target Chlorinated Solvents

Section No. 7.5: Soil Vapor Intrusion (SVI) Evaluation

The design scope outlined in the SRIWP (SVI Evaluation) was followed during the soil vapor intrusion evaluations. Any deviations from the SRIWP are documented in Section 9.0 of this document.

Section No. 7.5.1: Pre-Work Field Preparations

In a letter dated July 14, 2010, the NYSDEC requested that a soil vapor intrusion evaluation be performed at Structure No. 1, Structure No. 4 and Structure No. 5. In an email dated December 7, 2010, Structure No. 2 was added to the evaluation and then in a letter dated February 1, 2011, Structure No. 3 was added. Access agreement letters were drafted and submitted to the property owners to allow the testing to take place on their properties. Four (4) letters were signed and returned, however, the owner of Structure No. 5 did not allow access to their property. Upon consultation with the NYSDEC, it was concluded that Structure No. 5 would be removed pending review of laboratory results from other samples.

Prior to mobilization, a pre-sampling inspection was performed to evaluate the physical layout and conditions of the four (4) buildings being investigated, to specifically determine the location of each sample, identify conditions that may affect or interfere with the sampling and to prepare the building for sampling.

Section No. 7.5.2: Sub-Slab Vapor Sample Collection

For the collection of the sub-slab vapor samples, a one (1) inch hole was drilled, utilizing a hammer drill, through the concrete floor extending not more than two (2) inches below the bottom of the slab. A probe fabricated from ½-inch diameter, threaded brass pipe and a barbed connection was then lowered into the hole and set into place utilizing hydrated bentonite powder, which contains no VOCs. The probe was located approximately ¼-inch above the bottom of the hole. A clean sheet of 4-mil polyethylene was placed on the floor and secured in place with tape. A five (5) gallon plastic container was placed on top of the plastic sheet and above the vapor point. Teflon-lined, ¼-inch I.D. disposable polyethylene tubing was then utilized to connect the barbed connection of the vapor point and a clean-certified, 6-liter SUMMA® canister, provided by Centek Laboratories along with a flow controller pre-set for a twenty-four (24) hour sample duration. The tubing included a tee connection and valve to a purging vacuum pump calibrated

for a flow rate of less than 0.2 liters per minute. The tubing, probe and sub-slab soil was purged of at least one (1) liter of vapor prior to sample collection.

Helium (He) was introduced into the atmosphere under the pail, as a tracer gas, to assure the viability of the vapor point seals with the atmosphere. The tracer gas was monitored in the purge air before sampling and outside of all seals before, during and after sampling, utilizing a Myron Helium Detector. In addition, Helium (He) was analyzed for in the SUMMA® canister and if detected at more than ten (10) percent, the sample would be considered invalid and retaken.

In March 2011, five (5) sub-slab vapor samples were collected. Please refer to Table-28 – Table-31 Soil Vapor Intrusion Sample Collection Data and Figure-11 Sub-Slab Vapor Sampling Locations Map, Appendix, A for more details.

Laboratory analytical results from the sub-slab vapor samples collected during the March 2011 field activities can be reviewed in:

- Table-32 Soil Vapor Intrusion Analytical Results for VOCs via EPA Method TO-15 in µg/m³ - Structure No. 1, 3/2011
- Table-33 Soil Vapor Intrusion Analytical Results for VOCs via EPA Method TO-15 in µg/m³ - Structure No. 2, 3/2011
- Table-34 Soil Vapor Intrusion Analytical Results for VOCs via EPA Method TO-15 in µg/m³ - Structure No. 3, 3/2011
- Table-35 Soil Vapor Intrusion Analytical Results for VOCs via EPA Method TO-15 in µg/m³ - Structure No. 4, 3/2011

Contamination levels can also be found on:

- Figure-14 Sub-Slab Soil Vapor Analytical Results Map in µg/m³ - BTEX and MtBE
- Figure-17 Sub-Slab Soil Vapor Analytical Results Map in µg/m³ - Target Chlorinated Solvents

Section No. 7.5.3: Indoor Vapor Sample Collection

The following summarizes the manner in which indoor air samples were collected:

Sample flow rates conformed to the specifications in the sample collection method (less than 0.2 liters per minute) and were consistent with the hours of operation of the structure. Samples were taken from areas where occupants would not interfere with the sampling. The samples were collected, utilizing conventional sampling methods, in laboratory clean-certified, 6-liter SUMMA® canisters, provided by Centek Laboratories equipped with a flow controller pre-set for an eight (8) or twenty-four (24) hour sample duration. As per the guidance requirements, the samples were collected at a height approximately three (3) feet above the floor to represent a height at which occupants are normally seated.

Section No. 7.5.3.1: Basement Vapor Sample Collection

In March 2011, a total of three (3) basement vapor samples were collected. Please refer to Table-28 – Table-31 Soil Vapor Intrusion Sample Collection Data and Figure-12 Basement Vapor Sampling Locations Map, Appendix, A for more details.

Laboratory analytical results from the basement vapor samples collected during the March 2011 field activities can be reviewed in:

- Table-32 Soil Vapor Intrusion Analytical Results for VOCs via EPA Method TO-15 in µg/m³ - Structure No. 1, 3/2011
- Table-33 Soil Vapor Intrusion Analytical Results for VOCs via EPA Method TO-15 in µg/m³ - Structure No. 2, 3/2011
- Table-34 Soil Vapor Intrusion Analytical Results for VOCs via EPA Method TO-15 in µg/m³ - Structure No. 3, 3/2011
- Table-35 Soil Vapor Intrusion Analytical Results for VOCs via EPA Method TO-15 in µg/m³ - Structure No. 4, 3/2011

Contamination levels can also be found on:

- Figure-15 Basement Vapor Analytical Results Map in µg/m³ - BTEX and MtBE
- Figure-18 Basement Vapor Analytical Results Map in µg/m³ - Target Chlorinated Solvents

Section No. 7.5.3.2: 1st Floor Vapor Sample Collection

In March 2011, a total of five (5) 1st Floor vapor samples and one (1) duplicate sample were collected. Please refer to Table-28 – Table-31 Soil Vapor Intrusion Sample Collection Data and Figure-13 1st Floor and Ambient Vapor Sampling Locations Map, Appendix, A for more details.

Laboratory analytical results from the basement vapor samples collected during the March 2011 field activities can be reviewed in:

- Table-32 Soil Vapor Intrusion Analytical Results for VOCs via EPA Method TO-15 in µg/m³ - Structure No. 1, 3/2011
- Table-33 Soil Vapor Intrusion Analytical Results for VOCs via EPA Method TO-15 in µg/m³ - Structure No. 2, 3/2011
- Table-34 Soil Vapor Intrusion Analytical Results for VOCs via EPA Method TO-15 in µg/m³ - Structure No. 3, 3/2011
- Table-35 Soil Vapor Intrusion Analytical Results for VOCs via EPA Method TO-15 in µg/m³ - Structure No. 4, 3/2011

Contamination levels can also be found on:

- Figure-16 1st Floor and Ambient Vapor Analytical Results Map in µg/m³ - BTEX and MtBE
- Figure-19 1st Floor and Ambient Vapor Analytical Results Map in µg/m³ - Target Chlorinated Solvents

Section No. 7.5.4: Outdoor (Ambient) Vapor Sample Collection

Outdoor (ambient) vapor samples were collected simultaneously with sub-slab and indoor samples to evaluate the potential influence, if any, of outdoor air on indoor air quality. To obtain a representative sample which meets the data quality objectives, the outdoor air samples were collected in a manner consistent with that for indoor air samples. The samples were collected, utilizing conventional sampling methods, in laboratory clean-certified, 6-liter SUMMA® canisters, provided by Centek Laboratories equipped with a flow controller pre-set for a two (2) hour sample duration. As per the guidance requirements, the samples were collected at a height approximately three (3) feet above the floor.

In March 2011, five (5) ambient vapor samples were collected. Please refer to Table-28 – Table-31 Soil Vapor Intrusion Sample Collection Data and Figure-13 1st Floor and Ambient Vapor Sampling Locations Map, Appendix, A for more details.

Laboratory analytical results from the basement vapor samples collected during the March 2011 field activities can be reviewed in:

- Table-32 Soil Vapor Intrusion Analytical Results for VOCs via EPA Method TO-15 in µg/m³ - Structure No. 1, 3/2011
- Table-33 Soil Vapor Intrusion Analytical Results for VOCs via EPA Method TO-15 in µg/m³ - Structure No. 2, 3/2011
- Table-34 Soil Vapor Intrusion Analytical Results for VOCs via EPA Method TO-15 in µg/m³ - Structure No. 3, 3/2011
- Table-35 Soil Vapor Intrusion Analytical Results for VOCs via EPA Method TO-15 in µg/m³ - Structure No. 4, 3/2011

Contamination levels can also be found on:

- Figure-16 1st Floor and Ambient Vapor Analytical Results Map in µg/m³ - BTEX and MtBE
- Figure-19 1st Floor and Ambient Vapor Analytical Results Map in µg/m³ - Target Chlorinated Solvents

Section No. 8.0: Sampling Protocols

All samples were collected utilizing new and dedicated sampling equipment. Once collected, samples were transferred to appropriate sample containers, packed on ice and then delivered to an ELAP certified and CLP laboratory capable of performing NYSDEC ASP category B deliverables. H2M Laboratories, Inc. (H2M) in Melville, New York, analyzed all samples collected for the RIWP completed in August 2008. The analytical results were delivered to H&S Environmental, Inc. (H&S) 160 East Main Street, Suite 2F, Westborough MA for third party data validation. The samples collected for the SRIWP completed in March 2010 were analyzed by Phoenix Laboratories, Inc (Phoenix) located at 587 East Middle Turnpike, P.O. Box 370, Manchester, CT and delivered again to H&S for third party data validation. Samples collected for the SRIWP completed in June 2011 were analyzed by Northeast Analytical Laboratories, Inc. (NEA) located at 2190 Technology Drive, Schenectady, NY and Centek Laboratories located at 143 Midler Park Drive, Syracuse, New York 13212 and delivered Data Validation Services of North Creek, New York for third party data validation. All samples were collected and managed in accordance with NYSDEC guidelines and protocols and as specified in the RIWP. All soil and groundwater samples collected during the initial investigation, under the RIWP, were analyzed for the following parameters:

- Volatile Organic Compounds (VOCs) by EPA Method 8260
- Semi-Volatile Organic Compounds (SVOCs) by EPA Method 8270
- Target Analyte List (TAL) Metals by EPA Method 6010B
- Pesticides by EPA Method 8081
- Herbicides by EPA Method 8151
- Polychlorinated Biphenyls (PCBs) by EPA Method 8082

Utilizing the information collected during the initial sampling, the sample parameters were modified for samples collected during the July 2009 and November 2010 SRIWPs. As described in the approved SRIWPs, samples were analyzed for the following parameters:

On-Site Soils:
- Volatile Organic Compounds (VOCs) by EPA Method 8260
- Semi-Volatile Organic Compounds (SVOCs) by EPA Method 8270
- Target Analyte List (TAL) Metals by EPA Method 6010B
- Pesticides by EPA Method 8081
- Herbicides by EPA Method 8151
- Polychlorinated Biphenyls (PCBs) by EPA Method 8082

Off-Site Soils:
- Target Analyte List (TAL) Metals by EPA Method 6010B
- Volatile Organic Compounds (VOCs) by EPA Method 8260
- Semi-Volatile Organic Compounds (SVOCs) by EPA Method 8270

Pesticides, Herbicides, PCBs were not sampled.

Groundwater On-Site and Off-Site:
- Target Analyte List (TAL) Metals by EPA Method 6010B
- Volatile Organic Compounds (VOCs) by EPA Method 8260
- Semi-Volatile Organic Compounds (SVOCs) by EPA Method 8270

Pesticides, Herbicides, PCBs were not sampled.

Trip blanks were prepared by each laboratory utilizing de-ionized laboratory grade water. One (1) trip blank accompanied all sample shipments to and from the laboratory. The trip blank was handled and

transported in the same manner as the samples collected which it accompanied. Trip blanks were analyzed for the full range of analytes to identify the presence of any cross-contamination as a result of sample shipment, e.g. contamination from the air, shipping containers or from other items coming into contact with the sample containers.

The field blanks were collected by pouring de-ionized laboratory grade water directly into the sample collection containers in the field. Each container was preserved in the same manner as other aqueous matrix samples. The water used for the field blank was supplied by the laboratory from the same source that is used for the laboratory method blank. The field blank was analyzed in accordance with ASP 95-1. For QA/QC purposes, approximately every tenth sample, one (1) duplicate and one (1) Matrix Spike/Matrix Spike Duplicate (MS/MSD) sample were collected and submitted for laboratory analysis.

All field analytical equipment used, including PIDs, were calibrated daily. New and dedicated polypropylene tubing was used to collect groundwater samples to eliminate the possibility of cross-contamination during groundwater sampling activities. Disposable sampling equipment including latex gloves and disposable bailers were used to prevent cross-contamination between samples. Split-spoon samplers used to collect soil samples during monitoring well installation and field screening equipment were decontaminated after each sample by washing with laboratory grade detergent and rinsing with potable water. All drilling equipment that contacted contaminated material was decontaminated according to NYSDEC protocol.

For each of the analytical parameters analyzed, a sufficient sample volume was collected to allow the specified analytical method to be performed according to protocol and to provide sufficient sample for re-analysis if necessary. Since plasticizers and other organic compounds inherent in plastic containers may contaminate samples requiring organic analysis, these samples were maintained in glass containers. Appropriate sample preservation techniques, including cold temperature storage at 4°C, was used to ensure that the analytical parameters in the samples analyzed by the laboratory had not degraded from the time the sample was collected in the field. Samples were analyzed within the respective holding time for each of the analytical parameters to ensure the integrity of the analytical results.

Sample handling in the field conformed to appropriate sample custody procedures. Field custody procedures included the proper sample identification, Chain of Custody (COC) forms and packaging and shipping procedures. Sample labels were attached to all sampling containers before field activities began to ensure proper sample identification. Each label identified the Site and sample location. Each cooler was lined with two (2) 6-mil plastic bubble wrap bags. Bubble wrap was used to absorb shock and prevent breakage of the sample containers. Glass vials for VOC analysis were packaged inside a plastic re-sealable bag prior to placement inside the cooler. Ice was used to condition the cooler and preserve the samples.

After each sample was collected and appropriately identified, all pertinent sample information was added to the COC form. Prior to transporting to the laboratory, the sampler signed and dated the COC relinquishing the samples, saving one (1) copy of the custody form and sealing the remaining copies of the form in a plastic re-sealable bag taped to the underside of the sample cooler lid. After sample containers were sufficiently packed and the COC form completed, the 6-mil plastic bags were sealed around the samples by securely taping the bag closed to prevent leakage. A sample custody seal was placed around the neck of each bag. The sample cooler was sealed with tape prior to delivery to the laboratory.

All samples were accompanied by a schedule B deliverable Quality Assurance/Quality Control (QA/QC) package. Due to the size of this data package, it is attached as Appendix H. The Data Validation Services third party data validation report is attached as Appendix G. In discussions with the data

validation company, no significant anomalies were found in the data and that it could be relied upon. Review of the Data Usability Summary Report (DUSR) attached, also reflects this statement.

Section No. 9.0: Deviations from the RIWP

The design scope outlined in the RIWP was followed as best as possible, but some deviations from the scope were necessary due primarily to field conditions encountered. Each deviation was conveyed to the NYSDEC and approvals of all deviations were granted and alternatives, where applicable, were implemented, some of which are detailed below.

Section No. 9.1: RIWP Completed August 2008

ASR-8: Monitoring well ASR-8 is installed in the sidewalk along the northwest side of Nagle Avenue. It is the southernmost well of the three (3) wells proposed for this sidewalk location. The first two attempts at installing this well met with refusal at twelve (12) feet bsg. The third attempt was approximately twenty (20) feet east of the first and encountered refusal also at twelve (12) feet bsg. During the installation of this monitoring well ASR encountered five (5) refusals within a twenty (20) foot radius. Groundwater was encountered at approximately nine (9) feet bsg. Due to the numerous attempts, refusals, and difficult drilling conditions, a monitoring well was constructed and installed in the final borehole attempt. The monitoring well was constructed without the bottom two (2) foot solid sediment trap and at a depth less than RIWP scope of twenty (20) feet bsg. The construction of this monitoring well was reviewed with the NYSDEC Project Manager, Mr. Sadique Ahmed, and it was determined that due to the refusal encountered, the terminal depth of fifteen (15) feet bsg should be sufficient to obtain viable groundwater samples.

ASR-10: Monitoring well ASR-10 is located in the sidewalk along the southeast side of Nagle Avenue. Upon constructing this well, ASR believes that a rock may have been encountered, not allowing the full length of the monitoring well to be installed. Therefore, the monitoring well was constructed with thirteen (13) feet of screen, a two (2) foot solid sediment trap and the solid PVC riser was reduced to six (6) inches.

ASR-11: This well could not be installed during the December installation period due to a work moratorium along Broadway. The installation was performed in January 2008, and was observed by Mr. Sadique Ahmed of the NYSDEC. A location for the borehole was chosen and the sidewalk was core drilled utilizing a twelve (12) inch diameter drill bit. The borehole was hand cleared to approximately five (5) feet bsg. A boring was attempted; however, refusal was encountered above the ground water level. Two (2) additional locations were attempted through the sidewalk. The presence of utilities in the sidewalk significantly reduced the availability of possible drilling locations. A fourth location was chosen, and soil samples were collected to the groundwater interface. No contamination was observed or recorded by the PID. During the boring, a large cobble or bedrock was encountered at approximately fifteen (15) feet bsg. In an attempt to advance through the refusal, three (3) sampling rods were damaged. Due to the location and abundance of underground utilities that exist in the vicinity of the proposed borehole location, ASR installed a monitoring well in the borehole terminating at fifteen (15) feet bsg. The well was constructed with ten (10) feet of screen and five (5) feet of solid PVC riser. A full sand pack and bentonite seal was installed. Prior to leaving the Site, ASR monitored the well utilizing a sonic interface probe and confirmed that the well contained four (4) feet of groundwater.

SB-1: During the advancement of soil boring SB-1, down gradient from the former gasoline pump islands, the drill rig encountered what appeared to be concrete at eight (8) feet bsg. As a result of repeated attempts to drill through the concrete, a hydraulic fluid leak developed in a transfer case of the drill rig. It was determined that a crack had developed on the transfer case, which could not be

repaired on-site. The borehole was abandoned after advancing eight (8) feet bsg and collecting a soil sample from three (3) to five (5) feet bsg, which did not indicate contamination. After encountering additional refusals, soil boring SB-1 was completed on December 13, 2007 to the terminal depth of twenty (20) feet bsg.

Section No. 9.2: SRIWP Completed March 2010

ASR-12 and ASR-13: JCB performed ten (10) boring attempts, by Geoprobe®, all terminated in refusal between approximately twelve (12) and fourteen and one-half (14.5) feet bsg. At each of these boring locations, continuous soil samples were collected until refusal with soil samples submitted to the laboratory for analysis, as per the RIWP.

Assuming that this rock is competent, as demonstrated by the out-cropping east of the Site, JCB voiced concerns for the viability of the deeper well which would be constructed into seventeen (17) feet of competent rock. JCB requested that both of these proposed monitoring well installations be discontinued based upon the existence of competent rock in the northwestern portion of the Site. The NYSDEC concurred and indicated that if chlorinated solvents are detected in the soils samples from that area, the NYSDEC may require that one of the two wells be installed.

ASR-18 and ASR-19: Due to a change in elevation between the Site and the adjoining sidewalk area, corresponding in a depth to water in ASR-6 (the previously installed sidewalk well) of six and one-half (6.5) feet bsg, monitoring wells ASR-18 and ASR-19 were shortened and installed to a total depth of fourteen (14) feet bsg. Construction consisted of ten (10) feet of PVC screen, two (2) feet of solid sediment trap and two (2) feet of solid PVC riser to grade.

Section No. 9.3: Vapor Intrusion (SVI) Evaluation Completed March 2011

Soil Vapor Intrusion: The SRIWP (SVI Evaluation) detailed the procedure to collect two (2) sub-slab, two (2) basement, six (6) 1st floor and one (1) ambient vapor samples from the structure located at Structure No. 5. Due to inaccessibility to the property as a result of a failure of the property owner to allow access, the samples could not be collected before the end of the heating season (March 31, 2011). After conversations with the NYSDEC and NYSDOH, it was determined that the analytical results from vapor points VP-13 and VP-14, located in the sidewalk adjacent to Structure No. 5, will be reviewed and, if necessary, access to the interior of this building may be reattempted at some point in the future. Documentation of communications with the property owner and property owner's counsel and unsuccessful efforts to obtain access was previously provided to NYSDEC when the attempts to access this property were being made.

Section No. 10.0: Nature of the Soil Contamination

Several soil contaminants potentially related to petroleum based activities were found at the Site. Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) compounds were found in the center portion of the Site, predominantly in the areas of ASR-4, ASR-5, SB-4, SB-5 and ASR-14. Concentrations of BTEX in the soil ranged from "not detected" to 589ppm in boring ASR-7.

In only one (1) boring, SB-5, BTEX compounds were identified at concentrations above the UUSCOs in the unsaturated soil above groundwater (which ranged from eight (8) to nine (9) feet bsg at the time of soil sample collection). In all remaining borings, BTEX compounds were detected within saturated soil; and therefore, were influenced by groundwater contaminant migration. BTEX compounds were detected down gradient of the Site (referring to the groundwater gradient) in ASR-6, ASR-7, SB-8, ASR-18, and ASR-19, reaching those locations by groundwater transport or lateral product flow. No BTEX

compounds in soil were detected in the most down gradient locations, ASR-21 and ASR-22. No BTEX compounds in soil were detected across Nagle Avenue in ASR-9, ASR-10, or ASR-20. MtBE was not detected above UUSCOs in any of the samples analyzed for MtBE. See Figure 5 – Soil Analytical Results Map (µg/kg) BTEX and MtBE, and Table-2 through Table-4 for the Soil Analytical Results for VOCs via EPA Method 8260 Exceeding Guidance Values in ppb.

Target chlorinated solvents detected include Tetrachloroethene (PCE), Trichloroethene (TCE), cis-1,2 Dichloroethene (cis-DCE), trans-1,2 Dichloroethene (trans-DCE), and Vinyl Chloride (VC). PCE was detected in the unsaturated soil at three (3) locations behind the existing parking lot attendant's office (SB-8, ASR-16 and ASR-17). The highest value was 120ppm in boring SB-8 at 2.5'-5' bsg. PCE concentrations decreased vertically and horizontally from these locations to a depth of approximately 12.5 ft bsg.

No Targeted Chlorinated Solvents above the UUSCOs were identified in off-site soils. See Figure 8 – Soil Analytical Results Map (µg/kg) Target Chlorinated Solvents, and Table-2 through Table-4 for the Soil Analytical Results for VOCs via EPA Method 8260 Exceeding Guidance Values in ppb.

SVOCs were found throughout the central portion of the Site, corresponding to the area of the former service stations. Compounds at concentrations greater than the UUSCOs were identified in SB-1, SB-4, ASR-5, ASR-12 and ASR-14. Additional SVOCs detected above the UUSCOs were identified down gradient, or off-site in ASR-7, ASR-8, ASR-19, and ASR-22. In should be noted that naphthalene was the only SVOC at concentrations above the UUSCOs identified in SB-4, ASR-5 and ASR-7 at levels of 24ppm, 17ppm and 23ppm respectively; however, these concentrations were within saturated soil. See Table-5 through Table-7 for the Soil Analytical Results for SVOCs via EPA Method 8270 Exceeding Guidance Values in ppb.

Two (2) metal Areas of Concern (AOCs) were found during the investigation. One (1) AOC is the northern and eastern portions of the Site. This AOC consists of monitoring well locations ASR-4, ASR-5, ASR-7, ASR-8, ASR-14, ASR-15 ASR-16 and ASR-17. Chromium is the predominant soil contaminant, being found in the samples collected at groundwater interface (approximately 6'-11' bsg). The concentration of Chromium detected ranged from 32ppm to 60ppm. Mercury was also detected above the UUSCO at on-site locations SB-2, SB-3, SB-5, SB-8, SB-9, and ASR-14 at concentrations between 0.19ppm (ASR-14) and 0.65ppm (SB-9). Cadmium at a concentration slightly above the UUSCO was detecting in ASR-5 at 3.3ppm (8'-10'). Lead was also detected above the UUSCO at on-site locations SB-1, SB-2, SB-3, SB-4, SB-5, SB-7, SB-8, SB-9, ASR-4, ASR-5, ASR-12, ASR-13, ASR-14, ASR-15 and ASR-16 at concentrations between 76ppm (SB-5) and 2,390ppm (ASR-15).

The second AOC is located off-site, on the north side of Nagle Avenue. This AOC consists of monitoring well locations ASR-18, ASR-19 and ASR-20. Lead is the predominant soil contaminant, found in the samples collected at groundwater interface (approximately 7'-10' bsg). The concentration of Lead detected ranged from 67.8ppm to 530ppm. Mercury detected above the UUSCO was identified off-site at locations ASR-18, ASR-19 and ASR-21 at concentrations between 0.21ppm (ASR-21) and 0.97ppm (ASR-18).

There were no detection of any metals above the UUSCOs on the north side of the Site (MW-11) and the south side of Nagle Avenue (ASR-9, ASR-10 and ASR-20). See Table-8 through Table-10 for the Soil Analytical Results for TAL Metals via EPA Method 8010B Exceeding Guidance Values in ppm.

During the advancement of on-site soil borings, historic fill material (HFM) was identified from surface grade to a maximum depth of sixteen (16) feet bsg. The HFM consisted of various amounts of red brick, coal ash and wood mixed with disturbed native soils. Samples of HFM were collected as part of the RI sampling intervals. During the advancement of off-site borings, HFM was identified at depths to

approximately five (5) feet bsg, from suspected redistribution of native soils during road construction or underground utility installation.

Section No. 11.0: Nature of the Groundwater Contamination

Groundwater at the Site was found to be contaminated with BTEX contamination, Target Chlorinated Solvents and TAL Metals that exceeded the NYSDEC Division of Water TOGS 1.1.1 Guidance Values. The on-site AOC for BTEX includes ASR-1, ASR-4, ASR-5, ASR-15, and ASR-17. Total BTEX was highest on-site in ASR-4, close to the center of the Site. BTEX contamination in excess of Guidance Values was also identified in monitoring wells ASR-6, ASR-7, ASR-18, and ASR-19. Off-site Total BTEX was highest in ASR-7, located in close proximity to the location of the former USTs. No BTEX contamination was found across Nagle Avenue, which is likely due to the eastern groundwater flow direction, and steep gradient that inhibits contaminant flow to the south.

One (1) Target Chlorinated Solvent, cis-1,2 Dichloroethene, was detected over the Guidance Values in one (1) monitoring well, ASR-17, which is located on-site. This compound is a degradation product of PCE. Another degradation product of PCE, Vinyl Chloride, was detected in monitoring well ASR-18, located directly down gradient of monitoring well ASR-17. These results confirm that degradation of PCE is occurring. In addition, PCE above the Guidance Value was detected across Nagle Avenue in ASR-10. It should be noted that a dry-cleaner was located at 17 Nagle Avenue, adjacent to ASR-10, in the past.

TAL Metals were found in the groundwater throughout the Site, some being found across Nagle Avenue. It should be noted that none on the metal samples were field-filtered. Due to the relatively shallow depths to the upper weathered bedrock layer, the groundwater will often exhibit natural high mineral content.

During the development and sampling of ASR-3, ASR-11 and ASR-14, JCB found that these wells yielded very little water and had a poor recharge rate. Upon consultation with the NYSDEC project manager, it was decided that samples could be collected from these wells even though they were not properly purged. Water from these wells contained mica schist flakes and was dark in color. It is JCB's opinion that these wells are, in effect, rock wells and do not reflect the true groundwater table at the Site.

During the sampling of ASR-7 in December 2009, free phase Light Non-Aqueous Phase Liquid (LNAPL) was discovered at the groundwater table. Depth to LNAPL was recorded at 6.79 feet bsg and depth to water was recorded at 6.88 feet bsg indicating an LNAPL thickness of 0.09 feet. As per a requirement of the NYSDEC, this well was placed on a monthly monitoring program until May 2010. Additional gauging of ASR-7 was performed in August and November 2010. LNAPL has not been detected in any groundwater monitoring well associated with the Site since the single occurrence in December 2009.

Section No. 12.0: Nature of Soil Vapor Contamination

The analysis of the soil vapor samples for the Site indicates the detection of several target compounds, and groups of compounds, across the Site. Notably, the following compounds were detected at elevated concentrations:

BTEX compounds were detected in VP-1, VP-4, VP-5, VP-6, VP-8, and VP-10 ranging from 3,610µg/m³ in VP-10 to 1,038,700µg/m³ in VP-5. BTEX in soil vapor was not detected over 1,000µg/m³ in any of the off-site soil vapor probes.

Methyl tertiary Butyl Ether (MtBE) levels were detected in VP-3, VP-4, VP-6, VP-8, VP-9, VP-10, and VP-11 ranging from 1.62µg/m³ in VP-7 to 9,660µg/m³ in VP-4. MtBE in soil vapor was not detected over the laboratory detection limit in any of the off-site soil vapor probes.

Tetrachloroethylene (PCE) was detected in all soil vapor points installed during this investigation at concentrations ranging from 5.9µg/m³ in VP-14 to 5,280,000µg/m³ in VP-9. PCE was identified in the down gradient soil vapor probes VP-12, VP-15, and VP-16 ranging from 1,051µg/m³ in VP-12 to 8.8µg/m³ in VP-16. The soil vapor probes located on the south side of Nagle Avenue contained PCE ranging from 5.9µg/m³ in VP-13 to 1,051µg/m³ in VP-11A. It should be noted that a dry-cleaner was located at 17 Nagle Avenue, adjacent to VP-11A, in the past.

Trichloroethene (TCE), a degradation product of (PCE), was detected in soil vapor probes VP-1, VP-3, VP-6, VP-8, VP-9, VP-10 and VP-11 ranging from 2.15µg/m³ in VP-11 to 37,600µg/m³ in VP-9. TCE in soil vapor was not detected over the laboratory detection limit in any of the off-site soil vapor probes.

Cis-1,2,-Dichloroethene (cis-DCE), a degradation product of TCE (and in turn PCE) was detected in soil vapor probes VP-1, VP-6, VP-8, VP-9, and VP-10 ranging from 61.1µg/m³ in VP-10 to 78,900µg/m³ in VP-9. Cis-DCE in soil vapor was not detected over the laboratory detection limit in any of the off-site soil vapor probes.

Vinyl Chloride (VC) a degradation product of cis-DCE (and in turn TCE and PCE) was detected in soil vapor probes VP-4, VP-5, VP-9, VP-13, and VP-15 ranging from 0.10µg/m³ in VP-13 and VP-15 to 104µg/m³ in VP-9.

Section No. 13.0: Soil Vapor Intrusion Evaluation

Sub-slab, indoor and ambient air samples were assessed utilizing the NYSDOH Soil Vapor/Indoor Air Matrices 1 and 2. Carbon Tetrachloride and TCE are assigned to Matrix 1 and 1,1,1-Trichloroethane (1,1,1-TCA) and PCE are assigned to Matrix 2.

At Structure No. 1, TCE and PCE were detected in the sub-slab and Carbon Tetrachloride, TCE, 1,1,1,-TCA and PCE were identified in the indoor air, therefore, the response action identified by the analysis of the NYSDOH Soil Vapor/Indoor Air Matrices 1 and 2 indicate “Take reasonable and practical actions to identify sources and reduce exposures´. The concentrations detected in the indoor air sample are likely due to indoor/outdoor sources rather than soil vapor intrusion given the concentration detected in the sub-slab vapor sample.

At Structure No. 2, TCE and PCE were detected in the sub-slab and none of the target compounds were detected in the indoor air, therefore, the response action identified by the analysis of the NYSDOH Soil Vapor/Indoor Air Matrices 1 and 2 indicate, “No Further Action” is required. Given that the compounds were below guidance values in the indoor air sample and that the concentrations detected in the sub-slab vapor sample are not expected to significantly affect indoor air quality, no additional actions are needed to address human exposures.

At Structure No. 3, Carbon Tetrachloride and PCE were detected in the sub-slab and indoor air samples. It should be noted that Carbon Tetrachloride was detected in the ambient sample at the same level as the indoor air, therefore, analysis of the NYSDOH Soil Vapor/Indoor Air Matrices 1 and 2 indicate, “No Further Action” is required, when the ambient air results are used in conjunction with indoor results. Given that the compounds were below guidance values in the indoor air sample and that the concentrations detected in the sub-slab vapor sample are not expected to significantly affect indoor air quality, no additional actions are needed to address human exposures.

At Structure No. 4, Carbon Tetrachloride and PCE were detected in the sub-slab and indoor air samples. It should be noted that Carbon Tetrachloride was detected in the ambient sample, therefore, analysis of the NYSDOH Soil Vapor/Indoor Air Matrix 1 indicates, "No Further Action" is required. Given that the compounds were below guidance values in the indoor air sample and that the concentrations detected in the sub-slab vapor sample are not expected to significantly affect indoor air quality, no additional actions are needed to address human exposures. Analysis of the NYSDOH Soil Vapor/Indoor Air Matrix 2 indicates, "Monitor/Mitigate" is recommended after considering the magnitude of sub-slab vapor and indoor air concentrations along with building and site specific conditions. It should be noted that a dry-cleaner was located at 17 Nagle Avenue, the property directly adjacent to Structure No. 4, in the past. There are no known operations or sources of PCE found which have been associated with the Site operations and use since the Site was sold by Exxon in 1976. However, it should be noted that prior auto repair shop services performed on the site when operated by Louis Calderone, Kesbec Oil and Exxon in the decades prior to the 1970's and going back to the 1920's may have involved the use of degreasers and metal parts cleaners that are commonly known to have contained PCE.

No ambient concentrations were detected in our investigations above NYSDOH background values.

Section 14.0: Qualitative Exposure Assessment

Section 14.1: Introduction

A Qualitative Exposure Assessment (QEA) has been included to evaluate the potential human health risks produced by residual amounts of petroleum and chlorinated volatile organic compounds, semi-volatile organic compounds and heavy metals contamination on the Subject Property and adjacent area properties. Guidance under the NYSDEC BCP recommends that an exposure assessment be performed as part of site management strategy for a remedial investigation.

Section 14.2: Sensitive Receptor Survey

A limited sensitive receptor survey was performed to investigate the potential sensitive receptors in the vicinity of the Site. No potable wells or surface water bodies were identified on or in the immediate vicinity of the Site. The entire area is supplied water from the New York City water system, which is supplied water from reservoirs in the Catskill Mountains. The nearest surface water body is the Hudson River located approximately 0.37 miles west of the Site, directly up gradient of the Site. In addition, the Harlem River is located approximately 0.45 miles northeast of the Site, directly down gradient of the Site.

On-site sensitive receptors would be the potential intended use of the property as a commercial retail property. The proposed re-development plan last revised in 2009 consisted of a two (2) story commercial building with underground parking, however, because of the economic downturn and changes in market conditions the re-development plans are subject to further revision, as currently there is no committed anchor tenant or finalized development plan. The final development plan would conform to the needs and requirements of the anchor tenant. The first floor of the building would contain approximately 11,000 square feet of retail commercial space. The second floor of the building is proposed to have a fitness club, or other retail facility. The building is contemplated to include an underground parking garage, which will extend through the entire footprint of the property. This underground parking garage would encompass the areas formerly occupied by the USTs, dispensers and service station building. The underground parking garage would also include a basement area (utility, meter and equipment rooms). This underground parking garage area would be excavated to the shallow bedrock surface to a minimum final depth of 13 feet bsg. However, all

overburden soils that do not meet unrestricted use cleanup objectives, will be excavated from the Site until clean soil or bedrock is encountered. This may require the importation of fill material (sand and gravel) to restore the surface to the final basement grade. The latest version of the proposed site development plan can be referenced in Appendix E.

There are no known operations or sources of PCE found which have been associated with the Site operations and use since the Site was sold by Exxon in 1976. However, it is noted that prior auto repair shop services performed on the Site when operated by Louis Calderone, Kesbec Oil and Exxon in the decades prior to the 1970's and going back to the 1920's may have involved the use of degreasers and metal parts cleaners that are commonly known to have contained PCE.

There are three (3) schools within a one-half mile radius of the Site: IS 218, MS 322, and PS 152. The schools are located to the north and east of the Site. According to available groundwater data, IS 218 and MS 322 are cross gradient of the groundwater flow, which is predominantly to the east, southeast. PS 152 is located down gradient, approximately 700 feet northeast of the Site and as such, is considered an off-site sensitive receptor. However, based upon available analytical data, from SVI sampling underneath structures closer to the site, it is not likely that the Site has had an impact on the sub-surface conditions of this school building. PS 5 is located down gradient approximately 2,100 feet northeast of the Site, however, given the distance from the subject property, it is not likely that the Site has had an impact on the sub-surface conditions of this school building. No other schools were found directly down gradient of this Site prior to reaching the Harlem River.

Several of the adjacent and surrounding buildings have basements. In March 2011, JCB executed a Soil Vapor Intrusion (SVI) Evaluation within four (4) surrounding buildings. Please refer to Section 13.0 for a complete summary of the SVI Evaluation and identification of additional off-site receptors.

In addition to the above referenced chlorinated solvents, petroleum solvents such as Benzene, Toluene, Ethylbenzene and Xylenes (BTEX) were observed in the vapor samples as well.

Section 14.3: Exposure Assessment

Section 14.3.1: Chemicals of Concern

The chlorinated compound PCE and associated compounds indicative of their natural environmental decay, TCE, cis-DCE and vinyl chloride, and Benzene, Toluene, Ethylbenzene and Xylenes (BTEX) have been considered for this evaluation. Utilizing the most recent analytical results from soil and groundwater sample collection, any chemicals analyzed for and detected by laboratory testing at levels that are above the UUSCOs are designated as Chemicals of Potential Concern (COPCs). This report includes the COPCs, the most recent analytical results and the applicable contaminate level standards and/or guidelines for soil and groundwater media, respectively.

Section 14.3.2: Exposure Pathways

Primary sources of contamination considered for this evaluation of an active parking lot involved in a BTEX and chlorinated compounds investigation include exposure to the soils and groundwater on-site and exposure to the groundwater off-site. These include surface and subsurface soil, dissolved contaminate groundwater plumes, and LNAPL and DNAPL plumes. Potential transport mechanisms include contaminant volatilization and atmospheric dispersion, volatilization and enclosed-space accumulation, chemical leaching and groundwater transport. Pathways are selected based on the current and anticipated uses of the site, which focus on the primary human exposure media (soil and groundwater). Possible exposure pathways to be

considered are dermal contact, ingestion and inhalation of vapors or particulates. To facilitate this process, the on-site use is assumed to be consistent with the possible intended uses – commercial/residential – ground floor commercial stores with residential above.

An exposure pathway describes the means by which a potential receptor may be exposed to contaminants originating from a site. Assessment of potential exposure pathways includes the following five elements.

1) Description of Contaminant Source
2) Contaminant Release and Transport Mechanism to the Exposed Population
3) Identification of all Potential Exposure Points where actual or potential human contact with a contaminated medium may occur
4) Description of the Route of Exposure (ingestion, inhalation, dermal absorption)
5) A characterization of the receptor populations who may be exposed to contaminants at a point of exposure

The NYSDOH considers an exposure pathway complete when all five (5) elements are documented. A potential exposure pathway exists when any one of the five elements is not known. An exposure pathway may be eliminated when any one of the five (5) elements compromising an exposure pathway has not existed in the past, does not exist in the present and can reasonably be anticipated to never exist in the future (NYSDEC DER-10, Appendix 3B NYSDOH Qualitative Human Health Exposure Assessment, May 2010).

Please refer to Table No. 36 Potential Exposure Pathways evaluated more details.

Based upon land and groundwater use, the potential receptor classification provides a general indication of the population that could be potentially exposed. Due to the historic, present and proposed future uses of the subject property, on-site receptors will consist of the construction worker during re-development activities, utility workers, trespassers during remediation, the commercial worker performing daily tasks on the site and within the newly constructed building and the residents who might live in a newly constructed building. Off-site receptors have been included using the on-site exposure pathway concentrations assuming a direct exposure.

This selection represents potential exposures in relation to the environmental conditions through which this particular Brownfield Project has been assigned. The potential pathways are not intended to encompass all possible routes of exposure for this site.

Commercial Worker Receptor
The scenario for the commercial worker receptor includes exposure from the inhalation (indoor) of constituents emanating from subsurface soil and groundwater through soil vapor intrusion within any structure developed on-site.

Construction Worker and Utility Worker Receptor
The scenario for the construction worker and utility worker receptor includes exposure from the dermal contact and, incidental ingestion of contaminants in subsurface soil and groundwater during ground intrusive activities. Inhalation of VOCs in subsurface soil and groundwater and through volatilization from groundwater.

On-site Resident Receptor
The scenario for the resident receptor includes exposure from the inhalation (indoor) of VOCs volatilizing from soil and groundwater through the soil vapor intrusion pathway.

Off-Site Resident or passerby Receptor
The scenario for the resident *or passerby* receptor includes exposure off-site from the inhalation (outdoor) of dust and VOCs from subsurface soil, and volatilizing from soil or groundwater during ground intrusive activities on-site.

Trespasser Receptor
The scenario for the trespasser receptor includes the potential exposure through incidental ingestion and dermal contact with contaminated soil and groundwater if open excavations are present on-site. Trespassers, who breach security measures and construction fencing and illegally enter the Site at their own risk without the consent of 4566, might possibly be exposed through inhalation of VOCs in subsurface soil and volatilizing from groundwater during ground intrusive activities on-site or from open excavations.

Section 14.4: Qualitative Exposure Assessment Conclusions

During the on-site remedial investigation, levels of COPCs were found to be in excess of the NYSDEC and NYSDOH Guidance/Background Values. Subsequent off-site groundwater sample analysis was conducted which identified off-site groundwater levels exceeding NYSDEC Guidance Values. No remediation of the on-site/off soils or on-site/off-site groundwater has been performed at this time.

A sensitive receptor survey has been conducted in order to evaluate these remaining chemicals from an exposure perspective. JCB has prepared this assessment to evaluate the potential for exposure to the identified receptors utilizing current groundwater quality. The chemicals identified in the soil, groundwater and soil vapors above their appropriate guidance/background levels have been evaluated under the following potential pathways for selected receptors: inhalation of vapors emanating from subsurface soil and groundwater, and inhalation of particulates, dermal contact, and ingestion of chemicals in subsurface soil.

Section No. 15.0: Conclusions

1. Both soil and groundwater contamination by petroleum related compounds and chlorinated solvents exist on the Site from historic, past site activities.

2. There is a relatively steep groundwater gradient of 0.02 to 0.03 feet/foot trending east from the Site as well as easterly down Nagle Avenue. As a result, groundwater contaminants flow to the east and not to the south from the Site across Nagle Avenue. Additionally, the sewer main and other utilities under Nagle Avenue are likely contributing to the eastern groundwater flow due to differential hydraulic conductivity from loose or non-native backfill material. All contaminant migration patterns are influenced by this eastern groundwater gradient.

3. Petroleum contamination:

    a. BTEX compounds, which are components of the petroleum contamination, are primarily concentrated in the area of the former gasoline USTs in the center of the Site. BTEX soil contamination also exists off-site in the areas of ASR-6 and ASR-18. This is consistent with the established groundwater flow direction.

    b. A BTEX groundwater plume exists across the Site, which continues off-site into ASR-6, ASR-7, ASR-8, ASR-18 and ASR-19. The extent of this plume is also well-defined and limited by the biological degradation that is occurring.

c. A BTEX soil vapor plume exists across the center of the Site and is well-defined. BTEX in soil vapor was not detected over 1,000µg/m³ in any of the off-site soil vapor probes.

d. SVOC contamination is well-defined in the on-site soils as predominantly in the area of the former gasoline USTs near the center of the Site. Two (2) isolated areas of contamination exist off-site at ASR-19 and ASR-22.

e. Only one (1) SVOC, naphthalene, was detected in the groundwater, generating a well-defined plume extending from the center of the property at ASR-4 to ASR-7.

f. Petroleum LNAPL with a thickness of 0.09 feet was discovered in monitoring well ASR-7 on December 1, 2009. ASR-7 is located adjacent to the historic gasoline USTs. Monthly groundwater gauging of ASR-7 for the presence of LNAPL continued until May 2010 and additional gauging of ASR-7 was performed in August and November 2010. LNAPL has not been detected in any groundwater monitoring well associated with the Site since the single occurrence in December 2009.

4. Target Chlorinated Solvent Contamination:

a. Target chlorinated solvent contamination is concentrated on-site in the area to the east and south of the existing parking lot attendant's office (SB-8, ASR-16 and ASR-17). The target chlorinated solvents detected include Tetrachloroethene (PCE), cis-1,2 Dichloroethene (cis-DCE) and Vinyl Chloride (VC). The highest value of PCE detected was 120ppm in boring SB-8 at 2.5'-5' bsg. PCE concentrations decreased vertically and horizontally from these locations to a depth of approximately 12.5 ft bsg.

b. Only one (1) target chlorinated solvent was detected in the groundwater, generating a well-defined plume extending from the east side of the parking lot attendant's office at ASR-17 to the north side of Nagle Avenue at ASR-18. An additional off-site area of target chlorinated solvent contamination is located at ASR-10, located on the south side of Nagle Avenue. It should be noted that a dry-cleaner was located at 17 Nagle Avenue, adjacent to ASR-10, in the past.

c. A target chlorinated soil vapor plume exists across the south and east sides of the Site and is well-defined. Target chlorinated solvents in soil vapor were also detected over 1,000µg/m³ in VP-11A, located on the south side of Nagle Avenue. It should be noted that a dry-cleaner was located at 17 Nagle Avenue, adjacent to VP-11A, in the past.

d. The presence of TCE, cis-DCE and VC in the down gradient groundwater and soil vapor samples indicate that the chlorinated compounds in the Site plume are actively degrading.

5. Target Analyte List Metals Contamination:

a. TAL metals soil contamination is concentrated on-site in the north, center and east portions. TAL metals soil contamination also exists off-site on the north side of Nagle Avenue above the observed groundwater interface. It should be noted that background research performed indicates that this area was utilized in the past as a parking lot and has never been owned or occupied by the participant. In addition, this area has been capped with concrete. The possibility exists that historic fill material was imported during redistribution of native soils during road and sidewalk construction. No metals soil contamination was detected on the south side of Nagle Avenue.

b. TAL Metals were found in all groundwater samples collected. It is JCB's opinion that the high metal and sodium concentrations in the groundwater are naturally occurring as a result of the relatively shallow depths to the upper weathered bedrock layer in the immediate area.

6. Soil Vapor Intrusion Evaluation:

   a. At Structure No. 1, analysis of the NYSDOH Soil Vapor/Indoor Air Matrices 1 and 2 indicate "Take reasonable and practical actions to identify sources and reduce exposures". The concentrations detected in the indoor air sample are likely due to indoor/outdoor sources rather than soil vapor intrusion given the concentration detected in the sub-slab vapor sample.

   b. At Structure No. 2, analysis of the NYSDOH Soil Vapor/Indoor Air Matrices 1 and 2 indicate, "No Further Action" is required. Given that the compounds were below guidance values in the indoor air sample and that the concentrations detected in the sub-slab vapor sample are not expected to significantly-affect indoor air quality, no additional actions are needed to address human exposures.

   c. At Structure No. 3, analysis of the NYSDOH Soil Vapor/Indoor Air Matrices 1 and 2 indicate, "No Further Action" is required, when the ambient air results are used in conjunction with indoor results. Given that the compounds were below guidance values in the indoor air sample and that the concentrations detected in the sub-slab vapor sample are not expected to significantly-affect indoor air quality, no additional actions are needed to address human exposures.

   d. At Structure No. 4, analysis of the NYSDOH Soil Vapor/Indoor Air Matrix 1 indicates, "No Further Action" is required. Given that the compounds detected were below guidance values in the indoor air sample and that the concentrations detected in the sub-slab vapor sample are not expected to significantly-affect indoor air quality, no additional actions are needed to address human exposures. Analysis of the NYSDOH Soil Vapor/Indoor Air Matrix 2 indicates, "Monitor/Mitigate" is recommended after considering the magnitude of sub-slab vapor and indoor air concentrations along with building and site specific conditions. It should be noted that a dry-cleaner was located at 17 Nagle Avenue, the property directly adjacent to Structure No. 4, in the past. Please reference "Records Search Report", dated January 2012, for additional details.

   e. No ambient concentrations were detected in any investigations above NYSDOH background values.

7. The sources of contaminants have been assessed based on the concentrations of contaminants and migration pathways.

   a. The sources of the petroleum-based soil and groundwater contamination on-site are suspected to be the past Site activities related to the operation of various gasoline service stations from the 1920's through 2006. Please reference "Records Search Report", dated January 2012, for additional details.

   b. North of Nagle Avenue the source of PCE and its degradation products is believed to be from a shallow release in the area on the east side of the parking lot attendant's office; the cause is unknown. However, prior Site owners and/or tenants may have been engaged in automotive repair operations that may have employed chlorinated solvents, which would have been

commonly found in degreasers, auto parts cleaning solvents and cleaners, and other forms of auto parts cleaning agents.

c. Based upon background research, 17 Nagle Avenue (17 Nagle), located south southeast of the Site and across Nagle Avenue, was formerly identified as Johnnies Cleaners, a dry cleaning facility. According to the EPA, 17 Nagle was listed on the RCRA: LQG database with EPA ID number NYD982793127 in 1989. The classification was then changed to a RCRA-NonGen facility in 1999 and was listed as such until 2007. In addition, a NYCDOB approved plan dated February 1987 identified 17 Nagle as an existing dry cleaning store utilizing dry cleaning equipment and solvents on-site. Please reference "Records Search Report", dated January 2012, for additional details.

8. Historic fill material was identified during the advancement of on-site and off-site soil borings.

Section No. 16.0: Recommendations

Based upon the conclusions above, JCB proposes the following recommendations:

1. The Site, within the boundaries of property lines (on-site area), is fully investigated and delineated for soil, vapor and groundwater. No further investigation of on-site contamination is recommended as a component of the Brownfield activities.

2. Off-site soil, groundwater and soil vapor contamination potentially originating at the Site is fully investigated. No further investigation of off-site contamination is recommended as a component of the Brownfield activities.

3. The migration of soil vapor into the nearest building, known as Structure No. 1, requires that a reasonable and practical action be taken to reduce exposures. According to the NYSDOH guidance, since the VOC concentrations observed in the indoor air were found to be above those observed in the sub-slab vapor, the owner of the building should be notified to take reasonable and practical action to reduce exposure to the elevated compounds.

4. Per DER-10 Section 4.4(d)2, an alternative analysis report will be prepared.

5. Per DER-10, a Remedial Work Plan (RWP) will be prepared for the Site.

Section No. 17.0: Standards, Criteria and Guidance (SCG)

A criterion for remedy selection is evaluation for conformance with Standards, Criteria and Guidance (SCGs) that are applicable, relevant and appropriate. Principal SCGs that are applicable, relevant and appropriate for evaluating the alternatives for remediation of this BCP site include the following:

- New York State Environmental Conservation Law (ECL) Article 27, Title 14, Brownfield Cleanup Program (ECL 27-14);

- 6 NYCRR Part 375-1 General Program Requirements; 6 NYCRR Part 375-3 Brownfield Cleanup Program; 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives;

- NYSDEC CP-51 Soil Cleanup Guidance – October 21, 2010;
- New York State Groundwater Quality Standards - 6 NYCRR Part 703;
- NYSDEC Division of Water, Technical and Operational Guidance Series (TOGS 1.1.1), Ambient Water Quality Standards and Guidance Values;
- NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation – May 2010;
- NYSDEC Draft Brownfield Cleanup Program Guide - May 2004;
- NYSDOH "Guidance for Evaluating Soil Vapor Intrusion in the State of New York"; Final Version, October 2006;
- NYSDOH Generic Community Air Monitoring Plan;
- NYS Waste Transporter Permits - 6 NYCRR Part 364; and
- NYS Solid Waste Management Requirements - 6 NYCRR Part 360 and Part 364.

Additional regulations and guidance are applicable, relevant, and appropriate to the remedial alternatives and will be complied in connection with implementation of the remedial program; however, the list above is intended to represent the principal SCGs, which should be considered in evaluating the RIR for this BCP site.

Conformance with the appropriate standards for remediation of contaminated soil is an important criterion in evaluating the remedial alternatives for the BCP site. Presently, in New York State 6 NYCRR Part 375 establishes the primary SCGs associated with remediation of contaminated soil at sites that are in the BCP.

Section No. 18.0: Certifications

I certify that this Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and, that all activities were performed in full accordance with the DER approved work plan and any DER approved modifications.

Sincerely,
J. C. Broderick & Associates, Inc.

Jeffrey V. Nannini
Project Manager

Steven Muller
Project Professional

Tables

Table No. 1:
Well Installation and Soil Boring Summary

Well No.	Date Installed	Length of Riser	Length of Screen	Bottom Sump	Terminal Depth	Latitude	Longitude
ASR-1	10/16/06	5 ft	10 ft	0 ft	15 ft	N40°51'34.8"	W73°55'49.6"
ASR-2	10/03/06	10 ft	10 ft	0 ft	20 ft	N40°51'34.5"	W73°55'51.4"
ASR-3	10/04/06	10 ft	10 ft	0 ft	20 ft	N40°51'35.5"	W73°55'51.3"
ASR-4	12/10/07	5 ft	13 ft	2 ft	20 ft	N40°51'34.5"	W73°55'50.5"
ASR-5	12/11/07	5 ft	13 ft	2 ft	20 ft	N40°51'34.7"	W73°55'50.7"
ASR-6	12/14/07	5 ft	13 ft	2 ft	20 ft	N40°51'34.5"	W73°55'49.5"
ASR-7	12/14/07	5 ft	13 ft	2 ft	20 ft	N40°51'34.5"	W73°55'50.6"
ASR-8	12/18/07	1.5 ft	10 ft	0 ft	11.5ft	N40°51'33.8"	W73°55'50.5"
ASR-9	12/17/07	5 ft	13 ft	2 ft	20 ft	N40°51'34.0"	W73°55'48.9"
ASR-10	12/17/07	4.5 ft	13 ft	2 ft	19.5 ft	N40°51'33.6"	W73°55'50.1"
ASR-11	01/15/08	5 ft	10 ft	0 ft	15 ft	N40°51'34.5"	W73°55'51.7"
ASR-12	10/30/09	None	None	None	13.5 ft	N40°51'35.5"	W73°55'51.3"
ASR-13	10/30/09	None	None	None	14.5 ft	N40°51'35.5"	W73°55'51.3"
ASR-14	10/29/09	20 ft	10 ft	0 ft	30 ft	N40°51'35.1"	W73°55'50.0"
ASR-15	10/29/09	8 ft	10 ft	2 ft	20 ft	N40°51'35.1"	W73°55'50.0"
ASR-16	11/03/09	20 ft	10 ft	0 ft	30 ft	N40°51'34.8"	W73°55'49.5"
ASR-17	11/03/09	8 ft	10 ft	2 ft	20 ft	N40°51'34.8"	W73°55'49.5"
ASR-18	11/05/09	2 ft	10 ft	2 ft	14 ft	N40°51'35.0"	W73°55'48.7"
ASR-19	11/05/09	2 ft	10 ft	2 ft	14 ft	N40°51'35.2"	W73°55'48.1"
ASR-20	3/22/2011	3 ft	10 ft	0 ft	13 ft	N40°51'34.0"	W73°55'50.3"
ASR-21	3/23/2011	3 ft	10 ft	0 ft	13 ft	N40°51'35.4"	W73°55'47.1"
ASR-22	3/23/2011	3 ft	10 ft	0 ft	13 ft	N40°51'35.8"	W73°55'46.2"
SB-1	12/13/07	None	None	None	20 ft	N40°51'34.9"	W73°55'51.0"
SB-2	12/10/07	None	None	None	20 ft	N40°51'34.4"	W73°55'50.6"
SB-3	10/26/09	None	None	None	20 ft	N40°51'35.4"	W73°55'50.9"
SB-4	10/26/09	None	None	None	20 ft	N40°51'35.3"	W73°55'50.4"
SB-5	10/26/09	None	None	None	20 ft	N40°51'34.7"	W73°55'50.4"
SB-6	10/27/09	None	None	None	20 ft	N40°51'34.9"	W73°55'49.9"
SB-7	10/27/09	None	None	None	20 ft	N40°51'35.0"	W73°55'49.8"
SB-8	10/27/09	None	None	None	20 ft	N40°51'34.8"	W73°55'49.5"
SB-9	10/27/09	None	None	None	20 ft	N40°51'34.9"	W73°55'49.6"

Notes:
ft = Feet

Table No. 2:
Soil Analytical Results for Volatile Organic Compounds via EPA Method 8260 Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-4: 10'-12'	ASR-4: 12'-14'	ASR-4: 14'-16'	ASR-4: 16'-18'	ASR-4: 18'-20'	ASR-5: 8'-10'	ASR-5: 11'-13'	ASR-5: 14'-16'	ASR-5: 18'-20'
Date Sampled	----	**12/10/07**	**12/10/07**	**12/10/07**	**12/10/07**	**12/10/07**	**12/11/07**	**12/11/07**	**12/11/07**	**12/11/07**
Volatiles List	**µg/kg**	----	----	----	----	----	----	----	----	----
1,1,1,2-Tetrachloroethane	N/A	----	----	----	----	----	----	----	----	----
1,1,1-Trichloroethane	680	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	270	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	330	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	N/A	----	----	----	----	----	----	----	----	----
1,2,3-Trichlorobenzene	N/A	----	----	----	----	----	----	----	----	----
1,2,3-Trichloropropane	N/A	----	----	----	----	----	----	----	----	----
1,2,4-Trichlorobenzene	N/A	----	----	----	----	----	----	----	----	----
1,2,4-Trimethylbenzene	3,600	----	----	----	----	----	----	----	----	----
1,2-Dibromo-3-chloropropane	N/A	----	----	----	----	----	----	----	----	----
1,2-Dibromoethane	N/A	----	----	----	----	----	----	----	----	----
1,2-Dichlorobenzene	1,100	----	----	----	----	----	----	----	----	----
1,2-Dichloroethane	20	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	----	----	----	----	----	----	----	----	----
1,3-Dichlorobenzene	2,400	----	----	----	----	----	----	----	----	----
1,3-Dichloropropane	N/A	----	----	----	----	----	----	----	----	----
1,4-Dichlorobenzene	1,800	----	----	----	----	----	----	----	----	----
2,2-Dichloropropane	N/A	----	----	----	----	----	----	----	----	----
2-Butanone	N/A	ND	ND	19	ND	7	ND	ND	ND	ND
2-Chloroethylvinylether	N/A	----	----	----	----	----	----	----	----	----
2-Chlorotoluene	N/A	----	----	----	----	----	----	----	----	----
2-Hexanone	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Isopropyltoluene	N/A	----	----	----	----	----	----	----	----	----
4-Chlorotoluene	N/A	----	----	----	----	----	----	----	----	----
4-Isopropyltoluene	N/A	----	----	----	----	----	----	----	----	----
4-Methyl-2-pentanone	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	**86**	**220**	**65**	**56**	33	ND	ND	36	ND
Acrylonitrile	N/A	----	----	----	----	----	----	----	----	----
Benzene	60	3	**340**	4	2	5	**1,900**	**200**	23	**230**
Bromobenzene	N/A	----	----	----	----	----	----	----	----	----
Bromochloromethane	N/A	----	----	----	----	----	----	----	----	----
Bromodichloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	N/A	ND	ND	2	ND	ND	1	3	ND	5
Carbon Tetrachloride	760	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1,100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	370	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table No. 2:
Soil Analytical Results for Volatile Organic Compounds via EPA Method 8260 Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-4: 10'-12'	ASR-4: 12'-14'	ASR-4: 14'-16'	ASR-4: 16'-18'	ASR-4: 18'-20'	ASR-5: 8'-10'	ASR-5: 11'-13'	ASR-5: 14'-16'	ASR-5: 18'-20'
Date Sampled	----	12/10/07	12/10/07	12/10/07	12/10/07	12/10/07	12/11/07	12/11/07	12/11/07	12/11/07
Volatiles List	µg/kg	----	----	----	----	----	----	----	----	----
Cis-1,2-Dichloroethylene	250	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,3-Dichloropropene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromoethane	N/A	----	----	----	----	----	----	----	----	----
Dibromomethane	N/A	----	----	----	----	----	----	----	----	----
Dichlorodifluoromethane	N/A	----	----	----	----	----	----	----	----	----
Ethyl benzene	1,000	**2,100**	**12,000**	66	75	36	**43,000**	**1,900**	25	740
Hexachlorobutadiene	N/A	----	----	----	----	----	----	----	----	----
Isopropylbenzene	N/A	----	----	----	----	----	----	----	----	----
Methyl Ethyl Ketone	120	----	----	----	----	----	----	----	----	----
Methyl-tert-Butyl-Ether (MtBE)	930	----	----	----	----	----	----	----	----	----
Methylene Chloride	50	39	25	27	19	20	ND	18	13	12
Naphthalene	12,000	----	----	----	----	----	----	----	----	----
n-Butylbenzene	12,000	----	----	----	----	----	----	----	----	----
n-Propylbenzene	3,900									
o-Xylene	260	----	----	----	----	----	----	----	----	----
p- & m- Xylenes	260	----	----	----	----	----	----	----	----	----
Xylenes (Total)	520	**10,000**	**30,000**	250	350	130	**260,000**	**13,000**	140	**4,300**
p-Isopropyltoluene	N/A	----	----	----	----	----	----	----	----	----
sec-Butylbenzene	11,000	----	----	----	----	----	----	----	----	----
Styrene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	----	----	----	----	----	----	----	----	----
Tetrachloroethylene	1,300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrahydrofuran (THF)	N/A	----	----	----	----	----	----	----	----	----
Toluene	700	27	**5,000**	34	37	50	**62,000**	**1,400**	110	**1,100**
Trans-1,2-Dichloroethene	190	----	----	----	----	----	----	----	----	----
Trans-1,3-Dichloropropene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,4-Dichloro2butene	N/A	----	----	----	----	----	----	----	----	----
Trichloroethene	470	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	N/A	----	----	----	----	----	----	----	----	----
Trichlorotrifluoroethane	N/A	----	----	----	----	----	----	----	----	----
Vinyl Acetate	N/A	----	----	----	----	----	----	----	----	----
Vinyl Chloride	20	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
µg/kg = parts per billion
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
---- = Not Reported by Laboratory
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives
BOLD Indicates Result Above Guidance Value

Table No. 2 (Continued): Soil Analytical Results for Volatile Organic Compounds via EPA Method 8260 Exceeding Guidance Values										
Client Sample ID	**Guidance Values**	**ASR-6: 9'-11'**	**ASR-6: 16'-20'**	**ASR-7: 9'-11'**	**ASR-7: 11'-16'**	**ASR-8: 1'-6'**	**ASR-8: 6'-11'**	**ASR-8: 11'-12'**	**ASR-9: 11'-13'**	**ASR-10: 11'-16'**
Date Sampled	----	**12/14/07**	**12/14/07**	**12/14/07**	**12/14/07**	**12/18/07**	**12/18/07**	**12/18/07**	**12/17/07**	**12/17/07**
Volatiles List	**µg/kg**	----	----	----	----	----	----	----	----	----
1,1,1,2-Tetrachloroethane	N/A	----	----	----	----	----	----	----	----	----
1,1,1-Trichloroethane	680	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	270	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	330	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	N/A	----	----	----	----	----	----	----	----	----
1,2,3-Trichlorobenzene	N/A	----	----	----	----	----	----	----	----	----
1,2,3-Trichloropropane	N/A	----	----	----	----	----	----	----	----	----
1,2,4-Trichlorobenzene	N/A	----	----	----	----	----	----	----	----	----
1,2,4-Trimethylbenzene	3,600	----	----	----	----	----	----	----	----	----
1,2-Dibromo-3-chloropropane	N/A	----	----	----	----	----	----	----	----	----
1,2-Dibromoethane	N/A	----	----	----	----	----	----	----	----	----
1,2-Dichlorobenzene	1,100	----	----	----	----	----	----	----	----	----
1,2-Dichloroethane	20	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	----	----	----	----	----	----	----	----	----
1,3-Dichlorobenzene	2,400	----	----	----	----	----	----	----	----	----
1,3-Dichloropropane	N/A	----	----	----	----	----	----	----	----	----
1,4-Dichlorobenzene	1,800	----	----	----	----	----	----	----	----	----
2,2-Dichloropropane	N/A	----	----	----	----	----	----	----	----	----
2-Butanone	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinylether	N/A	----	----	----	----	----	----	----	----	----
2-Chlorotoluene	N/A	----	----	----	----	----	----	----	----	----
2-Hexanone	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Isopropyltoluene	N/A	----	----	----	----	----	----	----	----	----
4-Chlorotoluene	N/A	----	----	----	----	----	----	----	----	----
4-Isopropyltoluene	N/A	----	----	----	----	----	----	----	----	----
4-Methyl-2-pentanone	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	6	29	16	3	ND	35
Acrylonitrile	N/A	----	----	----	----	----	----	----	----	----
Benzene	60	**170**	4	**260**	ND	9	22	ND	ND	ND
Bromobenzene	N/A	----	----	----	----	----	----	----	----	----
Bromochloromethane	N/A	----	----	----	----	----	----	----	----	----
Bromodichloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	760	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1,100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	370	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table No. 2 (Continued):
Soil Analytical Results for Volatile Organic Compounds via EPA Method 8260 Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-6: 9'-11'	ASR-6: 16'-20'	ASR-7: 9'-11'	ASR-7: 11'-16'	ASR-8: 1'-6'	ASR-8: 6'-11'	ASR-8: 11'-12'	ASR-9: 11'-13'	ASR-10: 11'-16'
Date Sampled	----	12/14/07	12/14/07	12/14/07	12/14/07	12/18/07	12/18/07	12/18/07	12/17/07	12/17/07
Volatiles List	µg/kg	----	----	----	----	----	----	----	----	----
Cis-1,2-Dichloroethylene	250	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,3-Dichloropropene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromoethane	N/A	----	----	----	----	----	----	----	----	----
Dibromomethane	N/A	----	----	----	----	----	----	----	----	----
Dichlorodifluoromethane	N/A	----	----	----	----	----	----	----	----	----
Ethyl benzene	1,000	430	ND	**55,000**	ND	540	280	ND	ND	ND
Hexachlorobutadiene	N/A	----	----	----	----	----	----	----	----	----
Isopropylbenzene	N/A	----	----	----	----	----	----	----	----	----
Methyl Ethyl Ketone	120	----	----	----	----	----	----	----	----	----
Methyl-tert-Butyl-Ether (MtBE)	930	----	----	----	----	----	----	----	----	----
Methylene Chloride	50	21	13	ND	3	3	3	7	6	7
Naphthalene	12,000	----	----	----	----	----	----	----	----	----
n-Butylbenzene	12,000	----	----	----	----	----	----	----	----	----
n-Propylbenzene	3,900	----	----	----	----	----	----	----	----	----
o-Xylene	260	----	----	----	----	----	----	----	----	----
p- & m- Xylenes	260	----	----	----	----	----	----	----	----	----
Xylenes (Total)	520	**1,700**	6	**520,000**	ND	**88,000**	**700**	ND	ND	ND
p-Isopropyltoluene	N/A	----	----	----	----	----	----	----	----	----
sec-Butylbenzene	11,000	----	----	----	----	----	----	----	----	----
Styrene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	----	----	----	----	----	----	----	----	----
Tetrachloroethylene	1,300	ND	ND	25	ND	ND	ND	ND	2	ND
Tetrahydrofuran (THF)	N/A	----	----	----	----	----	----	----	----	----
Toluene	700	74	2	**14,000**	ND	140	78	ND	ND	ND
Trans-1,2-Dichloroethene	190	----	----	----	----	----	----	----	----	----
Trans-1,3-Dichloropropene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,4-Dichloro2butene	N/A	----	----	----	----	----	----	----	----	----
Trichloroethene	470	ND	ND	ND	ND	ND	ND	ND	2	ND
Trichlorofluoromethane	N/A	----	----	----	----	----	----	----	----	----
Trichlorotrifluoroethane	N/A	----	----	----	----	----	----	----	----	----
Vinyl Acetate	N/A	----	----	----	----	----	----	----	----	----
Vinyl Chloride	20	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
µg/kg = parts per billion
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
---- = Not Reported by Laboratory
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives
BOLD Indicates Result Above Guidance Value

Table No. 2 (Continued):
Soil Analytical Results for Volatile Organic Compounds via EPA Method 8260 Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-11: 12'-14'	ASR-11: 12'-14' DUP	SB-1: 10'-12'	SB-1: 15'-20'	SB-1: 15'-20' DUP	SB-2: 10'-12'	SB-2: 12'-14'	SB-2: 16'-18'	SB-2: 18'-20'
Date Sampled	**----**	**01/15/08**	**01/15/08**	**12/13/07**	**12/13/07**	**12/13/07**	**12/10/07**	**12/10/07**	**12/10/07**	**12/10/07**
Volatiles List	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
1,1,1,2-Tetrachloroethane	N/A	----	----	----	----	----	----	----	----	----
1,1,1-Trichloroethane	680	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	270	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	330	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	N/A	----	----	----	----	----	----	----	----	----
1,2,3-Trichlorobenzene	N/A	----	----	----	----	----	----	----	----	----
1,2,3-Trichloropropane	N/A	----	----	----	----	----	----	----	----	----
1,2,4-Trichlorobenzene	N/A	----	----	----	----	----	----	----	----	----
1,2,4-Trimethylbenzene	3,600	----	----	----	----	----	----	----	----	----
1,2-Dibromo-3-chloropropane	N/A	----	----	----	----	----	----	----	----	----
1,2-Dibromoethane	N/A	----	----	----	----	----	----	----	----	----
1,2-Dichlorobenzene	1,100	----	----	----	----	----	----	----	----	----
1,2-Dichloroethane	20	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	----	----	----	----	----	----	----	----	----
1,3-Dichlorobenzene	2,400	----	----	----	----	----	----	----	----	----
1,3-Dichloropropane	N/A	----	----	----	----	----	----	----	----	----
1,4-Dichlorobenzene	1,800	----	----	----	----	----	----	----	----	----
2,2-Dichloropropane	N/A	----	----	----	----	----	----	----	----	----
2-Butanone	N/A	2	6	8	ND	ND	ND	ND	16	30
2-Chloroethylvinylether	N/A	----	----	----	----	----	----	----	----	----
2-Chlorotoluene	N/A	----	----	----	----	----	----	----	----	----
2-Hexanone	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Isopropyltoluene	N/A	----	----	----	----	----	----	----	----	----
4-Chlorotoluene	N/A	----	----	----	----	----	----	----	----	----
4-Isopropyltoluene	N/A	----	----	----	----	----	----	----	----	----
4-Methyl-2-pentanone	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	6	20	45	4	4	**69**	34	**62**	**130**
Acrylonitrile	N/A	----	----	----	----	----	----	----	----	----
Benzene	60	ND	ND	4	ND	ND	2	3	3	ND
Bromobenzene	N/A	----	----	----	----	----	----	----	----	----
Bromochloromethane	N/A	----	----	----	----	----	----	----	----	----
Bromodichloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	760	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1,100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	370	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table No. 2 (Continued):
Soil Analytical Results for Volatile Organic Compounds via EPA Method 8260 Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-11: 12'-14'	ASR-11: 12'-14' DUP	SB-1: 10'-12'	SB-1: 15'-20'	SB-1: 15'-20' DUP	SB-2: 10'-12'	SB-2: 12'-14'	SB-2: 16'-18'	SB-2: 18'-20'
Date Sampled	----	01/15/08	01/15/08	12/13/07	12/13/07	12/13/07	12/10/07	12/10/07	12/10/07	12/10/07
Volatiles List	µg/kg	----	----	----	----	----	----	----	----	----
Chloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethylene	250	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,3-Dichloropropene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromoethane	N/A	----	----	----	----	----	----	----	----	----
Dibromomethane	N/A	----	----	----	----	----	----	----	----	----
Dichlorodifluoromethane	N/A	----	----	----	----	----	----	----	----	----
Ethyl benzene	1,000	ND	ND	2	ND	ND	3	ND	ND	ND
Hexachlorobutadiene	N/A	----	----	----	----	----	----	----	----	----
Isopropylbenzene	N/A	----	----	----	----	----	----	----	----	----
Methyl Ethyl Ketone	120	----	----	----	----	----	----	----	----	----
Methyl-tert-Butyl-Ether (MtBE)	930	----	----	----	----	----	----	----	----	----
Methylene Chloride	50	6	5	11	10	10	7	7	10	11
Naphthalene	12,000	----	----	----	----	----	----	----	----	----
n-Butylbenzene	12,000	----	----	----	----	----	----	----	----	----
n-Propylbenzene	3,900	----	----	----	----	----	----	----	----	----
o-Xylene	260	----	----	----	----	----	----	----	----	----
p- & m- Xylenes	260	----	----	----	----	----	----	----	----	----
Xylenes (Total)	520	ND	ND	15	10	9	7	3	3	5
p-Isopropyltoluene	N/A	----	----	----	----	----	----	----	----	----
sec-Butylbenzene	11,000	----	----	----	----	----	----	----	----	----
Styrene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	----	----	----	----	----	----	----	----	----
Tetrachloroethylene	1,300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrahydrofuran (THF)	N/A	----	----	----	----	----	----	----	----	----
Toluene	700	ND	ND	9	5	4	2	ND	6	17
Trans-1,2-Dichloroethene	190	----	----	----	----	----	----	----	----	----
Trans-1,3-Dichloropropene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,4-Dichloro2butene	N/A	----	----	----	----	----	----	----	----	----
Trichloroethene	470	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	N/A	----	----	----	----	----	----	----	----	----
Trichlorotrifluoroethane	N/A	----	----	----	----	----	----	----	----	----
Vinyl Acetate	N/A	----	----	----	----	----	----	----	----	----
Vinyl Chloride	20	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
µg/kg = parts per billion
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
---- = Not Reported by Laboratory
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives
BOLD Indicates Result Above Guidance Value

Table No. 3: Soil Analytical Results for Volatile Organic Compounds via EPA Method 8260 Exceeding Guidance Values								
Client Sample ID	**Guidance Values**	**ASR-12: 0'-5'**	**ASR-12: 5'-10'**	**ASR-12: 10'-13.5'**	**ASR-13: 0'-5'**	**ASR-13: 5'-10'**	**ASR-13: 5'-10' DUP**	**ASR-13: 10'-14.5'**
Date Sampled	----	**10/30/09**	**10/30/09**	**10/30/09**	**10/30/09**	**10/30/09**	**10/30/09**	**10/30/09**
Volatiles List	**µg/kg**	----	----	----	----	----	----	----
1,1,1,2-	N/A	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	680	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-	N/A	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	N/A	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	270	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	330	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	N/A	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	N/A	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3,600	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	N/A	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	N/A	----	----	----	----	----	----	----
1,2-Dichlorobenzene	1,100	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	20	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	N/A	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	ND	1.0	ND	ND	ND	ND	19
1,3-Dichlorobenzene	2,400	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	N/A	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1,800	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	N/A	ND	ND	ND	ND	ND	ND	ND
2-Butanone	N/A	----	----	----	----	----	----	----
2-Chloroethylvinylether	N/A	----	----	----	----	----	----	----
2-Chlorotoluene	N/A	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	N/A	ND	ND	ND	ND	ND	ND	ND
2-Isopropyltoluene	N/A	ND	3.8	84	ND	ND	ND	58
4-Chlorotoluene	N/A	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	N/A	----	----	----	----	----	----	----
4-Methyl-2-pentanone	N/A	ND	ND	ND	ND	ND	ND	ND
Acetone	50	ND	**68**	ND	7.0	8.2	14	ND
Acrylonitrile	N/A	ND	ND	ND	ND	ND	ND	ND
Benzene	60	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	N/A	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	N/A	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	N/A	ND	ND	ND	ND	ND	ND	ND
Bromoform	N/A	ND	ND	ND	ND	ND	ND	ND
Bromomethane	N/A	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	N/A	ND	7.6	ND	ND	0.76	0.75	ND
Carbon Tetrachloride	760	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1,100	ND	ND	ND	ND	ND	ND	ND
Chloroethane	N/A	ND	ND	ND	ND	ND	ND	ND
Chloroform	370	ND	ND	ND	ND	ND	ND	ND

Table No. 3:
Soil Analytical Results for Volatile Organic Compounds via EPA Method 8260 Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-12: 0'-5'	ASR-12: 5'-10'	ASR-12: 10'-13.5'	ASR-13: 0'-5'	ASR-13: 5'-10'	ASR-13: 5'-10' DUP	ASR-13: 10'-14.5'
Date Sampled	**----**	**10/30/09**	**10/30/09**	**10/30/09**	**10/30/09**	**10/30/09**	**10/30/09**	**10/30/09**
Volatiles List	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Chloromethane	N/A	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-	250	ND	ND	ND	ND	ND	ND	ND
Cis-1,3-	N/A	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	N/A	ND	ND	ND	ND	ND	ND	ND
Dibromoethane	N/A	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	N/A	ND	ND	40	ND	ND	ND	ND
Dichlorodifluoromethan	N/A	ND	ND	ND	ND	ND	ND	ND
Ethyl benzene	1,000	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	N/A	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	N/A	ND	ND	66	ND	ND	ND	42
Methyl Ethyl Ketone	120	ND	23	ND	ND	ND	ND	ND
Methyl-tert-Butyl-Ether (MtBE)	930	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	50	0.76	1.2	**89**	1.1	0.72	ND	46
Naphthalene	12,000	ND	ND	ND	ND	ND	ND	57
n-Butylbenzene	12,000	ND	ND	130	ND	ND	ND	93
n-Propylbenzene	3,900	ND	ND	81	ND	ND	ND	49
o-Xylene	260	ND	ND	ND	ND	ND	ND	ND
p- & m- Xylenes	260	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	520	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	N/A	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11,000	ND	ND	210	ND	ND	ND	120
Styrene	N/A	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	1,300	ND	ND	ND	ND	ND	ND	ND
Tetrahydrofuran (THF)	N/A	ND	ND	ND	ND	ND	ND	ND
Toluene	700	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-	190	ND	ND	ND	ND	ND	ND	ND
Trans-1,3-	N/A	ND	ND	ND	ND	ND	ND	ND
Trans-1,4-	N/A	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	470	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	N/A	ND	ND	ND	ND	ND	ND	ND
Trichlorotrifluoroethane	N/A	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	N/A	----	----	----	----	----	----	----
Vinyl Chloride	20	ND	ND	ND	ND	ND	ND	ND

Notes:
µg/kg = parts per billion
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
---- = Not Reported by Laboratory
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives
BOLD Indicates Result Above Guidance Value

Table No. 3 (Continued): Soil Analytical Results for Volatile Organic Compounds via EPA Method 8260 Exceeding Guidance Values								
Client Sample ID	**Guidance Values**	**ASR-14: 7.5'-10'**	**ASR-14: 10'-12.5'**	**ASR-14: 17.5'-20'**	**ASR-14: 20'-22.5'**	**ASR-14: 27.5'-30'**	**ASR-15: 7.5'-10'**	**ASR-15: 15'-17.5'**
Date Sampled	----	**10/29/09**	**10/29/09**	**10/29/09**	**10/29/09**	**10/29/09**	**10/29/09**	**10/29/09**
Volatiles List	**µg/kg**	----	----	----	----	----	----	----
1,1,1,2-Tetrachloroethane	N/A	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	680	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	N/A	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	N/A	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	270	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	330	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	N/A	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	N/A	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3,600	9.0	**32,000**	ND	8.8	ND	ND	ND
1,2-Dibromo-3-chloropropane	N/A	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	N/A	----	----	----	----	----	----	----
1,2-Dichlorobenzene	1,100	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	20	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	N/A	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	3.7	8,400	ND	2.6	ND	ND	ND
1,3-Dichlorobenzene	2,400	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	N/A	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1,800	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	N/A	ND	ND	ND	ND	ND	ND	ND
2-Butanone	N/A	----	----	----	----	----	----	----
2-Chloroethylvinylether	N/A	----	----	----	----	----	----	----
2-Chlorotoluene	N/A	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	N/A	ND	ND	ND	ND	ND	ND	ND
2-Isopropyltoluene	N/A	1.1	270	ND	4.3	ND	5.0	ND
4-Chlorotoluene	N/A	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	N/A	----	----	----	----	----	----	----
4-Methyl-2-pentanone	N/A	ND	ND	1.5	ND	ND	ND	ND
Acetone	50	11	ND	7.6	ND	ND	29	30
Acrylonitrile	N/A	ND	ND	ND	ND	ND	ND	ND
Benzene	60	ND	ND	ND	ND	ND	0.87	ND
Bromobenzene	N/A	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	N/A	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	N/A	ND	ND	ND	ND	ND	ND	ND
Bromoform	N/A	ND	ND	ND	ND	ND	ND	ND
Bromomethane	N/A	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	N/A	2.3	ND	ND	1.4	ND	4.2	2.8
Carbon Tetrachloride	760	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1,100	ND	ND	ND	ND	ND	ND	ND
Chloroethane	N/A	ND	ND	ND	ND	ND	ND	ND
Chloroform	370	ND	ND	ND	ND	ND	ND	ND

Table No. 3 (Continued):
Soil Analytical Results for Volatile Organic Compounds via EPA Method 8260 Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-14: 7.5'-10'	ASR-14: 10'-12.5'	ASR-14: 17.5'-20'	ASR-14: 20'-22.5'	ASR-14: 27.5'-30'	ASR-15: 7.5'-10'	ASR-15: 15'-17.5'
Date Sampled	**----**	**10/29/09**	**10/29/09**	**10/29/09**	**10/29/09**	**10/29/09**	**10/29/09**	**10/29/09**
Volatiles List	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Chloromethane	N/A	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethylene	250	ND	ND	ND	ND	ND	ND	ND
Cis-1,3-Dichloropropene	N/A	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	N/A	ND	ND	ND	ND	ND	ND	ND
Dibromoethane	N/A	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	N/A	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	N/A	ND	ND	ND	ND	ND	ND	ND
Ethyl benzene	1,000	19	**3,700**	ND	ND	ND	ND	ND
Hexachlorobutadiene	N/A	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	N/A	10	5,800	ND	2.3	ND	ND	ND
Methyl Ethyl Ketone	120	ND	ND	ND	ND	ND	8.0	ND
Methyl-tert-Butyl-Ether (MtBE)	930	1.2	ND	ND	ND	ND	2.4	ND
Methylene Chloride	50	0.72	**180**	ND	1.0	ND	1.3	1.2
Naphthalene	12,000	14	**14,000**	1.6	7.0	ND	3.5	ND
n-Butylbenzene	12,000	5.8	**7,000**	ND	4.0	ND	ND	ND
n-Propylbenzene	3,900	21	**21,000**	ND	7.8	ND	ND	ND
o-Xylene	260	ND	**440**	ND	ND	ND	ND	ND
p- & m- Xylenes	260	4.2	**2,100**	ND	ND	ND	ND	ND
Xylenes (Total)	520	4.7	**2,500**	ND	ND	ND	ND	ND
p-Isopropyltoluene	N/A	ND	830	ND	ND	ND	ND	ND
sec-Butylbenzene	11,000	4.7	2,600	ND	1.7	ND	ND	ND
Styrene	N/A	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	ND	98	ND	ND	ND	ND	ND
Tetrachloroethylene	1,300	ND	ND	ND	ND	ND	ND	ND
Tetrahydrofuran (THF)	N/A	ND	ND	ND	ND	ND	ND	ND
Toluene	700	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-Dichloroethene	190	ND	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	N/A	ND	ND	ND	ND	ND	ND	ND
Trans-1,4-Dichloro2butene	N/A	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	470	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	N/A	ND	ND	ND	ND	ND	ND	ND
Trichlorotrifluoroethane	N/A	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	N/A	----	----	----	----	----	----	----
Vinyl Chloride	20	ND	ND	ND	ND	ND	ND	ND

Notes:
µg/kg = parts per billion
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
---- = Not Reported by Laboratory
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives
BOLD Indicates Result Above Guidance Value

Table No. 3 (Continued): Soil Analytical Results for Volatile Organic Compounds via EPA Method 8260 Exceeding Guidance Values									
Client Sample ID	**Guidance Values**	**ASR-16: 0'-2.5'**	**ASR-16: 7.5'-10'**	**ASR-16: 10'-12.5'**	**ASR-16: 17.5'-20'**	**ASR-16: 20'-22.5'**	**ASR-16: 25'-27.5'**	**ASR-17: 7.5'-10'**	**ASR-17: 15'-17.5'**
Date Sampled	**----**	**11/03/09**	**11/03/09**	**11/03/09**	**11/03/09**	**11/03/09**	**11/03/09**	**11/03/09**	**11/03/09**
Volatiles List	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
1,1,1,2-Tetrachloroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	680	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	270	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	330	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3,600	ND	ND	970	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	N/A	----	----	----	----	----	----	----	----
1,2-Dichlorobenzene	1,100	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	20	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2,400	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1,800	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	N/A	----	----	----	----	----	----	----	----
2-Chloroethylvinylether	N/A	----	----	----	----	----	----	----	----
2-Chlorotoluene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Isopropyltoluene	N/A	ND	ND	110	ND	ND	ND	ND	ND
4-Chlorotoluene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	N/A	----	----	----	----	----	----	----	----
4-Methyl-2-pentanone	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	5.4	ND	ND	ND	ND	ND	ND	7.4
Acrylonitrile	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	60	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	760	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1,100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	370	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethylene	250	ND	3.2	130	ND	ND	ND	2.1	ND

Table No. 3 (Continued):
Soil Analytical Results for Volatile Organic Compounds via EPA Method 8260 Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-16: 0'-2.5'	ASR-16: 7.5'-10'	ASR-16: 10'-12.5'	ASR-16: 17.5'-20'	ASR-16: 20'-22.5'	ASR-16: 25'-27.5'	ASR-17: 7.5'-10'	ASR-17: 15'-17.5'
Date Sampled	----	11/03/09	11/03/09	11/03/09	11/03/09	11/03/09	11/03/09	11/03/09	11/03/09
Volatiles List	µg/kg	----	----	----	----	----	----	----	----
Cis-1,3-Dichloropropene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Dibromoethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl benzene	1,000	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	N/A	ND	ND	160	ND	ND	ND	ND	ND
Methyl Ethyl Ketone	120	ND	ND	ND	ND	ND	ND	ND	ND
Methyl-tert-Butyl-Ether (MtBE)	930	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	50	0.71	0.95	**200**	ND	1.1	2.1	0.82	1.4
Naphthalene	12,000	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	12,000	ND	ND	700	ND	ND	ND	ND	ND
n-Propylbenzene	3,900	ND	ND	120	ND	ND	ND	ND	ND
o-Xylene	260	ND	ND	ND	ND	ND	ND	ND	ND
p- & m- Xylenes	260	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	520	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	N/A	ND	ND	72	ND	ND	ND	ND	ND
sec-Butylbenzene	11,000	ND	ND	430	ND	ND	ND	ND	ND
Styrene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	1,300	**5,800**	540	ND	1.1	1.2	ND	**2,400**	ND
Tetrahydrofuran (THF)	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	700	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-Dichloroethene	190	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,4-Dichloro2butene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	470	1.2	0.95	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorotrifluoroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	N/A	----	----	----	----	----	----	----	----
Vinyl Chloride	20	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
µg/kg = parts per billion
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
---- = Not Reported by Laboratory
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives
BOLD Indicates Result Above Guidance Value

Table No. 3 (Continued): Soil Analytical Results for Volatile Organic Compounds via EPA Method 8260 Exceeding Guidance Values										
Client Sample ID	**Guidance Values**	**ASR-18: 2.5'-5'**	**ASR-18: 7.5'-10'**	**ASR-18: 12.5'-15'**	**ASR-18: 12.5'-15' DUP**	**ASR-18: 15'-17.5'**	**ASR-19: 0'-2.5'**	**ASR-19: 5'-7.5'**	**ASR-19: 10'-12.5'**	**ASR-19: 17.5'-20'**
Date Sampled	----	**11/05/09**	**11/05/09**	**11/05/09**	**11/05/09**	**11/05/09**	**11/05/09**	**11/05/09**	**11/05/09**	**11/05/09**
Volatiles List	**µg/kg**	----	----	----	----	----	----	----	----	----
1,1,1,2-Tetrachloroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	680	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	270	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	330	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3,600	0.82	**170,000**	3.3	10	17	0.64	**7,800**	3.0	ND
1,2-Dibromo-3-chloropropane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	N/A	----	----	----	----	----	----	----	----	----
1,2-Dichlorobenzene	1,100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	20	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	ND	**53,000**	1.1	3.4	5.2	ND	2,200	ND	ND
1,3-Dichlorobenzene	2,400	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1,800	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	N/A	----	----	----	----	----	----	----	----	----
2-Chloroethylvinylether	N/A	----	----	----	----	----	----	----	----	----
2-Chlorotoluene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Isopropyltoluene	N/A	ND	12,000	ND	ND	1.5	ND	940	9.7	ND
4-Chlorotoluene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	N/A	----	----	----	----	----	----	----	----	----
4-Methyl-2-pentanone	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	25	32	16	14	ND	ND	16
Acrylonitrile	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	60	ND	ND	3.4	3.7	ND	ND	ND	2.5	ND
Bromobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	N/A	ND	ND	ND	ND	ND	ND	ND	3.4	1.3
Carbon Tetrachloride	760	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1,100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	370	ND	ND	0.80	ND	2.2	ND	ND	ND	0.98
Chloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table No. 3 (Continued):
Soil Analytical Results for Volatile Organic Compounds via EPA Method 8260 Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-18: 2.5'-5'	ASR-18: 7.5'-10'	ASR-18: 12.5'-15'	ASR-18: 12.5'-15' DUP	ASR-18: 15'-17.5'	ASR-19: 0'-2.5'	ASR-19: 5'-7.5'	ASR-19: 10'-12.5'	ASR-19: 17.5'-20'
Date Sampled	----	**11/05/09**	**11/05/09**	**11/05/09**	**11/05/09**	**11/05/09**	**11/05/09**	**11/05/09**	**11/05/09**	**11/05/09**
Volatiles List	**µg/kg**	----	----	----	----	----	----	----	----	----
Cis-1,2-Dichloroethylene	250	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,3-Dichloropropene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromoethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl benzene	1,000	ND	**52,000**	1.7	3.0	4.2	ND	ND	ND	ND
Hexachlorobutadiene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	N/A	ND	8,900	1.1	2.8	ND	ND	2,900	6.1	ND
Methyl Ethyl Ketone	120	ND	ND	10	ND	ND	ND	ND	ND	ND
Methyl-tert-Butyl-Ether (MtBE)	930	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	50	0.87	**290**	1.6	2.4	3.8	1.4	ND	3.5	1.8
Naphthalene	12,000	ND	**20,000**	ND	1.6	2.4	2.4	1,400	ND	ND
n-Butylbenzene	12,000	ND	8,800	ND	0.98	ND	ND	7,400	7.6	ND
n-Propylbenzene	3,900	ND	**33,000**	1.5	4.6	3.8	ND	**21,000**	18	ND
o-Xylene	260	ND	**1,300**	ND	ND	ND	ND	ND	ND	ND
p- & m- Xylenes	260	ND	**57,000**	2.2	4.1	6.1	ND	ND	3.3	ND
Xylenes (Total)	520	----	----	----	----	----	----	----	ND	ND
p-Isopropyltoluene	N/A	ND	ND	ND	ND	ND	ND	1,700	ND	ND
sec-Butylbenzene	11,000	ND	ND	ND	1.0	ND	ND	4,500	12	ND
Styrene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	ND	ND	ND	ND	ND	ND	ND	2.6	ND
Tetrachloroethylene	1,300	1.3	ND	ND	ND	ND	0.78	ND	ND	ND
Tetrahydrofuran (THF)	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	700	0.90	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-Dichloroethene	190	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,4-Dichloro2butene	N/A	ND	5,700	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	470	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorotrifluoroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	N/A	----	----	----	----	----	----	----	----	----
Vinyl Chloride	20	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
µg/kg = parts per billion
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
---- = Not Reported by Laboratory
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives
BOLD Indicates Result Above Guidance Value

Table No. 3 (Continued): Soil Analytical Results for Volatile Organic Compounds via EPA Method 8260 Exceeding Guidance Values								
Client Sample ID	**Guidance Values**	**SB-3: 12.5'-15'**	**SB-3: 15'-20'**	**SB-3: 15'-20' DUP**	**SB-4: 2.5'-5'**	**SB-4: 7.5'-10'**	**SB-4: 10'-12.5'**	**SB-4: 15'-17.5'**
Date Sampled	----	**10/26/09**	**10/26/09**	**10/26/09**	**10/26/09**	**10/26/09**	**10/26/09**	**10/26/09**
Volatiles List	**µg/kg**	----	----	----	----	----	----	----
1,1,1,2-Tetrachloroethane	N/A	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	680	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	N/A	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	N/A	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	270	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	330	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	N/A	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	N/A	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3,600	7.2	ND	ND	1.7	37	**260,000**	67
1,2-Dibromo-3-chloropropane	N/A	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	N/A	----	----	----	----	----	----	----
1,2-Dichlorobenzene	1,100	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	20	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	N/A	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	1.2	ND	ND	ND	5.0	**78,000**	20
1,3-Dichlorobenzene	2,400	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	N/A	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1,800	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	N/A	ND	ND	ND	ND	ND	ND	ND
2-Butanone	N/A	----	----	----	----	----	----	----
2-Chloroethylvinylether	N/A	----	----	----	----	----	----	----
2-Chlorotoluene	N/A	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	N/A	ND	ND	ND	ND	ND	ND	ND
2-Isopropyltoluene	N/A	ND	ND	ND	ND	ND	**600**	ND
4-Chlorotoluene	N/A	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	N/A	----	----	----	----	----	----	----
4-Methyl-2-pentanone	N/A	ND	ND	ND	ND	ND	ND	ND
Acetone	50	20	42	**65**	ND	21	ND	**85**
Acrylonitrile	N/A	ND	ND	ND	ND	ND	ND	ND
Benzene	60	4.6	ND	1.7	ND	2.8	**380**	ND
Bromobenzene	N/A	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	N/A	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	N/A	ND	ND	ND	ND	ND	ND	ND
Bromoform	N/A	ND	ND	ND	ND	ND	ND	ND
Bromomethane	N/A	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	N/A	2.0	1.5	1.8	ND	ND	ND	1.6
Carbon Tetrachloride	760	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1,100	ND	ND	ND	ND	ND	ND	ND
Chloroethane	N/A	ND	ND	ND	ND	ND	ND	ND
Chloroform	370	ND	ND	ND	ND	ND	ND	ND
Chloromethane	N/A	ND	ND	ND	ND	ND	ND	ND

Table No. 3 (Continued):
Soil Analytical Results for Volatile Organic Compounds via EPA Method 8260 Exceeding Guidance Values

Client Sample ID	Guidance Values	SB-3: 12.5'-15'	SB-3: 15'-20'	SB-3: 15'-20' DUP	SB-4: 2.5'-5'	SB-4: 7.5'-10'	SB-4: 10'-12.5'	SB-4: 15'-17.5'
Date Sampled	**----**	**10/26/09**	**10/26/09**	**10/26/09**	**10/26/09**	**10/26/09**	**10/26/09**	**10/26/09**
Volatiles List	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Cis-1,2-Dichloroethylene	250	ND	ND	ND	ND	ND	ND	ND
Cis-1,3-Dichloropropene	N/A	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	N/A	ND	ND	ND	ND	ND	ND	ND
Dibromoethane	N/A	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	N/A	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	N/A	ND	ND	ND	ND	ND	ND	ND
Ethyl benzene	1,000	2.7	ND	ND	ND	14	**60,000**	13
Hexachlorobutadiene	N/A	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	N/A	ND	ND	ND	ND	2.3	15,000	8.4
Methyl Ethyl Ketone	120	8.3	13	20	ND	ND	ND	ND
Methyl-tert-Butyl-Ether (MtBE)	930	1.9	2.0	1.4	ND	ND	ND	ND
Methylene Chloride	50	3.2	2.4	2.4	0.93	0.68	**560**	2.6
Naphthalene	12,000	3.4	ND	ND	3.7	6.8	**28,000**	6.6
n-Butylbenzene	12,000	ND	ND	ND	ND	1.2	**12,000**	5.3
n-Propylbenzene	3,900	2.3	ND	ND	ND	5.1	**40,000**	20
o-Xylene	260	ND	ND	ND	ND	2.2	**53,000**	4.3
p- & m- Xylenes	260	4.5	ND	ND	ND	16	**170,000**	27
Xylenes (Total)	520	4.5	ND	ND	ND	18	**220,000**	31
p-Isopropyltoluene	N/A	ND	ND	ND	ND	ND	2,200	0.92
sec-Butylbenzene	11,000	ND	ND	ND	ND	0.62	5,100	2.8
Styrene	N/A	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	1,300	ND	ND	ND	ND	ND	ND	ND
Tetrahydrofuran (THF)	N/A	ND	ND	ND	ND	ND	ND	ND
Toluene	700	4.2	ND	ND	ND	ND	**1,700**	0.93
Trans-1,2-Dichloroethene	190	ND	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	N/A	ND	ND	ND	ND	ND	ND	ND
Trans-1,4-Dichloro2butene	N/A	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	470	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	N/A	ND	ND	ND	ND	ND	ND	ND
Trichlorotrifluoroethane	N/A	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	N/A	----	----	----	----	----	----	----
Vinyl Chloride	20	ND	ND	ND	ND	ND	ND	ND

Notes:
µg/kg = parts per billion
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
---- = Not Reported by Laboratory
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives
BOLD Indicates Result Above Guidance Value

Table No. 3 (Continued):
Soil Analytical Results for Volatile Organic Compounds via EPA Method 8260 Exceeding Guidance Values

Client Sample ID	Guidance Values	SB-5: 2.5'-5'	SB-5: 7.5'-10'	SB-5: 10'-12.5'	SB-5: 15'-17.5'	SB-6: 7.5'-10'	SB-7: 7.5'-10'	SB-7: 10'-12.5'	SB-7: 12.5'-15'
Date Sampled	----	**10/26/09**	**10/26/09**	**10/26/09**	**10/26/09**	**10/27/09**	**10/27/09**	**10/27/09**	**10/27/09**
Volatiles List	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
1,1,1,2-Tetrachloroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	680	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	270	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	330	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3,600	150	**7,100**	**21,000**	300	ND	ND	ND	3.4
1,2-Dibromo-3-chloropropane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	N/A	----	----	----	----	----	----	----	----
1,2-Dichlorobenzene	1,100	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	20	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	96	2,000	6,200	95	ND	ND	ND	0.64
1,3-Dichlorobenzene	2,400	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1,800	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	N/A	----	----	----	----	----	----	----	----
2-Chloroethylvinylether	N/A	----	----	----	----	----	----	----	----
2-Chlorotoluene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Isopropyltoluene	N/A	ND	ND	59	0.87	ND	ND	ND	ND
4-Chlorotoluene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	N/A	----	----	----	----	----	----	----	----
4-Methyl-2-pentanone	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND	5.3	ND
Acrylonitrile	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	60	**180**	**260**	ND	1.3	ND	ND	6.3	7.5
Bromobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	N/A	ND	ND	ND	2.0	ND	ND	1.3	4.6
Carbon Tetrachloride	760	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1,100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	370	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND

Table No. 3 (Continued):
Soil Analytical Results for Volatile Organic Compounds via EPA Method 8260 Exceeding Guidance Values

Client Sample ID	Guidance Values	SB-5: 2.5'-5'	SB-5: 7.5'-10'	SB-5: 10'-12.5'	SB-5: 15'-17.5'	SB-6: 7.5'-10'	SB-7: 7.5'-10'	SB-7: 10'-12.5'	SB-7: 12.5'-15'
Date Sampled	**----**	**10/26/09**	**10/26/09**	**10/26/09**	**10/26/09**	**10/27/09**	**10/27/09**	**10/27/09**	**10/27/09**
Volatiles List	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Cis-1,2-Dichloroethylene	250	ND	ND	ND	ND	ND	ND	15	4.4
Cis-1,3-Dichloropropene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Dibromoethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl benzene	1,000	240	**2,400**	**3,600**	74	ND	ND	ND	1.4
Hexachlorobutadiene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	N/A	56	480	1,600	24	ND	ND	ND	1.2
Methyl Ethyl Ketone	120	ND	ND	ND	ND	ND	ND	ND	ND
Methyl-tert-Butyl-Ether (MtBE)	930	ND	150	ND	ND	ND	ND	2.1	2.2
Methylene Chloride	50	**98**	**92**	**110**	1.0	1.8	1.0	1.8	1.4
Naphthalene	12,000	ND	1,100	1,600	45	ND	ND	ND	2.0
n-Butylbenzene	12,000	ND	440	1,300	16	ND	ND	ND	ND
n-Propylbenzene	3,900	85	1,500	**4,000**	54	ND	ND	ND	1.9
o-Xylene	260	ND	**2,200**	**4,600**	100	ND	ND	ND	ND
p- & m- Xylenes	260	**380**	**8,000**	**13,000**	240	ND	ND	ND	2.9
Xylenes (Total)	520	380	**10,000**	**18,000**	340	ND	ND	ND	2.9
p-Isopropyltoluene	N/A	ND	ND	230	3.2	ND	ND	ND	ND
sec-Butylbenzene	11,000	ND	ND	560	7.2	ND	ND	1.3	2.8
Styrene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	ND	ND	ND	ND	ND	ND	ND	0.82
Tetrachloroethylene	1,300	ND	ND	ND	ND	18	12	32	13
Tetrahydrofuran (THF)	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	700	78	**2,000**	460	16	ND	ND	0.90	1.1
Trans-1,2-Dichloroethene	190	ND	ND	ND	ND	ND	ND	1.0	ND
Trans-1,3-Dichloropropene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,4-Dichloro2butene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	470	ND	ND	ND	ND	ND	ND	18	2.7
Trichlorofluoromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorotrifluoroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	N/A	----	----	----	----	----	----	----	----
Vinyl Chloride	20	ND	ND	ND	ND	ND	ND	2.3	ND

Notes:
µg/kg = parts per billion
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
---- = Not Reported by Laboratory
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives
BOLD Indicates Result Above Guidance Value

Table No. 3 (Continued): Soil Analytical Results for Volatile Organic Compounds via EPA Method 8260 Exceeding Guidance Values									
Client Sample ID	**Guidance Values**	**SB-8: 2.5'-5'**	**SB-8: 5'-10'**	**SB-8: 10'-12.5'**	**SB-8: 17.5'-20'**	**SB-9: 7.5'-10'**	**SB-9: 10'-12.5'**	**SB-9: 15'-17.5'**	**SB-9: 15'-17.5' DUP**
Date Sampled	**----**	**10/27/09**	**10/27/09**	**10/27/09**	**10/27/09**	**10/27/09**	**10/27/09**	**10/27/09**	**10/27/09**
Volatiles List	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
1,1,1,2-Tetrachloroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	680	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	270	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	330	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3,600	ND	**27,000**	**24,000**	17	92	28	2.2	1.2
1,2-Dibromo-3-chloropropane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	N/A	----	----	----	----	----	----	----	----
1,2-Dichlorobenzene	1,100	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	20	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	ND	1,400	4,700	3.6	25	6.2	0.77	0.86
1,3-Dichlorobenzene	2,400	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1,800	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	N/A	----	----	----	----	----	----	----	----
2-Chloroethylvinylether	N/A	----	----	----	----	----	----	----	----
2-Chlorotoluene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Isopropyltoluene	N/A	ND	ND	3,600	ND	0.88	3.8	1.0	3.2
4-Chlorotoluene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	N/A	----	----	----	----	----	----	----	----
4-Methyl-2-pentanone	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	**110**	ND	ND	ND	ND
Acrylonitrile	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	60	ND	ND	**97**	**180**	3.7	13	3.9	24
Bromobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	N/A	ND	ND	ND	3.0	1.8	1.3	1.6	1.8
Carbon Tetrachloride	760	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1,100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	370	ND	ND	ND	ND	0.76	ND	ND	ND
Chloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND

Table No. 3 (Continued):
Soil Analytical Results for Volatile Organic Compounds via EPA Method 8260 Exceeding Guidance Values

Client Sample ID	Guidance Values	SB-8: 2.5'-5'	SB-8: 5'-10'	SB-8: 10'-12.5'	SB-8: 17.5'-20'	SB-9: 7.5'-10'	SB-9: 10'-12.5'	SB-9: 15'-17.5'	SB-9: 15'-17.5' DUP
Date Sampled	**----**	**10/27/09**	**10/27/09**	**10/27/09**	**10/27/09**	**10/27/09**	**10/27/09**	**10/27/09**	**10/27/09**
Volatiles List	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Cis-1,2-Dichloroethylene	250	28	**1,400**	**8,600**	7.7	ND	15	46	ND
Cis-1,3-Dichloropropene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Dibromoethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl benzene	1,000	ND	590	**9,300**	59	9.8	6.4	0.86	0.95
Hexachlorobutadiene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	N/A	ND	1,000	1,700	27	8.0	23	30	72
Methyl Ethyl Ketone	120	ND	ND	ND	40	ND	ND	ND	ND
Methyl-tert-Butyl-Ether (MtBE)	930	ND	ND	ND	ND	9.8	4.0	ND	ND
Methylene Chloride	50	0.96	**520**	**83**	3.3	1.6	2.1	6.7	ND
Naphthalene	12,000	ND	590	2,000	6.9	25	ND	5.7	3.4
n-Butylbenzene	12,000	ND	1,900	2,500	ND	13	26	2.1	5.6
n-Propylbenzene	3,900	ND	**4,500**	**5,600**	16	22	50	68	140
o-Xylene	260	ND	ND	**440**	9.4	2.5	ND	ND	ND
p- & m- Xylenes	260	ND	**830**	**2,600**	84	9.8	9.8	3.0	5.3
Xylenes (Total)	520	ND	**830**	**3,000**	93	12	9.8	3.0	5.3
p-Isopropyltoluene	N/A	ND	800	1,200	ND	4.2	0.99	0.66	1.2
sec-Butylbenzene	11,000	ND	770	990	ND	6.8	15	3.9	12
Styrene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	ND	ND	ND	ND	ND	1.1	ND	1.1
Tetrachloroethylene	1,300	**120,000**	**80,000**	**8,800**	16	3.1	1.4	3.1	ND
Tetrahydrofuran (THF)	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	700	ND	ND	83	5.2	10	ND	ND	ND
Trans-1,2-Dichloroethene	190	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,4-Dichloro2butene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	470	24	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorotrifluoroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	N/A	----	----	----	----	----	----	----	----
Vinyl Chloride	20	ND	ND	**2,400**	ND	ND	2.4	ND	ND

Notes:
µg/kg = parts per billion
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
---- = Not Reported by Laboratory
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives
BOLD Indicates Result Above Guidance Value

Table No. 4: Soil Analytical Results for Volatile Organic Compounds via EPA Method 8260 Exceeding Guidance Values										
Client Sample ID	**Guidance Values**	**ASR-20: 7.5'-10'**	**ASR-20: 10'-12'**	**ASR-20: 12'-14'**	**ASR-21: 7.5'-10'**	**ASR-21: 12.5'-15'**	**ASR-22: 5'-7.5'**	**ASR-22: 10'-12.5'**	**ASR-22: 12.5'-15'**	**ASR-22: 12.5'-15' DUP**
Date Sampled	**----**	**03/22/11**	**03/22/11**	**03/22/11**	**03/23/11**	**03/23/11**	**03/23/11**	**03/23/11**	**03/23/11**	**03/23/11**
Volatiles List	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
1,1,1,2-Tetrachloroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	680	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	270	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	330	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3,600	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1,100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	20	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2,400	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1,800	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	N/A	ND	ND	ND	ND	35.7	ND	10.6	7.13	8.1
2-Chloroethylvinylether	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Isopropyltoluene	N/A	----	----	----	----	----	----	----	----	----
4-Chlorotoluene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	**159**	32.6	**66.4**	**64.7**	**53.4**
Acrylonitrile	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	60	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	760	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1,100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	370	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table No. 4:
Soil Analytical Results for Volatile Organic Compounds via EPA Method 8260 Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-20: 7.5'-10'	ASR-20: 10'-12'	ASR-20: 12'-14'	ASR-21: 7.5'-10'	ASR-21: 12.5'-15'	ASR-22: 5'-7.5'	ASR-22: 10'-12.5'	ASR-22: 12.5'-15'	ASR-22: 12.5'-15' DUP
Date Sampled	----	03/22/11	03/22/11	03/22/11	03/23/11	03/23/11	03/23/11	03/23/11	03/23/11	03/23/11
Volatiles List	µg/kg	----	----	----	----	----	----	----	----	----
Cis-1,2-Dichloroethylene	250	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,3-Dichloropropene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromoethane	N/A	----	----	----	----	----	----	----	----	----
Dibromomethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl benzene	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Ethyl Ketone	120	----	----	----	----	----	----	----	----	----
Methyl-tert-Butyl-Ether (MtBE)	930	ND	ND	ND	ND	6.36	ND	ND	ND	ND
Methylene Chloride	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	12,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	3,900	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	260	ND	ND	ND	ND	ND	ND	ND	ND	ND
p- & m- Xylenes	260	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	520	----	----	----	----	----	----	----	----	----
p-Isopropyltoluene	N/A	----	----	----	----	----	----	----	----	----
sec-Butylbenzene	11,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	1,300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrahydrofuran (THF)	N/A	----	----	----	----	----	----	----	----	----
Toluene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-Dichloroethene	190	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,4-Dichloro2butene	N/A									
Trichloroethene	470	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorotrifluoroethane	N/A	----	----	----	----	----	----	----	----	----
Vinyl Acetate	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	20	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
µg/kg = parts per billion
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
---- = Not Reported by Laboratory
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives
BOLD Indicates Result Above Guidance Value

Table No. 5: Soil Analytical Results for Semi-Volatile Organic Compounds via EPA Method 8270 Exceeding Guidance Values									
Client Sample ID	**Guidance Values**	**ASR-4: 10'-12'**	**ASR-4: 12'-14'**	**ASR-4: 14'-16'**	**ASR-4: 16'-18'**	**ASR-4: 18'-20'**	**ASR-5: 8'-10'**	**ASR-5: 11'-13'**	**ASR-5: 14'-16'**
Date Sampled	**----**	**12/10/07**	**12/10/07**	**12/10/07**	**12/10/07**	**12/10/07**	**12/11/07**	**12/11/07**	**12/11/07**
Semi-Volatiles List	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
1,2,4-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	N/A	2,200	200	ND	ND	ND	14,000	910	ND
2-Methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	N/A	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100,000	ND	ND	ND	ND	ND	ND	ND	ND
Aniline	N/A	----	----	----	----	----	----	----	----
Anthracene	100,000	ND	ND	ND	ND	ND	ND	ND	ND
Benzo [a] Anthracene	1,000	120	ND	ND	ND	ND	ND	ND	ND
Benzo [a] Pyrene	1,000	110	ND	ND	ND	ND	ND	ND	ND
Benzo [b] Fluoranthene	1,000	ND	ND	ND	ND	ND	ND	ND	ND
Benzo [g,h,i] Perylene	100,000	ND	ND	ND	ND	ND	ND	ND	ND
Benzo [k] Fluoranthene	800	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	N/A	----	----	----	----	----	----	----	----
Benzyl butyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy) methane	N/A	ND	ND	ND	ND	ND	ND	ND	ND

Table No. 5:
Soil Analytical Results for Semi-Volatile Organic Compounds via EPA Method 8270 Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-4: 10'-12'	ASR-4: 12'-14'	ASR-4: 14'-16'	ASR-4: 16'-18'	ASR-4: 18'-20'	ASR-5: 8'-10'	ASR-5: 11'-13'	ASR-5: 14'-16'
Date Sampled	**----**	**12/10/07**	**12/10/07**	**12/10/07**	**12/10/07**	**12/10/07**	**12/11/07**	**12/11/07**	**12/11/07**
Semi-Volatiles List	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Bis(2-chloroethyl)ether	N/A	----	----	----	----	----	----	----	----
Bis(2-chloroisopropyl) ether	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylexyl)phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	1,000	100	ND	ND	ND	ND	ND	ND	ND
Dibenzo [a,h] Anthracene	330	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo furan	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100,000	230	ND	ND	ND	ND	ND	97	ND
Fluorene	30,000	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	330	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclpentadiene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Indeno [1,2,3-cd] Pyrene	500	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12,000	2,800	310	ND	ND	ND	**17,000**	1,400	ND
Nitrobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	N/A	----	----	----	----	----	----	----	----
N-Nitroso-di-n-Propylamine	N/A	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	800	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100,000	240	ND	ND	ND	ND	ND	ND	ND
Phenol	330	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	100,000	230	ND	ND	ND	ND	ND	110	ND
Pyridine	N/A	----	----	----	----	----	----	----	----

Notes:
µg/kg = parts per billion
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
---- = Not Reported by Laboratory
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives
BOLD Indicates Result Above Guidance Value

Table No. 5 (Continued):
Soil Analytical Results for Semi-Volatile Organic Compounds via EPA Method 8270 Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-6: 9'-11'	ASR-6: 16'-20'	ASR-7: 9'-11'	ASR-8: 1'-6'	ASR-8: 6'-11'	ASR-8: 11'-12'	ASR-9: 11'-13'	ASR-10: 11'-16'
Date Sampled	----	12/14/07	12/14/07	12/14/07	12/18/07	12/18/07	12/18/07	12/17/07	12/17/07
Semi-Volatiles List	µg/kg	----	----	----	----	----	----	----	----
1,2,4-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	N/A	180	ND	17,000	2,900	330	ND	ND	ND
2-Methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	N/A	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	110	ND	ND	ND	500	ND	ND	ND
Acenaphthylene	100,000	ND	ND	ND	ND	ND	ND	ND	ND
Aniline	N/A	----	----	----	----	----	----	----	----
Anthracene	100,000	ND	ND	ND	ND	1,100	ND	ND	ND
Benzo [a] Anthracene	1,000	280	89	ND	220	**1,800**	ND	ND	ND
Benzo [a] Pyrene	1,000	290	ND	ND	200	**1,700**	ND	ND	ND
Benzo [b] Fluoranthene	1,000	260	ND	ND	240	**1,600**	ND	ND	ND
Benzo [g,h,i] Perylene	100,000	180	ND	ND	170	950	ND	ND	ND
Benzo [k] Fluoranthene	800	160	ND	ND	100	690	ND	ND	ND
Benzyl Alcohol	N/A	----	----	----	----	----	----	----	----
Benzyl butyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy) methane	N/A	ND	ND	ND	ND	ND	ND	ND	ND

Table No. 5 (Continued):
Soil Analytical Results for Semi-Volatile Organic Compounds via EPA Method 8270 Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-6: 9'-11'	ASR-6: 16'-20'	ASR-7: 9'-11'	ASR-8: 1'-6'	ASR-8: 6'-11'	ASR-8: 11'-12'	ASR-9: 11'-13'	ASR-10: 11'-16'
Date Sampled	----	**12/14/07**	**12/14/07**	**12/14/07**	**12/18/07**	**12/18/07**	**12/18/07**	**12/17/07**	**12/17/07**
Semi-Volatiles List	**µg/kg**	----	----	----	----	----	----	----	----
Bis(2-chloroethyl)ether	N/A	----	----	----	----	----	----	----	----
Bis(2-chloroisopropyl) ether	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylexyl)phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	N/A	ND	ND	ND	ND	110	ND	ND	ND
Chrysene	1,000	200	ND	ND	190	**1,300**	ND	ND	ND
Dibenzo [a,h] Anthracene	330	ND	ND	ND	ND	230	ND	ND	ND
Dibenzo furan	N/A	ND	ND	ND	ND	280	ND	ND	ND
Diethyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100,000	410	220	1,100	400	3,700	ND	ND	ND
Fluorene	30,000	ND	ND	ND	ND	500	ND	ND	ND
Hexachlorobenzene	330	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclpentadiene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Indeno [1,2,3-cd] Pyrene	500	150	ND	ND	140	**900**	ND	ND	ND
Isophorone	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12,000	220	ND	**23,000**	3,200	650	ND	ND	ND
Nitrobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	N/A	----	----	----	----	----	----	----	----
N-Nitroso-di-n-Propylamine	N/A	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	800	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100,000	ND	280	1,100	350	3,900	ND	ND	ND
Phenol	330	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	100,000	390	200	950	400	3,500	ND	ND	ND
Pyridine	N/A	----	----	----	----	----	----	----	----

Notes:
µg/kg = parts per billion
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
---- = Not Reported by Laboratory
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives
BOLD Indicates Result Above Guidance Value

Table No. 5 (Continued): Soil Analytical Results for Semi-Volatile Organic Compounds via EPA Method 8270 Exceeding Guidance Values									
Client Sample ID	**Guidance Values**	**ASR-11: 12'-14'**	**ASR-11: 12'-14' DUP**	**SB-1: 10'-12'**	**SB-1: 15'-20'**	**SB-1: 15'-20' DUP**	**SB-2: 10'-12'**	**SB-2: 16'-18'**	**SB-2: 18'-20'**
Date Sampled	**----**	**01/15/08**	**01/15/08**	**12/13/07**	**12/13/07**	**12/13/07**	**12/10/07**	**12/10/07**	**12/10/07**
Semi-Volatiles List	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
1,2,4-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	N/A	ND	ND	110	ND	ND	ND	ND	ND
2-Methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	N/A	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100,000	ND	ND	ND	ND	ND	ND	ND	ND
Aniline	N/A	----	----	----	----	----	----	----	----
Anthracene	100,000	ND	ND	320	ND	ND	ND	ND	ND
Benzo [a] Anthracene	1,000	ND	ND	**1,200**	ND	ND	ND	ND	ND
Benzo [a] Pyrene	1,000	ND	ND	**1,100**	ND	ND	ND	ND	ND
Benzo [b] Fluoranthene	1,000	ND	ND	**1,400**	ND	ND	ND	ND	ND
Benzo [g,h,i] Perylene	100,000	ND	ND	410	ND	ND	ND	ND	ND
Benzo [k] Fluoranthene	800	ND	ND	380	ND	ND	ND	ND	ND
Benzyl Alcohol	N/A	----	----	----	----	----	----	----	----
Benzyl butyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND

Table No. 5 (Continued):
Soil Analytical Results for Semi-Volatile Organic Compounds via EPA Method 8270 Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-11: 12'-14'	ASR-11: 12'-14' DUP	SB-1: 10'-12'	SB-1: 15'-20'	SB-1: 15'-20' DUP	SB-2: 10'-12'	SB-2: 16'-18'	SB-2: 18'-20'
Date Sampled	**----**	**01/15/08**	**01/15/08**	**12/13/07**	**12/13/07**	**12/13/07**	**12/10/07**	**12/10/07**	**12/10/07**
Semi-Volatiles List	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Bis(2-chloroethoxy) methane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	N/A	----	----	----	----	----	----	----	----
Bis(2-chloroisopropyl) ether	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylexyl)phthalate	N/A	140	ND	ND	ND	ND	ND	ND	ND
Carbazole	N/A	ND	ND	75	ND	ND	ND	ND	ND
Chrysene	1,000	ND	ND	**1,200**	ND	ND	ND	ND	ND
Dibenzo [a,h] Anthracene	330	ND	ND	170	ND	ND	ND	ND	ND
Dibenzo furan	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	N/A	210	190	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100,000	ND	ND	2,200	ND	ND	ND	ND	ND
Fluorene	30,000	ND	ND	90	ND	ND	ND	ND	ND
Hexachlorobenzene	330	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclpentadiene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Indeno [1,2,3-cd] Pyrene	500	ND	ND	410	ND	ND	ND	ND	ND
Isophorone	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12,000	ND	ND	80	ND	ND	79	ND	ND
Nitrobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	N/A	----	----	----	----	----	----	----	----
N-Nitroso-di-n-Propylamine	N/A	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	800	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100,000	ND	ND	1,400	ND	ND	ND	ND	ND
Phenol	330	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	100,000	ND	ND	2,000	ND	ND	ND	ND	ND
Pyridine	N/A	----	----	----	----	----	----	----	----

Notes:
µg/kg = parts per billion
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
---- = Not Reported by Laboratory
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives
BOLD Indicates Result Above Guidance Value

Table No. 6: Soil Analytical Results for Semi-Volatile Organic Compounds via EPA Method 8270 Exceeding Guidance Values								
Client Sample ID	**Guidance Values**	**ASR-12: 0'-5'**	**ASR-12: 5'-10'**	**ASR-12: 10'-13.5'**	**ASR-13: 0'-5'**	**ASR-13: 5'-10'**	**ASR-13: 5'-10' DUP**	**ASR-13: 10'-14.5'**
Date Sampled	**----**	**10/30/09**	**10/30/09**	**10/30/09**	**10/30/09**	**10/30/09**	**10/30/09**	**10/30/09**
Semi-Volatiles List	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
1,2,4-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	N/A	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	N/A	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	N/A	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	N/A	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	N/A	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	N/A	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	N/A	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	N/A	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	N/A	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	N/A	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	N/A	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	N/A	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100,000	ND	ND	ND	ND	ND	ND	ND
Aniline	N/A	----	----	----	----	----	----	----
Anthracene	100,000	360	ND	ND	ND	ND	ND	ND
Benzo [a] Anthracene	1,000	**1,200**	590	ND	160	ND	ND	ND
Benzo [a] Pyrene	1,000	**1,200**	680	ND	ND	ND	ND	ND
Benzo [b] Fluoranthene	1,000	**1,500**	560	ND	240	ND	ND	ND
Benzo [g,h,i] Perylene	100,000	580	320	ND	ND	ND	ND	ND
Benzo [k] Fluoranthene	800	620	600	ND	ND	ND	ND	ND
Benzyl Alcohol	N/A	----	----	----	----	----	----	----
Benzyl butyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND

Table No. 6:
Soil Analytical Results for Semi-Volatile Organic Compounds via EPA Method 8270 Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-12: 0'-5'	ASR-12: 5'-10'	ASR-12: 10'-13.5'	ASR-13: 0'-5'	ASR-13: 5'-10'	ASR-13: 5'-10' DUP	ASR-13: 10'-14.5'
Date Sampled	**----**	**10/30/09**	**10/30/09**	**10/30/09**	**10/30/09**	**10/30/09**	**10/30/09**	**10/30/09**
Semi-Volatiles List	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Bis(2-chloroethoxy) methane	N/A	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	N/A	----	----	----	----	----	----	----
Bis(2-chloroisopropyl) ether	N/A	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylexyl)phthalate	N/A	200	ND	ND	190	ND	ND	ND
Carbazole	N/A	ND	ND	ND	ND	ND	ND	ND
Chrysene	1,000	**1,300**	700	ND	170	ND	ND	ND
Dibenzo [a,h] Anthracene	330	ND	ND	ND	ND	ND	ND	ND
Dibenzo furan	N/A	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100,000	1,900	910	ND	230	ND	ND	ND
Fluorene	30,000	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	330	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	N/A	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclpentadiene	N/A	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	N/A	ND	ND	ND	ND	ND	ND	ND
Indeno [1,2,3-cd] Pyrene	500	**500**	260	ND	ND	ND	ND	ND
Isophorone	N/A	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12,000	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	N/A	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	N/A	----	----	----	----	----	----	----
N-Nitroso-di-n-Propylamine	N/A	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	N/A	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	800	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100,000	1,200	580	ND	140	ND	ND	ND
Phenol	330	ND	ND	ND	ND	ND	ND	ND
Pyrene	100,000	1,700	1,000	ND	210	ND	ND	ND
Pyridine	N/A	----	----	----	----	----	----	----

Notes:
µg/kg = parts per billion
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
---- = Not Reported by Laboratory
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives
BOLD Indicates Result Above Guidance Value

Table No. 6 (Continued): Soil Analytical Results for Semi-Volatile Organic Compounds via EPA Method 8270 Exceeding Guidance Values								
Client Sample ID	**Guidance Values**	**ASR-14: 7.5'-10'**	**ASR-14: 10'-12.5'**	**ASR-14: 17.5'-20'**	**ASR-14: 20'-22.5'**	**ASR-14: 27.5'-30'**	**ASR-15: 7.5'-10'**	**ASR-15: 15'-17.5'**
Date Sampled	**----**	**10/29/09**	**10/29/09**	**10/29/09**	**10/29/09**	**10/29/09**	**10/29/09**	**10/29/09**
Semi-Volatiles List	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
1,2,4-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	N/A	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	N/A	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	N/A	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	N/A	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	N/A	350	3,600	ND	ND	ND	ND	ND
2-Methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	N/A	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	N/A	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	N/A	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	N/A	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	N/A	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	N/A	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	N/A	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	ND	1,200	ND	ND	ND	ND	ND
Acenaphthylene	100,000	ND	320	ND	ND	ND	ND	ND
Aniline	N/A	----	----	----	----	----	----	----
Anthracene	100,000	600	3,300	ND	ND	ND	400	ND
Benzo [a] Anthracene	1,000	**1,200**	**3,700**	ND	ND	ND	650	ND
Benzo [a] Pyrene	1,000	**1,000**	**2,800**	ND	ND	ND	590	ND
Benzo [b] Fluoranthene	1,000	**1,300**	**3,400**	ND	ND	ND	690	ND
Benzo [g,h,i] Perylene	100,000	700	1,500	ND	ND	ND	390	ND
Benzo [k] Fluoranthene	800	440	**1,500**	ND	ND	ND	280	ND
Benzyl Alcohol	N/A	----	----	----	----	----	----	----
Benzyl butyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy) methane	N/A	ND	ND	ND	ND	ND	ND	ND

Table No. 6 (Continued):
Soil Analytical Results for Semi-Volatile Organic Compounds via EPA Method 8270 Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-14: 7.5'-10'	ASR-14: 10'-12.5'	ASR-14: 17.5'-20'	ASR-14: 20'-22.5'	ASR-14: 27.5'-30'	ASR-15: 7.5'-10'	ASR-15: 15'-17.5'
Date Sampled	**----**	**10/29/09**	**10/29/09**	**10/29/09**	**10/29/09**	**10/29/09**	**10/29/09**	**10/29/09**
Semi-Volatiles List	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Bis(2-chloroethyl)ether	N/A	----	----	----	----	----	----	----
Bis(2-chloroisopropyl) ether	N/A	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylexyl)phthalate	N/A	ND	ND	ND	ND	ND	ND	ND
Carbazole	N/A	ND	ND	ND	ND	ND	ND	ND
Chrysene	1,000	**1,200**	**3,700**	ND	ND	ND	630	ND
Dibenzo [a,h] Anthracene	330	ND	**420**	ND	ND	ND	ND	ND
Dibenzo furan	N/A	300	1,700	ND	ND	ND	ND	ND
Diethyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100,000	2,500	9,700	ND	ND	ND	1,300	ND
Fluorene	30,000	420	3,000	ND	ND	ND	ND	ND
Hexachlorobenzene	330	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	N/A	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclpentadiene	N/A	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	N/A	ND	ND	ND	ND	ND	ND	ND
Indeno [1,2,3-cd] Pyrene	500	580	**1,400**	ND	ND	ND	330	ND
Isophorone	N/A	ND		ND	ND	ND	ND	ND
Naphthalene	12,000	370	1,700	ND	ND	ND	ND	ND
Nitrobenzene	N/A	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	N/A	----	----	----	----	----	----	----
N-Nitroso-di-n-Propylamine	N/A	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	N/A	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	800	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100,000	3,200	16,000	ND	ND	ND	1,700	ND
Phenol	330	ND	ND	ND	ND	ND	ND	ND
Pyrene	100,000	2,000	7,200	ND	ND	ND	1,200	ND
Pyridine	N/A	----	----	----	----	----	----	----

Notes:
µg/kg = parts per billion
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
---- = Not Reported by Laboratory
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives
BOLD Indicates Result Above Guidance Value

Table No. 6 (Continued): Soil Analytical Results for Semi-Volatile Organic Compounds via EPA Method 8270 Exceeding Guidance Values									
Client Sample ID	**Guidance Values**	**ASR-16: 0'-2.5'**	**ASR-16: 7.5'-10'**	**ASR-16: 10'-12.5'**	**ASR-16: 17.5'-20'**	**ASR-16: 20'-22.5'**	**ASR-16: 25'-27.5'**	**ASR-17: 7.5'-10'**	**ASR-17: 15'-17.5'**
Date Sampled	**----**	**11/03/09**	**11/03/09**	**11/03/09**	**11/03/09**	**11/03/09**	**11/03/09**	**11/03/09**	**11/03/09**
Semi-Volatiles List	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
1,2,4-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	N/A	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100,000	ND	ND	ND	ND	ND	ND	ND	ND
Aniline	N/A	----	----	----	----	----	----	----	----
Anthracene	100,000	ND	ND	ND	ND	ND	ND	ND	ND
Benzo [a] Anthracene	1,000	470	ND	ND	ND	ND	220	ND	ND
Benzo [a] Pyrene	1,000	480	ND	ND	ND	ND	ND	ND	ND
Benzo [b] Fluoranthene	1,000	680	ND	ND	ND	ND	320	ND	ND
Benzo [g,h,i] Perylene	100,000	260	ND	ND	ND	ND	ND	ND	ND
Benzo [k] Fluoranthene	800	300	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	N/A	----	----	----	----	----	----	----	----
Benzyl butyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND

Table No. 6 (Continued):
Soil Analytical Results for Semi-Volatile Organic Compounds via EPA Method 8270 Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-16: 0'-2.5'	ASR-16: 7.5'-10'	ASR-16: 10'-12.5'	ASR-16: 17.5'-20'	ASR-16: 20'-22.5'	ASR-16: 25'-27.5'	ASR-17: 7.5'-10'	ASR-17: 15'-17.5'
Date Sampled	**----**	**11/03/09**	**11/03/09**	**11/03/09**	**11/03/09**	**11/03/09**	**11/03/09**	**11/03/09**	**11/03/09**
Semi-Volatiles List	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Bis(2-chloroethoxy) methane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	N/A	----	----	----	----	----	----	----	----
Bis(2-chloroisopropyl) ether	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylexyl)phthalate	N/A	210	ND	ND	ND	ND	340	ND	ND
Carbazole	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	1,000	520	ND	ND	ND	ND	220	ND	ND
Dibenzo [a,h] Anthracene	330	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo furan	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100,000	820	ND	ND	ND	ND	380	ND	ND
Fluorene	30,000	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	330	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclpentadiene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Indeno [1,2,3-cd] Pyrene	500	230	ND	ND	ND	ND	ND	ND	ND
Isophorone	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12,000	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	N/A	----	----	----	----	----	----	----	----
N-Nitroso-di-n-Propylamine	N/A	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	800	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100,000	610	ND	ND	ND	ND	140	ND	ND
Phenol	330	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	100,000	600	ND	ND	ND	ND	340	ND	ND
Pyridine	N/A	----	----	----	----	----	----	----	----

Notes:
µg/kg = parts per billion
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
---- = Not Reported by Laboratory
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives
BOLD Indicates Result Above Guidance Value

Table No. 6 (Continued):
Soil Analytical Results for Semi-Volatile Organic Compounds via EPA Method 8270 Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-18: 2.5'-5'	ASR-18: 7.5'-10'	ASR-18: 12.5'-15'	ASR-18: 12.5'-15' DUP	ASR-18: 15'-17.5'	ASR-19: 0'-2.5'	ASR-19: 5'-7.5'	ASR-19: 10'-12.5'	ASR-19: 17.5'-20'
Date Sampled	**----**	**11/05/09**	**11/05/09**	**11/05/09**	**11/05/09**	**11/05/09**	**11/05/09**	**11/05/09**	**11/05/09**	**11/05/09**
Semi-Volatiles List	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
1,2,4-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	N/A	ND	1,900	ND	ND	ND	ND	1,900	ND	ND
2-Methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	ND	ND	ND	ND	ND	ND	830	ND	ND
Acenaphthylene	100,000	ND	ND	ND	ND	ND	ND	550	ND	ND
Aniline	N/A	----	----	----	----	----	----	----	----	----
Anthracene	100,000	ND	300	ND	ND	ND	300	3,800	ND	ND
Benzo [a] Anthracene	1,000	460	520	ND	ND	ND	720	**5,700**	ND	ND
Benzo [a] Pyrene	1,000	460	500	ND	ND	ND	600	**5,100**	ND	ND
Benzo [b] Fluoranthene	1,000	560	620	ND	ND	ND	790	**5,700**	ND	ND
Benzo [g,h,i] Perylene	100,000	260	ND	ND	ND	ND	340	3,300	ND	ND
Benzo [k] Fluoranthene	800	ND	ND	ND	ND	ND	280	**2,200**	ND	ND
Benzyl Alcohol	N/A	----	----	----	----	----	----	----	----	----
Benzyl butyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table No. 6 (Continued):
Soil Analytical Results for Semi-Volatile Organic Compounds via EPA Method 8270 Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-18: 2.5'-5'	ASR-18: 7.5'-10'	ASR-18: 12.5'-15'	ASR-18: 12.5'-15' DUP	ASR-18: 15'-17.5'	ASR-19: 0'-2.5'	ASR-19: 5'-7.5'	ASR-19: 10'-12.5'	ASR-19: 17.5'-20'
Date Sampled	----	11/05/09	11/05/09	11/05/09	11/05/09	11/05/09	11/05/09	11/05/09	11/05/09	11/05/09
Semi-Volatiles List	µg/kg	----	----	----	----	----	----	----	----	----
Bis(2-chloroethoxy) methane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	N/A	----	----	----	----	----	----	----	----	----
Bis(2-chloroisopropyl) ether	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylexyl)phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	1,000	440	460	ND	ND	ND	670	**5,200**	ND	ND
Dibenzo [a,h] Anthracene	330	ND	ND	ND	ND	ND	ND	**870**	ND	ND
Dibenzo furan	N/A	ND	ND	ND	ND	ND	ND	670	ND	ND
Diethyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100,000	1,000	1,400	ND	ND	ND	1,800	16,000	ND	ND
Fluorene	30,000	ND	ND	ND	ND	ND	ND	1,400	ND	ND
Hexachlorobenzene	330	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclpentadiene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno [1,2,3-cd] Pyrene	500	ND	ND	ND	ND	ND	280	**2,900**	ND	ND
Isophorone	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12,000	ND	1,600	ND	ND	ND	ND	790	ND	ND
Nitrobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	N/A	----	----	----	----	----	----	----	----	----
N-Nitroso-di-n-Propylamine	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	800	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100,000	620	1,200	ND	ND	ND	1,400	12,000	ND	ND
Phenol	330	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	100,000	890	1,200	ND	ND	ND	1,500	13,000	ND	ND
Pyridine	N/A	----	----	----	----	----	----	----	----	----

Notes:
µg/kg = parts per billion
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
---- = Not Reported by Laboratory
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives
BOLD Indicates Result Above Guidance Value

Table No. 6 (Continued): Soil Analytical Results for Semi-Volatile Organic Compounds via EPA Method 8270 Exceeding Guidance Values								
Client Sample ID	**Guidance Values**	**SB-3: 12.5'-15'**	**SB-3: 15'-20'**	**SB-3: 15'-20' DUP**	**SB-4: 2.5'-5'**	**SB-4: 7.5'-10'**	**SB-4: 10'-12.5'**	**SB-4: 15'-17.5'**
Date Sampled	**----**	**10/26/09**	**10/26/09**	**10/26/09**	**10/26/09**	**10/26/09**	**10/26/09**	**10/26/09**
Semi-Volatiles List	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
1,2,4-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	N/A	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	N/A	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	N/A	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	N/A	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	N/A	ND	ND	ND	ND	29,000	ND	ND
2-Methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	N/A	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	N/A	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	N/A	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	N/A	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	N/A	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	N/A	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	N/A	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	ND	ND	ND	ND	ND	290	ND
Acenaphthylene	100,000	ND	ND	ND	1,100	ND	ND	ND
Aniline	N/A	----	----	----	----	----	----	----
Anthracene	100,000	ND	ND	ND	320	ND	ND	ND
Benzo [a] Anthracene	1,000	ND	ND	ND	780	140	850	210
Benzo [a] Pyrene	1,000	ND	ND	ND	**1,400**	ND	670	ND
Benzo [b] Fluoranthene	1,000	ND	ND	ND	**1,600**	ND	820	ND
Benzo [g,h,i] Perylene	100,000	ND	ND	ND	1,500	ND	400	ND
Benzo [k] Fluoranthene	800	ND	ND	ND	510	ND	290	ND
Benzyl Alcohol	N/A	----	----	----	----	----	----	----
Benzyl butyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy) methane	N/A	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	N/A	----	----	----	----	----	----	----

Table No. 6 (Continued): Soil Analytical Results for Semi-Volatile Organic Compounds via EPA Method 8270 Exceeding Guidance Values								
Client Sample ID	**Guidance Values**	**SB-3: 12.5'-15'**	**SB-3: 15'-20'**	**SB-3: 15'-20' DUP**	**SB-4: 2.5'-5'**	**SB-4: 7.5'-10'**	**SB-4: 10'-12.5'**	**SB-4: 15'-17.5'**
Date Sampled	**----**	**10/26/09**	**10/26/09**	**10/26/09**	**10/26/09**	**10/26/09**	**10/26/09**	**10/26/09**
Semi-Volatiles List	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Bis(2-chloroisopropyl) ether	N/A	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylexyl)phthalate	N/A	ND	ND	ND	ND	ND	ND	ND
Carbazole	N/A	ND	ND	ND	ND	ND	ND	ND
Chrysene	1,000	ND	ND	ND	850	160	820	180
Dibenzo [a,h] Anthracene	330	ND	ND	ND	270	ND	ND	ND
Dibenzo furan	N/A	ND	ND	ND	ND	ND	220	ND
Diethyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100,000	ND	ND	ND	720	250	2,200	350
Fluorene	30,000	ND	ND	ND	ND	ND	600	ND
Hexachlorobenzene	330	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	N/A	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclpentadiene	N/A	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	N/A	ND	ND	ND	ND	ND	ND	ND
Indeno [1,2,3-cd] Pyrene	500	ND	ND	ND	1,000	ND	350	ND
Isophorone	N/A	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12,000	ND	ND	ND	ND	ND	**24,000**	ND
Nitrobenzene	N/A	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	N/A	----	----	----	----	----	----	----
N-Nitroso-di-n-Propylamine	N/A	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	N/A	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	800	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100,000	ND	ND	ND	210	200	3,000	250
Phenol	330	ND	ND	ND	ND	ND	ND	ND
Pyrene	100,000	ND	ND	ND	730	250	1,800	280
Pyridine	N/A	----	----	----	----	----	----	----

Notes:
µg/kg = parts per billion
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
---- = Not Reported by Laboratory
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives
BOLD Indicates Result Above Guidance Value

Table No. 6 (Continued):
Soil Analytical Results for Semi-Volatile Organic Compounds via EPA Method 8270 Exceeding Guidance Values

Client Sample ID	Guidance Values	SB-5: 2.5'-5'	SB-5: 7.5'-10'	SB-5: 10'-12.5'	SB-5: 15'-17.5'	SB-6: 7.5'-10'	SB-7: 7.5'-10'	SB-7: 10'-12.5'	SB-7: 12.5'-15'
Date Sampled	**----**	**10/26/09**	**10/26/09**	**10/26/09**	**10/26/09**	**10/27/09**	**10/27/09**	**10/27/09**	**10/27/09**
Semi-Volatiles List	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
1,2,4-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	N/A	ND	2,600	1,000	ND	ND	ND	ND	ND
2-Methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	N/A	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100,000	ND	ND	ND	ND	ND	ND	ND	ND
Aniline	N/A	----	----	----	----	----	----	----	----
Anthracene	100,000	ND	ND	ND	ND	ND	ND	ND	ND
Benzo [a] Anthracene	1,000	420	ND	ND	ND	ND	ND	ND	160
Benzo [a] Pyrene	1,000	400	ND	ND	ND	ND	ND	ND	ND
Benzo [b] Fluoranthene	1,000	460	ND	ND	ND	ND	ND	ND	ND
Benzo [g,h,i] Perylene	100,000	300	ND	ND	ND	ND	ND	ND	ND
Benzo [k] Fluoranthene	800	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	N/A	----	----	----	----	----	----	----	----
Benzyl butyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND

Table No. 6 (Continued):
Soil Analytical Results for Semi-Volatile Organic Compounds via EPA Method 8270 Exceeding Guidance Values

Client Sample ID	Guidance Values	SB-5: 2.5'-5'	SB-5: 7.5'-10'	SB-5: 10'-12.5'	SB-5: 15'-17.5'	SB-6: 7.5'-10'	SB-7: 7.5'-10'	SB-7: 10'-12.5'	SB-7: 12.5'-15'
Date Sampled	**----**	**10/26/09**	**10/26/09**	**10/26/09**	**10/26/09**	**10/27/09**	**10/27/09**	**10/27/09**	**10/27/09**
Semi-Volatiles List	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Bis(2-chloroethoxy) methane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	N/A	----	----	----	----	----	----	----	----
Bis(2-chloroisopropyl) ether	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylexyl)phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	1,000	400	ND	ND	ND	ND	ND	ND	130
Dibenzo [a,h] Anthracene	330	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo furan	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100,000	810	ND	ND	ND	ND	ND	ND	280
Fluorene	30,000	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	330	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclpentadiene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Indeno [1,2,3-cd] Pyrene	500	220	ND	ND	ND	ND	ND	ND	ND
Isophorone	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12,000	ND	1,800	730	ND	ND	ND	ND	ND
Nitrobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	N/A	----	----	----	----	----	----	----	----
N-Nitroso-di-n-Propylamine	N/A	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	800	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100,000	420	120	ND	ND	ND	ND	ND	250
Phenol	330	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	100,000	720	ND	ND	ND	ND	ND	ND	260
Pyridine	N/A	----	----	----	----	----	----	----	----

Notes:
µg/kg = parts per billion
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
---- = Not Reported by Laboratory
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives
BOLD Indicates Result Above Guidance Value

Table No. 6 (Continued): Soil Analytical Results for Semi-Volatile Organic Compounds via EPA Method 8270 Exceeding Guidance Values									
Client Sample ID	**Guidance Values**	**SB-8: 2.5'-5'**	**SB-8: 5'-10'**	**SB-8: 10'-12.5'**	**SB-8: 17.5'-20'**	**SB-9: 7.5'-10'**	**SB-9: 10'-12.5'**	**SB-9: 15'-17.5'**	**SB-9: 15'-17.5' DUP**
Date Sampled	**----**	**10/27/09**	**10/27/09**	**10/27/09**	**10/27/09**	**10/27/09**	**10/27/09**	**10/27/09**	**10/27/09**
Semi-Volatiles List	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
1,2,4-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	N/A	ND	570	740	ND	ND	260	ND	ND
2-Methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	N/A	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100,000	ND	ND	ND	ND	ND	ND	ND	ND
Aniline	N/A	----	----	----	----	----	----	----	----
Anthracene	100,000	ND	ND	ND	ND	ND	ND	ND	ND
Benzo [a] Anthracene	1,000	310	210	320	ND	ND	800	ND	ND
Benzo [a] Pyrene	1,000	340	280	380	500	ND	740	ND	ND
Benzo [b] Fluoranthene	1,000	460	320	430	ND	ND	890	ND	ND
Benzo [g,h,i] Perylene	100,000	340	290	270	ND	ND	510	ND	ND
Benzo [k] Fluoranthene	800	ND	ND	ND	ND	ND	350	ND	ND
Benzyl Alcohol	N/A	----	----	----	----	----	----	----	----
Benzyl butyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND

Table No. 6 (Continued):
Soil Analytical Results for Semi-Volatile Organic Compounds via EPA Method 8270 Exceeding Guidance Values

Client Sample ID	Guidance Values	SB-8: 2.5'-5'	SB-8: 5'-10'	SB-8: 10'-12.5'	SB-8: 17.5'-20'	SB-9: 7.5'-10'	SB-9: 10'-12.5'	SB-9: 15'-17.5'	SB-9: 15'-17.5' DUP
Date Sampled	----	10/27/09	10/27/09	10/27/09	10/27/09	10/27/09	10/27/09	10/27/09	10/27/09
Semi-Volatiles List	µg/kg	----	----	----	----	----	----	----	----
Bis(2-chloroethoxy) methane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	N/A	----	----	----	----	----	----	----	----
Bis(2-chloroisopropyl) ether	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylexyl)phthalate	N/A	180	170	ND	ND	ND	ND	ND	ND
Carbazole	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	1,000	320	200	270	ND	ND	670	ND	ND
Dibenzo [a,h] Anthracene	330	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo furan	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100,000	430	200	260	ND	ND	1,100	ND	ND
Fluorene	30,000	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	330	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclpentadiene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Indeno [1,2,3-cd] Pyrene	500	230	ND	ND	ND	ND	400	ND	ND
Isophorone	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12,000	ND	440	800	ND	ND	ND	ND	ND
Nitrobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	N/A	----	----	----	----	----	----	----	----
N-Nitroso-di-n-Propylamine	N/A	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	800	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100,000	240	130	260	ND	ND	520	ND	ND
Phenol	330	ND	ND	250	ND	ND	ND	ND	ND
Pyrene	100,000	410	210	ND	ND	ND	960	ND	ND
Pyridine	N/A	----	----	----	----	----	----	----	----

Notes:
µg/kg = parts per billion
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
---- = Not Reported by Laboratory
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives
BOLD Indicates Result Above Guidance Value

Table No. 7:
Soil Analytical Results for Semi-Volatile Organic Compounds via EPA Method 8270 Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-20: 7.5'-10'	ASR-20: 10'-12'	ASR-20: 12'-14'	ASR-21: 7.5'-10'	ASR-21: 12.5'-15'	ASR-22: 5'-7.5'	ASR-22: 10'-12.5'	ASR-22: 12.5'-15'	ASR-22: 12.5'-15' DUP
Date Sampled	----	03/22/11	03/22/11	03/22/11	03/23/11	03/23/11	03/23/11	03/23/11	03/23/11	03/23/11
Semi-Volatiles List	µg/kg	----	----	----	----	----	----	----	----	----
1,2,4-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aniline	N/A	----	----	----	----	----	----	----	----	----
Anthracene	100,000	ND	ND	ND	395	ND	685	ND	ND	ND
Benzo [a] Anthracene	1,000	ND	ND	ND	678	ND	**1,450**	ND	ND	ND
Benzo [a] Pyrene	1,000	ND	ND	ND	492	ND	**1,720**	ND	ND	ND
Benzo [b] Fluoranthene	1,000	ND	ND	ND	416	ND	**1,340**	ND	ND	ND
Benzo [g,h,i] Perylene	100,000	ND	ND	ND	265	ND	1,140	ND	ND	ND
Benzo [k] Fluoranthene	800	ND	ND	ND	224	ND	762	ND	ND	ND
Benzyl Alcohol	N/A	----	----	----	----	----	----	----	----	----
Benzyl butyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table No. 7:
Soil Analytical Results for Semi-Volatile Organic Compounds via EPA Method 8270 Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-20: 7.5'-10'	ASR-20: 10'-12'	ASR-20: 12'-14'	ASR-21: 7.5'-10'	ASR-21: 12.5'-15'	ASR-22: 5'-7.5'	ASR-22: 10'-12.5'	ASR-22: 12.5'-15'	ASR-22: 12.5'-15' DUP
Date Sampled	**----**	**03/22/11**	**03/22/11**	**03/22/11**	**03/23/11**	**03/23/11**	**03/23/11**	**03/23/11**	**03/23/11**	**03/23/11**
Semi-Volatiles List	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Bis(2-chloroethoxy) methane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	N/A	----	----	----	----	----	----	----	----	----
Bis(2-chloroisopropyl) ether	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylexyl)phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	N/A	ND	ND	ND	ND	ND	309	ND	ND	ND
Chrysene	1,000	ND	ND	ND	578	ND	**1,140**	ND	ND	ND
Dibenzo [a,h] Anthracene	330	ND	ND	ND	ND	ND	**365**	ND	ND	ND
Dibenzo furan	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100,000	ND	ND	ND	1,560	ND	3,590	ND	ND	ND
Fluorene	30,000	ND	ND	ND	ND	ND	298	ND	ND	ND
Hexachlorobenzene	330	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclpentadiene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno [1,2,3-cd] Pyrene	500	ND	ND	ND	251	ND	**661**	ND	ND	ND
Isophorone	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12,000	ND	ND	ND	ND	ND	240	ND	ND	ND
Nitrobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	N/A	----	----	----	----	----	----	----	----	----
N-Nitroso-di-n-Propylamine	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	800	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100,000	ND	ND	ND	1,290	ND	2,920	ND	ND	ND
Phenol	330	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	100,000	ND	ND	ND	1,420	ND	3,120	ND	ND	ND
Pyridine	N/A	----	----	----	----	----	----	----	----	----

Notes:
µg/kg = parts per billion
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
---- = Not Reported by Laboratory
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives
BOLD Indicates Result Above Guidance Value

Table No. 8:
Soil Analytical Results for Target Analyte List Metals via EPA Method 6010B Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-4: 10'-12'	ASR-4: 12'-14'	ASR-4: 14'-16'	ASR-4: 16'-18'	ASR-4: 18'-20'	ASR-5: 8'-10'	ASR-5: 11'-13'	ASR-5: 14'-16'	ASR-5: 18'-20'
Date Sampled	----	**12/10/07**	**12/10/07**	**12/10/07**	**12/10/07**	**12/10/07**	**12/11/07**	**12/11/07**	**12/11/07**	**12/11/07**
TAL Metals	**mg/kg**	----	----	----	----	----	----	----	----	----
Mercury	0.18	**0.26**	0.040	**0.19**	ND	ND	0.15	0.13	ND	**0.37**
Aluminum	N/A	10,200	7,720	12,400	8,390	6,910	5,960	11,500	7,670	7,550
Antimony	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	13	2.7	1.9	3.2	1.5	ND	2.6	2.3	1.3	ND
Barium	350	109	76.4	75.9	42.3	48.0	46.1	101	44.7	60.2
Beryllium	7.2	0.55	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	2.5	ND	ND	ND	ND	ND	**3.3**	ND	ND	ND
Calcium	N/A	4,050	1,810	2,320	892	1,080	90,400	16,400	1,970	9,760
Chromium	31	30.4	15.7	21.0	12.4	20.0	**60.7**	**32.7**	16.4	18.3
Cobalt	N/A	14.3	5.8	11.3	ND	ND	ND	13.8	6.6	7.6
Copper	50	40.0	20.4	34.5	12.1	6.7	21.8	32.5	15.2	18.0
Iron	N/A	20,200	11,400	22,600	13,100	7,200	11,900	21,700	13,700	14,000
Lead	63	**124**	44.1	39.1	11.2	10.2	44.6	**178**	20.3	41.1
Magnesium	N/A	4,340	2,820	5,960	3,140	2,150	28,100	6,030	3,540	4,660
Manganese	1,600	323	162	386	135	60.3	195	145	98.4	114
Nickel	30	23.2	13.8	21.3	11.9	9.5	**30.4**	**30.6**	15.7	15.1
Potassium	N/A	2,700	1,230	1,910	ND	ND	959	5,090	1,340	2,260
Selenium	3.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	N/A	27.1	17.8	27.3	15.8	12.2	12.9	36.8	16.1	18.2
Zinc	109	**239**	49.2	78.5	38.7	32.4	65.2	**118**	44.1	71.3

Notes:
mg/kg = parts per million
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives
BOLD Indicates Result Above Guidance Value

Table No. 8 (Continued):
Soil Analytical Results for Target Analyte List Metals via EPA Method 6010B Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-6: 9'-11'	ASR-6: 16'-20'	ASR-7: 9'-11'	ASR-7: 11'-16'	ASR-8: 1'-6'	ASR-8: 6'-11'	ASR-8: 11'-12'	ASR-9: 11'-13'	ASR-10: 11'-16'
Date Sampled	----	**12/14/07**	**12/14/07**	**12/14/07**	**12/14/07**	**12/18/07**	**12/18/07**	**12/18/07**	**12/17/07**	**12/17/07**
TAL Metals	**mg/kg**	----	----	----	----	----	----	----	----	----
Mercury	0.18	0.12	ND	**0.30**	ND	**0.36**	**0.77**	ND	ND	0.093
Aluminum	N/A	11,500	6,360	8,510	6,720	6,830	11,000	1,740	10,700	12,200
Antimony	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	13	1.6	2.8	2.6	ND	2.6	1.9	ND	2.9	3.2
Barium	350	116	51.8	94.9	32.1	82.3	128	ND	46.2	65.1
Beryllium	7.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	2.5	ND	ND	ND	ND	0.66	ND	ND	ND	ND

Table No. 8 (Continued):
Soil Analytical Results for Target Analyte List Metals via EPA Method 6010B Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-6: 9'-11'	ASR-6: 16'-20'	ASR-7: 9'-11'	ASR-7: 11'-16'	ASR-8: 1'-6'	ASR-8: 6'-11'	ASR-8: 11'-12'	ASR-9: 11'-13'	ASR-10: 11'-16'
Date Sampled	**----**	**12/14/07**	**12/14/07**	**12/14/07**	**12/14/07**	**12/18/07**	**12/18/07**	**12/18/07**	**12/17/07**	**12/17/07**
TAL Metals	**mg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Calcium	N/A	9,140	1,510	23,200	872	5,570	16,500	236,000	4,600	6,360
Chromium	31	29.9	16.8	20.1	10.8	13.3	26.3	3.8	16.6	17.4
Cobalt	N/A	11.5	ND	9.5	ND	7.1	13.1	ND	ND	9.8
Copper	50	31.5	11.5	**130**	11.0	**80.8**	30.1	ND	18.6	23.8
Iron	N/A	19,500	14,700	21,900	10,400	12,500	20,200	2,940	18,500	18,100
Lead	63	169	4.2	**416**	10.5	**219**	62.4	3.1	10.4	19.9
Magnesium	N/A	4,400	3,410	3,460	2,780	4,350	4,500	ND	5,530	6,440
Manganese	1,600	256	99.2	300	89.8	177	274	334	127	198
Nickel	30	27.7	16.3	18.7	11.1	13.0	21.8	ND	14.5	17.5
Potassium	N/A	3,340	702	2,530	ND	1,320	3,790	ND	711	1,060
Selenium	3.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	N/A	ND	ND	ND	ND	ND	ND	ND	1.3	ND
Vanadium	N/A	31.1	13.6	23.8	13.0	19.2	31.9	ND	19.9	23.0
Zinc	109	61.1	40.8	**151**	30.1	**173**	73.0	55.5	49.7	60.5

Notes:
mg/kg = parts per million
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives
BOLD Indicates Result Above Guidance Value

Table No. 8 (Continued):
Soil Analytical Results for Target Analyte List Metals via EPA Method 6010B Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-11: 12'-14'	ASR-11: 12'-14' DUP	SB-1: 10'-12'	SB-1: 15'-20'	SB-1: 15'-20' DUP	SB-2: 10'-12'	SB-2: 12'-14'	SB-2: 16'-18'	SB-2: 18'-20'
Date Sampled	**----**	**01/15/08**	**01/15/08**	**12/13/07**	**12/13/07**	**12/13/07**	**12/10/07**	**12/10/07**	**12/10/07**	**12/10/07**
TAL Metals	**mg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Mercury	0.18	0.16	ND	**0.59**	0.085	ND	**0.70**	ND	ND	0.17
Aluminum	N/A	9,610	7,950	4,460	6,310	4,940	10,100	8,080	10,800	13,300
Antimony	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	13	3.3	2.6	2.7	ND	ND	2.9	3.4	2.2	3.8
Barium	350	45.1	35.1	150	48.8	45.0	95.4	138	62.4	96.6
Beryllium	7.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	N/A	5,500	776	26,100	4,300	6,060	1,690	3,240	1,190	6,830
Chromium	31	12.4	10.9	16.2	16.5	12.4	16.7	16.4	16.1	18.4
Cobalt	N/A	7.5	ND	ND	7.2	9.8	7.1	8.2	7.8	10.5
Copper	50	13.2	10.9	30.4	24.8	11.1	20.9	29.8	13.6	20.4
Iron	N/A	17,400	14,600	8,630	12,000	10,600	15,000	14,500	16,400	23,600
Lead	63	22.9	6.9	**522**	26.3	17.8	**79.4**	**167**	12.2	37.8
Magnesium	N/A	5,540	3,020	3,960	5,190	4,650	3,080	3,910	3,540	7,270
Manganese	1,600	511	141	196	154	259	283	152	134	334

Table No. 8 (Continued):
Soil Analytical Results for Target Analyte List Metals via EPA Method 6010B Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-11: 12'-14'	ASR-11: 12'-14' DUP	SB-1: 10'-12'	SB-1: 15'-20'	SB-1: 15'-20' DUP	SB-2: 10'-12'	SB-2: 12'-14'	SB-2: 16'-18'	SB-2: 18'-20'
Date Sampled	**----**	**01/15/08**	**01/15/08**	**12/13/07**	**12/13/07**	**12/13/07**	**12/10/07**	**12/10/07**	**12/10/07**	**12/10/07**
TAL Metals	**mg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Nickel	30	14.1	12.8	10.3	13.7	11.1	14.3	14.8	14.7	18.1
Potassium	N/A	704	666	1,020	1,300	1,200	1,080	1,290	ND	ND
Selenium	3.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	N/A	1,730	812	ND	ND	ND	ND	ND	ND	ND
Thallium	N/A	ND	ND	ND	ND	ND	ND	ND	ND	1.5
Vanadium	N/A	15.8	14.0	13.4	17.8	14.7	20.9	20.5	19.2	23.7
Zinc	109	94.6	38.2	**123**	53.0	25.8	76.5	**172**	50.0	71.9

Notes:
mg/kg = parts per million
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives
BOLD Indicates Result Above Guidance Value

Table No. 9:
Soil Analytical Results for Target Analyte List Metals via EPA Method 6010B Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-12: 0'-5'	ASR-12: 5'-10'	ASR-12: 10'-13.5'	ASR-13: 0'-5'	ASR-13: 5'-10'	ASR-13: 5'-10' DUP	ASR-13: 10'-14.5'
Date Sampled	**----**	**10/30/09**	**10/30/09**	**10/30/09**	**10/30/09**	**10/30/09**	**10/30/09**	**10/30/09**
TAL Metals	**mg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Mercury	0.18	0.11	ND	ND	0.11	ND	ND	ND
Aluminum	N/A	6,360	6,650	9,460	6,150	6,240	5,890	9,080
Antimony	N/A	ND	ND	ND	ND	ND	ND	ND
Arsenic	13	4.5	ND	ND	1.7	ND	ND	ND
Barium	350	81.3	56.4	65.9	103	64.1	46.9	45.4
Beryllium	7.2	0.37	0.253	0.31	0.32	0.28	0.234	0.33
Cadmium	2.5	0.73	0.50	0.209	0.67	0.316	0.187	0.210
Calcium	N/A	80,100	6,960	1,310	62,200	7,060	2,220	872
Chromium	31	17.5	13.7	16.5	17.2	10.9	12.4	14.3
Cobalt	N/A	5.60	5.45	9.72	6.60	5.77	4.85	6.53
Copper	50	35.6	19.6	18.3	33.9	19.6	12.1	21.0
Iron	N/A	14,800	14,200	20,800	13,800	13,500	11,800	19,300
Lead	63	**116**	30.6	15.9	**79.0**	11.1	5.75	7.41
Magnesium	N/A	21,900	2,560	3,850	26,000	2,670	1,950	2,460
Manganese	1,600	229	213	281	211	306	195	291
Nickel	30	15.1	10.7	16.9	18.1	11.1	8.92	11.6
Potassium	N/A	1,570	1,270	3,660	1,960	1,440	1,210	1,920
Selenium	3.9	ND	ND	ND	ND	ND	ND	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND
Sodium	N/A	595	469	529	481	358	332	473
Thallium	N/A	ND	ND	ND	ND	ND	ND	ND
Vanadium	N/A	21.9	16.2	30.4	20.8	17.5	15.6	16.9
Zinc	109	**132**	42.6	29.9	99.8	ND	20.2	24.8

Notes:
mg/kg = parts per million
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives
BOLD Indicates Result Above Guidance Value

Table No. 9 (Continued):
Soil Analytical Results for Target Analyte List Metals via EPA Method 6010B Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-14: 7.5'-10'	ASR-14: 10'-12.5'	ASR-14: 17.5'-20'	ASR-14: 20'-22.5'	ASR-14: 27.5'-30'	ASR-15: 7.5'-10'	ASR-15: 15'-17.5'
Date Sampled	**----**	**10/29/09**	**10/29/09**	**10/29/09**	**10/29/09**	**10/29/09**	**10/29/09**	**10/29/09**
TAL Metals	**mg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Mercury	0.18	0.11	**0.19**	ND	ND	ND	ND	ND
Aluminum	N/A	7,550	9,010	7,880	5,860	4,640	8,330	5,700
Antimony	N/A	ND	ND	ND	ND	ND	ND	ND
Arsenic	13	1.5	4.5	ND	ND	0.8	1.6	ND
Barium	350	87.8	75.1	52.0	38.8	43.9	81.0	106
Beryllium	7.2	0.32	0.362	0.35	0.193	0.218	0.32	0.232
Cadmium	2.5	0.292	ND	0.374	0.259	0.116	0.42	0.243

Table No. 9 (Continued):
Soil Analytical Results for Target Analyte List Metals via EPA Method 6010B Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-14: 7.5'-10'	ASR-14: 10'-12.5'	ASR-14: 17.5'-20'	ASR-14: 20'-22.5'	ASR-14: 27.5'-30'	ASR-15: 7.5'-10'	ASR-15: 15'-17.5'
Date Sampled	**----**	**10/29/09**	**10/29/09**	**10/29/09**	**10/29/09**	**10/29/09**	**10/29/09**	**10/29/09**
TAL Metals	**mg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Calcium	N/A	36,900	3,480	1,430	981	1,220	35,100	2,690
Chromium	31	11.9	28.3	24.2	13.3	16.7	14.2	10.2
Cobalt	N/A	6.75	7.29	6.34	5.12	6.54	6.13	5.95
Copper	50	20.1	44.7	8.30	6.69	20.4	20.1	14.0
Iron	N/A	16,600	45,200	12,600	11,400	16,300	16,100	12,400
Lead	63	**1,380**	**113**	6.62	6.96	7.48	**2,390**	**275**
Magnesium	N/A	3,100	2,530	2,880	2,240	1,830	3,860	3,480
Manganese	1,600	363	501	101	99.7	430	188	261
Nickel	30	13.0	18.7	13.3	12.8	12.5	13.2	10.6
Potassium	N/A	1,670	1,060	667	612	981	1,680	1,180
Selenium	3.9	ND	ND	ND	ND	ND	ND	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND
Sodium	N/A	291	452	290	267	609	374	318
Thallium	N/A	ND	ND	ND	ND	ND	ND	ND
Vanadium	N/A	18.2	19.3	14.2	11.5	17.8	17.6	13.7
Zinc	109	78.8	65.4	43.8	30.9	18.5	76.0	32.0

Notes:
mg/kg = parts per million
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives
BOLD Indicates Result Above Guidance Value

Table No. 9 (Continued):
Soil Analytical Results for Target Analyte List Metals via EPA Method 6010B Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-16: 0'-2.5'	ASR-16: 7.5'-10'	ASR-16: 10'-12.5'	ASR-16: 17.5'-20'	ASR-16: 20'-22.5'	ASR-16: 25'-27.5'	ASR-17: 7.5'-10'	ASR-17: 15'-17.5'
Date Sampled	**----**	**11/03/09**	**11/03/09**	**11/03/09**	**11/03/09**	**11/03/09**	**11/03/09**	**11/03/09**	**11/03/09**
TAL Metals	**mg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Mercury	0.18	0.09	0.11	0.17	ND	ND	ND	0.09	ND
Aluminum	N/A	8,840	23,900	25,000	5,290	7,070	4,340	23,700	6,220
Antimony	N/A	ND	ND	2.41	ND	ND	ND	ND	ND
Arsenic	13	5.7	ND	ND	ND	1.0	0.9	ND	ND
Barium	350	135	280	211	30.7	54.0	35.0	276	40.1
Beryllium	7.2	1.27	1.36	1.53	0.287	0.30	0.305	1.29	0.36
Cadmium	2.5	0.63	0.60	1.00	0.176	0.263	0.107	0.59	0.222
Calcium	N/A	25,900	1,650	1,460	6,410	2,930	1,650	1,580	10,300
Chromium	31	30.5	**57.2**	**52.2**	10.4	16.4	11.8	76.5	12.7
Cobalt	N/A	18.4	17.1	35.0	5.43	6.54	5.68	21.3	6.87
Copper	50	**256**	47.5	**58.6**	12.6	13.0	**50.1**	43.2	16.3
Iron	N/A	21,300	35,500	35,900	9,680	13,100	10,500	37,600	12,300
Lead	63	**246**	19.0	23.1	11.5	11.0	17.0	9.47	9.09
Magnesium	N/A	14,200	10,800	11,300	5,540	3,780	2,150	11,300	5,460
Manganese	1,600	223	315	287	108	134	162	368	234

Table No. 9 (Continued):
Soil Analytical Results for Target Analyte List Metals via EPA Method 6010B Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-16: 0'-2.5'	ASR-16: 7.5'-10'	ASR-16: 10'-12.5'	ASR-16: 17.5'-20'	ASR-16: 20'-22.5'	ASR-16: 25'-27.5'	ASR-17: 7.5'-10'	ASR-17: 15'-17.5'
Date Sampled	**----**	**11/03/09**	**11/03/09**	**11/03/09**	**11/03/09**	**11/03/09**	**11/03/09**	**11/03/09**	**11/03/09**
TAL Metals	**mg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Nickel	30	51.1	22.0	43.2	9.94	13.4	11.1	25.3	12.1
Potassium	N/A	2,740	11,800	12,700	893	1,020	852	12,200	1,360
Selenium	3.9	1.9	1.52	1.49	ND	ND	ND	2.2	ND
Silver	2	0.118	ND	ND	ND	ND	ND	ND	ND
Sodium	N/A	370	362	335	114	142	140	254	182
Thallium	N/A	ND	ND	ND	ND	ND	0.356	ND	ND
Vanadium	N/A	35.7	64.8	65.8	15.2	16.4	13.1	64.6	17.1
Zinc	109	**800**	**130**	**286**	33.7	35.1	68.7	**142**	35.0

Notes: mg/kg = parts per million N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit **BOLD Indicates Result Above Guidance Value**
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives

Table No. 9 (Continued):
Soil Analytical Results for Target Analyte List Metals via EPA Method 6010B Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-18: 2.5'-5'	ASR-18: 7.5'-10'	ASR-18: 12.5'-15'	ASR-18: 12.5'-15' DUP	ASR-18: 15'-17.5'	ASR-19: 0'-2.5'	ASR-19: 5'-7.5'	ASR-19: 10'-12.5'	ASR-19: 17.5'-20'
Date Sampled	**----**	**11/05/09**	**11/05/09**	**11/05/09**	**11/05/09**	**11/05/09**	**11/05/09**	**11/05/09**	**11/05/09**	**11/05/09**
TAL Metals	**mg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Mercury	0.18	**0.97**	0.18	ND	ND	ND	**0.26**	**0.73**	ND	ND
Aluminum	N/A	10,100	10,400	10,200	8,250	10,400	8,160	8,840	14,500	8,270
Antimony	N/A	ND	ND	ND	ND	ND	ND	2.19	ND	ND
Arsenic	13	2.3	ND	ND	ND	ND	4.5	1.4	ND	0.374
Barium	350	120	103	63.7	47.9	106	119	147	104	56.0
Beryllium	7.2	0.45	0.51	0.44	0.35	0.67	0.40	0.53	0.66	0.36
Cadmium	2.5	0.308	0.323	0.401	0.314	0.50	0.43	0.322	0.486	0.296
Calcium	N/A	5,070	22,400	1,040	861	2,140	28,300	26,000	2,910	3,500
Chromium	31	18.2	27.0	17.3	13.6	30.4	22.2	19.8	23.6	13.9
Cobalt	N/A	9.59	11.1	6.59	5.95	5.42	7.05	9.33	13.7	7.36
Copper	50	44.1	37.7	11.5	11.6	14.5	32.4	31.7	36.3	14.5
Iron	N/A	25,500	20,800	12,800	12,100	9,840	14,300	18,900	23,700	15,300
Lead	63	**115**	**530**	7.41	6.67	11.2	**71.7**	**145**	21.1	6.40
Magnesium	N/A	3,860	4,360	3,030	2,880	2,840	5,190	4,250	6,000	4,580
Manganese	1,600	338	386	159	133	103	225	286	398	131
Nickel	30	16.8	18.8	13.7	12.4	13.8	17.0	16.4	23.3	14.7
Potassium	N/A	2,220	3,560	735	644	753	2,890	3,110	3,340	981
Selenium	3.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	2	ND	ND	ND	ND	ND	0.0709	ND	ND	ND
Sodium	N/A	704	328	176	149	226	465	284	327	109
Thallium	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	N/A	27.6	31.4	17.8	15.6	19.4	30.9	29.3	34.4	17.1
Zinc	109	73.2	70.3	39.0	34.2	49.4	93.9	75.2	72.3	38.6

Notes: mg/kg = parts per million N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit **BOLD Indicates Result Above Guidance Value**
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives

Table No. 9 (Continued):
Soil Analytical Results for Target Analyte List Metals via EPA Method 6010B Exceeding Guidance Values

Client Sample ID	Guidance Values	SB-3: 12.5'-15'	SB-3: 15'-20'	SB-3: 15'-20' DUP	SB-4: 2.5'-5'	SB-4: 7.5'-10'	SB-4: 10'-12.5'	SB-4: 15'-17.5'
Date Sampled	**----**	**10/26/09**	**10/26/09**	**10/26/09**	**10/26/09**	**10/26/09**	**10/26/09**	**10/26/09**
TAL Metals	**mg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Mercury	0.18	**0.81**	ND	ND	ND	ND	0.12	ND
Aluminum	N/A	5,050	13,100	8,070	11,500	13,000	8,690	11,100
Antimony	N/A	ND	ND	ND	ND	ND	ND	ND
Arsenic	13	4.3	1.6	ND	1.5	2.9	4.0	**15.7**
Barium	350	101	82.0	46.1	105	77.9	232	266
Beryllium	7.2	0.48	0.58	0.37	0.48	0.51	0.44	0.50
Cadmium	2.5	1.00	0.44	0.236	0.79	0.54	0.51	0.76
Calcium	N/A	3,180	1,430	1,660	2,100	1,510	4,360	4,000
Chromium	31	15.8	17.7	13.6	23.0	21.2	14.7	25.4
Cobalt	N/A	6.34	8.81	5.59	8.85	8.06	5.94	12.2
Copper	50	**1,100**	20.1	12.7	40.7	**540**	44.5	**66.8**
Iron	N/A	11,600	16,500	10,600	18,800	17,600	16,300	36,600
Lead	63	**461**	20.6	17.4	**78.9**	**65.9**	**311**	**84.8**
Magnesium	N/A	943	3,650	2,400	3,850	4,150	2,890	4,340
Manganese	1,600	205	197	98.4	235	187	200	493
Nickel	30	19.6	17.2	112	19.8	16.7	13.1	24.9
Potassium	N/A	467	834	461	1,580	1,900	869	1,460
Selenium	3.9	ND	ND	ND	ND	ND	ND	ND
Silver	2	0.286	ND	ND	ND	ND	ND	ND
Sodium	N/A	387	176	134	419	269	234	213
Thallium	N/A	ND	ND	ND	ND	ND	ND	ND
Vanadium	N/A	23.8	22.9	15.8	29.4	29.3	22.6	26.7
Zinc	109	**682**	57.6	34.0	**115**	**137**	**259**	**494**

Notes:
mg/kg = parts per million
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives
BOLD Indicates Result Above Guidance Value

Table No. 9 (Continued):
Soil Analytical Results for Target Analyte List Metals via EPA Method 6010B Exceeding Guidance Values

Client Sample ID	Guidance Values	SB-5: 2.5'-5'	SB-5: 7.5'-10'	SB-5: 10'-12.5'	SB-5: 15'-17.5'	SB-6: 7.5'-10'	SB-7: 7.5'-10'	SB-7: 10'-12.5'	SB-7: 12.5'-15'
Date Sampled	**----**	**10/26/09**	**10/26/09**	**10/26/09**	**10/26/09**	**10/27/09**	**10/27/09**	**10/27/09**	**10/27/09**
TAL Metals	**mg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Mercury	0.18	0.16	**0.35**	ND	ND	ND	ND	ND	ND
Aluminum	N/A	12,900	9,090	11,400	5,330	8,680	17,900	5,460	7,300
Antimony	N/A	ND	ND	ND	ND	ND	1.03	0.70	ND
Arsenic	13	1.8	ND	ND	ND	ND	ND	1.5	0.367
Barium	350	80.8	80.4	86.3	32.3	62.8	96.3	**581**	109
Beryllium	7.2	0.46	0.38	0.36	0.239	0.49	0.66	0.38	0.341
Cadmium	2.5	0.48	0.141	0.129	0.0774	0.137	0.231	0.145	ND

Table No. 9 (Continued):
Soil Analytical Results for Target Analyte List Metals via EPA Method 6010B Exceeding Guidance Values

Client Sample ID	Guidance Values	SB-5: 2.5'-5'	SB-5: 7.5'-10'	SB-5: 10'-12.5'	SB-5: 15'-17.5'	SB-6: 7.5'-10'	SB-7: 7.5'-10'	SB-7: 10'-12.5'	SB-7: 12.5'-15'
Date Sampled	**----**	**10/26/09**	**10/26/09**	**10/26/09**	**10/26/09**	**10/27/09**	**10/27/09**	**10/27/09**	**10/27/09**
TAL Metals	**mg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Calcium	N/A	10,900	7,910	3,150	3,220	2,970	1,590	1,590	4,400
Chromium	31	20.5	18.8	30.8	13.5	14.1	29.7	15.4	15.0
Cobalt	N/A	9.15	10.4	12.1	5.26	6.65	15.6	5.85	8.82
Copper	50	27.4	26.9	33.3	15.4	18.1	29.1	**81.0**	25.6
Iron	N/A	18,200	16,700	22,400	11,500	14,200	26,200	17,000	13,700
Lead	63	**75.7**	30.2	39.8	13.7	14.4	24.0	**124**	29.3
Magnesium	N/A	4,370	4,310	5,450	4,240	2,990	7,150	1,000	4,250
Manganese	1,600	248	266	182	154	392	430	137	113
Nickel	30	18.7	18.3	21.2	11.1	12.3	**30.5**	14.2	17.8
Potassium	N/A	1,450	2,970	3,970	796	1,250	4,380	691	2,180
Selenium	3.9	ND	ND	ND	ND	ND	ND	ND	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	N/A	544	295	590	118	303	255	344	259
Thallium	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	N/A	28.9	25.2	33.3	15.0	24.4	42.4	19.3	22.8
Zinc	109	78.0	39.3	67.5	29.1	34.6	66.4	**167**	55.9

Notes:
mg/kg = parts per million
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives
BOLD Indicates Result Above Guidance Value

Table No. 9 (Continued):
Soil Analytical Results for Target Analyte List Metals via EPA Method 6010B Exceeding Guidance Values

Client Sample ID	Guidance Values	SB-8: 2.5'-5'	SB-8: 5'-10'	SB-8: 10'-12.5'	SB-8: 17.5'-20'	SB-9: 7.5'-10'	SB-9: 10'-12.5'	SB-9: 15'-17.5'	SB-9: 15'-17.5' DUP
Date Sampled	**----**	**10/27/09**	**10/27/09**	**10/27/09**	**10/27/09**	**10/27/09**	**10/27/09**	**10/27/09**	**10/27/09**
TAL Metals	**mg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Mercury	0.18	**0.37**	0.12	.015	ND	ND	**0.65**	ND	ND
Aluminum	N/A	14,000	18,900	12,400	11,100	6,030	12,200	8,250	9,830
Antimony	N/A	1.20	ND	ND	ND	ND	ND	ND	ND
Arsenic	13	3.1	ND	ND	4.1	ND	ND	ND	ND
Barium	350	191	215	148	84.3	46.7	122	35.2	45.2
Beryllium	7.2	1.27	0.80	0.59	0.51	0.44	0.50	0.318	0.41
Cadmium	2.5	1.03	0.71	0.74	0.328	ND	ND	0.174	0.229
Calcium	N/A	11,200	7,910	5,570	1,900	31,800	5,710	743	829
Chromium	31	**32.2**	**37.7**	22.8	26.5	9.93	21.8	11.6	13.3
Cobalt	N/A	17.7	13.7	10.2	11.2	4.66	11.2	5.35	6.00
Copper	50	**165**	**58.2**	**57.7**	10.5	11.5	40.4	10.0	12.9
Iron	N/A	27,600	33,000	21,600	15,100	9,450	21,600	12,100	14,600
Lead	63	**310**	**119**	**234**	9.32	7.49	**123**	8.82	9.37
Magnesium	N/A	6,460	9,260	5,340	2,820	4,790	6,730	2,770	3,460
Manganese	1,600	369	334	245	112	320	258	107	126

Table No. 9 (Continued):
Soil Analytical Results for Target Analyte List Metals via EPA Method 6010B Exceeding Guidance Values

Client Sample ID	Guidance Values	SB-8: 2.5'-5'	SB-8: 5'-10'	SB-8: 10'-12.5'	SB-8: 17.5'-20'	SB-9: 7.5'-10'	SB-9: 10'-12.5'	SB-9: 15'-17.5'	SB-9: 15'-17.5' DUP
Date Sampled	**----**	**10/27/09**	**10/27/09**	**10/27/09**	**10/27/09**	**10/27/09**	**10/27/09**	**10/27/09**	**10/27/09**
TAL Metals	**mg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Nickel	30	39.2	22.9	22.3	17.1	9.61	16.3	11.5	14.5
Potassium	N/A	3,670	7,670	4,230	632	1,010	4,840	665	917
Selenium	3.9	ND	ND	ND	ND	ND	ND	ND	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	N/A	324	321	233	217	335	275	172	180
Thallium	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	N/A	42.6	66.6	36.6	24.1	13.0	37.3	14.2	16.7
Zinc	109	**913**	**242**	**304**	47.8	55.9	**118**	28.7	37.4

Notes:
mg/kg = parts per million
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives
BOLD Indicates Result Above Guidance Value

Table No. 10:
Soil Analytical Results for Target Analyte List Metals via EPA Method 6010B Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-20: 7.5'-10'	ASR-20: 10'-12'	ASR-20: 12'-14'	ASR-21: 7.5'-10'	ASR-21: 12.5'-15'	ASR-22: 5'-7.5'	ASR-22: 10'-12.5'	ASR-22: 12.5'-15'
Date Sampled	**----**	**03/22/11**	**03/22/11**	**03/22/11**	**03/23/11**	**03/23/11**	**03/23/11**	**03/23/11**	**03/23/11**
TAL Metals	**mg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Mercury	0.18	ND	ND	ND	**0.207**	0.0649	0.963	0.0337	ND
Aluminum	N/A	10,800	8,610	9,430	12,800	14,300	13,000	8,740	7,600
Antimony	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	13	ND	ND	ND	ND	4.93	4.37	ND	4.43
Barium	350	37.8	56.1	92.7	104	104	177	253	70.3
Beryllium	7.2	ND	ND	ND	0.729	ND	0.683	ND	ND
Cadmium	2.5	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	N/A	1,080	1,690	6,520	6,570	1,560	10,300	2,060	3,200
Chromium	31	14.0	23.2	22.9	25.1	21.9	28.5	15.4	11.9
Cobalt	N/A	8.59	10.1	10.6	12.1	8.33	12.1	4.81	5.51
Copper	50	13.9	32.5	26.1	41.6	16.0	107	6.84	13.1
Iron	N/A	19,100	17,100	16,400	22,700	21,500	24,300	15,400	14,300
Lead	63	8.25	10.5	11.2	**67.8**	17.4	**291**	8.30	5.75
Magnesium	N/A	4,220	4,820	6,060	5,850	4,110	5,770	3,270	4,720
Manganese	1,600	338	378	243	244	183	306	447	142
Nickel	30	15.0	20.2	19.2	20.3	16.5	27.9	11.4	12.5
Potassium	N/A	1,760	3,050	4,350	5,070	1,710	5,370	1,370	1,410
Selenium	3.9	ND	ND	ND	ND	ND	ND	ND	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	N/A	322	406	389	269	163	279	136	138
Thallium	N/A	ND	ND	2.40	3.81	ND	3.52	ND	ND
Vanadium	N/A	20.3	26.6	29.3	24.1	25.3	38.3	15.8	13.8
Zinc	109	57.2	32.1	39.0	59.6	52.6	**182**	41.7	36.6

Notes:
mg/kg = parts per million
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives
BOLD Indicates Result Above Guidance Value

Table No. 11:
Soil Analytical Results for Pesticides via EPA Method 8081, Herbicides via EPA Method 8151 and PCBs via EPA Method 8082

Client Sample ID	Guidance Values	ASR-4: 10'-12'	ASR-4: 12'-14'	ASR-4: 14'-16'	ASR-4: 16'-18'	ASR-4: 18'-20'	ASR-5: 8'-10'	ASR-5: 11'-13'	ASR-5: 14'-16'
Date Sampled	----	**12/10/07**	**12/10/07**	**12/10/07**	**12/10/07**	**12/10/07**	**12/11/07**	**12/11/07**	**12/11/07**
Pesticides	**µg/kg**	----	----	----	----	----	----	----	----
4,4'-DDD	3.3	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	3.3	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	3.3	ND	ND	ND	ND	ND	ND	ND	ND
Alpha-BHC	20	ND	ND	ND	ND	ND	ND	ND	ND
Alachlor	N/A	----	----	----	----	----	----	----	----
Aldrin	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Beta-BHC	36	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane (alpha)	94	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane (gamma)	N/A	ND	ND	ND	ND	ND	4..3	ND	ND
Delta-BHC	40	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	7,000	----	----	----	----	----	----	----	----
Endosulfan I	2,400	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	2,400	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	2,400	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	14	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Ketone	N/A	ND	ND	ND	ND	ND	4.0	ND	ND
Gamma-BHC (Lindane)	100	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	42	ND	ND	ND	ND	ND	1.3	ND	ND
Heptachlor Epoxide	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Herbicides	**µg/kg**	----	----	----	----	----	----	----	----
2,4,5-T	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-TP Acid (Silvex)	3,800	3.7	ND	ND	ND	ND	ND	ND	ND
2,4-D	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4-DB	N/A	----	----	----	----	----	----	----	----
Dalapon	N/A	----	----	----	----	----	----	----	----
Dicamba	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Dichloroprop	N/A	----	----	----	----	----	----	----	----
Dinoseb	N/A	ND	ND	ND	ND	ND	ND	ND	ND
PCBs	**µg/kg**	----	----	----	----	----	----	----	----
Polychlorinated Biphenyls	100*	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
µg/kg = parts per billion
* = Applies to the sum of these substances
---- = Not Reported by Laboratory
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives
BOLD Indicates Result Above Guidance Value

Table No. 11 (Continued):
Soil Analytical Results for Pesticides via EPA Method 8081, Herbicides via EPA Method 8151 and PCB via EPA Method 8082

Client Sample ID	Guidance Values	ASR-6: 9'-11'	ASR-6: 16'-20'	ASR-7: 9'-11'	ASR-7: 11'-16'	ASR-8: 1'-6'	ASR-8: 6'-11'	ASR-8: 11'-12'	ASR-9: 11'-13'	ASR-10: 11'-16'
Date Sampled	----	12/14/07	12/14/07	12/14/07	12/14/07	12/18/07	12/18/07	12/18/07	12/17/07	12/17/07
Pesticides	µg/kg	----	----	----	----	----	----	----	----	----
4,4'-DDD	3.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	3.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	3.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Alpha-BHC	20	ND	ND	ND	ND	ND	ND	ND	ND	ND
Alachlor	N/A	----	----	----	----	----	----	----	----	----
Aldrin	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Beta-BHC	36	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane (alpha)	94	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane (gamma)	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Delta-BHC	40	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	7,000	----	----	----	----	----	----	----	----	----
Endosulfan I	2,400	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	2,400	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	2,400	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	14	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Ketone	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gamma-BHC (Lindane)	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	42	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Herbicides	µg/kg	----	----	----	----	----	----	----	----	----
2,4,5-T	N/A	ND	ND	ND	ND	ND	ND	ND	ND	8.5
2,4,5-TP Acid (Silvex)	3,800	6.8	ND	4.1	ND	8.7	ND	ND	ND	ND
2,4-D	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-DB	N/A	----	----	----	----	----	----	----	----	----
Dalapon	N/A	----	----	----	----	----	----	----	----	----
Dicamba	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloroprop	N/A	----	----	----	----	----	----	----	----	----
Dinoseb	N/A	ND	ND	ND	ND	ND	ND	2.7	3.6	ND
PCBs	µg/kg	----	----	----	----	----	----	----	----	----
Polychlorinated Biphenyls	100*	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
µg/kg = parts per billion
* = Applies to the sum of these substances
---- = Not Reported by Laboratory
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives
BOLD Indicates Result Above Guidance Value

Table No. 11 (Continued):
Soil Analytical Results for Pesticides via EPA Method 8081, Herbicides via EPA Method 8151 and PCB via EPA Method 8082

Client Sample ID	Guidance Values	ASR-11: 12'-14'	ASR-11: 12'-14' DUP	SB-1: 10'-12'	SB-1: 15'-20'	SB-1: 15'-20' DUP	SB-2: 10'-12'	SB-2: 16'-18'	SB-2: 18'-20'
Date Sampled	**----**	**01/15/08**	**01/15/08**	**12/13/07**	**12/13/07**	**12/13/07**	**12/10/07**	**12/10/07**	**12/10/07**
Pesticides	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
4,4'-DDD	3.3	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	3.3	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	3.3	ND	ND	ND	ND	ND	ND	ND	ND
Alpha-BHC	20	ND	ND	ND	ND	ND	ND	ND	ND
Alachlor	N/A	----	----	----	----	----	----	----	----
Aldrin	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Beta-BHC	36	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane (alpha)	94	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane (gamma)	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Delta-BHC	40	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	7,000	----	----	----	----	----	----	----	----
Endosulfan I	2,400	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	2,400	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	2,400	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	14	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Ketone	N/A	ND	ND	2.0	ND	ND	ND	ND	ND
Gamma-BHC (Lindane)	100	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	42	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Herbicides	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
2,4,5-T	N/A	6.0	ND	ND	ND	ND	ND	ND	ND
2,4,5-TP Acid (Silvex)	3,800	ND	ND	ND	ND	ND	4.3	ND	ND
2,4-D	N/A	25	ND	ND	ND	ND	ND	ND	ND
2,4-DB	N/A	----	----	----	----	----	----	----	----
Dalapon	N/A	----	----	----	----	----	----	----	----
Dicamba	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Dichloroprop	N/A	----	----	----	----	----	----	----	----
Dinoseb	N/A	ND	ND	ND	ND	ND	ND	ND	ND
PCBs	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Polychlorinated Biphenyls	100*	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
µg/kg = parts per billion
* = Applies to the sum of these substances
---- = Not Reported by Laboratory
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives
BOLD Indicates Result Above Guidance Value

Table No. 12:
Soil Analytical Results for Pesticides via EPA Method 8081, Herbicides via EPA Method 8151 and PCB via EPA Method 8082

Client Sample ID	Guidance Values	ASR-12: 0'-5'	ASR-12: 5'-10'	ASR-12: 10'-13.5'	ASR-13: 0'-5'	ASR-13: 5'-10'	ASR-13: 5'-10' DUP	ASR-13: 10'-14.5'
Date Sampled	**----**	**10/30/09**	**10/30/09**	**10/30/09**	**10/30/09**	**10/30/09**	**10/30/09**	**10/30/09**
Pesticides	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
4,4'-DDD	3.3	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	3.3	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	3.3	ND	ND	ND	ND	ND	ND	ND
Alpha-BHC	20	ND	ND	ND	ND	ND	ND	ND
Alachlor	N/A	ND	ND	ND	ND	ND	ND	ND
Aldrin	5.0	ND	ND	ND	ND	ND	ND	ND
Beta-BHC	36	ND	ND	ND	ND	ND	ND	ND
Chlordane (alpha)	94	ND	ND	ND	ND	ND	ND	ND
Chlordane (gamma)	N/A	----	----	----	----	----	----	----
Delta-BHC	40	ND	ND	ND	ND	ND	ND	ND
Dieldrin	5.0	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	7,000	----	----	----	----	----	----	----
Endosulfan I	2,400	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	2,400	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	2,400	ND	ND	ND	ND	ND	ND	ND
Endrin	14	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	N/A	ND	ND	ND	ND	ND	ND	ND
Endrin Ketone	N/A	ND	ND	ND	ND	ND	ND	ND
Gamma-BHC (Lindane)	100	ND	ND	ND	ND	ND	ND	ND
Heptachlor	42	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	N/A	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	N/A	ND	ND	ND	ND	ND	ND	ND
Toxaphene	N/A	ND	ND	ND	ND	ND	ND	ND
Herbicides	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
2,4,5-T	N/A	ND	ND	ND	ND	ND	ND	ND
2,4,5-TP Acid (Silvex)	3,800	ND	ND	ND	ND	ND	ND	ND
2,4-D	N/A	ND	ND	ND	ND	ND	ND	ND
2,4-DB	N/A	ND	ND	ND	ND	ND	ND	ND
Dalapon	N/A	ND	ND	ND	ND	ND	ND	ND
Dicamba	N/A	ND	ND	ND	ND	ND	ND	ND
Dichloroprop	N/A	ND	ND	ND	ND	ND	ND	ND
Dinoseb	N/A	ND	ND	ND	ND	ND	ND	ND
PCBs	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Polychlorinated Biphenyls	100*	ND	ND	ND	ND	ND	ND	ND

Notes:
µg/kg = parts per billion
* = Applies to the sum of these substances
---- = Not Reported by Laboratory
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives
BOLD Indicates Result Above Guidance Value

Table No. 12 (Continued):
Soil Analytical Results for Pesticides via EPA Method 8081, Herbicides via EPA Method 8151 and PCB via EPA Method 8082

Client Sample ID	Guidance Values	ASR-14: 7.5'-10'	ASR-14: 10'-12.5'	ASR-14: 17.5'-20'	ASR-14: 20'-22.5'	ASR-14: 27.5'-30'	ASR-15: 7.5'-10'	ASR-15: 15'-17.5'
Date Sampled	**----**	**10/29/09**	**10/29/09**	**10/29/09**	**10/29/09**	**10/29/09**	**10/29/09**	**10/29/09**
Pesticides	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
4,4'-DDD	3.3	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	3.3	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	3.3	ND	ND	ND	ND	ND	ND	ND
Alpha-BHC	20	ND	ND	ND	ND	ND	ND	ND
Alachlor	N/A	ND	ND	ND	ND	ND	ND	ND
Aldrin	5.0	ND	ND	ND	ND	ND	ND	ND
Beta-BHC	36	ND	ND	ND	ND	ND	ND	ND
Chlordane (alpha)	94	ND	ND	ND	ND	ND	ND	ND
Chlordane (gamma)	N/A	----	----	----	----	----	----	----
Delta-BHC	40	ND	ND	ND	ND	ND	ND	ND
Dieldrin	5.0	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	7,000	----	----	----	----	----	----	----
Endosulfan I	2,400	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	2,400	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	2,400	ND	ND	ND	ND	ND	ND	ND
Endrin	14	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	N/A	ND	ND	ND	ND	ND	ND	ND
Endrin Ketone	N/A	ND	ND	ND	ND	ND	ND	ND
Gamma-BHC (Lindane)	100	ND	ND	ND	ND	ND	ND	ND
Heptachlor	42	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	N/A	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	N/A	ND	ND	ND	ND	ND	ND	ND
Toxaphene	N/A	ND	ND	ND	ND	ND	ND	ND
Herbicides	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
2,4,5-T	N/A	ND	ND	ND	ND	ND	ND	ND
2,4,5-TP Acid (Silvex)	3,800	ND	ND	ND	ND	ND	ND	ND
2,4-D	N/A	ND	ND	ND	ND	ND	ND	ND
2,4-DB	N/A	ND	ND	ND	ND	ND	ND	ND
Dalapon	N/A	ND	ND	ND	ND	ND	ND	ND
Dicamba	N/A	ND	ND	ND	ND	ND	ND	ND
Dichloroprop	N/A	ND	ND	ND	ND	ND	ND	ND
Dinoseb	N/A	ND	ND	ND	ND	ND	ND	ND
PCBs	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Polychlorinated Biphenyls	100*	ND	ND	ND	ND	ND	ND	ND

Notes:
µg/kg = parts per billion
* = Applies to the sum of these substances
---- = Not Reported by Laboratory
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives
BOLD Indicates Result Above Guidance Value

Table No. 12 (Continued):
Soil Analytical Results for Pesticides via EPA Method 8081, Herbicides via EPA Method 8151 and PCB via EPA Method 8082

Client Sample ID	Guidance Values	ASR-16: 0'-2.5'	ASR-16: 7.5'-10'	ASR-16: 10'-12.5'	ASR-16: 17.5'-20'	ASR-16: 20'-22.5'	ASR-16: 25'-27.5'	ASR-17: 7.5'-10'	ASR-17: 15'-17.5'
Date Sampled	**----**	**11/03/09**	**11/03/09**	**11/03/09**	**11/03/09**	**11/03/09**	**11/03/09**	**11/03/09**	**11/03/09**
Pesticides	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
4,4'-DDD	3.3	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	3.3	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	3.3	ND	ND	ND	ND	ND	ND	ND	ND
Alpha-BHC	20	ND	ND	ND	ND	ND	ND	ND	ND
Alachlor	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Beta-BHC	36	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane (alpha)	94	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane (gamma)	N/A	----	----	----	----	----	----	----	----
Delta-BHC	40	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	7,000	----	----	----	----	----	----	----	----
Endosulfan I	2,400	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	2,400	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	2,400	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	14	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Ketone	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Gamma-BHC (Lindane)	100	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	42	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Herbicides	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
2,4,5-T	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-TP Acid (Silvex)	3,800	ND	ND	ND	ND	ND	ND	ND	ND
2,4-D	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4-DB	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Dalapon	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Dicamba	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Dichloroprop	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Dinoseb	N/A	ND	ND	ND	ND	ND	ND	ND	ND
PCBs	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Polychlorinated Biphenyls	100*	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
µg/kg = parts per billion
* = Applies to the sum of these substances
---- = Not Reported by Laboratory
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives
BOLD Indicates Result Above Guidance Value

Table No. 12 (Continued):
Soil Analytical Results for Pesticides via EPA Method 8081, Herbicides via EPA Method 8151 and PCB via EPA Method 8082

Client Sample ID	Guidance Values	ASR-18: 2.5'-5'	ASR-18: 7.5'-10'	ASR-18: 12.5'-15'	ASR-18: 12.5'-15' DUP	ASR-18: 15'-17.5'	ASR-19: 0'-2.5'	ASR-19: 5'-7.5'	ASR-19: 10'-12.5'	ASR-19: 17.5'-20'
Date Sampled	**----**	**11/05/09**	**11/05/09**	**11/05/09**	**11/05/09**	**11/05/09**	**11/05/09**	**11/05/09**	**11/05/09**	**11/05/09**
Pesticides	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
4,4'-DDD	3.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	3.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	3.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Alpha-BHC	20	ND	ND	ND	ND	ND	ND	ND	ND	ND
Alachlor	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Beta-BHC	36	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane (alpha)	94	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane (gamma)	N/A	----	----	----	----	----	----	----	----	----
Delta-BHC	40	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	7,000	----	----	----	----	----	----	----	----	----
Endosulfan I	2,400	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	2,400	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	2,400	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	14	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Ketone	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gamma-BHC (Lindane)	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	42	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Herbicides	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
2,4,5-T	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-TP Acid (Silvex)	3,800	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-D	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-DB	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dalapon	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dicamba	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloroprop	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dinoseb	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Polychlorinated Biphenyls	100*	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
µg/kg = parts per billion
* = Applies to the sum of these substances
---- = Not Reported by Laboratory
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives
BOLD Indicates Result Above Guidance Value

Table No. 12 (Continued):
Soil Analytical Results for Pesticides via EPA Method 8081, Herbicides via EPA Method 8151 and PCB via EPA Method 8082

Client Sample ID	Guidance Values	SB-3: 15'-20'	SB-3: 15'-20' DUP	SB-4: 2.5'-5'	SB-4: 7.5'-10'	SB-4: 10'-12.5'	SB-4: 15'-17.5'
Date Sampled	----	**10/26/09**	**10/26/09**	**10/26/09**	**10/26/09**	**10/26/09**	**10/26/09**
Pesticides	**µg/kg**	----	----	----	----	----	----
4,4'-DDD	3.3	ND	ND	ND	ND	ND	ND
4,4'-DDE	3.3	ND	ND	ND	ND	ND	ND
4,4'-DDT	3.3	ND	ND	ND	ND	ND	ND
Alpha-BHC	20	ND	ND	ND	ND	ND	ND
Alachlor	N/A	ND	ND	ND	ND	ND	ND
Aldrin	5.0	ND	ND	ND	ND	ND	ND
Beta-BHC	36	ND	ND	ND	ND	ND	ND
Chlordane (alpha)	94	ND	ND	ND	ND	ND	ND
Chlordane (gamma)	N/A	----	----	----	----	----	----
Delta-BHC	40	ND	ND	ND	ND	ND	ND
Dieldrin	5.0	ND	ND	ND	ND	ND	ND
Dibenzofuran	7,000	----	----	----	----	----	----
Endosulfan I	2,400	ND	ND	ND	ND	ND	ND
Endosulfan II	2,400	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	2,400	ND	ND	ND	ND	ND	ND
Endrin	14	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	N/A	ND	ND	ND	ND	ND	ND
Endrin Ketone	N/A	ND	ND	ND	ND	ND	ND
Gamma-BHC (Lindane)	100	ND	ND	ND	ND	ND	ND
Heptachlor	42	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	N/A	ND	ND	ND	ND	ND	ND
Methoxychlor	N/A	ND	ND	ND	ND	ND	ND
Toxaphene	N/A	ND	ND	ND	ND	ND	ND
Herbicides	**µg/kg**	----	----	----	----	----	----
2,4,5-T	N/A	ND	ND	ND	ND	ND	ND
2,4,5-TP Acid (Silvex)	3,800	ND	ND	ND	ND	ND	ND
2,4-D	N/A	ND	ND	ND	ND	ND	ND
2,4-DB	N/A	ND	ND	ND	ND	ND	ND
Dalapon	N/A	ND	ND	ND	ND	ND	ND
Dicamba	N/A	ND	ND	ND	ND	ND	ND
Dichloroprop	N/A	ND	ND	ND	ND	ND	ND
Dinoseb	N/A	ND	ND	ND	ND	ND	ND
PCBs	**µg/kg**	----	----	----	----	----	----
Polychlorinated Biphenyls	100*	ND	ND	ND	ND	ND	ND

Notes:
µg/kg = parts per billion
* = Applies to the sum of these substances
---- = Not Reported by Laboratory
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives
BOLD Indicates Result Above Guidance Value

Table No. 12 (Continued):
Soil Analytical Results for Pesticides via EPA Method 8081, Herbicides via EPA Method 8151 and PCB via EPA Method 8082

Client Sample ID	Guidance Values	SB-5: 2.5'-5'	SB-5: 15'-17.5'	SB-6: 7.5'-10'	SB-7: 7.5'-10'	SB-7: 10'-12.5'	SB-7: 12.5'-15'
Date Sampled	**----**	**10/26/09**	**10/26/09**	**10/27/09**	**10/27/09**	**10/27/09**	**10/27/09**
Pesticides	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**
4,4'-DDD	3.3	ND	ND	ND	ND	ND	ND
4,4'-DDE	3.3	ND	ND	ND	ND	ND	ND
4,4'-DDT	3.3	ND	ND	ND	ND	ND	ND
Alpha-BHC	20	ND	ND	ND	ND	ND	ND
Alachlor	N/A	ND	ND	ND	ND	ND	ND
Aldrin	5.0	ND	ND	ND	ND	ND	ND
Beta-BHC	36	ND	ND	ND	ND	ND	ND
Chlordane (alpha)	94	ND	ND	ND	ND	ND	ND
Chlordane (gamma)	N/A	----	----	----	----	----	----
Delta-BHC	40	ND	ND	ND	ND	ND	ND
Dieldrin	5.0	ND	ND	ND	ND	ND	ND
Dibenzofuran	7,000	----	----	----	----	----	----
Endosulfan I	2,400	ND	ND	ND	ND	ND	ND
Endosulfan II	2,400	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	2,400	ND	ND	ND	ND	ND	ND
Endrin	14	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	N/A	ND	ND	ND	ND	ND	ND
Endrin Ketone	N/A	ND	ND	ND	ND	ND	ND
Gamma-BHC (Lindane)	100	ND	ND	ND	ND	ND	ND
Heptachlor	42	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	N/A	ND	ND	ND	ND	ND	ND
Methoxychlor	N/A	ND	ND	ND	ND	ND	ND
Toxaphene	N/A	ND	ND	ND	ND	ND	ND
Herbicides	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**
2,4,5-T	N/A	ND	ND	ND	ND	ND	ND
2,4,5-TP Acid (Silvex)	3,800	ND	ND	ND	ND	ND	ND
2,4-D	N/A	ND	ND	ND	ND	ND	ND
2,4-DB	N/A	ND	ND	ND	ND	ND	ND
Dalapon	N/A	ND	ND	ND	ND	ND	ND
Dicamba	N/A	ND	ND	ND	ND	ND	ND
Dichloroprop	N/A	ND	ND	ND	ND	ND	ND
Dinoseb	N/A	ND	ND	ND	ND	ND	ND
PCBs	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**
Polychlorinated Biphenyls	100*	ND	ND	ND	ND	ND	ND

Notes:
µg/kg = parts per billion
* = Applies to the sum of these substances
---- = Not Reported by Laboratory
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives
BOLD Indicates Result Above Guidance Value

Table No. 12 (Continued):
Soil Analytical Results for Pesticides via EPA Method 8081, Herbicides via EPA Method 8151 and PCB via EPA Method 8082

Client Sample ID	Guidance Values	SB-8: 2.5'-5'	SB-8: 5'-10'	SB-8: 10'-12.5'	SB-8: 17.5'-20'	SB-9: 7.5'-10'	SB-9: 10'-12.5'	SB-9: 15'-17.5'	SB-9: 15'-17.5' DUP
Date Sampled	----	**10/27/09**	**10/27/09**	**10/27/09**	**10/27/09**	**10/27/09**	**10/27/09**	**10/27/09**	**10/27/09**
Pesticides	**µg/kg**	----	----	----	----	----	----	----	----
4,4'-DDD	3.3	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	3.3	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	3.3	ND	ND	ND	ND	ND	ND	ND	ND
Alpha-BHC	20	ND	ND	ND	ND	ND	ND	ND	ND
Alachlor	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Beta-BHC	36	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane (alpha)	94	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane (gamma)	N/A	----	----	----	----	----	----	----	----
Delta-BHC	40	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	7,000	----	----	----	----	----	----	----	----
Endosulfan I	2,400	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	2,400	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	2,400	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	14	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Ketone	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Gamma-BHC (Lindane)	100	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	42	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Herbicides	**µg/kg**	----	----	----	----	----	----	----	----
2,4,5-T	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-TP Acid (Silvex)	3,800	ND	ND	ND	ND	ND	ND	ND	ND
2,4-D	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4-DB	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Dalapon	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Dicamba	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Dichloroprop	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Dinoseb	N/A	ND	ND	ND	ND	ND	ND	ND	ND
PCBs	**µg/kg**	----	----	----	----	----	----	----	----
Polychlorinated Biphenyls	100*	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
µg/kg = parts per billion
* = Applies to the sum of these substances
---- = Not Reported by Laboratory
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
Guidance Values = NYSDEC 6 NYCRR Part 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives
BOLD Indicates Result Above Guidance Value

Table No. 13: Well Development Log		
Well No.	**Date Installed**	**Gallons of Water Removed During Development**
ASR-1	10/16/06	35
ASR-2	10/03/06	30
ASR-3	10/04/06	20
ASR-4	12/10/07	30
ASR-5	12/11/07	30
ASR-6	12/14/07	20
ASR-7	12/14/07	30
ASR-8	12/18/07	30
ASR-9	12/17/07	30
ASR-10	12/17/07	45
ASR-11	01/15/08	30
ASR-14	10/29/09	45
ASR-15	10/29/09	30
ASR-16	11/03/09	40
ASR-17	11/03/09	35
ASR-18	11/05/09	30
ASR-19	11/05/09	25
ASR-20	3/22/2011	30
ASR-21	3/23/2011	25
ASR-22	3/23/2011	30

Table No. 14: Groundwater Analytical Results for Volatile Organic Compounds via EPA Method 8260 Exceeding Guidance Values							
Client Sample ID	**Guidance Values**	**ASR-4**	**ASR-5**	**ASR-6**	**ASR-7**	**ASR-7 DUP**	**ASR-8**
Date Sampled	**----**	**2/8/2008**	**2/8/2008**	**2/8/2008**	**2/8/2008**	**2/8/2008**	**2/8/2008**
Volatiles List	**µg/L**	**----**	**----**	**----**	**----**	**----**	**----**
1,1,1,2-Tetrachloroethane	5	----	----	----	----	----	----
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	ND	ND
1,1,2-trichloro-1,2,2-trifloroethane (Freon 113)	5	----	----	----	----	----	----
1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	5	ND	ND	ND	ND	ND	ND
1,1-Dichloropropylene	5	----	----	----	----	----	----
1,2,3-Trichlorobenzene	N/A	----	----	----	----	----	----
1,2,3-Trichloropropane	0.04	----	----	----	----	----	----
1,2,4-Trichlorobenzene	N/A	----	----	----	----	----	----
1,2,4-Trimethylbenzene	5	----	----	----	----	----	----
1,2-Dibromo-3-chloropropane	0.04	----	----	----	----	----	----
1,2-Dibromoethane	N/A	----	----	----	----	----	----
1,2-Dichlorobenzene	3	----	----	----	----	----	----
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	1	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	----	----	----	----	----	----
1,3-Dichlorobenzene	3	----	----	----	----	----	----
1,3-Dichloropropane	5	----	----	----	----	----	----
1,4-Dichlorobenzene	3	----	----	----	----	----	----
2,2-Dichloropropane	5	----	----	----	----	----	----
2-Chlorotoluene	5	----	----	----	----	----	----
4-Chlorotoluene	5	----	----	----	----	----	----
2-Isopropyltoluene	5	----	----	----	----	----	----
Benzene	0.7	**47**	**5**	**270**	**1**	**2**	**1**
Bromobenzene	5	----	----	----	----	----	----
Bromochloromethane	5	----	----	----	----	----	----
Bromodichloromethane	50	ND	ND	ND	ND	ND	ND
Bromoform	50	ND	ND	ND	ND	ND	ND
Bromomethane	5	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	1	ND	ND	ND	ND
Chloromethane	N/A	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethylene	5	ND	ND	**70**	ND	ND	ND
Cis-1,3-Dichloropropylene	N/A	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50	ND	ND	ND	ND	ND	ND
Dibromomethane	5	----	----	----	----	----	----

Table No. 14:
Groundwater Analytical Results for Volatile Organic Compounds via EPA Method 8260 Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-4	ASR-5	ASR-6	ASR-7	ASR-7 DUP	ASR-8
Date Sampled	**----**	**2/8/2008**	**2/8/2008**	**2/8/2008**	**2/8/2008**	**2/8/2008**	**2/8/2008**
Volatiles List	**µg/L**	**----**	**----**	**----**	**----**	**----**	**----**
Dichlorodifluoromethane	5	----	----	----	----	----	----
Ethyl benzene	5	**280**	3	**16**	4	4	ND
Hexachlorobutadiene	0.5	----	----	----	----	----	----
Isopropylbenzene	5	----	----	----	----	----	----
Methyl-tert-butyl ether (MtBE)	10	----	----	----	----	----	----
Methylene Chloride	5	ND	ND	ND	ND	ND	ND
Naphthalene	10	----	----	----	----	----	----
n-Butylbenzene	5	----	----	----	----	----	----
n-Propylbenzene	5	----	----	----	----	----	----
o-Xylene	5	----	----	----	----	----	----
p- & m- Xylenes	5	----	----	----	----	----	----
Xylenes (Total)	10	**1,000**	**13**	**43**	**39**	**43**	ND
p-Isopropyltoluene	5	----	----	----	----	----	----
sec-Butylbenzene	5	----	----	----	----	----	----
Styrene	5	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5	----	----	----	----	----	----
Tetrachloroethylene	5	ND	3	ND	1	1	3
Toluene	5	**290**	**10**	**6**	3	4	ND
Trans-1,2-Dichloroethylene	5	----	----	----	----	----	----
Trans-1,3-Dichloropropylene	N/A	ND	ND	ND	ND	ND	ND
Trichloroethylene	5	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	5	----	----	----	----	----	----
Vinyl Chloride	2	ND	ND	**44**	ND	ND	ND

Notes:
µg/L = parts per billion
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
---- = Not Reported by Laboratory
Guidance Values = Guidance Values = NYSDEC TOGS 1.1.1 – Table 1
BOLD Indicates Result Above Guidance Value

Table No. 15: Groundwater Analytical Results for Volatile Organic Compounds via EPA Method 8260 Exceeding Guidance Values										
Client Sample ID	**Guidance Values**	**ASR-1**	**ASR-2**	**ASR-3**	**ASR-4**	**ASR-5**	**ASR-5 DUP**	**ASR-6**	**ASR-8**	**ASR-9**
Date Sampled	**----**	**12/3/09**	**12/1/09**	**12/1/09**	**12/1/09**	**12/1/09**	**12/1/09**	**12/1/09**	**12/1/09**	**11/30/09**
Volatiles List	**µg/L**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
1,1,1,2-Tetrachloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloro-1,2,2-trifloroethane (Freon 113)	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	0.20	ND	ND	**53**	0.38	0.45	3.1	ND	ND
1,2-Dibromo-3-chloropropane	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	0.12	ND	ND	**11**	0.21	0.25	0.69	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Isopropyltoluene	5	0.44	ND	ND	ND	ND	ND	2.2	ND	ND
Benzene	0.7	**8.9**	ND	ND	**4.3**	**1.3**	**1.6**	**130**	ND	ND
Bromobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	1.1	ND	ND	1.1	1.1	ND	0.49	0.18
Chloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethylene	5	**11**	ND	ND	ND	ND	0.12	**6.8**	ND	0.81
Cis-1,3-Dichloropropylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table No. 15:
Groundwater Analytical Results for Volatile Organic Compounds via EPA Method 8260 Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-1	ASR-2	ASR-3	ASR-4	ASR-5	ASR-5 DUP	ASR-6	ASR-8	ASR-9
Date Sampled	**----**	**12/3/09**	**12/1/09**	**12/1/09**	**12/1/09**	**12/1/09**	**12/1/09**	**12/1/09**	**12/1/09**	**11/30/09**
Volatiles List	**µg/L**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Dichlorodifluoromethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl benzene	5	2.2	ND	ND	**23**	0.94	1.1	2.4	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	0.21	**11**	ND	ND	**10**	ND	ND
Methyl-tert-butyl ether (MtBE)	10	**11**	ND	1.6	1.4	0.55	0.64	6.6	ND	ND
Methylene Chloride	5	ND	ND	0.12	ND	0.12	0.09	ND	ND	0.08
Naphthalene	10	ND	ND	0.24	7.2	ND	ND	2.0	ND	ND
n-Butylbenzene	5	3.0	ND	ND	1.6	ND	ND	2.2	ND	ND
n-Propylbenzene	5	2.3	ND	ND	**14**	ND	0.12	**9.1**	ND	ND
o-Xylene	5	ND	ND	ND	4.8	ND	0.20	1.6	ND	ND
p- & m- Xylenes	5	0.33	ND	ND	**55**	1.6	1.9	**7.1**	ND	ND
Xylenes (Total)	10	----	----	----	----	----	----	----	----	----
p-Isopropyltoluene	5	ND	ND	ND	0.37	ND	ND	ND	ND	ND
sec-Butylbenzene	5	3.3	ND	0.20	1.5	ND	ND	3.6	ND	ND
Styrene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5	0.34	ND	ND	0.36	ND	ND	0.57	ND	ND
Tetrachloroethylene	5	0.17	1.9	ND	ND	2.0	2.0	ND	1.8	0.99
Toluene	5	0.29	ND	0.65	1.5	0.52	0.53	1.4	ND	0.21
Trans-1,2-Dichloroethylene	5	0.12	ND	ND	ND	ND	ND	0.69	ND	ND
Trans-1,3-Dichloropropylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	5	0.59	0.13	ND	ND	0.16	0.22	ND	0.20	0.45
Trichlorofluoromethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	**12**	ND	ND	ND	ND	ND	**11**	ND	ND

Notes:
µg/L = parts per billion
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
---- = Not Reported by Laboratory
Guidance Values = Guidance Values = NYSDEC TOGS 1.1.1 – Table 1
BOLD Indicates Result Above Guidance Value

Table No. 15 (Continued):
Groundwater Analytical Results for Volatile Organic Compounds via EPA Method 8260 Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-10	ASR-11	ASR-14	ASR-15	ASR-16	ASR-17	ASR-18	ASR-19
Date Sampled	**----**	**11/30/09**	**12/1/09**	**12/1/09**	**12/1/09**	**11/30/09**	**11/30/09**	**11/30/09**	**11/30/09**
Volatiles List	**µg/L**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
1,1,1,2-Tetrachloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloro-1,2,2-trifloroethane (Freon 113)	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropylene	5	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.04	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	**170**	**14**	0.083	0.13	**92**	**42**
1,2-Dibromo-3-chloropropane	0.04	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	1	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	**48**	3.8	ND	0.11	**25**	**7.2**
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	5	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	5	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	5	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	5	ND	ND	ND	ND	ND	ND	ND	ND
2-Isopropyltoluene	5	ND	ND	1.3	ND	0.61	0.61	0.90	2.3
Benzene	0.7	ND	ND	**15**	**1.4**	**1.3**	**11**	**160**	**7.4**
Bromobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	50	ND	ND	0.28	ND	ND	ND	ND	ND
Bromoform	50	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	5	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	0.35	ND	ND	ND	0.24	ND	ND	ND
Chloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethylene	5	4.9	ND	0.50	ND	**21**	53	**33**	**6.7**
Cis-1,3-Dichloropropylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	5	ND	ND	ND	ND	ND	ND	ND	ND

Table No. 15 (Continued):
Groundwater Analytical Results for Volatile Organic Compounds via EPA Method 8260 Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-10	ASR-11	ASR-14	ASR-15	ASR-16	ASR-17	ASR-18	ASR-19
Date Sampled	**----**	**11/30/09**	**12/1/09**	**12/1/09**	**12/1/09**	**11/30/09**	**11/30/09**	**11/30/09**	**11/30/09**
Volatiles List	**µg/L**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Dichlorodifluoromethane	5	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl benzene	5	ND	ND	**72**	**11**	0.16	1.7	**65**	**9.1**
Hexachlorobutadiene	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	**43**	3.0	1.3	**8.9**	**14**	**28**
Methyl-tert-butyl ether (MtBE)	10	ND	ND	3.2	0.78	0.59	9.5	6.3	3.6
Methylene Chloride	5	0.11	0.10	0.09	ND	0.17	0.11	ND	0.49
Naphthalene	10	ND	ND	**74**	6.0	ND	ND	**22**	**13**
n-Butylbenzene	5	ND	ND	**13**	1.0	1.5	2.7	3.5	**11**
n-Propylbenzene	5	ND	ND	**86**	**5.1**	0.86	1.6	**32**	**110**
o-Xylene	5	ND	ND	4.4	0.91	ND	ND	3.2	0.44
p- & m- Xylenes	5	ND	ND	**56**	**9.0**	ND	0.51	**110**	3.8
Xylenes (Total)	10	----	----	----	----	----	----	----	----
p-Isopropyltoluene	5	ND	ND	2.0	0.20	2.8	ND	1.8	1.1
sec-Butylbenzene	5	ND	ND	**8.3**	0.49	1.5	3.7	3.7	**14**
Styrene	5	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5	ND	ND	0.51	ND	0.19	0.34	0.61	0.86
Tetrachloroethylene	5	**11**	ND	1.3	ND	2.9	3.1	ND	1.4
Toluene	5	0.26	0.76	1.0	0.40	0.36	0.39	2.1	ND
Trans-1,2-Dichloroethylene	5	0.82	ND	ND	ND	0.097	0.27	0.99	ND
Trans-1,3-Dichloropropylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	5	4.2	ND	ND	0.17	1.4	1.7	ND	ND
Trichlorofluoromethane	5	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	ND	ND	0.12	ND	**2.0**	**28**	**38**	**6.7**

Notes:
µg/L = parts per billion
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
---- = Not Reported by Laboratory
Guidance Values = Guidance Values = NYSDEC TOGS 1.1.1 – Table 1
BOLD Indicates Result Above Guidance Value

Table No. 16: Groundwater Analytical Results for Volatile Organic Compounds via EPA Method 8260 Exceeding Guidance Values									
Client Sample ID	**Guidance Values**	**ASR-1**	**ASR-1 DUP**	**ASR-2**	**ASR-3**	**ASR-4**	**ASR-5**	**ASR-6**	**ASR-7**
Date Sampled	**----**	**4/1/11**	**4/1/11**	**3/31/11**	**3/31/11**	**4/1/11**	**3/31/11**	**4/1/11**	**3/31/11**
Volatiles List	**µg/L**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
1,1,1,2-Tetrachloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloro-1,2,2-trifloroethane (Freon 113)	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropylene	5	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.04	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	2.00	1.85	ND	ND	**174**	ND	ND	**279**
1,2-Dibromo-3-chloropropane	0.04	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	1	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	**36.0**	ND	ND	**50.2**
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	5	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	5	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	5	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	5	ND	ND	ND	ND	ND	ND	ND	ND
2-Isopropyltoluene	5	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	0.7	**14.7**	**15.1**	ND	ND	**22.1**	**1.28**	**204**	**19.1**
Bromobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	50	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	50	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	5	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	1.48	ND	ND	1.38	ND	ND
Chloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethylene	5	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,3-Dichloropropylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	5	ND	ND	ND	ND	ND	ND	ND	ND

Table No. 16:
Groundwater Analytical Results for Volatile Organic Compounds via EPA Method 8260 Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-1	ASR-1 DUP	ASR-2	ASR-3	ASR-4	ASR-5	ASR-6	ASR-7
Date Sampled	**----**	**4/1/11**	**4/1/11**	**3/31/11**	**3/31/11**	**4/1/11**	**3/31/11**	**4/1/11**	**3/31/11**
Volatiles List	**µg/L**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Dichlorodifluoromethane	5	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl benzene	5	3.78	3.73	ND	ND	**118**	ND	ND	**68.4**
Hexachlorobutadiene	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	3.07	1.91	ND	ND	**36.9**	ND	**15.3**	**15.5**
Methyl-tert-butyl ether (MtBE)	10	**30.2**	**29.9**	ND	2.76	ND	ND	7.81	ND
Methylene Chloride	5	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	**45.0**	ND	ND	**48.5**
n-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	2.04	ND	ND	ND	**51.2**	ND	**12.1**	**22.9**
o-Xylene	5	**5.28**	**5.67**	ND	ND	**8.87**	ND	ND	**69.4**
p- & m- Xylenes	5	1.43	1.30	ND	ND	**103**	ND	ND	**171**
Xylenes (Total)	10	----	----	----	----	----	----	----	----
p-Isopropyltoluene	5	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	1.27	ND	ND	ND	**6.14**	ND	**5.59**	3.02
Styrene	5	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	5	ND	ND	1.78	ND	ND	2.00	ND	ND
Toluene	5	1.07	ND	ND	1.22	ND	ND	ND	**26.1**
Trans-1,2-Dichloroethylene	5	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	5	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
µg/L = parts per billion
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
---- = Not Reported by Laboratory
Guidance Values = Guidance Values = NYSDEC TOGS 1.1.1 – Table 1
BOLD Indicates Result Above Guidance Value

Table No. 16 (Continued):
Groundwater Analytical Results for Volatile Organic Compounds via EPA Method 8260 Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-8	ASR-9	ASR-10	ASR-11	ASR-14	ASR-15	ASR-16
Date Sampled	**----**	**4/1/11**	**4/1/11**	**4/1/11**	**3/31/11**	**3/31/11**	**3/31/11**	**3/31/11**
Volatiles List	**µg/L**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
1,1,1,2-Tetrachloroethane	5	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloro-1,2,2-trifloroethane (Freon 113)	5	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropylene	5	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.04	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.04	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	N/A	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	1	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	5	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	5	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	5	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	5	ND	ND	ND	ND	ND	ND	ND
2-Isopropyltoluene	5	ND	ND	ND	ND	ND	ND	ND
Benzene	0.7	ND	ND	ND	ND	ND	**1.40**	ND
Bromobenzene	5	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	5	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	50	ND	ND	ND	ND	ND	ND	ND
Bromoform	50	ND	ND	ND	ND	ND	ND	ND
Bromomethane	5	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	ND
Chloromethane	N/A	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethylene	5	ND	ND	1.80	ND	ND	ND	ND
Cis-1,3-Dichloropropylene	N/A	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	5	ND	ND	ND	ND	ND	ND	ND

Table No. 16 (Continued):
Groundwater Analytical Results for Volatile Organic Compounds via EPA Method 8260 Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-8	ASR-9	ASR-10	ASR-11	ASR-14	ASR-15	ASR-16
Date Sampled	**----**	**4/1/11**	**4/1/11**	**4/1/11**	**3/31/11**	**3/31/11**	**3/31/11**	**3/31/11**
Volatiles List	**µg/L**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Dichlorodifluoromethane	5	ND	ND	ND	ND	ND	ND	ND
Ethyl benzene	5	ND	ND	ND	ND	ND	2.25	ND
Hexachlorobutadiene	0.5	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	ND	1.34	ND
Methyl-tert-butyl ether (MtBE)	10	ND	ND	ND	ND	1.39	1.59	ND
Methylene Chloride	5	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND	ND	ND	ND	ND
o-Xylene	5	ND	ND	ND	ND	ND	ND	ND
p- & m- Xylenes	5	ND	ND	ND	ND	ND	1.12	ND
Xylenes (Total)	10	----	----	----	----	----	----	----
p-Isopropyltoluene	5	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND	1.14	ND	ND
Styrene	5	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	5	ND	ND	**10.8**	ND	ND	ND	2.02
Toluene	5	ND	ND	ND	1.67	2.35	1.09	ND
Trans-1,2-Dichloroethylene	5	ND	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropylene	N/A	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	5	ND	ND	2.08	ND	ND	ND	ND
Trichlorofluoromethane	5	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND	ND

Notes:
µg/L = parts per billion
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
---- = Not Reported by Laboratory
Guidance Values = Guidance Values = NYSDEC TOGS 1.1.1 – Table 1
BOLD Indicates Result Above Guidance Value

Table No. 16 (Continued):
Groundwater Analytical Results for Volatile Organic Compounds via EPA Method 8260 Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-17	ASR-18	ASR-19	ASR-20	ASR-21	ASR-22	ASR-22 DUP
Date Sampled	**----**	**3/31/11**	**4/1/11**	**4/1/11**	**3/31/11**	**3/31/11**	**3/31/11**	**3/31/11**
Volatiles List	**µg/L**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
1,1,1,2-Tetrachloroethane	5	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloro-1,2,2-trifloroethane (Freon 113)	5	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropylene	5	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.04	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	**9.88**	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.04	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	N/A	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	1	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	1.39	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	5	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	5	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	5	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	5	ND	ND	ND	ND	ND	ND	ND
2-Isopropyltoluene	5	ND	ND	ND	ND	ND	ND	ND
Benzene	0.7	**14.9**	**83.4**	**2.57**	ND	ND	ND	ND
Bromobenzene	5	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	5	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	50	ND	ND	ND	ND	ND	ND	ND
Bromoform	50	ND	ND	ND	ND	ND	ND	ND
Bromomethane	5	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	3.75	ND	ND	ND
Chloromethane	N/A	ND	1.09	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethylene	5	**7.12**	4.59	ND	ND	ND	ND	ND
Cis-1,3-Dichloropropylene	N/A	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	5	ND	ND	ND	ND	ND	ND	ND

Table No. 16 (Continued):
Groundwater Analytical Results for Volatile Organic Compounds via EPA Method 8260 Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-17	ASR-18	ASR-19	ASR-20	ASR-21	ASR-22	ASR-22 DUP
Date Sampled	**----**	**3/31/11**	**4/1/11**	**4/1/11**	**3/31/11**	**3/31/11**	**3/31/11**	**3/31/11**
Volatiles List	**µg/L**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Dichlorodifluoromethane	5	ND	ND	ND	ND	ND	ND	ND
Ethyl benzene	5	ND	**73.6**	**8.33**	ND	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	**24.3**	**35.2**	ND	ND	ND	ND
Methyl-tert-butyl ether (MtBE)	10	**21.6**	5.96	3.11	ND	3.22	2.52	2.51
Methylene Chloride	5	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	2.84	1.15	ND	ND	ND	ND
n-Butylbenzene	5	1.96	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	ND	**45.1**	**139**	ND	ND	ND	ND
o-Xylene	5	ND	**9.12**	ND	ND	ND	ND	ND
p- & m- Xylenes	5	ND	**39.2**	1.12	ND	ND	ND	ND
Xylenes (Total)	10	----	----	----	----	----	----	----
p-Isopropyltoluene	5	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	4.05	**25.6**	ND	ND	ND	ND
Styrene	5	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	5	**17.1**	ND	ND	ND	ND	ND	ND
Toluene	5	1.14	2.13	ND	ND	ND	ND	ND
Trans-1,2-Dichloroethylene	5	ND	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropylene	N/A	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	5	3.71	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	5	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	1.90	**8.48**	ND	ND	ND	ND	ND

Notes:
µg/L = parts per billion
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
---- = Not Reported by Laboratory
Guidance Values = Guidance Values = NYSDEC TOGS 1.1.1 – Table 1
BOLD Indicates Result Above Guidance Value

Table No. 17: Groundwater Analytical Results for Semi-Volatile Organic Compounds via EPA Method 8270 Exceeding Guidance Values							
Client Sample ID	**Guidance Values**	**ASR-4**	**ASR-5**	**ASR-6**	**ASR-7**	**ASR-7 DUP**	**ASR-8**
Date Sampled	**----**	**2/8/2008**	**2/8/2008**	**2/8/2008**	**2/8/2008**	**2/8/2008**	**2/8/2008**
Semi-Volatiles List	**µg/L**	**----**	**----**	**----**	**----**	**----**	**----**
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	N/A	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	N/A	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	5	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	50	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	10	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	5	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	5	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	10	ND	ND	ND	ND	ND	ND
2-Chlorophenol	N/A	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	N/A	25	2	2	ND	ND	ND
2-Methylphenol	N/A	ND	ND	ND	ND	ND	ND
2-Nitroaniline	5	ND	ND	ND	ND	ND	ND
2-Nitrophenol	N/A	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	5	ND	ND	ND	ND	ND	ND
3-Nitroaniline	5	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	N/A	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	N/A	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	N/A	ND	ND	ND	ND	ND	ND
4-Chloroaniline	5	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	N/A	ND	ND	ND	ND	ND	ND
4-Methylphenol	1	ND	ND	ND	ND	ND	ND
4-Nitroaniline	5	ND	ND	ND	ND	ND	ND
4-Nitrophenol	N/A	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	3	ND	ND	ND
Acenaphthylene	N/A	ND	ND	ND	ND	ND	ND
Aniline	5	ND	ND	ND	ND	ND	ND
Anthracene	50	ND	ND	ND	ND	ND	ND
Benzo [a] Anthracene	0.002	ND	ND	ND	ND	ND	ND
Benzo [a] Pyrene	ND	ND	ND	ND	ND	ND	ND
Benzo [b] Fluoranthene	0.002	ND	ND	ND	ND	ND	ND
Benzo [g,h,i] Perylene	N/A	ND	ND	ND	ND	ND	ND
Benzo [k] Fluoranthene	0.002	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	N/A	ND	ND	ND	ND	ND	ND
Benzyl butyl phthalate	50	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy) methane	5	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	1	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl) ether	N/A	ND	ND	ND	ND	ND	ND

Table No. 17:
Groundwater Analytical Results for Semi-Volatile Organic Compounds via EPA Method 8270 Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-4	ASR-5	ASR-6	ASR-7	ASR-7 DUP	ASR-8
Date Sampled	**----**	**2/8/2008**	**2/8/2008**	**2/8/2008**	**2/8/2008**	**2/8/2008**	**2/8/2008**
Semi-Volatiles List	**µg/L**	**----**	**----**	**----**	**----**	**----**	**----**
Bis(2-ethylexyl)phthalate	5	ND	ND	ND	2	2	ND
Carbazole	N/A	ND	ND	1	ND	ND	ND
Chrysene	0.002	ND	ND	ND	ND	ND	ND
Dibenzo [a,h] Anthracene	N/A	ND	ND	ND	ND	ND	ND
Dibenzo furan	N/A	ND	ND	ND	ND	ND	ND
Diethyl phthalate	50	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	50	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	50	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	50	ND	ND	ND	ND	ND	ND
Fluoranthene	50	ND	ND	ND	ND	ND	ND
Fluorene	50	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.04	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND	ND	ND	ND
Hexachlorocyclpentadiene	5	ND	ND	ND	ND	ND	ND
Hexachloroethane	5	ND	ND	ND	ND	ND	ND
Indeno [1,2,3-cd] Pyrene	0.002	ND	ND	ND	ND	ND	ND
Isophorone	50	ND	ND	ND	ND	ND	ND
Naphthalene	10	**44**	2	4	ND	ND	ND
Nitrobenzene	0.4	ND	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	50	ND	ND	ND	ND	ND	ND
N-Nitroso-di-n-Propylamine	N/A	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	50	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1	ND	ND	ND	ND	ND	ND
Phenanthrene	50	ND	ND	1	ND	ND	ND
Phenol	1	ND	ND	**2**	ND	ND	ND
Pyrene	50	ND	ND	ND	ND	ND	ND
Pyridine	50	ND	ND	ND	ND	ND	ND

Notes:
µg/L = parts per billion
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
---- = Not Reported by Laboratory
Guidance Values = Guidance Values = NYSDEC TOGS 1.1.1 – Table 1
BOLD Indicates Result Above Guidance Value

Table No. 18:
Groundwater Analytical Results for Semi-Volatile Organic Compounds via EPA Method 8270 Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-1	ASR-2	ASR-3	ASR-4	ASR-5	ASR-5 DUP	ASR-6	ASR-8	ASR-9
Date Sampled	----	12/3/09	12/1/09	12/1/09	12/1/09	12/1/09	12/1/09	12/1/09	12/1/09	11/30/09
Semi-Volatiles List	µg/L	----	----	----	----	----	----	----	----	----
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aniline	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo [a] Anthracene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo [a] Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo [b] Fluoranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo [g,h,i] Perylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo [k] Fluoranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl butyl phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table No. 18:
Groundwater Analytical Results for Semi-Volatile Organic Compounds via EPA Method 8270 Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-1	ASR-2	ASR-3	ASR-4	ASR-5	ASR-5 DUP	ASR-6	ASR-8	ASR-9
Date Sampled	**----**	**12/3/09**	**12/1/09**	**12/1/09**	**12/1/09**	**12/1/09**	**12/1/09**	**12/1/09**	**12/1/09**	**11/30/09**
Semi-Volatiles List	**µg/L**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Bis(2-chloroethoxy) methane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl) ether	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylexyl)phthalate	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo [a,h] Anthracene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo furan	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclpentadiene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno [1,2,3-cd] Pyrene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitroso-di-n-Propylamine	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	1	ND	ND	ND	ND	ND	ND	**3.5**	ND	ND
Pyrene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyridine	50	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
µg/L = parts per billion
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
---- = Not Reported by Laboratory
Guidance Values = Guidance Values = NYSDEC TOGS 1.1.1 – Table 1
BOLD Indicates Result Above Guidance Value

Table No. 18 (Continued):
Groundwater Analytical Results for Semi-Volatile Organic Compounds via EPA Method 8270 Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-10	ASR-11	ASR-14	ASR-15	ASR-16	ASR-17	ASR-18	ASR-19
Date Sampled	**----**	**11/30/09**	**12/1/09**	**12/1/09**	**12/1/09**	**11/30/09**	**11/30/09**	**11/30/09**	**11/30/09**
Semi-Volatiles List	**µg/L**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	5	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	50	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	10	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	5	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	5	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	10	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	N/A	ND	ND	9.7	ND	ND	ND	2.8	ND
2-Methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	5	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	5	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	5	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	5	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	1	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	5	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	4.7	ND	ND	ND	ND	ND
Acenaphthylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Aniline	5	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	ND	ND	ND	ND	ND	ND	ND	ND
Benzo [a] Anthracene	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Benzo [a] Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo [b] Fluoranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Benzo [g,h,i] Perylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Benzo [k] Fluoranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl butyl phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND

Table No. 18 (Continued):
Groundwater Analytical Results for Semi-Volatile Organic Compounds via EPA Method 8270 Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-10	ASR-11	ASR-14	ASR-15	ASR-16	ASR-17	ASR-18	ASR-19
Date Sampled	**----**	**11/30/09**	**12/1/09**	**12/1/09**	**12/1/09**	**11/30/09**	**11/30/09**	**11/30/09**	**11/30/09**
Semi-Volatiles List	**µg/L**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Bis(2-chloroethoxy) methane	5	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	1	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl) ether	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylexyl)phthalate	5	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo [a,h] Anthracene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo furan	N/A	ND	ND	3.2	ND	ND	ND	ND	ND
Diethyl phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	50	ND	ND	5.5	ND	ND	ND	ND	ND
Hexachlorobenzene	0.04	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclpentadiene	5	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND
Indeno [1,2,3-cd] Pyrene	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	50	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	**20**	ND	ND	ND	ND	ND
Nitrobenzene	0.4	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	50	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitroso-di-n-Propylamine	N/A	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	50	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	1	ND	ND	ND	ND	ND	ND	**3.5**	ND
Pyrene	50	ND	ND	ND	ND	ND	ND	ND	ND
Pyridine	50	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
µg/L = parts per billion
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
---- = Not Reported by Laboratory
Guidance Values = Guidance Values = NYSDEC TOGS 1.1.1 – Table 1
BOLD Indicates Result Above Guidance Value

Table No. 19:
Groundwater Analytical Results for Semi-Volatile Organic Compounds via EPA Method 8270 Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-1	ASR-1 DUP	ASR-2	ASR-3	ASR-4	ASR-5	ASR-6	ASR-7
Date Sampled	**----**	**4/1/11**	**4/1/11**	**3/31/11**	**3/31/11**	**4/1/11**	**3/31/11**	**4/1/11**	**3/31/11**
Semi-Volatiles List	**µg/L**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	5	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	50	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	10	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	5	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	5	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	10	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	N/A	ND	ND	ND	ND	8.07	ND	ND	6.46
2-Methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	5	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	5	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	5	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	5	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	N/A	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	1	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	5	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Aniline	5	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	ND	ND	ND	ND	ND	ND	ND	ND
Benzo [a] Anthracene	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Benzo [a] Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo [b] Fluoranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Benzo [g,h,i] Perylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Benzo [k] Fluoranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl butyl phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND

Table No. 19:
Groundwater Analytical Results for Semi-Volatile Organic Compounds via EPA Method 8270 Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-1	ASR-1 DUP	ASR-2	ASR-3	ASR-4	ASR-5	ASR-6	ASR-7
Date Sampled	**----**	**4/1/11**	**4/1/11**	**3/31/11**	**3/31/11**	**4/1/11**	**3/31/11**	**4/1/11**	**3/31/11**
Semi-Volatiles List	**µg/L**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Bis(2-chloroethoxy) methane	5	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	1	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl) ether	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylexyl)phthalate	5	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo [a,h] Anthracene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo furan	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	50	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.04	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclpentadiene	5	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND
Indeno [1,2,3-cd] Pyrene	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	50	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	**20.8**	ND	ND	**27.9**
Nitrobenzene	0.4	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	50	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitroso-di-n-Propylamine	N/A	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	50	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	1	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	ND	ND	ND	ND	ND	ND	ND	ND
Pyridine	50	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
µg/L = parts per billion
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
---- = Not Reported by Laboratory
Guidance Values = Guidance Values = NYSDEC TOGS 1.1.1 – Table 1
BOLD Indicates Result Above Guidance Value

Table No. 19 (Continued):
Groundwater Analytical Results for Semi-Volatile Organic Compounds via EPA Method 8270 Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-8	ASR-9	ASR-10	ASR-11	ASR-14	ASR-15	ASR-16
Date Sampled	**----**	**4/1/11**	**4/1/11**	**4/1/11**	**3/31/11**	**3/31/11**	**3/31/11**	**3/31/11**
Semi-Volatiles List	**µg/L**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	5	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	50	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	10	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	5	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	5	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	10	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	N/A	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	5	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	5	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	5	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	N/A	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	5	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	N/A	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	1	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	5	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	N/A	ND	ND	ND	ND	ND	ND	ND
Aniline	5	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	ND	ND	ND	ND	ND	ND	ND
Benzo [a] Anthracene	0.002	ND	ND	ND	ND	ND	ND	ND
Benzo [a] Pyrene	ND	ND	ND	ND	ND	ND	ND	ND
Benzo [b] Fluoranthene	0.002	ND	ND	ND	ND	ND	ND	ND
Benzo [g,h,i] Perylene	N/A	ND	ND	ND	ND	ND	ND	ND
Benzo [k] Fluoranthene	0.002	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	N/A	ND	ND	ND	ND	ND	ND	ND
Benzyl butyl phthalate	50	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy) methane	5	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	1	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl) ether	N/A	ND	ND	ND	ND	ND	ND	ND

Table No. 19 (Continued):
Groundwater Analytical Results for Semi-Volatile Organic Compounds via EPA Method 8270 Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-8	ASR-9	ASR-10	ASR-11	ASR-14	ASR-15	ASR-16
Date Sampled	**----**	**4/1/11**	**4/1/11**	**4/1/11**	**3/31/11**	**3/31/11**	**3/31/11**	**3/31/11**
Semi-Volatiles List	**µg/L**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Bis(2-ethylexyl)phthalate	5	ND	ND	ND	ND	ND	ND	ND
Carbazole	N/A	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	ND	ND	ND	ND	ND
Dibenzo [a,h] Anthracene	N/A	ND	ND	ND	ND	ND	ND	ND
Dibenzo furan	N/A	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	50	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	50	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	50	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	50	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	ND	ND	ND	ND	ND	ND	ND
Fluorene	50	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.04	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclpentadiene	5	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	5	ND	ND	ND	ND	ND	ND	ND
Indeno [1,2,3-cd] Pyrene	0.002	ND	ND	ND	ND	ND	ND	ND
Isophorone	50	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	0.4	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	50	ND	ND	ND	ND	ND	ND	ND
N-Nitroso-di-n-Propylamine	N/A	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	50	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	ND	ND	ND	ND	ND	ND	ND
Phenol	1	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	ND	ND	ND	ND	ND	ND	ND
Pyridine	50	ND	ND	ND	ND	ND	ND	ND

Notes:
µg/L = parts per billion
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
---- = Not Reported by Laboratory
Guidance Values = Guidance Values = NYSDEC TOGS 1.1.1 – Table 1
BOLD Indicates Result Above Guidance Value

Table No. 19 (Continued): Groundwater Analytical Results for Semi-Volatile Organic Compounds via EPA Method 8270 Exceeding Guidance Values								
Client Sample ID	**Guidance Values**	**ASR-17**	**ASR-18**	**ASR-19**	**ASR-20**	**ASR-21**	**ASR-22**	**ASR-22 DUP**
Date Sampled	**----**	**3/31/11**	**4/1/11**	**4/1/11**	**3/31/11**	**3/31/11**	**3/31/11**	**3/31/11**
Semi-Volatiles List	**µg/L**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	5	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	50	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	10	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	5	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	5	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	10	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	N/A	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	N/A	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	5	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	5	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	5	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	N/A	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	N/A	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	5	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	N/A	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	1	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	5	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	N/A	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	N/A	ND	ND	ND	ND	ND	ND	ND
Aniline	5	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	ND	ND	ND	ND	ND	ND	ND
Benzo [a] Anthracene	0.002	ND	ND	ND	ND	ND	ND	ND
Benzo [a] Pyrene	ND	ND	ND	ND	ND	ND	ND	ND
Benzo [b] Fluoranthene	0.002	ND	ND	ND	ND	ND	ND	ND
Benzo [g,h,i] Perylene	N/A	ND	ND	ND	ND	ND	ND	ND
Benzo [k] Fluoranthene	0.002	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	N/A	ND	ND	ND	ND	ND	ND	ND
Benzyl butyl phthalate	50	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy) methane	5	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	1	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl) ether	N/A	ND	ND	ND	ND	ND	ND	ND

Table No. 19 (Continued):
Groundwater Analytical Results for Semi-Volatile Organic Compounds via EPA Method 8270 Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-17	ASR-18	ASR-19	ASR-20	ASR-21	ASR-22	ASR-22 DUP
Date Sampled	**----**	**3/31/11**	**4/1/11**	**4/1/11**	**3/31/11**	**3/31/11**	**3/31/11**	**3/31/11**
Semi-Volatiles List	**µg/L**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Bis(2-ethylexyl)phthalate	5	ND	ND	ND	ND	ND	ND	ND
Carbazole	N/A	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	ND	ND	ND	ND	ND
Dibenzo [a,h] Anthracene	N/A	ND	ND	ND	ND	ND	ND	ND
Dibenzo furan	N/A	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	50	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	50	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	50	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	50	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	ND	ND	ND	ND	ND	ND	ND
Fluorene	50	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.04	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclpentadiene	5	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	5	ND	ND	ND	ND	ND	ND	ND
Indeno [1,2,3-cd] Pyrene	0.002	ND	ND	ND	ND	ND	ND	ND
Isophorone	50	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	0.4	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	50	ND	ND	ND	ND	ND	ND	ND
N-Nitroso-di-n-Propylamine	N/A	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	50	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	ND	ND	ND	ND	ND	ND	ND
Phenol	1	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	ND	ND	ND	ND	ND	ND	ND
Pyridine	50	ND	ND	ND	ND	ND	ND	ND

Notes:
µg/L = parts per billion
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
---- = Not Reported by Laboratory
Guidance Values = Guidance Values = NYSDEC TOGS 1.1.1 – Table 1
BOLD Indicates Result Above Guidance Value

Table No. 20:
Groundwater Analytical Results for Target Analyte List Metals via EPA Method 6010B Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-4	ASR-5	ASR-6	ASR-7	ASR-7 DUP	ASR-8
Date Sampled	**----**	**2/8/2008**	**2/8/2008**	**2/8/2008**	**2/8/2008**	**2/8/2008**	**2/8/2008**
TAL Metals	**µg/L**	**----**	**----**	**----**	**----**	**----**	**----**
Mercury	0.7	0.10	ND	ND	ND	ND	ND
Aluminum	2,000	**5,120**	317	**4,590**	202	687	207
Antimony	3	ND	ND	ND	ND	ND	ND
Arsenic	25	ND	ND	ND	ND	ND	ND
Barium	1,000	239	172	321	139	139	153
Beryllium	3	0.88	ND	0.22	ND	ND	ND
Cadmium	5	0.66	ND	ND	ND	ND	ND
Calcium	N/A	130,000	118,000	139,000	118,000	114,000	137,000
Chromium	50	7.6	3.0	8.6	1.1	2.8	0.74
Cobalt	N/A	2.7	ND	3.7	ND	ND	ND
Copper	200	12.2	1.6	11.0	2.0	3.6	2.2
Iron	300	**8,070**	**377**	**27,800**	**493**	**1,040**	294
Lead	25	23.6	ND	17.7	1.5	2.9	ND
Magnesium	35,000	**42,600**	**42,200**	**38,900**	**42,000**	**40,800**	**49,200**
Manganese	300	**765**	6.2	**1,380**	116	110	**1,000**
Nickel	100	4.8	ND	6.3	ND	ND	2.2
Potassium	N/A	9,810	6,590	14,700	6,750	6,560	7,640
Selenium	10	ND	ND	ND	ND	ND	ND
Silver	50	ND	ND	ND	ND	ND	ND
Sodium	20,000	**147,000**	**133,000**	**165,000**	**129,000**	**125,000**	**142,000**
Thallium	0.5	ND	ND	ND	ND	ND	ND
Vanadium	N/A	8.8	ND	10.1	ND	1.4	ND
Zinc	5,000	28.9	32.6	27.5	18.6	17.0	12.4

Notes:
µg/L = parts per billion
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
Guidance Values = Guidance Values = NYSDEC TOGS 1.1.1 – Table 1
BOLD Indicates Result Above Guidance Value

Table No. 21:
Groundwater Analytical Results for Target Analyte List Metals via EPA Method 6010B Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-1	ASR-2	ASR-3	ASR-4	ASR-5	ASR-5 DUP	ASR-6	ASR-8	ASR-9
Date Sampled	**----**	**12/3/09**	**12/1/09**	**12/1/09**	**12/1/09**	**12/1/09**	**12/1/09**	**12/1/09**	**12/1/09**	**11/30/09**
TAL Metals	**µg/L**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Mercury	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aluminum	2,000	2.2	ND	**23,600**	585	66	98	16	177	4,060
Antimony	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	25	ND	ND	**40**	ND	ND	ND	ND	ND	2.5
Barium	1,000	158	156	575	170	162	160	257	136	160
Beryllium	3	ND	ND	0.9	ND	ND	ND	ND	ND	0.2
Cadmium	5	0.3	ND	2.0	ND	ND	ND	ND	0.2	ND
Calcium	N/A	124,000	119,000	221,000	127,000	114,000	112,000	130,000	123,000	118,000
Chromium	50	ND	1.0	41	2.0	2.0	2.0	ND	0.8	7.0
Cobalt	N/A	0.4	0.3	35	0.2	0.3	0.2	ND	0.3	6.0
Copper	200	8.1	2.0	86	2.0	ND	1.0	ND	0.8	18
Iron	300	242	45	**127,000**	**1,600**	127	162	**15,700**	**415**	**7,440**
Lead	25	ND	ND	**206**	4.0	ND	ND	ND	ND	**55**
Magnesium	35,000	**35,600**	**40,000**	**31,200**	**38,300**	**37,800**	**37,200**	34,300	**40,500**	**37,300**
Manganese	300	**544**	8.0	**3,040**	**508**	2.0	3.0	**992**	**507**	**438**
Nickel	100	1.0	0.9	37	1.0	0.8	0.5	0.6	2.0	9.0
Potassium	N/A	10,600	6,900	40,000	9,100	6,500	6,500	13,500	7,800	9,700
Selenium	10	ND	3.0	ND	ND	2.1	2.0	ND	ND	ND
Silver	50	0.5	ND	0.3	ND	0.3	0.3	ND	ND	ND
Sodium	20,000	**153,000**	**125,000**	**710,000**	**139,000**	**122,000**	**125,000**	**161,000**	**143,000**	**107,000**
Thallium	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	N/A	26.0	7.0	65	8.0	7.0	7.0	7.0	7.0	18
Zinc	5,000	2.0	4.0	237	7.0	3.0	4.0	3.0	8.0	59

Notes:
µg/L = parts per billion
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
Guidance Values = Guidance Values = NYSDEC TOGS 1.1.1 – Table 1
BOLD Indicates Result Above Guidance Value

Table No. 21 (Continued):
Groundwater Analytical Results for Target Analyte List Metals via EPA Method 6010B Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-10	ASR-11	ASR-14	ASR-15	ASR-16	ASR-17	ASR-18	ASR-19
Date Sampled	**----**	**11/30/09**	**12/1/09**	**12/1/09**	**12/1/09**	**11/30/09**	**11/30/09**	**11/30/09**	**11/30/09**
TAL Metals	**µg/L**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Mercury	0.7	ND	ND	ND	ND	ND	ND	ND	ND
Aluminum	2,000	25	**22,800**	**3,830**	98	**10,000**	ND	227	271
Antimony	3	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	25	ND	12	2.6	ND	16	ND	ND	ND
Barium	1,000	109	360	274	146	265	156	271	377
Beryllium	3	ND	1.0	ND	ND	0.6	ND	ND	ND

Table No. 21 (Continued):
Groundwater Analytical Results for Target Analyte List Metals via EPA Method 6010B Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-10	ASR-11	ASR-14	ASR-15	ASR-16	ASR-17	ASR-18	ASR-19
Date Sampled	**----**	**11/30/09**	**12/1/09**	**12/1/09**	**12/1/09**	**11/30/09**	**11/30/09**	**11/30/09**	**11/30/09**
TAL Metals	**µg/L**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Cadmium	5	0.3	0.7	ND	ND	0.3	ND	ND	ND
Calcium	N/A	100,000	127,000	170,000	115,000	110,000	123,000	140,000	172,000
Chromium	50	ND	27	9.0	ND	28	ND	ND	ND
Cobalt	N/A	3.0	26	6.0	ND	14	0.1	ND	ND
Copper	200	4.0	72	13	1.0	72	0.6	2.0	1.0
Iron	300	119	**31,600**	**7,560**	**2,060**	**22,000**	**427**	**16,800**	**21,900**
Lead	25	ND	**47**	**34**	2.0	**63**	ND	1.7	4.0
Magnesium	35,000	8,130	12,500	**47,400**	**36,600**	**36,700**	**35,300**	32,400	**30,800**
Manganese	300	**933**	**3,500**	**6,840**	**682**	**2,700**	**521**	**1,230**	**2,520**
Nickel	100	5.0	34	12	0.7	26	0.7	0.8	1.0
Potassium	N/A	9,200	44,500	11,200	8,000	12,600	10,700	16,400	18,900
Selenium	10	2.0	ND	ND	ND	ND	ND	ND	ND
Silver	50	ND	ND	0.4	ND	ND	ND	ND	ND
Sodium	20,000	**32,800**	**1,560,000**	**121,000**	**129,000**	**144,000**	**165,000**	**147,000**	**143,000**
Thallium	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	N/A	6.0	44	18	7.0	32	7.0	7.0	8.0
Zinc	5,000	2.0	107	31	4.0	91	1.9	8.0	4.0

Notes:
µg/L = parts per billion
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
Guidance Values = Guidance Values = NYSDEC TOGS 1.1.1 – Table 1
BOLD Indicates Result Above Guidance Value

Table No. 22:
Groundwater Analytical Results for Target Analyte List Metals via EPA Method 6010B Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-1	ASR-2	ASR-3	ASR-4	ASR-5	ASR-6	ASR-7
Date Sampled	**----**	**4/1/11**	**3/31/11**	**3/31/11**	**4/1/11**	**3/31/11**	**4/1/11**	**3/31/11**
TAL Metals	**µg/L**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Mercury	0.7	ND	ND	ND	ND	ND	ND	ND
Aluminum	2,000	475	81.8	375	833	153	ND	553
Antimony	3	ND	ND	ND	ND	ND	ND	ND
Arsenic	25	ND	ND	ND	ND	ND	ND	ND
Barium	1,000	152	145	175	173	146	249	130
Beryllium	3	ND	ND	ND	ND	ND	ND	ND
Cadmium	5	ND	ND	ND	ND	ND	ND	ND
Calcium	N/A	162,000	119,000	151,000	136,000	108,000	158,000	131,000
Chromium	50	ND	ND	ND	ND	ND	ND	ND
Cobalt	N/A	ND	ND	16	ND	ND	ND	ND
Copper	200	ND	ND	ND	ND	ND	ND	ND
Iron	300	**686**	72.4	**8,820**	**3,470**	**197**	**16,700**	1,990
Lead	25	ND	ND	ND	ND	ND	ND	ND
Magnesium	35,000	**40,800**	**41,800**	**20,900**	**44,000**	**38,200**	**38,700**	39,800
Manganese	300	**793**	10.8	**1,440**	**594**	ND	**1,070**	196
Nickel	100	ND	ND	ND	ND	ND	ND	ND
Potassium	N/A	16,900	8,600	40,800	12,000	8,330	20,100	9,350
Selenium	10	ND	ND	ND	ND	ND	ND	ND
Silver	50	ND	ND	ND	ND	ND	ND	ND
Sodium	20,000	**215,000**	**116,000**	**610,000**	**160,000**	**139,000**	**239,000**	**131,000**
Thallium	0.5	ND	ND	ND	ND	ND	ND	ND
Vanadium	N/A	ND	ND	ND	ND	ND	ND	ND
Zinc	5,000	552	157	284	92.6	6.47	59.2	369

Notes:
µg/L = parts per billion N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
Guidance Values = Guidance Values = NYSDEC TOGS 1.1.1 – Table 1
BOLD Indicates Result Above Guidance Value

Table No. 22 (Continued):
Groundwater Analytical Results for Target Analyte List Metals via EPA Method 6010B Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-8	ASR-9	ASR-10	ASR-11	ASR-14	ASR-15	ASR-16
Date Sampled	**----**	**4/1/11**	**4/1/11**	**4/1/11**	**3/31/11**	**3/31/11**	**3/31/11**	**3/31/11**
TAL Metals	**µg/L**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Mercury	0.7	ND	ND	ND	ND	ND	ND	ND
Aluminum	2,000	247	593	110	**3,170**	**7,780**	550	1,550
Antimony	3	ND	ND	ND	ND	ND	ND	ND
Arsenic	25	ND	ND	ND	ND	ND	ND	ND
Barium	1,000	114	160	82.4	770	224	147	171
Beryllium	3	ND	ND	ND	ND	ND	ND	ND
Cadmium	5	ND	ND	ND	ND	ND	ND	ND

Table No. 22 (Continued):
Groundwater Analytical Results for Target Analyte List Metals via EPA Method 6010B Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-8	ASR-9	ASR-10	ASR-11	ASR-14	ASR-15	ASR-16
Date Sampled	**----**	**4/1/11**	**4/1/11**	**4/1/11**	**3/31/11**	**3/31/11**	**3/31/11**	**3/31/11**
TAL Metals	**µg/L**	**----**	**----**	**----**	**----**	**----**	**----**	**----**
Calcium	N/A	122,000	164,000	83,000	7,850,000	134,000	118,000	118,000
Chromium	50	ND	ND	ND	ND	18.8	ND	ND
Cobalt	N/A	ND	ND	ND	ND	6.37	ND	ND
Copper	200	ND	ND	ND	11	23.4	ND	11.2
Iron	300	294	**1,670**	84.3	**3,860**	**14,200**	**1,860**	**3,070**
Lead	25	ND	ND	ND	ND	**53.3**	ND	ND
Magnesium	35,000	**41,100**	**47,000**	6,690	34,000	**42,600**	**41,000**	**38,600**
Manganese	300	224	**418**	**602**	**948**	**3,880**	**666**	**1,340**
Nickel	100	ND	ND	ND	ND	11.4	ND	ND
Potassium	N/A	8,710	14,100	7,390	121,000	13,500	10,100	11,600
Selenium	10	ND	ND	ND	ND	ND	ND	ND
Silver	50	ND	ND	ND	ND	ND	ND	ND
Sodium	20,000	**125,000**	**143,000**	**23,200**	**509,000**	**117,000**	**146,000**	**105,000**
Thallium	0.5	ND	ND	ND	ND	ND	ND	ND
Vanadium	N/A	ND	ND	ND	ND	19.2	ND	ND
Zinc	5,000	194	34.7	192	23	62.7	8.06	15.7

Notes: µg/L = parts per billion N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit **BOLD Indicates Result Above Guidance Value**
Guidance Values = Guidance Values = NYSDEC TOGS 1.1.1 – Table 1

Table No. 22 (Continued):
Groundwater Analytical Results for Target Analyte List Metals via EPA Method 6010B Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-17	ASR-18	ASR-19	ASR-20	ASR-21	ASR-22
Date Sampled	**----**	**3/31/11**	**4/1/11**	**4/1/11**	**3/31/11**	**3/31/11**	**3/31/11**
TAL Metals	**µg/L**	**----**	**----**	**----**	**----**	**----**	**----**
Mercury	0.7	ND	ND	ND	ND	ND	ND
Aluminum	2,000	ND	ND	89.4	1,960	612	**2,220**
Antimony	3	ND	ND	ND	ND	ND	ND
Arsenic	25	ND	ND	ND	ND	ND	ND
Barium	1,000	192	370	342	116	460	364
Beryllium	3	ND	ND	ND	ND	ND	ND
Cadmium	5	ND	ND	ND	ND	ND	ND
Calcium	N/A	155,000	195,000	195,000	132,000	208,000	207,000
Chromium	50	ND	ND	ND	ND	ND	ND
Cobalt	N/A	ND	ND	ND	ND	ND	ND
Copper	200	ND	ND	ND	ND	ND	ND
Iron	300	**975**	**24,100**	**17,500**	**3,070**	**28,200**	**37,900**
Lead	25	ND	ND	ND	ND	ND	ND
Magnesium	35,000	**44,800**	46,700	**36,600**	**11,800**	**39,500**	**36,900**
Manganese	300	**620**	**1,440**	**2,270**	55	**2,100**	**1,960**
Nickel	100	ND	ND	ND	ND	ND	ND
Potassium	N/A	17,900	23,700	24,300	25,500	23,000	22,000

Table No. 22 (Continued):
Groundwater Analytical Results for Target Analyte List Metals via EPA Method 6010B Exceeding Guidance Values

Client Sample ID	Guidance Values	ASR-17	ASR-18	ASR-19	ASR-20	ASR-21	ASR-22
Date Sampled	**----**	**3/31/11**	**4/1/11**	**4/1/11**	**3/31/11**	**3/31/11**	**3/31/11**
TAL Metals	**µg/L**	**----**	**----**	**----**	**----**	**----**	**----**
Selenium	10	ND	ND	ND	ND	ND	ND
Silver	50	ND	ND	ND	ND	ND	ND
Sodium	20,000	**193,000**	**339,000**	**139,000**	**211,000**	**115,000**	**123,000**
Thallium	0.5	ND	ND	ND	ND	ND	ND
Vanadium	N/A	ND	ND	ND	ND	ND	ND
Zinc	5,000	4.39	74	165	12	62.5	418

Notes: µg/L = parts per billion N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit **BOLD Indicates Result Above Guidance Value**
Guidance Values = Guidance Values = NYSDEC TOGS 1.1.1 – Table 1

Table No. 23:
Groundwater Analytical Results for Pesticides via EPA Method 8081, Herbicides via EPA Method 8151 and PCB via EPA Method 8082

Client Sample ID	Guidance Values	ASR-4	ASR-5	ASR-6	ASR-7	ASR-7 DUP	ASR-8
Date Sampled	**----**	**2/8/2008**	**2/8/2008**	**2/8/2008**	**2/8/2008**	**2/8/2008**	**2/8/2008**
Pesticides	**µg/L**	**----**	**----**	**----**	**----**	**----**	**----**
4,4'-DDD	0.3	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.2	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.2	ND	ND	ND	ND	ND	ND
Alpha-BHC	0.01	ND	ND	ND	ND	ND	ND
Alachlor	0.5	----	----	----	----	----	----
Aldrin	ND	ND	ND	ND	ND	ND	ND
Beta-BHC	0.04	ND	ND	ND	ND	ND	ND
Chlordane (alpha)	0.05	ND	ND	ND	ND	ND	ND
Chlordane (gamma)	0.05	ND	ND	ND	ND	ND	ND
Delta-BHC	0.04	ND	ND	ND	ND	ND	ND
Dieldrin	0.004	ND	ND	ND	ND	ND	ND
Dibenzofuran	N/A	----	----	----	----	----	----
Endosulfan I	N/A	ND	ND	ND	ND	ND	ND
Endosulfan II	N/A	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	N/A	ND	ND	ND	ND	ND	ND
Endrin	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	5	ND	ND	ND	ND	ND	ND
Endrin Ketone	5	ND	ND	ND	ND	ND	ND
Gamma-BHC (Lindane)	0.05	ND	ND	ND	ND	ND	ND
Heptachlor	0.04	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.03	ND	ND	ND	ND	ND	ND
Methoxychlor	35	ND	ND	ND	ND	ND	ND
Toxaphene	0.06	ND	ND	ND	ND	ND	ND
Herbicides	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**
2,4,5-T	35	ND	ND	ND	ND	ND	ND
2,4,5-TP Acid (Silvex)	0.26	ND	ND	ND	ND	ND	ND
2,4-D	50	ND	ND	ND	ND	ND	ND
2,4-DB	N/A	----	----	----	----	----	----
Dalapon	N/A	----	----	----	----	----	----
Dicamba	0.44	ND	ND	ND	ND	ND	ND
Dichloroprop	N/A	----	----	----	----	----	----
Dinoseb	1	ND	ND	ND	ND	ND	ND
PCBs	**µg/kg**	**----**	**----**	**----**	**----**	**----**	**----**
Polychlorinated Biphenyls	0.09	ND	ND	ND	ND	ND	ND

Notes:
µg/L = parts per billion
N/A = Guidance Value Not Established by NYSDEC at Time of Report
ND = Not Detected above the laboratory minimum detection limit
---- = Not Reported by Laboratory
Guidance Values = Guidance Values = NYSDEC TOGS 1.1.1 – Table 1
BOLD Indicates Result Above Guidance Value

Table No. 24:
Soil Vapor Point Sampling Log

Client Sample ID	Date Sampled	Purge Time	Initial Helium Reading	Time Summa® Canister Opened	Time Summa® Canister Closed	Ending Helium Reading
VP-1	1/22/2008	5 Minutes	0.0 ppm	3:15 pm	5:15 pm	0.0 ppm
VP-2	1/18/2008	5 Minutes	0.0 ppm	10:25 am	12:30 pm	0.0 ppm
VP-3	1/18/2008	5 Minutes	0.0 ppm	1:15 pm	3:15 pm	0.0 ppm
VP-4	1/11/2008	5 Minutes	0.0 ppm	1:30 pm	3:05 pm	0.0 ppm
VP-5	1/11/2008	5 Minutes	0.0 ppm	1:50 pm	3:45 pm	0.0 ppm
VP-6	1/18/2008	5 Minutes	0.0 ppm	3:30 pm	5:30 pm	0.0 ppm
VP-7	1/18/2008	5 Minutes	0.0 ppm	3:10 pm	5:10 pm	0.0 ppm
VP-8	1/18/2008	5 Minutes	0.0 ppm	1:30 pm	3:25 pm	0.0 ppm
VP-9	1/18/2008	5 Minutes	0.0 ppm	11:25 am	1:25 pm	0.0 ppm
VP-10	1/22/2008	5 Minutes	0.0 ppm	12:30 pm	2:20 pm	0.0 ppm
VP-11	1/22/2008	5 Minutes	0.0 ppm	12:15 pm	2:15 pm	0.0 ppm
VP-11 DUP	1/22/2008	5 Minutes	0.0 ppm	12:15 pm	2:15 pm	0.0 ppm
VP-11A	11/30/2009	5 Minutes	0.0 ppm	12:36 pm	2:36 pm	0.0 ppm
VP-12	12/3/2009	5 Minutes	0.0 ppm	2:35 pm	4:35 pm	0.0 ppm
VP-13	3/28/2011	5 Minutes	0.0 ppm	10:26 am	12:26 pm	0.0 ppm
VP-13 DUP	3/28/2011	5 Minutes	0.0 ppm	10:26 am	12:26 pm	0.0 ppm
VP-14	3/28/2011	5 Minutes	0.0 ppm	7:34 am	9:34 am	0.0 ppm
VP-15	3/29/2011	5 Minutes	0.0 ppm	10:15 am	12:15 am	0.0 ppm
VP-16	3/29/2011	5 Minutes	0.0 ppm	7:55 am	9:55 am	0.0 ppm

Notes:
ppm = parts per million

Table No. 25: Soil Vapor Analytical Results for Volatile Organic Compounds via EPA Method TO-15							
Client Sample ID	**Ambient**	**VP-1**	**VP-2**	**VP-3**	**VP-4**	**VP-5**	**VP-6**
Date Sampled	**1/22/08**	**1/22/08**	**1/18/08**	**1/18/08**	**1/17/08**	**1/17/08**	**1/18/08**
TO-15 List - µg/m^3	----	----	----	----	----	----	----
Propene	----	----	----	----	----	----	----
Dichlorodifluoromethane	23.7	ND	2.77	3.36	ND	ND	ND
1,2-Dichlorotetrafluoroethane	ND	ND	ND	ND	ND	ND	ND
Bromomethane	8.05	ND	ND	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	ND	ND	ND
Vinyl Bromide	----	----	----	----	----	----	----
Vinyl Chloride	ND	ND	ND	ND	6.65	17.9	ND
1,3-Butadiene	----	----	----	----	----	----	----
Chloroethane	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	18.8	9.38	4.66	2.36	ND	ND	ND
Acetone	ND	ND	99.8	52.3	ND	ND	ND
Carbon Disulfide	ND	ND	ND	1.25	24.9	ND	ND
1,1,2-Trichloro-1,2,2-trifluorothane	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	11.8	ND	ND	2.75	ND	ND	ND
Ethanol	----	----	----	----	----	----	----
Acrylonitrile	----	----	----	----	----	----	----
Vinyl Acetate	ND	ND	ND	ND	ND	ND	ND
Methyl Butyl Ketone	----	----	----	----	----	----	----
Methyl Ethyl Ketone	----	----	----	----	----	----	----
Methyl Isobutyl Ketone	----	----	----	----	----	----	----
Methyl-tert-butyl ether (MtBE)	ND	ND	ND	2.24	9,660	ND	264
Isopropyl Alcohol	----	----	----	----	----	----	----
Trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	ND	36.1	ND	ND	ND	ND	468
2-Butanone	12.1	37.2	194	102	ND	ND	ND
Hexane	----	----	----	----	----	----	----
Cyclohexane	----	----	----	----	----	----	----
Ethyl Acetate	----	----	----	----	----	----	----
Tetrahydrofuran	----	----	----	----	----	----	----
Chloroform	ND	ND	ND	9.77	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND
Cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	51.1	ND	9.87	ND	ND	182
Benzene	20.8	57.5	2.36	5.72	19,400	13,400	2,010
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND

Table No. 25: Soil Vapor Analytical Results for Volatile Organic Compounds via EPA Method TO-15							
Client Sample ID	**Ambient**	**VP-1**	**VP-2**	**VP-3**	**VP-4**	**VP-5**	**VP-6**
Date Sampled	**1/22/08**	**1/22/08**	**1/18/08**	**1/18/08**	**1/17/08**	**1/17/08**	**1/18/08**
TO-15 List - µg/m^3	----	----	----	----	----	----	----
Bromoform	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	----	----	----	----	----	----	----
n-Heptane	----	----	----	----	----	----	----
4-Methyl-2-pentanone	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	27.8	21,800	20.5	56.0	2,280	671	147,000
1,1,2,2-Tertachloroethane	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	----	----	----	----	----	----	----
Toluene	49.4	168	64.1	43.7	ND	102,000	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane							
Ethylbenzene	9.12	102	13.8	11.1	42,000	70,300	1,490
Styrene	ND	ND	3.07	2.47	ND	ND	ND
m&p-Xylenes	26.9	3,410	57.8	42.0	64,700	682,000	39,000
o-Xylene	9.99	565	18.5	14.8	14,900	171,000	5,990
1,3,5-Trimethylbenzene	ND	368	6.49	3.88	1,890	35,400	4,750
4-Ethyltoluene	----	----	----	----	----	----	----
1,2,4-Trimethylbenzene	11.8	339	15.9	13.2	2,920	68,300	4,660
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND
Benzyl Chloride	----	----	----	----	----	----	----
1,4-Dichlorobenzene	ND	ND	5.41	4.99	ND	ND	ND
Sec-Butylbenzene	----	----	----	----	----	----	----
4-Isopropyltoluene	----	----	----	----	----	----	----
n-Butylbenzene	----	----	----	----	----	----	----
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane	----	----	----	----	----	----	----
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND

Notes:
µg/m^3 = parts per billion
ND=Not Detected above the laboratory minimum detection limit
---- = Not Reported by Laboratory

The State of New York does not have any standards, criteria, or guidance values for concentrations of volatile chemicals in sub-surface vapors (either soil vapor or sub-slab vapor).

Table No. 25 (Continued): Soil Vapor Analytical Results for Volatile Organic Compounds via EPA Method TO-15						
Client Sample ID	**VP-7**	**VP-8**	**VP-9**	**VP-10**	**VP-11**	**VP-11 DUP**
Date Sampled	**1/22/08**	**1/22/08**	**1/18/08**	**1/18/08**	**1/17/08**	**1/17/08**
TO-15 List - µg/m^3	----	----	----	----	----	----
Propene	----	----	----	----	----	----
Dichlorodifluoromethane	3.12	ND	ND	ND	3.56	2.87
1,2-Dichlorotetrafluoroethane	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	ND	ND
Vinyl Bromide	----	----	----	----	----	----
Vinyl Chloride	ND	ND	104	ND	ND	ND
1,3-Butadiene	----	----	----	----	----	----
Chloroethane	ND	ND	ND	ND	ND	ND
Methylene Chloride	8.55	ND	8.34	20.1	6.15	ND
Acetone	35.9	ND	ND	ND	32.5	33.0
Allyl Chloride	----	----	----	----	----	----
Carbon Disulfide	ND	ND	6.85	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluorothane	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	13.9	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	2.53	ND
Ethanol	----	----	----	----	----	----
Acrylonitrile	----	----	----	----	----	----
Vinyl Acetate	ND	ND	ND	ND	ND	ND
Methyl Butyl Ketone	----	----	----	----	----	----
Methyl Ethyl Ketone	----	----	----	----	----	----
Methyl Isobutyl Ketone	----	----	----	----	----	----
Methyl-tert-butyl ether (MtBE)	1.62	8.870	21.6	231	2.70	2.60
Isopropyl Alcohol	----	----	----	----	----	----
Trans-1,2-Dichloroethene	ND	ND	209	ND	ND	ND
Cis-1,2-Dichloroethene	ND	1,800	78,900	61.1	ND	ND
2-Butanone	60.5	ND	117	23.6	33.3	37.8
Hexane	----	----	----	----	----	----
Cyclohexane	----	----	----	----	----	----
Ethyl Acetate	----	----	----	----	----	----
Tetrahydrofuran	----	----	----	----	----	----
Chloroform	5.27	ND	49.3	ND	14.3	13.9
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND
Cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	326	37,600	69.9	2.15	1.67
Benzene	3.77	50,500	562	270	2.11	2.46
Dibromochloromethane	ND	ND	ND	ND	ND	ND

Table No. 25 (Continued): Soil Vapor Analytical Results for Volatile Organic Compounds via EPA Method TO-15						
Client Sample ID	**VP-7**	**VP-8**	**VP-9**	**VP-10**	**VP-11**	**VP-11 DUP**
Date Sampled	**1/22/08**	**1/22/08**	**1/18/08**	**1/18/08**	**1/17/08**	**1/17/08**
TO-15 List - µg/m^3	**----**	**----**	**----**	**----**	**----**	**----**
Trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND
1,4-Dioxane	----	----	----	----	----	----
n-Heptane	----	----	----	----	----	----
4-Methyl-2-pentanone	ND	ND	ND	ND	ND	ND
2-Hexanone	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND
Tetrachloroethene	64.3	1,210,000	5,280,000	17,800	136	94.3
1,1,2,2-Tertachloroethane	ND	ND	ND	234	ND	ND
Isopropylbenzene	----	----	----	----	----	----
Toluene	40.7	19,700	188	ND	26.4	30.3
Chlorobenzene	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	----	----	----	----	----	----
Ethylbenzene	11.1	5,650	72.5	142	12.1	16.2
Styrene	1.75	ND	ND	ND	1.41	1.58
m&p-Xylenes	39.7	136,000	92.1	2,970	46.5	57.8
o-Xylene	11.6	18,800	14.8	424	13.4	16.1
1,3,5-Trimethylbenzene	3.00	12,300	ND	299	3.34	3.00
4-Ethyltoluene	----	----	----	----	----	----
1,2,4-Trimethylbenzene	9.68	10,300	ND	252	10.2	9.00
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
Benzyl Chloride	----	----	----	----	----	----
1,4-Dichlorobenzene	3.73	ND	ND	ND	5.59	3.73
Sec-Butylbenzene	----	----	----	----	----	----
4-Isopropyltoluene	----	----	----	----	----	----
n-Butylbenzene	----	----	----	----	----	----
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane	----	----	----	----	----	----
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND

Notes:
µg/m^3 = parts per billion
ND=Not Detected above the laboratory minimum detection limit
---- = Not Reported by Laboratory

The State of New York does not have any standards, criteria, or guidance values for concentrations of volatile chemicals in sub-surface vapors (either soil vapor or sub-slab vapor).

Table No. 26: Soil Vapor Analytical Results for Volatile Organic Compounds via EPA Method TO-15		
Client Sample ID	**VP-11A**	**VP-12**
Date Sampled	**11/30/09**	**12/3/09**
TO-15 List - µg/m^3	**----**	**----**
Propene	ND	ND
Dichlorodifluoromethane	3.26	ND
1,2-Dichlorotetrafluoroethane	ND	ND
Bromomethane	ND	ND
Chloromethane	ND	ND
Vinyl Bromide	----	----
Vinyl Chloride	ND	187.12
1,3-Butadiene	ND	ND
Chloroethane	ND	ND
Methylene Chloride	ND	ND
Acetone	28.99	ND
Allyl Chloride	----	----
Carbon Disulfide	4.30	ND
1,1,2-Trichloro-1,2,2-trifluorothane	ND	ND
1,1-Dichloroethene	ND	ND
1,1-Dichloroethane	ND	ND
Trichlorofluoromethane	ND	ND
Ethanol	16.25	ND
Acrylonitrile	ND	ND
Vinyl Acetate	----	----
Methyl Butyl Ketone	----	----
Methyl Ethyl Ketone	----	----
Methyl Isobutyl Ketone	----	----
Methyl-tert-butyl ether (MtBE)	ND	ND
Isopropyl Alcohol	ND	ND
Trans-1,2-Dichloroethene	ND	ND
Cis-1,2-Dichloroethene	ND	330.70
2-Butanone	8.79	ND
Hexane	23.76	ND
Cyclohexane	ND	65.40
Ethyl Acetate	ND	ND
Tetrahydrofuran	ND	ND
Chloroform	ND	ND
1,2-Dichloroethane	ND	ND
1,1,1-Trichloroethane	ND	ND
Carbon Tetrachloride	ND	ND
Bromodichloromethane	ND	ND
1,2-Dichloropropane	ND	ND
Cis-1,3-Dichloropropene	ND	ND
Trichloroethene	ND	ND
Benzene	9.06	ND
Dibromochloromethane	ND	ND

Table No. 26: Soil Vapor Analytical Results for Volatile Organic Compounds via EPA Method TO-15		
Client Sample ID	**VP-11A**	**VP-12**
Date Sampled	**11/30/09**	**12/3/09**
TO-15 List - µg/m^3	**----**	**----**
Trans-1,3-Dichloropropene	ND	ND
1,1,2-Trichloroethane	ND	ND
Bromoform	ND	ND
1,4-Dioxane	ND	ND
n-Heptane	7.13	ND
4-Methyl-2-pentanone	ND	ND
2-Hexanone	ND	ND
1,2-Dibromoethane	ND	ND
Tetrachloroethene	1,051.08	135.62
1,1,2,2-Tetrachloroethane	ND	ND
Isopropylbenzene	ND	ND
Toluene	398.85	ND
Chlorobenzene	ND	ND
1,1,1,2-Tetrachloroethane	ND	ND
Ethylbenzene	22.37	ND
Styrene	2.21	ND
m&p-Xylenes	68.07	ND
o-Xylene	15.61	ND
1,3,5-Trimethylbenzene	8.95	ND
4-Ethyltoluene	3.64	ND
1,2,4-Trimethylbenzene	12.49	ND
1,3-Dichlorobenzene	ND	ND
Benzyl Chloride	ND	ND
1,4-Dichlorobenzene	ND	ND
Sec-Butylbenzene	ND	ND
4-Isopropyltoluene	ND	ND
n-Butylbenzene	ND	ND
1,2-Dichlorobenzene	ND	ND
Hexachlorobutadiene	ND	ND
2,2,4-Trimethylpentane	----	----
1,2,4-Trichlorobenzene	ND	ND

Notes:
µg/m^3 = parts per billion
ND=Not Detected above the laboratory minimum detection limit
---- = Not Reported by Laboratory

The State of New York does not have any standards, criteria, or guidance values for concentrations of volatile chemicals in sub-surface vapors (either soil vapor or sub-slab vapor).

Table No. 27: Soil Vapor Analytical Results for Volatile Organic Compounds via EPA Method TO-15					
Client Sample ID	**VP-13**	**VP-13 DUP**	**VP-14**	**VP-15**	**VP-16**
Date Sampled	**3/28/11**	**3/28/11**	**3/28/11**	**3/29/11**	**3/29/11**
TO-15 List - µg/m^3	----	----	----	----	----
Propene	98	79	14	3.3	10
Dichlorodifluoromethane	2.1	2.2	2.0	3.3	1.9
1,2-Dichlorotetrafluoroethane	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND
Chloromethane	ND	ND	0.55	ND	.12
Vinyl Chloride	0.10	0.13	ND	0.10	ND
Vinyl Bromide	ND	ND	ND	ND	ND
1,3-Butadiene	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND
Methylene Chloride	0.42	0.49	0.49	0.49	1.5
Acetone	35	38	32	23	78
Allyl Chloride	ND	ND	ND	ND	ND
Carbon Disulfide	12	4.7	3.5	2.7	4.7
1,1,2-Trichloro-1,2,2-trifluorothane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND
Trichlorofluoromethane	1.2	1.3	1.0	71	0.91
Ethanol	----	----	----	----	----
Acrylonitrile	----	----	----	----	----
Vinyl Acetate	ND	ND	ND	ND	ND
Methyl Butyl Ketone	ND	ND	ND	ND	ND
Methyl Ethyl Ketone	ND	ND	ND	2.1	9.0
Methyl Isobutyl Ketone	ND	ND	ND	0.46	ND
Methyl-tert-butyl ether (MtBE)	ND	ND	ND	ND	ND
Isopropyl Alcohol	ND	ND	ND	ND	ND
Trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
2-Butanone	----	----	----	----	----
Hexane	86	66	41	18	14
Cyclohexane	21	19	17	3.3	6.4
Ethyl Acetate	ND	ND	ND	ND	ND
Tetrahydrofuran	ND	ND	ND	ND	ND
Chloroform	9.2	9.0	1.5	15	89
1,2-Dichloroethane	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Bromodichloromethane	1.4	1.3	ND	0.82	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND
Cis-1,3-Dichloropropene	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND
Benzene	17	18	22	13	9.7
Dibromochloromethane	ND	ND	ND	ND	ND

Table No. 27: Soil Vapor Analytical Results for Volatile Organic Compounds via EPA Method TO-15					
Client Sample ID	**VP-13**	**VP-13 DUP**	**VP-14**	**VP-15**	**VP-16**
Date Sampled	**3/28/11**	**3/28/11**	**3/28/11**	**3/29/11**	**3/29/11**
TO-15 List - µg/m^3	**----**	**----**	**----**	**----**	**----**
Trans-1,3-Dichloropropene	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND
1,4-Dioxane	ND	ND	ND	ND	ND
n-Heptane	19	18	23	8.2	7.2
4-Methyl-2-pentanone	----	----	----	----	----
2-Hexanone	----	----	----	----	----
1,2-Dibromoethane	ND	ND	ND	ND	ND
Tetrachloroethene	5.9	5.5	8.7	34	8.8
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND
Isopropylbenzene	----	----	----	----	----
Toluene	450	460	270	370	290
Chlorobenzene	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	----	----	----	----	----
Ethylbenzene	49	50	28	51	37
Styrene	6.2	6.3	3.3	6.5	5.5
m&p-Xylenes	160	140	86	190	120
o-Xylene	36	34	18	43	27
1,3,5-Trimethylbenzene	6.1	5.8	3.0	7.0	5.9
4-Ethyltoluene	9.9	8.6	4.1	10	9.0
1,2,4-Trimethylbenzene	15	13	8.0	25	14
1,3-Dichlorobenzene	ND	ND	ND	ND	ND
Benzyl Chloride	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND
Sec-Butylbenzene	----	----	----	----	----
4-Isopropyltoluene	----	----	----	----	----
n-Butylbenzene	----	----	----	----	----
1,2-Dichlorobenzene	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane	10	9.5	8.3	2.5	39
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND

Notes:
µg/m^3 = parts per billion
ND=Not Detected above the laboratory minimum detection limit
---- = Not Reported by Laboratory

The State of New York does not have any standards, criteria, or guidance values for concentrations of volatile chemicals in sub-surface vapors (either soil vapor or sub-slab vapor).

Table No. 28:
Soil Vapor Intrusion Sample Collection Data – Structure No. 1

Sample No.	Location	Date	Regulator Time	Start Time	End Time	Start PSI	End PSI	Summa® Canister No.	Regulator No.
1	1st Floor Structure No. 1-A	3-3-11	8 hr	7:12 am	3:12 pm	30+	4	745	689
2	Ambient Structure No. 1-A	3-3-11	2 hr	7:19 am	9:19 am	30+	9	735	528
3	Basement Structure No. 1-A	3-3-11	24 hr	12:00 pm	12:00 pm	30	7	750	719
4	Sub-Slab Structure No. 1-A	3-3-11	24 hr	12:00 pm	12:00 pm	30+	10	820	702
5	Ambient Structure No. 1-B	3-7-11	2 hr	9:21 am	11:21 am	30+	6	738	715
6	Sub-Slab Structure No. 1-B	3-7-11	24 hr	9:15 am	9:15 am	29	3	829	520
7	1st Floor Structure No. 1-B	3-7-11	24 hr	9:18 am	9:18 am	30	4	827	655

Notes:
PSI = Pounds per Square Inch
hr = Hour

Table No. 29:
Soil Vapor Intrusion Sample Collection Data – Structure No. 2

Sample No.	Location	Date	Regulator Time	Start Time	End Time	Start PSI	End PSI	Summa® Canister No.	Regulator No.
1	Ambient Structure No. 2	3-8-11	2 hr	10:34 am	12:34 pm	30+	4	832	708
2	Sub-Slab Structure No. 2	3-8-11	24 hr	11:15 am	11:15 am	30+	6	737	661
3	Basement Structure No. 2	3-8-11	24 hr	11:20 am	11:20 am	30+	6	860	530
4	1st Floor Structure No. 2	3-8-11	24 hr	11:24 am	11:24 am	30	5	749	647

Notes:
PSI = Pounds per Square Inch
hr = Hour

Table No. 30:
Soil Vapor Intrusion Sample Collection Data – Structure No. 3

Sample No.	Location	Date	Regulator Time	Start Time	End Time	Start PSI	End PSI	Summa® Canister No.	Regulator No.
1	1st Floor Structure No. 3 DUP	3-14-11	24 hr	9:06 am	9:06 am	30+	13	822	523
2	1st Floor Structure No. 3	3-14-11	24 hr	9:06 am	9:06 am	30+	3	861	683
3	Sub-Slab Structure No. 3	3-14-11	24 hr	9:00 am	9:00 am	30	7	821	718
4	Ambient Structure No. 3	3-14-11	2 hr	9:15 am	11:15 am	30	7	736	733

Notes:
PSI = Pounds per Square Inch
hr = Hour

Table No. 31:
Soil Vapor Intrusion Sample Collection Data – Structure No. 4

Sample No.	Location	Date	Regulator Time	Start Time	End Time	Start PSI	End PSI	Summa® Canister No.	Regulator No.
1	Sub-Slab Structure No. 4	3-24-11	24 hr	9:00 am	9:00 am	30+	4	746	713
2	Basement Structure No. 4	3-24-11	24 hr	9:00 am	9:00 am	29.5	2	744	704
3	1st Floor Structure No. 4	3-24-11	24 hr	9:06 am	9:06 am	30	2	834	534
4	Ambient Structure No. 4	3-24-11	2 hr	9:12 am	11:12 am	29.5	11	836	711

Notes:
PSI = Pounds per Square Inch
hr = Hour

Table No. 32: Soil Vapor Intrusion Analytical Results for Volatile Organic Compounds via EPA Method TO-15 – Structure No. 1								
Client Sample ID	**Background Values**	**1 1st Floor**	**2 Ambient**	**3 Basement**	**4 Sub-Slab[1]**	**5 Ambient**	**6 Sub-Slab[1]**	**7 1st Floor**
Date Sampled	**----**	**3/3/11**	**3/3/11**	**3/3/11**	**3/3/11**	**3/7/11**	**3/7/11**	**3/7/11**
TO-15 List - µg/m³		**----**	**----**	**----**	**----**	**----**	**----**	**----**
1,1,1-Trichloroethane	3.1	**9.5**	ND	**5.2**	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	<0.25	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	<0.25	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	<0.25	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	<0.25	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	3.4	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	9.5	6.5	0.55	8.2	0.80	ND	810	1.8
1,2-Dibromoethane	<0.25	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	0.7	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	<0.25	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	<0.25	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	3.6	2.8	ND	**3.7**	ND	ND	28	0.55
1,3-Butadiene	NA	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.6	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1.3	**6.1**	ND	**33**	ND	ND	ND	0.86
1,4-Dioxane	NA	ND	ND	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane	NA	ND	0.57	0.71	ND	ND	50	0.76
4-Ethyltoluene	NA	1.8	ND	3.1	ND	ND	28	ND
Acetone	110	17	5.2	20	3.8	12	1,400	11
Allyl Chloride	NA	ND	ND	0.89	ND	ND	ND	ND
Benzene	15	1.3	1.1	1.4	0.32	0.52	500	1.1
Benzyl Chloride	NA	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	NA	ND	ND	ND	ND	ND	ND	ND
Bromoform	NA	ND	ND	ND	ND	ND	ND	ND
Bromomethane	0.6	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	NA	ND	ND	0.51	ND	ND	18	ND
Carbon Tetrachloride	0.8	ND	0.58	**0.96**	ND	0.45	ND	ND
Chlorobenzene	<0.25	ND	ND	ND	ND	ND	ND	ND
Chloroethane	<0.25	ND	ND	ND	ND	ND	ND	ND
Chloroform	1.4	ND	ND	ND	ND	ND	ND	ND
Chloromethane	3.3	0.78	0.90	0.88	ND	0.73	0.34	0.71
Cis-1,2-Dichloroethene	<0.25	ND	ND	ND	ND	ND	3.7	**0.89**
Cis-1,3-Dichloropropene	<0.25	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	8.1	ND	ND	ND	ND	ND	46	ND
Dibromochloromethane	NA	ND	ND	ND	ND	ND	ND	ND
Ethyl Acetate	NA	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	7.3	2.0	ND	1.9	ND	ND	790	0.49
Trichlorofluoromethane (Freon 11)	17	1.3	1.4	1.3	ND	2.2	1.3	1.8
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NA	ND	ND	ND	ND	ND	ND	ND

Table No. 32:
Soil Vapor Intrusion Analytical Results for Volatile Organic Compounds via EPA Method TO-15 – Structure No. 1

Client Sample ID	Background Values	1 1st Floor	2 Ambient	3 Basement	4 Sub-Slab[1]	5 Ambient	6 Sub-Slab[1]	7 1st Floor
Date Sampled	**----**	**3/3/11**	**3/3/11**	**3/3/11**	**3/3/11**	**3/7/11**	**3/7/11**	**3/7/11**
TO-15 List - µg/m^3		**----**	**----**	**----**	**----**	**----**	**----**	**----**
1,2-Dichlorotetrafluoroethane (Freon 114)	NA	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane (Freon 12)	NA	2.4	2.7	2.5	ND	2.3	2.4	2.3
Heptane	NA	0.92	ND	1.2	ND	4.0	90	0.46
Hexachlorobutadiene	4.6	ND	ND	ND	ND	ND	ND	ND
Hexane	NA	ND	ND	ND	ND	1.1	410	1.1
Isopropyl Alcohol	NA	17	1.7	12	ND	4.7	ND	3.8
m&p-Xylenes	12	5.5	1.1	5.2	1.1	ND	2,400	1.3
Methyl Butyl Ketone	NA	ND	ND	ND	ND	ND	ND	ND
Methyl Ethyl Ketone	16	1.6	ND	ND	ND	ND	28	ND
Methyl Isobutyl Ketone	2.2	ND	ND	ND	ND	ND	8.7	ND
Methyl-tert-butyl ether (MtBE)	26	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	60 [2]	7.1	ND	21	0.35	1.5	1.2	0.46
o-Xylene	7.6	2.0	ND	2.3	ND	ND	640	0.53
Propene	NA	ND	ND	ND	ND	ND	ND	ND
Styrene	1.3	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	100 [2]	ND	ND	ND	ND	ND	23	49
Tetrahydrofuran	3.3	ND	ND	ND	ND	ND	ND	ND
Toluene	58	5.7	1.3	7.2	1.3	0.61	10,000	2.3
Trans-1,2-Dichloroethene	NA	ND	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	<0.25	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5 [2]	ND	ND	ND	ND	0.55	2.5	1.0
Vinyl Acetate	NA	ND	ND	ND	ND	ND	ND	ND
Vinyl Bromide	NA	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	<0.25	ND	ND	ND	ND	ND	ND	ND

Notes:
µg/m^3 = parts per billion
NA = Background Value Not Established
ND=Not Detected above the laboratory minimum detection limit
Background Values = NYSDOH 2003 Study of Volatile Organic Chemicals in Air of Fuel Oil Heated Homes
[1] The State of New York does not have any standards, criteria, or guidance values for concentrations of volatile chemicals in sub-surface vapors (either soil vapor or sub-slab vapor).
[2] Guidance Value as listed in Table 3.1 Air guideline values derived by the NYSDOH
BOLD Indicates Result Above Background Value

Table No. 33: Soil Vapor Intrusion Analytical Results for Volatile Organic Compounds via EPA Method TO-15 – Structure No. 2					
Client Sample ID	**Background Values**	**1 Ambient**	**2 Sub-Slab**	**3 Basement**	**4 1st Floor**
Date Sampled	**----**	**3/8/11**	**3/8/11**	**3/8/11**	**3/8/11**
TO-15 List - µg/m3		**----**	**----**	**----**	**----**
1,1,1-Trichloroethane	3.1	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	<0.25	ND	ND	ND	ND
1,1,2-Trichloroethane	<0.25	ND	ND	ND	ND
1,1-Dichloroethane	<0.25	ND	ND	ND	ND
1,1-Dichloroethene	<0.25	ND	ND	ND	ND
1,2,4-Trichlorobenzene	3.4	ND	ND	ND	ND
1,2,4-Trimethylbenzene	9.5	ND	91	**14**	**22**
1,2-Dibromoethane	<0.25	ND	ND	ND	ND
1,2-Dichlorobenzene	0.7	ND	ND	ND	ND
1,2-Dichloroethane	<0.25	ND	ND	ND	ND
1,2-Dichloropropane	<0.25	ND	ND	ND	ND
1,3,5-Trimethylbenzene	3.6	ND	20	**8.1**	**9.4**
1,3-Butadiene	NA	0.88	ND	ND	ND
1,3-Dichlorobenzene	0.6	ND	ND	ND	ND
1,4-Dichlorobenzene	1.3	ND	ND	ND	ND
1,4-Dioxane	NA	ND	ND	ND	ND
2,2,4-Trimethylpentane	NA	ND	35	16	33
4-Ethyltoluene	NA	ND	21	7.1	7.9
Acetone	110	4.5	150	ND	14
Allyl Chloride	NA	ND	ND	ND	ND
Benzene	15	0.94	47	14	**22**
Benzyl Chloride	NA	ND	ND	ND	ND
Bromodichloromethane	NA	ND	ND	ND	ND
Bromoform	NA	ND	ND	ND	ND
Bromomethane	0.6	ND	ND	ND	ND
Carbon Disulfide	NA	ND	5.4	ND	ND
Carbon Tetrachloride	0.8	0.45	ND	ND	ND
Chlorobenzene	<0.25	ND	ND	ND	ND
Chloroethane	<0.25	ND	1.7	ND	ND
Chloroform	1.4	ND	8.8	ND	ND
Chloromethane	3.3	0.80	1.2	0.94	1.0
Cis-1,2-Dichloroethene	<0.25	ND	0.81	ND	ND
Cis-1,3-Dichloropropene	<0.25	ND	ND	ND	ND
Cyclohexane	8.1	ND	26	7.5	**8.4**
Dibromochloromethane	NA	ND	ND	ND	ND
Ethyl Acetate	NA	ND	ND	ND	ND
Ethylbenzene	7.3	ND	69	7.1	**12**
Trichlorofluoromethane (Freon 11)	17	1.3	1.9	1.9	1.7
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NA	ND	ND	ND	ND
1,2-Dichlorotetrafluoroethane (Freon 114)	NA	ND	ND	ND	ND
Dichlorodifluoromethane (Freon 12)	NA	2.4	2.4	2.6	2.4

Table No. 33: Soil Vapor Intrusion Analytical Results for Volatile Organic Compounds via EPA Method TO-15 – Structure No. 2					
Client Sample ID	**Background Values**	**1 Ambient**	**2 Sub-Slab**	**3 Basement**	**4 1st Floor**
Date Sampled	**----**	**3/8/11**	**3/8/11**	**3/8/11**	**3/8/11**
TO-15 List - µg/m3		**----**	**----**	**----**	**----**
Heptane	NA	ND	60	6.7	9.2
Hexachlorobutadiene	4.6	ND	ND	ND	ND
Hexane	NA	0.43	49	11	15
Isopropyl Alcohol	NA	1.5	ND	ND	3.8
m&p-Xylenes	12	0.71	210	**23**	**40**
Methyl Butyl Ketone	NA	ND	ND	ND	ND
Methyl Ethyl Ketone	16	ND	16	ND	ND
Methyl Isobutyl Ketone	2.2	ND	5.3	1.9	2.0
Methyl-tert-butyl ether (MtBE)	26	ND	ND	ND	ND
Methylene Chloride	60 [2]	0.35	0.71	0.56	0.53
o-Xylene	7.6	ND	48	**7.9**	**14**
Propene	NA	ND	ND	ND	ND
Styrene	1.3	ND	16	**3.0**	**3.6**
Tetrachloroethene	100 [2]	ND	15	ND	ND
Tetrahydrofuran	3.3	ND	ND	ND	ND
Toluene	58	1.3	2,100	44	**75**
Trans-1,2-Dichloroethene	NA	ND	ND	ND	ND
Trans-1,3-Dichloropropene	<0.25	ND	ND	ND	ND
Trichloroethene	5 [2]	ND	0.98	ND	ND
Vinyl Acetate	NA	ND	ND	ND	ND
Vinyl Bromide	NA	ND	ND	ND	ND
Vinyl Chloride	<0.25	ND	ND	ND	ND

Notes:
µg/m3 = parts per billion
NA = Background Value Not Established
ND=Not Detected above the laboratory minimum detection limit
Background Values = NYSDOH 2003 Study of Volatile Organic Chemicals in Air of Fuel Oil Heated Homes
[1] The State of New York does not have any standards, criteria, or guidance values for concentrations of volatile chemicals in sub-surface vapors (either soil vapor or sub-slab vapor).
[2] Guidance Value as listed in Table 3.1 Air guideline values derived by the NYSDOH
BOLD Indicates Result Above Background Value

Table No. 34: Soil Vapor Intrusion Analytical Results for Volatile Organic Compounds via EPA Method TO-15 – Structure No. 3					
Client Sample ID	**Background Values**	**1 1st Floor DUP**	**2 1st Floor**	**3 Sub-Slab[1]**	**4 Ambient**
Date Sampled	**----**	**3/14/11**	**3/14/11**	**3/14/11**	**3/14/11**
TO-15 List - µg/m³		**----**	**----**	**----**	**----**
1,1,1-Trichloroethane	3.1	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	<0.25	ND	ND	ND	ND
1,1,2-Trichloroethane	<0.25	ND	ND	ND	ND
1,1-Dichloroethane	<0.25	ND	ND	ND	ND
1,1-Dichloroethene	<0.25	ND	ND	ND	ND
1,2,4-Trichlorobenzene	3.4	ND	ND	ND	ND
1,2,4-Trimethylbenzene	9.5	1.1	1.9	160	1.0
1,2-Dibromoethane	<0.25	ND	ND	ND	ND
1,2-Dichlorobenzene	0.7	ND	ND	ND	ND
1,2-Dichloroethane	<0.25	ND	ND	ND	ND
1,2-Dichloropropane	<0.25	ND	ND	ND	ND
1,3,5-Trimethylbenzene	3.6	ND	0.85	43	ND
1,3-Butadiene	NA	ND	ND	ND	ND
1,3-Dichlorobenzene	0.6	ND	ND	ND	ND
1,4-Dichlorobenzene	1.3	ND	ND	ND	ND
1,4-Dioxane	NA	ND	ND	ND	ND
2,2,4-Trimethylpentane	NA	ND	ND	85	0.66
4-Ethyltoluene	NA	ND	ND	56	ND
Acetone	110	11	16	780	8.2
Allyl Chloride	NA	ND	ND	ND	ND
Benzene	15	1.1	1.2	270	1.4
Benzyl Chloride	NA	ND	ND	ND	ND
Bromodichloromethane	NA	ND	ND	ND	ND
Bromoform	NA	ND	ND	ND	ND
Bromomethane	0.6	ND	ND	ND	ND
Carbon Disulfide	NA	ND	ND	4.0	ND
Carbon Tetrachloride	0.8	0.51	0.51	0.45	0.51
Chlorobenzene	<0.25	ND	ND	ND	ND
Chloroethane	<0.25	ND	ND	ND	ND
Chloroform	1.4	ND	ND	2.9	ND
Chloromethane	3.3	0.90	0.86	ND	0.90
Cis-1,2-Dichloroethene	<0.25	ND	ND	ND	ND
Cis-1,3-Dichloropropene	<0.25	ND	ND	ND	ND
Cyclohexane	8.1	0.45	ND	76	ND
Dibromochloromethane	NA	ND	ND	ND	ND
Ethyl Acetate	NA	ND	ND	ND	ND
Ethylbenzene	7.3	ND	ND	300	0.49
Trichlorofluoromethane (Freon 11)	17	2.6	2.6	2.1	2.1
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NA	ND	ND	ND	ND
1,2-Dichlorotetrafluoroethane (Freon 114)	NA	ND	ND	ND	ND
Dichlorodifluoromethane (Freon 12)	NA	2.6	2.6	2.5	2.5
Heptane	NA	ND	ND	200	ND
Hexachlorobutadiene	4.6	ND	ND	ND	ND
Hexane	NA	0.68	ND	280	ND
Isopropyl Alcohol	NA	ND	6.7	ND	1.4
m&p-Xylenes	12	1.3	1.6	890	1.4
Methyl Butyl Ketone	NA	ND	ND	ND	ND
Methyl Ethyl Ketone	16	ND	ND	43	ND

Table No. 34:
Soil Vapor Intrusion Analytical Results for Volatile Organic Compounds via EPA Method TO-15 – Structure No. 3

Client Sample ID	Background Values	1 1st Floor DUP	2 1st Floor	3 Sub-Slab[1]	4 Ambient
Date Sampled	**----**	**3/14/11**	**3/14/11**	**3/14/11**	**3/14/11**
TO-15 List - µg/m³		**----**	**----**	**----**	**----**
Methyl Isobutyl Ketone	2.2	ND	ND	ND	ND
Methyl-tert-butyl ether (MtBE)	26	ND	ND	ND	ND
Methylene Chloride	60 [2]	0.39	0.35	ND	ND
o-Xylene	7.6	0.44	0.57	200	0.53
Propene	NA	ND	ND	ND	ND
Styrene	1.3	ND	ND	31	ND
Tetrachloroethene	100 [2]	1.1	1.2	97	ND
Tetrahydrofuran	3.3	ND	ND	ND	ND
Toluene	58	2.0	2.2	5,500	2.3
Trans-1,2-Dichloroethene	NA	ND	ND	ND	ND
Trans-1,3-Dichloropropene	<0.25	ND	ND	ND	ND
Trichloroethene	5 [2]	ND	ND	ND	ND
Vinyl Acetate	NA	ND	ND	ND	ND
Vinyl Bromide	NA	ND	ND	ND	ND
Vinyl Chloride	<0.25	ND	ND	ND	ND

Notes:
µg/m³ = parts per billion
NA = Background Value Not Established
ND=Not Detected above the laboratory minimum detection limit
Background Values = NYSDOH 2003 Study of Volatile Organic Chemicals in Air of Fuel Oil Heated Homes
[1] The State of New York does not have any standards, criteria, or guidance values for concentrations of volatile chemicals in sub-surface vapors (either soil vapor or sub-slab vapor).
[2] Guidance Value as listed in Table 3.1 Air guideline values derived by the NYSDOH
BOLD Indicates Result Above Background Value

Table No. 35: Soil Vapor Intrusion Analytical Results for Volatile Organic Compounds via EPA Method TO-15 – Structure No. 4					
Client Sample ID	**Background Values**	**1 Sub-Slab[1]**	**2 Basement**	**3 1st Floor**	**4 Ambient**
Date Sampled	**----**	**3/24/11**	**3/24/11**	**3/24/11**	**3/24/11**
TO-15 List - µg/m³		**----**	**----**	**----**	**----**
1,1,1-Trichloroethane	3.1	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	<0.25	ND	ND	ND	ND
1,1,2-Trichloroethane	<0.25	ND	ND	ND	ND
1,1-Dichloroethane	<0.25	ND	ND	ND	ND
1,1-Dichloroethene	<0.25	ND	ND	ND	ND
1,2,4-Trichlorobenzene	3.4	ND	ND	ND	ND
1,2,4-Trimethylbenzene	9.5	330	**17**	3.0	0.70
1,2-Dibromoethane	<0.25	ND	ND	ND	ND
1,2-Dichlorobenzene	0.7	ND	ND	ND	ND
1,2-Dichloroethane	<0.25	ND	ND	0.78	ND
1,2-Dichloropropane	<0.25	ND	ND	ND	ND
1,3,5-Trimethylbenzene	3.6	66	**7.6**	1.0	ND
1,3-Butadiene	NA	ND	ND	ND	ND
1,3-Dichlorobenzene	0.6	ND	ND	ND	ND
1,4-Dichlorobenzene	1.3	ND	ND	13	ND
1,4-Dioxane	NA	ND	ND	ND	ND
2,2,4-Trimethylpentane	NA	86	1.3	0.57	0.81
4-Ethyltoluene	NA	91	1.6	ND	ND
Acetone	110	300	51	15	6.5
Allyl Chloride	NA	ND	ND	ND	ND
Benzene	15	170	1.8	1.2	1.0
Benzyl Chloride	NA	ND	ND	ND	ND
Bromodichloromethane	NA	ND	0.75	ND	ND
Bromoform	NA	ND	ND	ND	ND
Bromomethane	0.6	ND	ND	ND	ND
Carbon Disulfide	NA	11	ND	ND	ND
Carbon Tetrachloride	0.8	0.38	0.51	0.51	0.58
Chlorobenzene	<0.25	ND	ND	ND	ND
Chloroethane	<0.25	ND	ND	ND	ND
Chloroform	1.4	3.8	**9.4**	**1.7**	ND
Chloromethane	3.3	0.36	1.0	1.8	0.86
Cis-1,2-Dichloroethene	<0.25	ND	ND	ND	ND
Cis-1,3-Dichloropropene	<0.25	ND	ND	ND	ND
Cyclohexane	8.1	92	ND	ND	ND
Dibromochloromethane	NA	ND	ND	ND	ND
Ethyl Acetate	NA	ND	4.9	10	ND
Ethylbenzene	7.3	200	1.2	0.62	ND
Trichlorofluoromethane (Freon 11)	17	1.4	1.7	2.1	1.3
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NA	ND	ND	ND	ND
1,2-Dichlorotetrafluoroethane (Freon 114)	NA	ND	ND	ND	ND
Dichlorodifluoromethane (Freon 12)	NA	2.3	2.5	2.5	2.5

Table No. 35: Soil Vapor Intrusion Analytical Results for Volatile Organic Compounds via EPA Method TO-15 – Structure No. 4					
Client Sample ID	**Background Values**	**1 Sub-Slab[1]**	**2 Basement**	**3 1st Floor**	**4 Ambient**
Date Sampled	**----**	**3/24/11**	**3/24/11**	**3/24/11**	**3/24/11**
TO-15 List - µg/m³		**----**	**----**	**----**	**----**
Heptane	NA	170	ND	1.5	ND
Hexachlorobutadiene	4.6	ND	ND	ND	ND
Hexane	NA	170	ND	ND	ND
Isopropyl Alcohol	NA	ND	13	6.5	ND
m&p-Xylenes	12	570	9.8	2.3	0.97
Methyl Butyl Ketone	NA	ND	ND	ND	ND
Methyl Ethyl Ketone	16	54	2.1	2.9	ND
Methyl Isobutyl Ketone	2.2	13	ND	ND	ND
Methyl-tert-butyl ether (MtBE)	26	ND	ND	ND	ND
Methylene Chloride	60 [2]	0.88	1.7	2.3	0.88
o-Xylene	7.6	140	3.9	0.93	ND
Propene	NA	ND	ND	ND	ND
Styrene	1.3	52	1.3	ND	ND
Tetrachloroethene	100 [2]	120	3.0	0.69	ND
Tetrahydrofuran	3.3	ND	ND	ND	ND
Toluene	58	5,900	7.1	4.2	2.3
Trans-1,2-Dichloroethene	NA	ND	ND	ND	ND
Trans-1,3-Dichloropropene	<0.25	ND	ND	ND	ND
Trichloroethene	5 [2]	ND	ND	ND	0.71
Vinyl Acetate	NA	ND	ND	ND	ND
Vinyl Bromide	NA	ND	ND	ND	ND
Vinyl Chloride	<0.25	ND	ND	ND	ND

Notes:
µg/m³ = parts per billion
NA = Background Value Not Established
ND=Not Detected above the laboratory minimum detection limit
Background Values = NYSDOH 2003 Study of Volatile Organic Chemicals in Air of Fuel Oil Heated Homes
[1] The State of New York does not have any standards, criteria, or guidance values for concentrations of volatile chemicals in sub-surface vapors (either soil vapor or sub-slab vapor).
[2] Guidance Value as listed in Table 3.1 Air guideline values derived by the NYSDOH
BOLD Indicates Result Above Background Value

Table No. 36: Potential Exposure Pathways				
Contaminant Source	**Route of Exposure**	**Release and Transport Mechanism**	**Point of Exposure**	**Potential Receptors Population**
On-site Soils	Ingestion	The potential exists for ingestion through dermal contamination (hand to mouth) and through the ingestion of contaminated dust.	Site Excavation	Commercial, Residential, Off-Site & Construction Worker
	Dermal absorption*	Excavation of soils for repair, maintenance, construction	Site Excavation	Commercial, Residential, Off-Site & Construction Worker
	Inhalation	Soil vapor exposure to building occupants and site workers	Indoor air of future structures, site construction and development workers	Commercial, Residential, Off-Site & Construction Worker
Off-site Soils	Ingestion	The potential exists for ingestion through dermal contamination (hand to mouth) and through the ingestion of contaminated dust.	Excavation	Commercial, Residential & Construction Worker
	Dermal absorption*	Excavation of soils for repair, maintenance, construction	Excavation	Construction Worker
	Inhalation	Soil vapor exposure to building occupants and site workers	Indoor air of existing structures, construction workers	Commercial, Residential & Construction Worker
On-site Groundwater	Ingestion	Excavation to Groundwater for repair, maintenance, construction via incidental ingestion	Excavation	Commercial, Residential & Construction Worker
	Dermal absorption*	Excavation to Groundwater for repair, maintenance, construction	Excavation	Construction Worker
	Inhalation	Soil vapor from volatilization of groundwater contamination	Indoor air of future structures, site construction and development workers	Commercial, Residential & Construction Worker
Off-site Groundwater	Ingestion	Excavation to Groundwater for repair, maintenance, construction via incidental ingestion	Excavation	Construction Worker
	Dermal absorption*	Excavation to Groundwater for repair, maintenance, construction	Excavation	Construction Worker
	Inhalation	Soil vapor from volatilization of groundwater contamination	Indoor air of existing structures, construction workers in excavations or exposed to GW	Commercial, Residential & Construction Worker
On-Site Soil Vapors	Ingestion	None	None	None
	Dermal absorption*	None	None	None
	Inhalation	Excavation to Groundwater for repair, maintenance, construction Soil vapor from volatilization of groundwater contamination	Indoor air of future structures, site construction and development workers	Commercial, Residential & Construction Worker
Off-Site Soil Vapors	Ingestion	None	None	None
	Dermal absorption*	None	None	None
	Inhalation	Excavation to Groundwater for repair, maintenance, construction Soil vapor from volatilization of groundwater contamination	Indoor air of structures, Future site construction and development workers	Commercial, Residential & Construction Worker

Notes: *Dermal exposure also assumes eye/ear pathways

Appendix A
Figures

JCB LEGEND

SUBJECT SITE

J.C. BRODERICK & Associates
Environmental Consulting and Testing
1775 Express Drive North
Hauppauge, New York 11788
Phone: (631).584.5492
Fax: (631).584.3395

Notes:

4566 Broadway LLC.
4566 Broadway Avenue
New York, NY 10040

BCP# C231054

Drawing Title

Figure No. 1

Site Location Map

Scale	Project No.	Date
As Noted	11-21522	11-18-11

Drawn By	Checked By	Page No.
J.V.N.	S.W.M.	1 of 22

Drawing No.

1

PROJECT NORTH

80 40 0 50 100

Fort Tryon Park

Intermediate School #218
&
Middle School #322

Broadway Avenue

West 196th Street

Ellwood Street

Nagle Avenue

Parking

YMHA of
Washington
Heights

Open Space and
Outdoor Recreation
For IS 218

6-Story
Apt. & Commercial
with Basement

Subject
Site

Nagle Avenue

6-Story
Apt. w/ Basement

6-Story Apt.
with Basement

6-Story Apt.
with Basement

7-Story
Apt. & Commercial
with Basement

Bogardus Place

Hillside Avenue

Bennett Avenue

5-Bay
Garage

7-Story
Apt. w/ Basement

Broadway Avenue

4-Story
Brick
Post Office

2-Story
Apt. w/ Basement

Hillside Avenue

Base Map Provided by Control Point Associates, Inc., Licensed New York Professional Land Surveyors.

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& Associates
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1775 Express Drive North
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BCP# C231054

Drawing Title

Figure No. 2

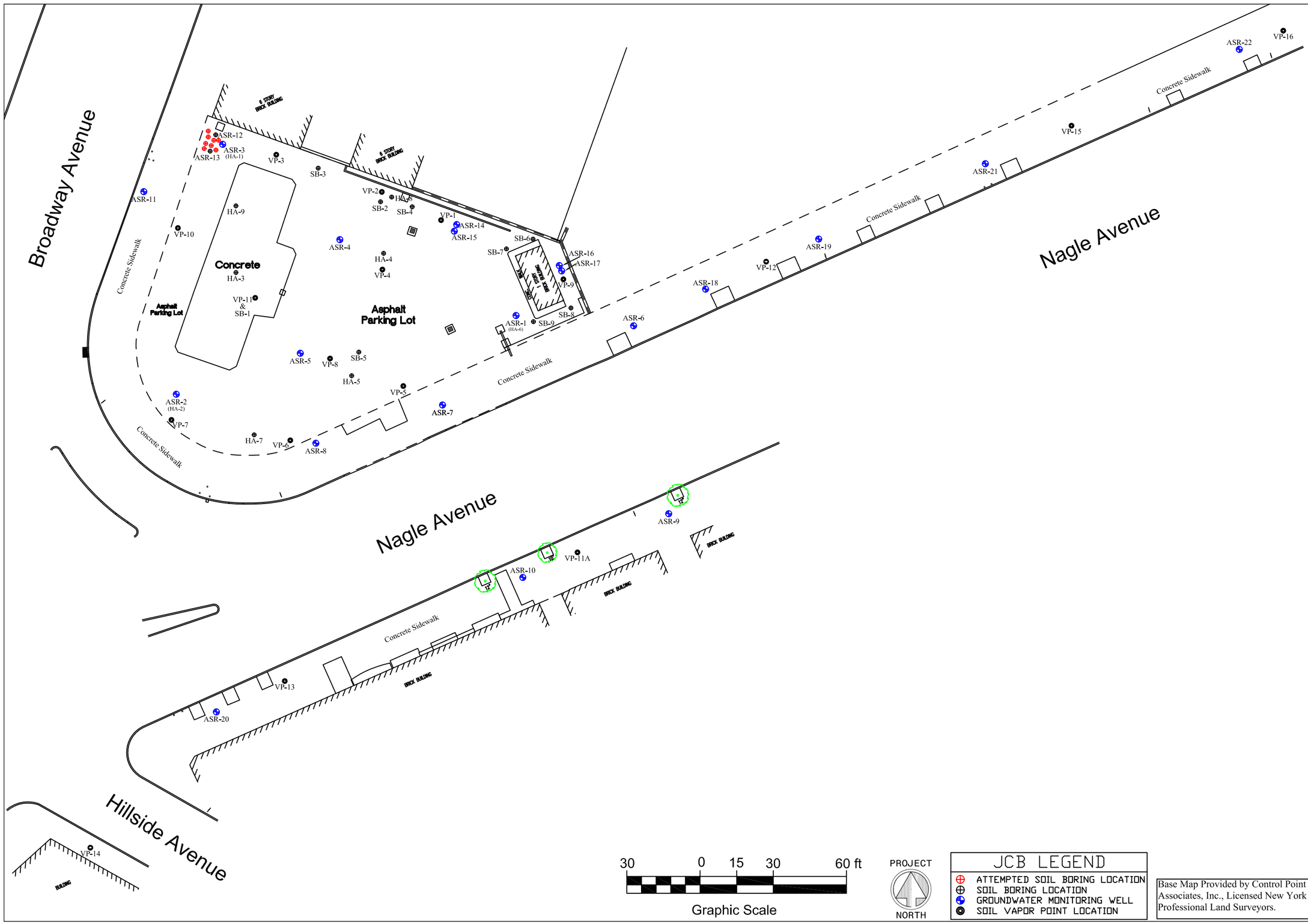
Surrounding
Area Use
Map

Scale	Project No.	Date
As Noted	11-21522	11-18-11

Drawn By	Checked By	Page No.
J.V.N.	S.W.M.	2 of 22

Drawing No.

2



JCB LEGEND

- ATTEMPTED SOIL BORING LOCATION
- SOIL BORING LOCATION
- GROUNDWATER MONITORING WELL
- SOIL VAPOR POINT LOCATION

Base Map Provided by Control Point Associates, Inc., Licensed New York Professional Land Surveyors.

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Drawing Title

Figure No. 3

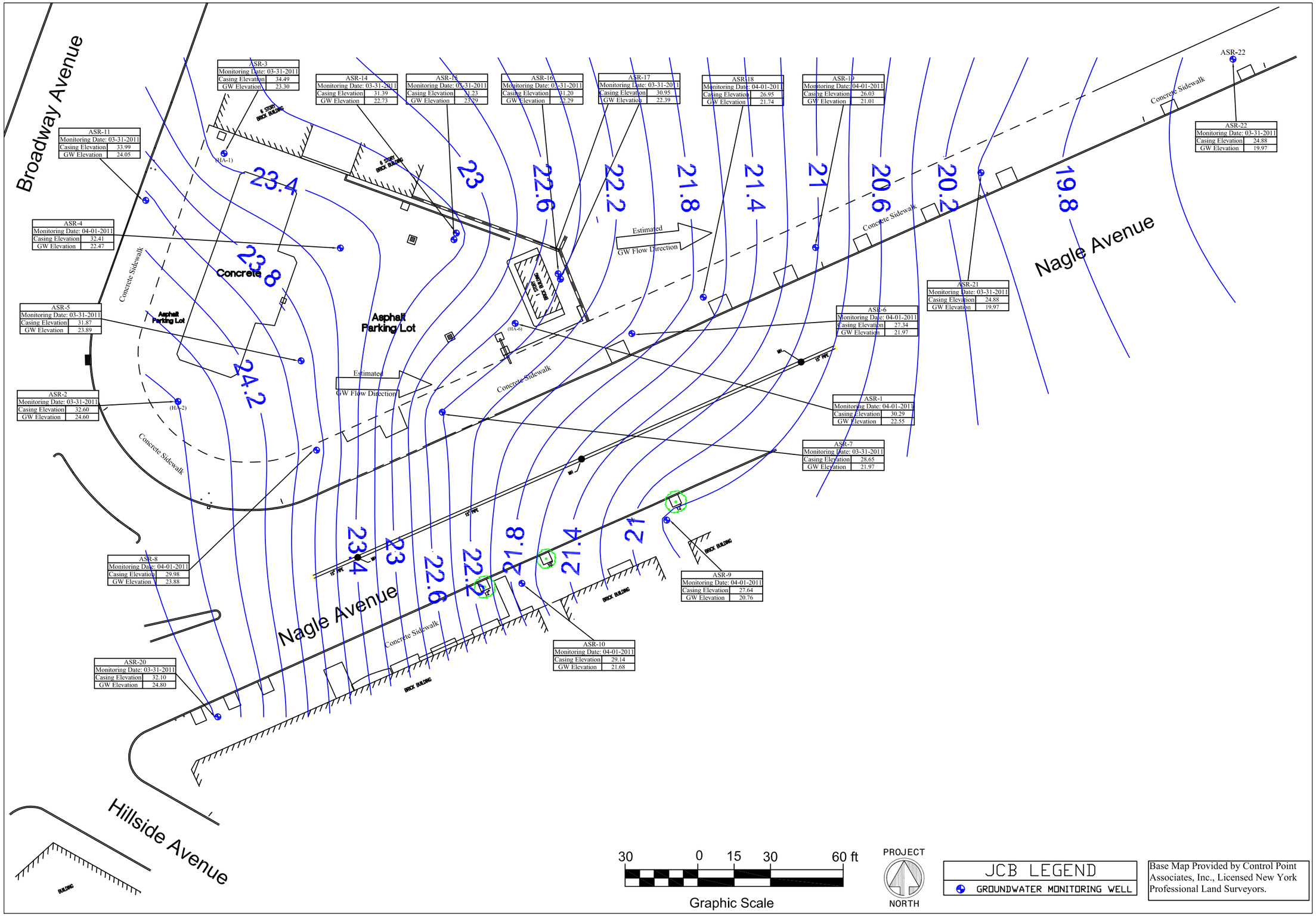
Soil Boring, Vapor Point and Groundwater Monitoring Well Locations

Scale	Project No.	Date
As Noted	11-21522	11-18-11

Drawn By	Checked By	Page No.
J.V.N.	S.W.M.	3 of 22

Drawing No.

3



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Drawing Title

Figure No. 4

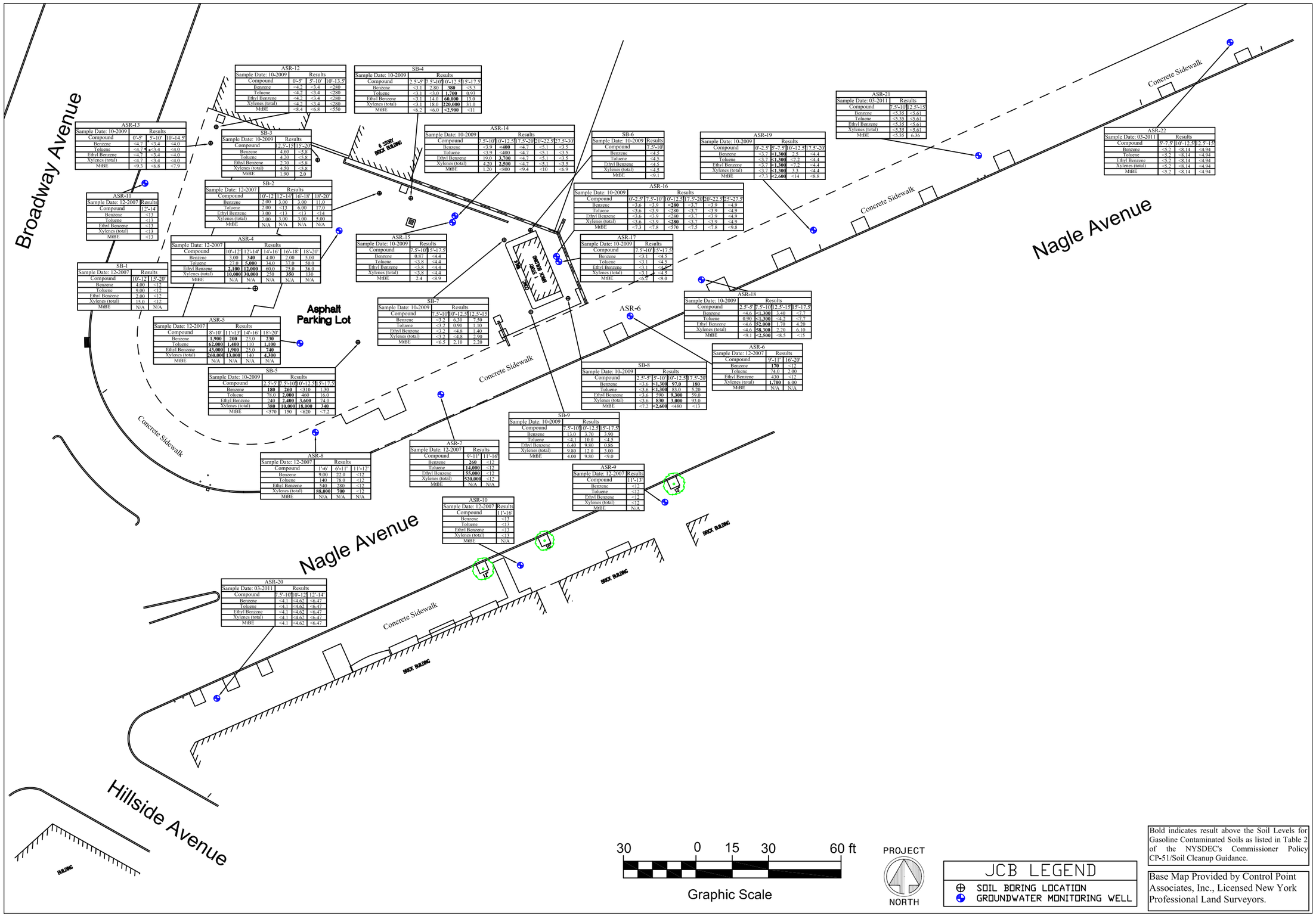
Groundwater Gradient Map

Scale	Project No.	Date
As Noted	11-21522	11-18-11

Drawn By	Checked By	Page No.
J.V.N.	S.W.M.	4 of 22

Drawing No.

4



ASR-13

Sample Date: 10-2009	Results		
Compound	0'-5'	5'-10'	10'-14.5'
Benzene	<4.7	<3.4	<4.0
Toluene	<4.7	●<3.4	<4.0
Ethyl Benzene	<4.7	<3.4	<4.0
Xylenes (total)	<4.7	<3.4	<4.0
MtBE	<9.3	<6.8	<7.9

ASR-11

Sample Date: 12-2007	Results
Compound	12'-14'
Benzene	<13
Toluene	<13
Ethyl Benzene	<13
Xylenes (total)	<13
MtBE	<13

SB-1

Sample Date: 12-2007	Results	
Compound	10'-12'	15'-20'
Benzene	4.00	<12
Toluene	9.00	<12
Ethyl Benzene	2.00	<12
Xylenes (total)	15.0	<12
MtBE	N/A	N/A

ASR-12

Sample Date: 10-2009	Results		
Compound	0'-5'	5'-10'	10'-13.5'
Benzene	<4.2	<3.4	<280
Toluene	<4.2	<3.4	<280
Ethyl Benzene	<4.2	<3.4	<280
Xylenes (total)	<4.2	<3.4	<280
MtBE	<8.4	<6.8	<550

SB-3

Sample Date: 10-2009	Results	
Compound	12.5'-15'	15'-20'
Benzene	4.60	<5.8
Toluene	4.20	<5.8
Ethyl Benzene	2.70	<5.8
Xylenes (total)	4.50	<5.8
MtBE	1.90	2.0

SB-2

Sample Date: 12-2007	Results			
Compound	10'-12'	12'-14'	16'-18'	18'-20'
Benzene	2.00	3.00	3.00	11.0
Toluene	2.00	<13	6.00	17.0
Ethyl Benzene	3.00	<13	<13	<14
Xylenes (total)	7.00	3.00	3.00	5.00
MtBE	N/A	N/A	N/A	N/A

ASR-4

Sample Date: 12-2007	Results				
Compound	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'
Benzene	3.00	**340**	4.00	3.00	5.00
Toluene	27.0	**5,000**	34.0	37.0	50.0
Ethyl Benzene	**2,100**	**12,000**	60.0	75.0	36.0
Xylenes (total)	**10,000**	**30,000**	250	**350**	130
MtBE	N/A	N/A	N/A	N/A	N/A

ASR-5

Sample Date: 12-2007	Results			
Compound	8'-10'	11'-13'	14'-16'	18'-20'
Benzene	**1,900**	**200**	23.0	**230**
Toluene	**62,000**	**1,400**	110	**1,100**
Ethyl Benzene	**43,000**	**1,900**	25.0	**740**
Xylenes (total)	**260,000**	**13,000**	140	**4,300**
MtBE	N/A	N/A	N/A	N/A

SB-5

Sample Date: 10-2009	Results			
Compound	2.5'-5'	7.5'-10'	10'-12.5'	15'-17.5'
Benzene	**180**	**260**	<310	1.30
Toluene	78.0	**2,000**	460	16.0
Ethyl Benzene	240	**2,400**	**3,600**	74.0
Xylenes (total)	**380**	**10,000**	**18,000**	**340**
MtBE	<570	150	<620	<7.2

ASR-8

Sample Date: 12-2007	Results		
Compound	1'-6'	6'-11'	11'-12'
Benzene	9.00	22.0	<12
Toluene	140	78.0	<12
Ethyl Benzene	540	280	<12
Xylenes (total)	**88,000**	**700**	<12
MtBE	N/A	N/A	N/A

ASR-20

Sample Date: 03-2011	Results		
Compound	7.5'-10'	10'-12'	12'-14'
Benzene	<4.1	<4.62	<6.47
Toluene	<4.1	<4.62	<6.47
Ethyl Benzene	<4.1	<4.62	<6.47
Xylenes (total)	<4.1	<4.62	<6.47
MtBE	<4.1	<4.62	<6.47

SB-4

Sample Date: 10-2009	Results			
Compound	2.5'-5'	7.5'-10'	10'-12.5'	15'-17.5'
Benzene	<3.1	2.80	**380**	<5.3
Toluene	<3.1	<3.0	**1,700**	0.93
Ethyl Benzene	<3.1	14.0	**60,000**	13.0
Xylenes (total)	<3.1	18.0	**220,000**	31.0
MtBE	<6.2	<6.0	**<2,900**	<11

ASR-14

Sample Date: 10-2009	Results				
Compound	7.5'-10'	10'-12.5'	17.5'-20'	20'-22.5'	27.5'-30'
Benzene	<3.9	**<400**	<4.7	<5.1	<3.5
Toluene	<3.9	<400	<4.7	<5.1	<3.5
Ethyl Benzene	19.0	**3,700**	<4.7	<5.1	<3.5
Xylenes (total)	4.20	**2,500**	<4.7	<5.1	<3.5
MtBE	1.20	<800	<9.4	<10	<6.9

ASR-15

Sample Date: 10-2009	Results	
Compound	7.5'-10'	15'-17.5'
Benzene	0.87	<4.4
Toluene	<3.8	<4.4
Ethyl Benzene	<3.8	<4.4
Xylenes (total)	<3.8	<4.4
MtBE	2.4	<8.9

SB-7

Sample Date: 10-2009	Results		
Compound	7.5'-10'	10'-12.5'	12.5'-15'
Benzene	<3.2	6.30	7.50
Toluene	<3.2	0.90	1.10
Ethyl Benzene	<3.2	<4.8	1.40
Xylenes (total)	<3.2	<4.8	2.90
MtBE	<6.5	2.10	2.20

ASR-7

Sample Date: 12-2007	Results	
Compound	9'-11'	11'-16'
Benzene	**260**	<12
Toluene	**14,000**	<12
Ethyl Benzene	**55,000**	<12
Xylenes (total)	**520,000**	<12
MtBE	N/A	N/A

ASR-10

Sample Date: 12-2007	Results
Compound	11'-16'
Benzene	<13
Toluene	<13
Ethyl Benzene	<13
Xylenes (total)	<13
MtBE	N/A

SB-6

Sample Date: 10-2009	Results
Compound	7.5'-10'
Benzene	<4.5
Toluene	<4.5
Ethyl Benzene	<4.5
Xylenes (total)	<4.5
MtBE	<9.1

ASR-16

Sample Date: 10-2009	Results					
Compound	0'-2.5'	7.5'-10'	10'-12.5'	17.5'-20'	20'-22.5'	25'-27.5'
Benzene	<3.6	<3.9	**<280**	<3.7	<3.9	<4.9
Toluene	<3.6	<3.9	<280	<3.7	<3.9	<4.9
Ethyl Benzene	<3.6	<3.9	<280	<3.7	<3.9	<4.9
Xylenes (total)	<3.6	<3.9	**<280**	<3.7	<3.9	<4.9
MtBE	<7.3	<7.8	<570	<7.5	<7.8	<9.8

ASR-17

Sample Date: 10-2009	Results	
Compound	7.5'-10'	15'-17.5'
Benzene	<3.1	<4.5
Toluene	<3.1	<4.5
Ethyl Benzene	<3.1	<4.5
Xylenes (total)	<3.1	<4.5
MtBE	<6.2	<9.0

SB-8

Sample Date: 10-2009	Results			
Compound	2.5'-5'	5'-10'	10'-12.5'	17.5'-20'
Benzene	<3.6	**<1,300**	**97.0**	**180**
Toluene	<3.6	**<1,300**	83.0	5.20
Ethyl Benzene	<3.6	590	**9,300**	59.0
Xylenes (total)	<3.6	**830**	**3,000**	93.0
MtBE	<7.2	**<2,600**	<480	<13

SB-9

Sample Date: 10-2009	Results		
Compound	7.5'-10'	10'-12.5'	15'-17.5'
Benzene	13.0	3.70	3.90
Toluene	<4.1	10.0	<4.5
Ethyl Benzene	6.40	9.80	0.86
Xylenes (total)	9.80	12.0	3.00
MtBE	4.00	9.80	<9.0

ASR-9

Sample Date: 12-2007	Results
Compound	11'-13'
Benzene	<12
Toluene	<12
Ethyl Benzene	<12
Xylenes (total)	<12
MtBE	N/A

ASR-19

Sample Date: 10-2009	Results			
Compound	0'-2.5'	5'-7.5'	10'-12.5'	17.5'-20'
Benzene	<3.7	**<1,300**	2.5	<4.4
Toluene	<3.7	**<1,300**	<7.2	<4.4
Ethyl Benzene	<3.7	**<1,300**	<7.2	<4.4
Xylenes (total)	<3.7	**<1,300**	3.3	<4.4
MtBE	<7.3	**<2,600**	<14	<8.8

ASR-18

Sample Date: 10-2009	Results			
Compound	2.5'-5'	7.5'-10'	12.5'-15'	15'-17.5'
Benzene	<4.6	**<1,300**	1.40	<7.7
Toluene	0.90	**<1,300**	<4.2	<7.7
Ethyl Benzene	<4.6	**52,000**	1.70	4.20
Xylenes (total)	<4.6	**58,300**	2.20	6.10
MtBE	<9.1	**<2,500**	<8.5	<15

ASR-6

Sample Date: 12-2007	Results		
Compound	9'-11'	16'-20'	
Benzene	**170**	<12	
Toluene	74.0	2.00	
Ethyl Benzene	430	<12	
Xylenes (total)	**1,700**	6.00	
MtBE	N/A	N/A	

ASR-21

Sample Date: 03-2011	Results	
Compound	7.5'-10'	12.5'-15'
Benzene	<5.35	<5.61
Toluene	<5.35	<5.61
Ethyl Benzene	<5.35	<5.61
Xylenes (total)	<5.35	<5.61
MtBE	<5.35	6.36

ASR-22

Sample Date: 03-2011	Results		
Compound	5'-7.5'	10'-12.5'	12.5'-15'
Benzene	<5.2	<8.14	<4.94
Toluene	<5.2	<8.14	<4.94
Ethyl Benzene	<5.2	<8.14	<4.94
Xylenes (total)	<5.2	<8.14	<4.94
MtBE	<5.2	<8.14	<4.94

Graphic Scale: 30 0 15 30 60 ft

PROJECT NORTH

JCB LEGEND
- ⊕ SOIL BORING LOCATION
- ⊕ GROUNDWATER MONITORING WELL

Bold indicates result above the Soil Levels for Gasoline Contaminated Soils as listed in Table 2 of the NYSDEC's Commissioner Policy CP-51/Soil Cleanup Guidance.

Base Map Provided by Control Point Associates, Inc., Licensed New York Professional Land Surveyors.

J.C. BRODERICK & Associates
Environmental Consulting and Testing
1775 Express Drive North
Hauppauge, New York 11788
Phone: (631).584.5492
Fax: (631).584.3395

Notes:

4566 Broadway LLC.
4566 Broadway Avenue
New York, NY 10040

BCP# C231054

Drawing Title

Figure No. 5

Soil Analytical Results Map (µg/kg)

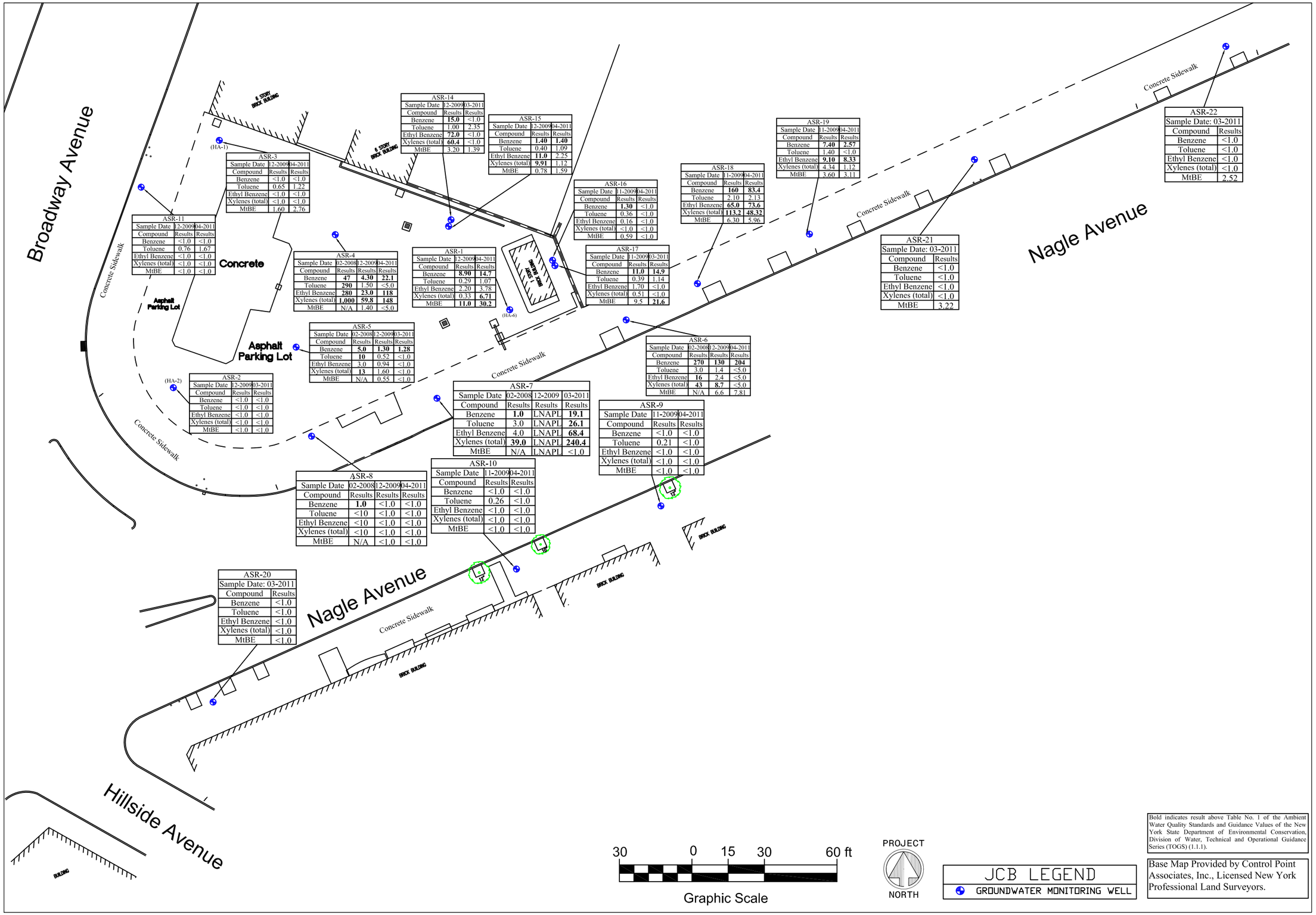
BTEX and MtBE

Scale	Project No.	Date
As Noted	11-21522	11-18-11

Drawn By	Checked By	Page No.
J.V.N.	S.W.M.	5 of 22

Drawing No.

5



JCB LEGEND

GROUNDWATER MONITORING WELL

Bold indicates result above Table No. 1 of the Ambient Water Quality Standards and Guidance Values of the New York State Department of Environmental Conservation, Division of Water, Technical and Operational Guidance Series (TOGS) (1.1.1).

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Drawing Title

Figure No. 6

Groundwater Analytical Results Map (µg/L)

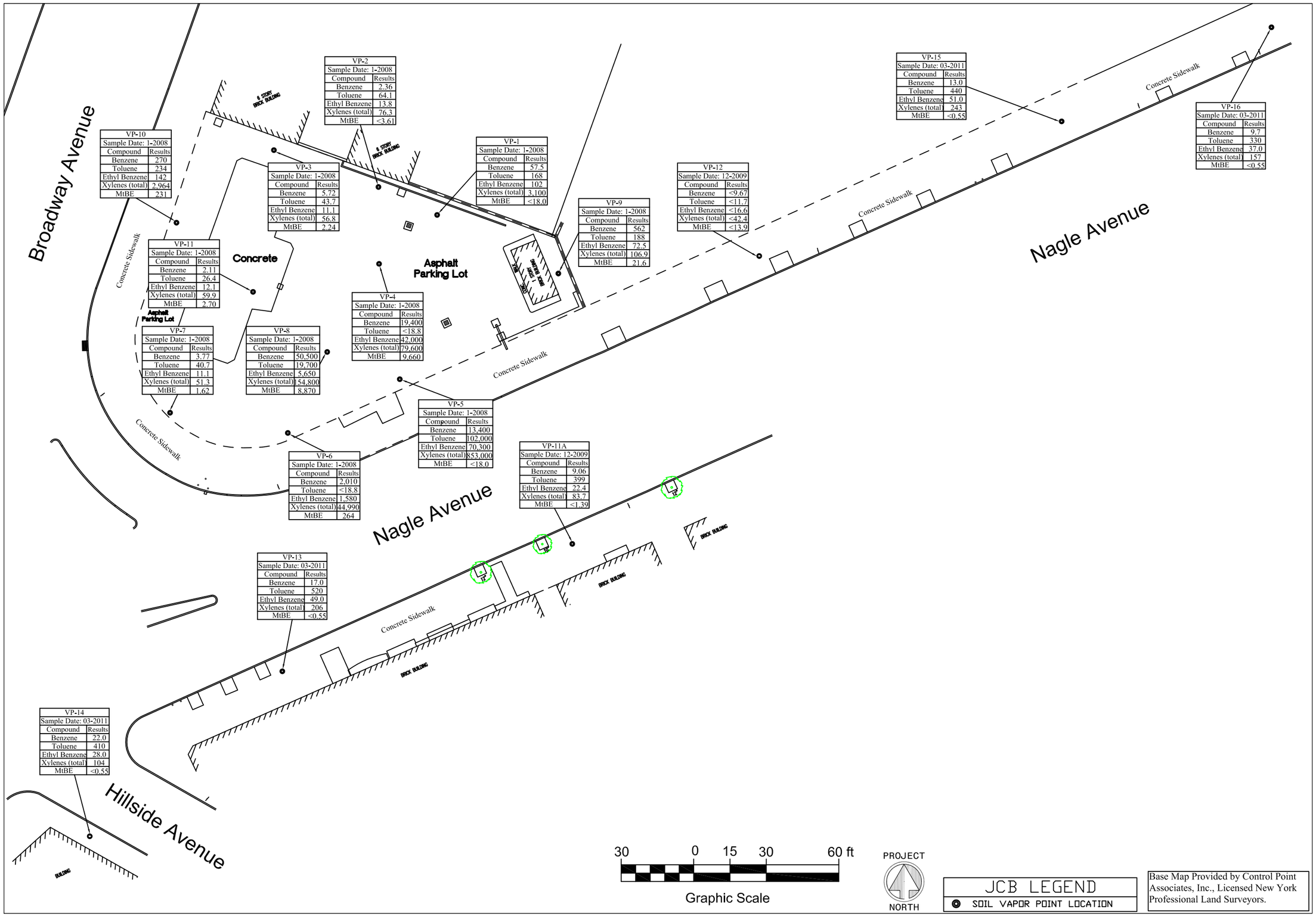
BTEX and MtBE

Scale	Project No.	Date
As Noted	11-21522	11-18-11

Drawn By	Checked By	Page No.
J.V.N.	S.W.M.	6 of 22

Drawing No.

6



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BCP# C231054

Drawing Title

Figure No. 7

Soil Vapor Analytical Results Map ($\mu g/m^3$)

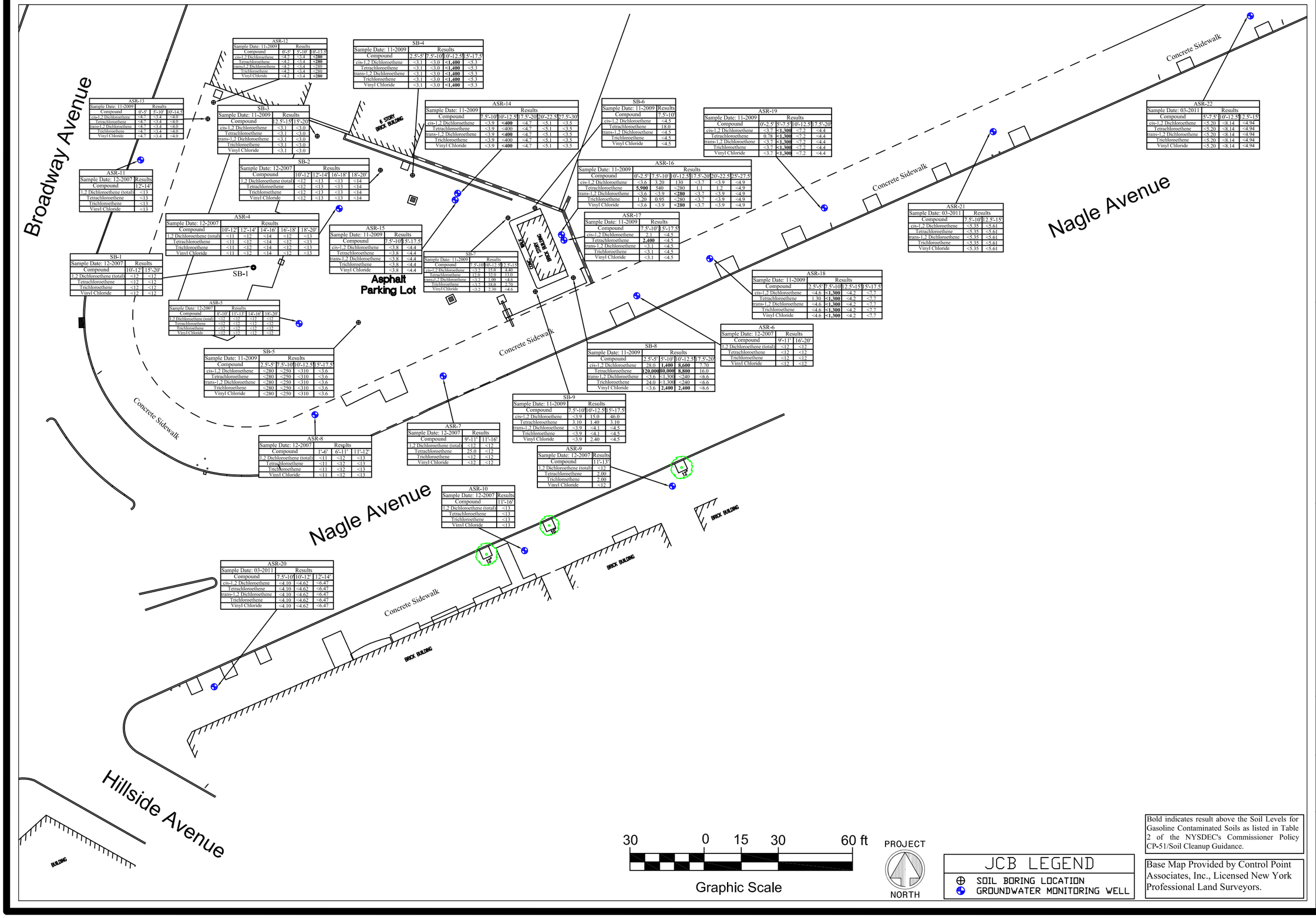
BTEX and MtBE

Scale	Project No.	Date
As Noted	11-21522	11-18-11

Drawn By	Checked By	Page No.
J.V.N.	S.W.M.	7 of 22

Drawing No.

7



SB-1			
Sample Date: 12-2007	Results		
Compound	10'-12'	15'-20'	
1,2 Dichloroethene (total)	<12	<12	
Tetrachloroethene	<12	<12	
Trichloroethene	<12	<12	
Vinyl Chloride	<12	<12	

SB-2				
Sample Date: 12-2007	Results			
Compound	10'-12'	12'-14'	16'-18'	18'-20'
1,2 Dichloroethene (total)	<12	<13	<13	<14
Tetrachloroethene	<12	<13	<13	<14
Trichloroethene	<12	<13	<13	<14
Vinyl Chloride	<12	<13	<13	<14

SB-3		
Sample Date: 11-2009	Results	
Compound	2.5'-15'	15'-20'
cis-1,2 Dichloroethene	<3.1	<3.0
Tetrachloroethene	<3.1	<3.0
trans-1,2 Dichloroethene	<3.1	<3.0
Trichloroethene	<3.1	<3.0
Vinyl Chloride	<3.1	<3.0

SB-4				
Sample Date: 11-2009	Results			
Compound	2.5'-5'	7.5'-10'	10'-12.5'	15'-17.5'
cis-1,2 Dichloroethene	<3.1	<3.0	**<1,400**	<5.3
Tetrachloroethene	<3.1	<3.0	**<1,400**	<5.3
trans-1,2 Dichloroethene	<3.1	<3.0	**<1,400**	<5.3
Trichloroethene	<3.1	<3.0	**<1,400**	<5.3
Vinyl Chloride	<3.1	<3.0	**<1,400**	<5.3

SB-5				
Sample Date: 11-2009	Results			
Compound	2.5'-5'	7.5'-10'	10'-12.5'	15'-17.5'
cis-1,2 Dichloroethene	<280	<250	<310	<3.6
Tetrachloroethene	<280	<250	<310	<3.6
trans-1,2 Dichloroethene	<280	<250	<310	<3.6
Trichloroethene	<280	<250	<310	<3.6
Vinyl Chloride	<280	<250	<310	<3.6

SB-6	
Sample Date: 11-2009	Results
Compound	7.5'-10'
cis-1,2 Dichloroethene	4.5
Tetrachloroethene	18.0
trans-1,2 Dichloroethene	<4.5
Trichloroethene	<4.5
Vinyl Chloride	<4.5

SB-7			
Sample Date: 11-2009	Results		
Compound	7.5'-10'	10'-12.5'	12.5'-15'
cis-1,2 Dichloroethene	<3.1	15.0	4.40
Tetrachloroethene	12.0	32.0	13.0
trans-1,2 Dichloroethene	<3.1	1.00	<4.6
Trichloroethene	<3.2	18.0	2.70
Vinyl Chloride	<3.2	2.30	<4.6

SB-8				
Sample Date: 11-2009	Results			
Compound	2.5'-5'	5'-10'	10'-12.5'	17.5'-20'
cis-1,2 Dichloroethene	28.0	**1,400**	**8,600**	7.70
Tetrachloroethene	**120,000**	**80,000**	**8,800**	16.0
trans-1,2 Dichloroethene	<3.6	<1,300	<240	<6.6
Trichloroethene	24.0	<1,300	<240	<6.6
Vinyl Chloride	<3.6	**2,400**	**2,400**	<6.6

SB-9				
Sample Date: 11-2009	Results			
Compound	7.5'-10'	10'-12.5'	15'-17.5'	
cis-1,2 Dichloroethene	<3.9	15.0	46.0	
Tetrachloroethene	3.10	1.40	3.10	
trans-1,2 Dichloroethene	<3.9	<4.1	<4.5	
Trichloroethene	<3.9	<4.1	<4.5	
Vinyl Chloride	<3.9	2.40	<4.5	

ASR-1		
Sample Date: 12-2007	Results	
Compound	10'-12'	15'-20'
1,2 Dichloroethene (total)	<12	<12
Tetrachloroethene	<12	<12
Trichloroethene	<12	<12
Vinyl Chloride	<12	<12

ASR-2				
Sample Date: 11-2009	Results			
Compound	0'-5'	5'-10'	10'-11.5'	
cis-1,2 Dichloroethene	<4.2	<3.4	**<280**	
Tetrachloroethene	<4.2	<3.4	**<280**	
trans-1,2 Dichloroethene	<4.2	<3.4	<280	
Trichloroethene	<4.2	<3.4	<280	
Vinyl Chloride	<4.2	<3.4	**<280**	

ASR-3				
Sample Date: 12-2007	Results			
Compound	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'
1,2 Dichloroethene (total)	<11	<12	<14	<12	<13
Tetrachloroethene	<11	<12	<14	<12	<13
Trichloroethene	<11	<12	<14	<12	<13
Vinyl Chloride	<11	<12	<14	<12	<13

ASR-4					
Sample Date: 12-2007	Results				
Compound	8'-10'	11'-13'	14'-16'	18'-20'	
1,2 Dichloroethene (total)	<12	<12	<12	<12	
Tetrachloroethene	<12	<12	<12	<12	
Trichloroethene	<12	<12	<12	<12	
Vinyl Chloride	<12	<12	<12	<12	

ASR-5				
Sample Date: 12-2007	Results			
Compound	8'-10'	11'-13'	14'-16'	18'-20'
1,2 Dichloroethene (total)	<12	<12	<12	<12
Tetrachloroethene	<12	<12	<12	<12
Trichloroethene	<12	<12	<12	<12
Vinyl Chloride	<12	<12	<12	<12

ASR-6		
Sample Date: 12-2007	Results	
Compound	9'-11'	16'-20'
1,2 Dichloroethene (total)	<12	<12
Tetrachloroethene	<12	<12
Trichloroethene	<12	<12
Vinyl Chloride	<12	<12

ASR-7		
Sample Date: 12-2007	Results	
Compound	9'-11'	11'-16'
1,2 Dichloroethene (total)	<12	<12
Tetrachloroethene	25.0	<12
Trichloroethene	<12	<12
Vinyl Chloride	<12	<12

ASR-8			
Sample Date: 12-2007	Results		
Compound	1'-6'	6'-11'	11'-12'
1,2 Dichloroethene (total)	<11	<12	<13
Tetrachloroethene	<11	<12	<13
Trichloroethene	<11	<12	<13
Vinyl Chloride	<11	<12	<13

ASR-9		
Sample Date: 12-2007	Results	
Compound	11'-13'	
1,2 Dichloroethene (total)	<12	
Tetrachloroethene	2.00	
Trichloroethene	2.00	
Vinyl Chloride	<12	

ASR-10	
Sample Date: 12-2007	Results
Compound	11'-16'
1,2 Dichloroethene (total)	<13
Tetrachloroethene	<13
Trichloroethene	<13
Vinyl Chloride	<13

ASR-11	
Sample Date: 12-2007	Results
Compound	12'-14'
1,2 Dichloroethene (total)	<13
Tetrachloroethene	<13
Trichloroethene	<13
Vinyl Chloride	<13

ASR-12				
Sample Date: 11-2009	Results			
Compound	0'-5'	5'-10'	10'-11.5'	
cis-1,2 Dichloroethene	<4.2	<3.4	**<280**	
Tetrachloroethene	<4.2	<3.4	**<280**	
trans-1,2 Dichloroethene	<4.2	<3.4	<280	
Trichloroethene	<4.2	<3.4	<280	
Vinyl Chloride	<4.2	<3.4	**<280**	

ASR-13			
Sample Date: 11-2009	Results		
Compound	0'-5'	5'-10'	10'-14.5'
cis-1,2 Dichloroethene	<4.7	<3.4	<4.0
Tetrachloroethene	<4.7	<3.4	<4.0
trans-1,2 Dichloroethene	<4.7	<3.4	<4.0
Trichloroethene	<4.7	<3.4	<4.0
Vinyl Chloride	<4.7	<3.4	<4.0

ASR-14						
Sample Date: 11-2009	Results					
Compound	7.5'-10'	10'-12.5'	17.5'-20'	20'-22.5'	27.5'-30'	
cis-1,2 Dichloroethene	<3.9	**<400**	<4.7	<5.1	<3.5	
Tetrachloroethene	<3.9	<400	<4.7	<5.1	<3.5	
trans-1,2 Dichloroethene	<3.9	**<400**	<4.7	<5.1	<3.5	
Trichloroethene	<3.9	<400	<4.7	<5.1	<3.5	
Vinyl Chloride	<3.9	**<400**	<4.7	<5.1	<3.5	

ASR-15		
Sample Date: 11-2009	Results	
Compound	7.5'-10'	15'-17.5'
cis-1,2 Dichloroethene	<3.8	<4.4
Tetrachloroethene	<3.8	<4.4
trans-1,2 Dichloroethene	<3.8	<4.4
Trichloroethene	<3.8	<4.4
Vinyl Chloride	<3.8	<4.4

ASR-16						
Sample Date: 11-2009	Results					
Compound	0'-2.5'	7.5'-10'	10'-12.5'	17.5'-20'	20'-22.5'	25'-27.5
cis-1,2 Dichloroethene	<3.6	3.20	130	<3.7	<3.9	<4.9
Tetrachloroethene	**5,900**	540	<290	1.1	1.2	<4.9
trans-1,2 Dichloroethene	<3.6	<3.9	**<280**	<3.7	<3.9	<4.9
Trichloroethene	1.20	0.95	<280	<3.7	<3.9	<4.9
Vinyl Chloride	<3.6	<3.9	**<280**	<3.7	<3.9	<4.9

ASR-17		
Sample Date: 11-2009	Results	
Compound	7.5'-10'	15'-17.5
cis-1,2 Dichloroethene	2.1	<4.5
Tetrachloroethene	**2,400**	<4.5
trans-1,2 Dichloroethene	<3.1	<4.5
Trichloroethene	<3.1	<4.5
Vinyl Chloride	<3.1	<4.5

ASR-18					
Sample Date: 11-2009	Results				
Compound	2.5'-5'	7.5'-10'	12.5'-15'	15'-17.5	
cis-1,2 Dichloroethene	<4.6	**<1,300**	<4.2	<7.7	
Tetrachloroethene	1.30	**<1,300**	<4.2	<7.7	
trans-1,2 Dichloroethene	<4.6	**<1,300**	<4.2	<7.7	
Trichloroethene	<4.6	**<1,300**	<4.2	<7.7	
Vinyl Chloride	<4.6	**<1,300**	<4.2	<7.7	

ASR-19					
Sample Date: 11-2009	Results				
Compound	0'-2.5'	5'-7.5'	10'-12.5'	17.5'-20'	
cis-1,2 Dichloroethene	<3.7	**<1,300**	<7.2	<4.4	
Tetrachloroethene	0.78	**<1,300**	<7.2	<4.4	
trans-1,2 Dichloroethene	<3.7	**<1,300**	<7.2	<4.4	
Trichloroethene	<3.7	**<1,300**	<7.2	<4.4	
Vinyl Chloride	<3.7	**<1,300**	<7.2	<4.4	

ASR-20			
Sample Date: 03-2011	Results		
Compound	7.5'-10'	10'-12'	12'-14'
cis-1,2 Dichloroethene	<4.10	<4.62	<6.47
Tetrachloroethene	<4.10	<4.62	<6.47
trans-1,2 Dichloroethene	<4.10	<4.62	<6.47
Trichloroethene	<4.10	<4.62	<6.47
Vinyl Chloride	<4.10	<4.62	<6.47

ASR-21		
Sample Date: 03-2011	Results	
Compound	7.5'-10'	12.5'-15'
cis-1,2 Dichloroethene	<5.35	<5.61
Tetrachloroethene	<5.35	<5.61
trans-1,2 Dichloroethene	<5.35	<5.61
Trichloroethene	<5.35	<5.61
Vinyl Chloride	<5.35	<5.61

ASR-22			
Sample Date: 03-2011	Results		
Compound	5'-7.5'	10'-12.5'	12.5'-15'
cis-1,2 Dichloroethene	<5.20	<8.14	<4.94
Tetrachloroethene	<5.20	<8.14	<4.94
trans-1,2 Dichloroethene	<5.20	<8.14	<4.94
Trichloroethene	<5.20	<8.14	<4.94
Vinyl Chloride	<5.20	<8.14	<4.94

30 0 15 30 60 ft

Graphic Scale

PROJECT NORTH

JCB LEGEND

- SOIL BORING LOCATION
- GROUNDWATER MONITORING WELL

Bold indicates result above the Soil Levels for Gasoline Contaminated Soils as listed in Table 2 of the NYSDEC's Commissioner Policy CP-51/Soil Cleanup Guidance.

Base Map Provided by Control Point Associates, Inc., Licensed New York Professional Land Surveyors.

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Notes:

4566 Broadway LLC.
4566 Broadway Avenue
New York, NY 10040

BCP# C231054

Drawing Title

Figure No. 8

Soil Analytical Results Map (µg/kg)

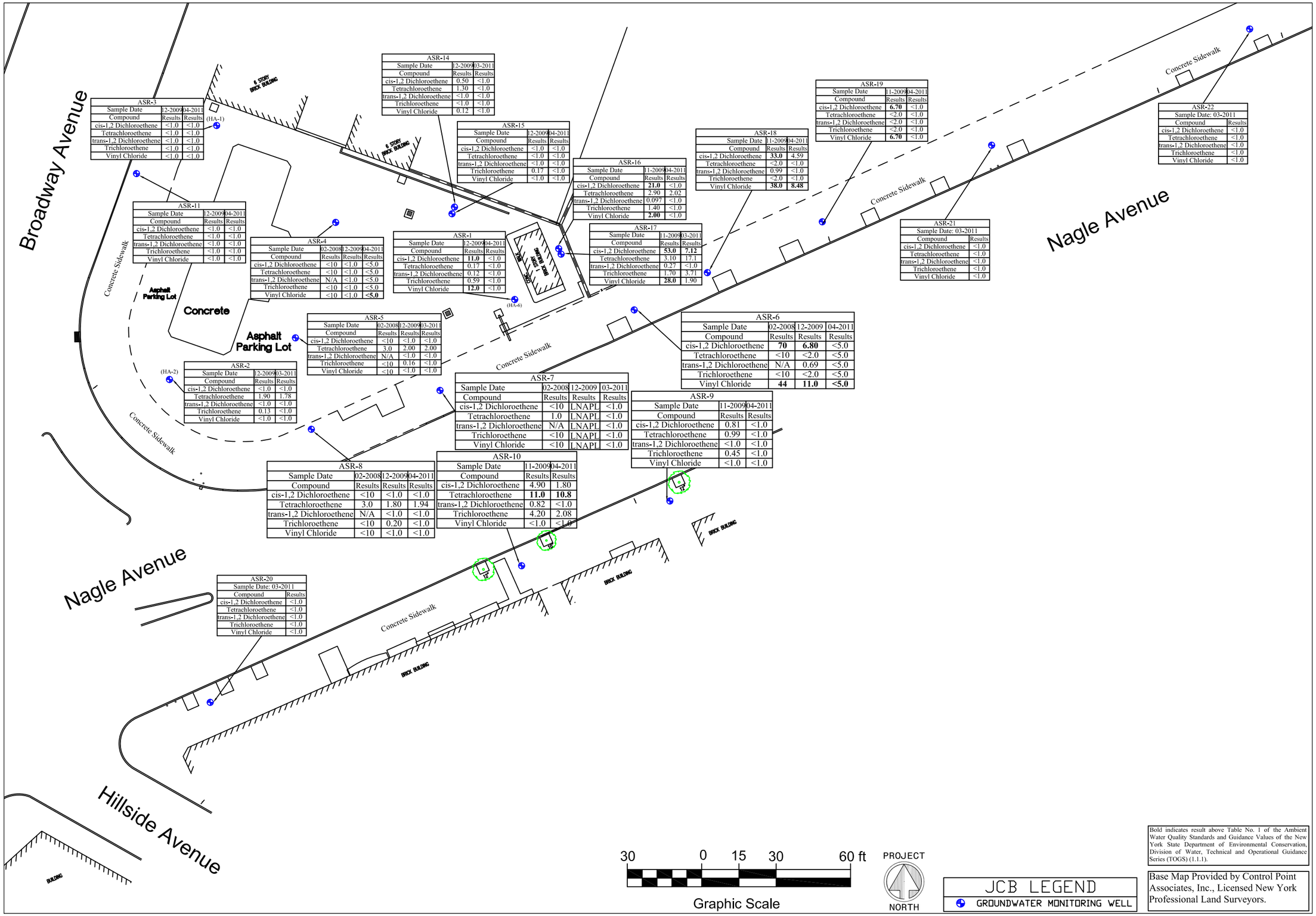
Target Chlorinated Solvents

Scale	Project No.	Date
As Noted	11-21522	11-18-11

Drawn By	Checked By	Page No.
J.V.N.	S.W.M.	8 of 22

Drawing No.

8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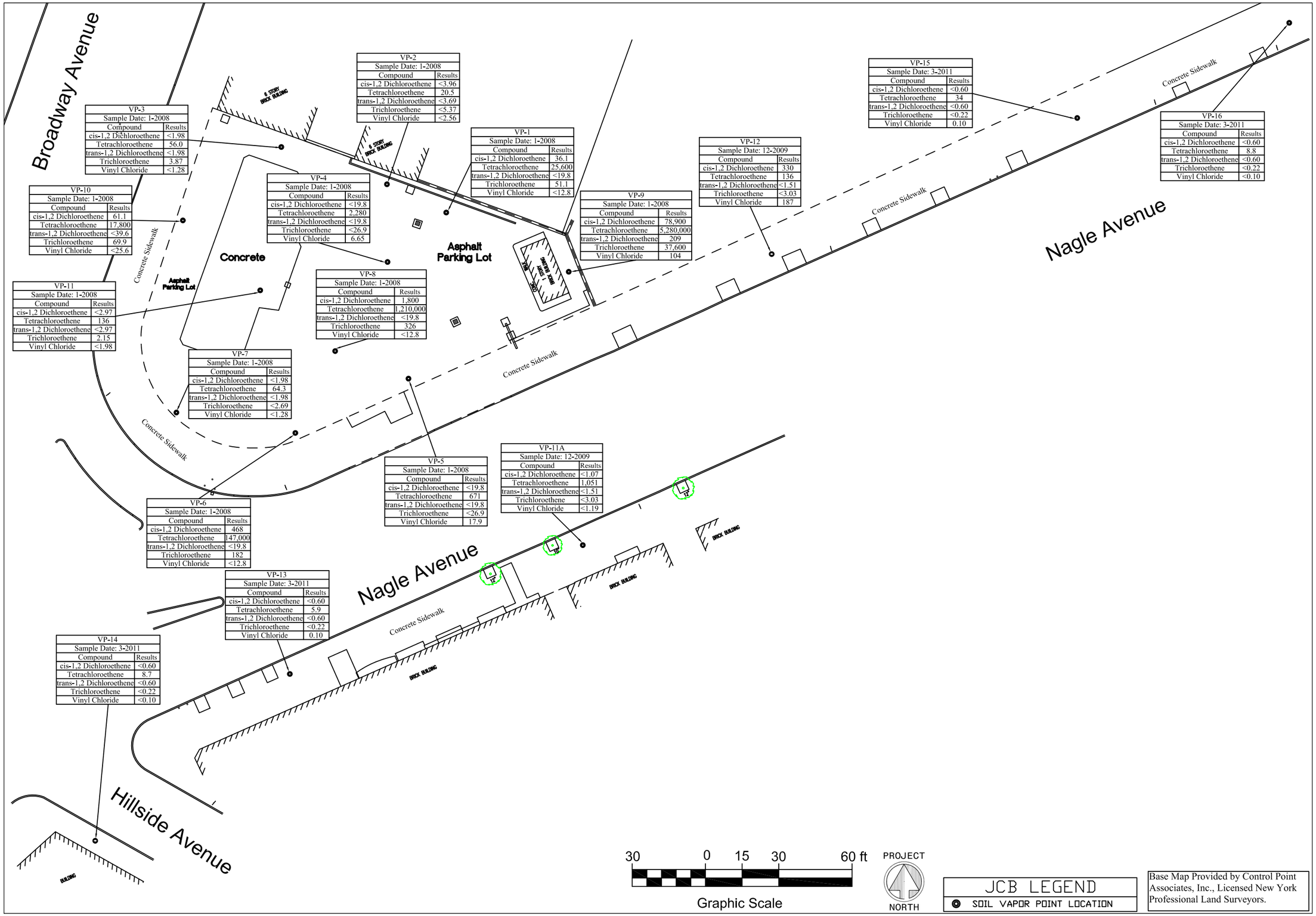
Nagle Avenue
Hillside Avenue
Concrete Sidewalk
Asphalt Parking Lot
Concrete
Asphalt Parking Lot
6 STORY BRICK BUILDING
6 STORY BRICK BUILDING
SHAFT
SHAFT
SHAFT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Nagle Avenue
Nagle Avenue
Hillside Avenue
Concrete Sidewalk
Concrete Sidewalk
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Asphalt Parking Lot
Asphalt Parking Lot
Concrete
6 STORY BRICK BUILDING
6 STORY BRICK BUILDING
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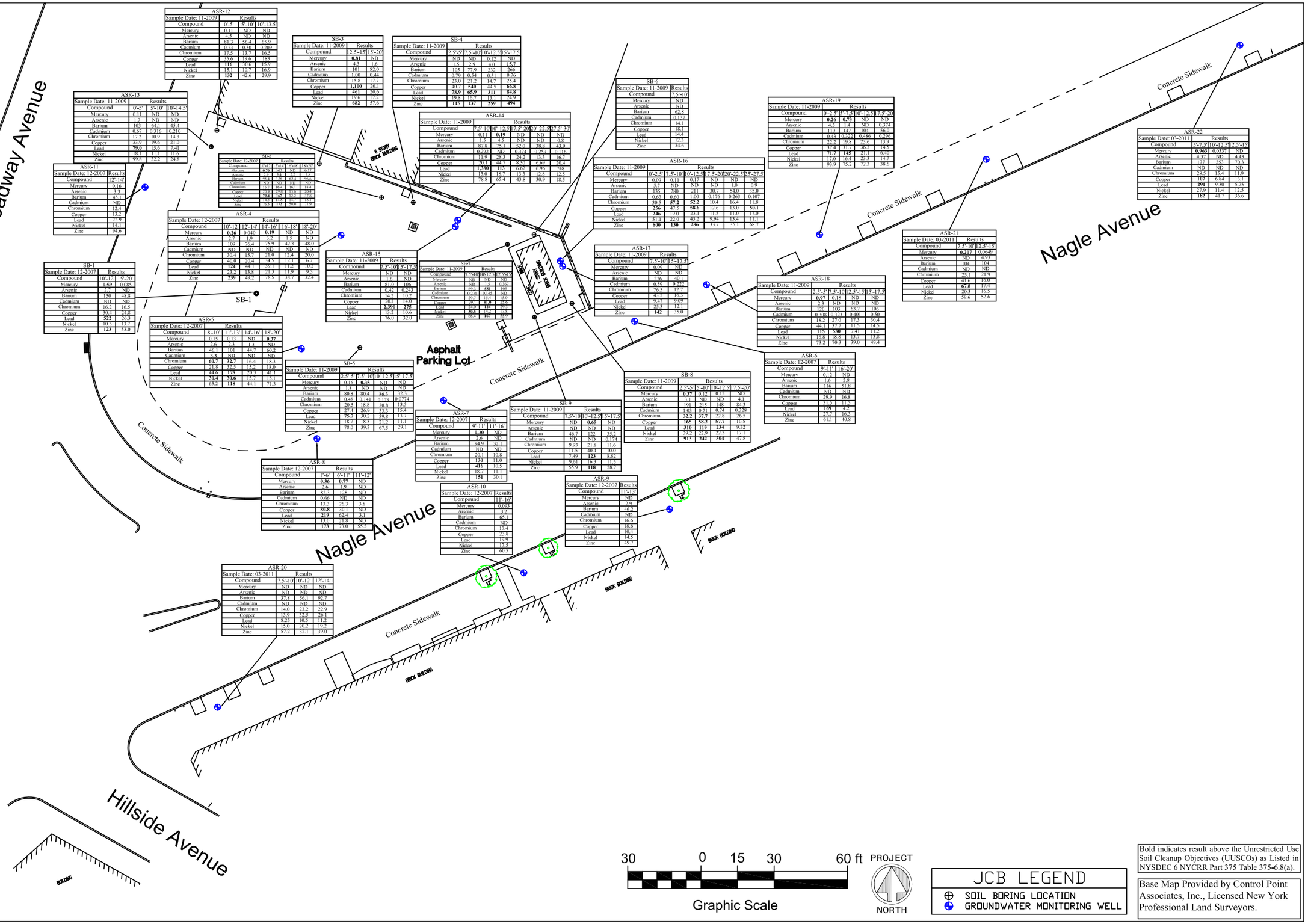

SB-1

Sample Date: 12-2007	Results
Compound	10'-12' / 15'-20'
Mercury	**0.59** / 0.085
Arsenic	2.7 / ND
Barium	150 / 48.8
Cadmium	ND / ND
Chromium	16.2 / 16.5
Copper	30.4 / 24.8
Lead	**522** / 26.3
Nickel	10.3 / 13.7
Zinc	**123** / 53.0

SB-2

Sample Date: 12-2007	Results			
Compound	10'-11'	11'-14'	16'-17'	18'-20'
Mercury	**0.70**	ND	ND	0.13
Arsenic	3.3	3.2	3.2	3.4
Barium	65.5	138	62.4	96.6
Cadmium	ND	ND	ND	ND
Chromium	16.5	16.4	16.1	18.6
Copper	28.4	**105**	15.9	37.4
Lead	16.5	147	12.2	16.3
Zinc	70.5	172	60.0	74.3

SB-3

Sample Date: 11-2009	Results	
Compound	12.5'-15'	15'-20'
Mercury	**0.81**	ND
Arsenic	4.3	1.6
Barium	101	82.0
Cadmium	1.00	0.44
Chromium	15.8	17.7
Copper	**1,100**	20.1
Lead	**461**	20.6
Nickel	19.6	17.2
Zinc	**682**	57.6

SB-4

Sample Date: 11-2009	Results				
Compound	2.5'-5'	7.5'-10'	10'-12.5'	15'-17.5'	
Mercury	ND	ND	0.12	ND	
Arsenic	1.5	2.9	4.0	**15.7**	
Barium	105	77.9	232	266	
Cadmium	0.79	0.54	0.51	0.76	
Chromium	23.0	21.2	14.7	25.4	
Copper	40.7	**540**	44.5	**66.8**	
Lead	**78.9**	**65.9**	**311**	**84.8**	
Nickel	19.8	16.7	13.1	24.9	
Zinc	**115**	**137**	**259**	**494**	

SB-5

Sample Date: 11-2009	Results			
Compound	2.5'-5'	5'-10'	10'-12.5'	15'-17.5'
Mercury	0.16	**0.35**	ND	ND
Arsenic	1.8	ND	ND	ND
Barium	80.8	80.4	86.3	32.3
Cadmium	0.48	0.141	0.129	0.0774
Chromium	20.5	18.8	30.8	13.5
Copper	27.4	26.9	33.3	15.4
Lead	**75.7**	30.2	39.8	13.7
Nickel	18.7	18.3	21.2	11.1
Zinc	78.0	39.3	67.5	29.1

SB-6

Sample Date: 11-2009	Results
Compound	7.5'-10'
Mercury	ND
Arsenic	ND
Barium	62.8
Cadmium	0.137
Chromium	14.1
Copper	18.1
Lead	14.4
Nickel	12.5
Zinc	34.6

SB-7

Sample Date: 11-2009	Results		
Compound	2.5'-10'	10'-12.5'	12.5'-15'
Mercury	ND	ND	ND
Arsenic	ND	1.4	0.90
Barium	66.1	**161**	73.6
Cadmium	0.231	0.145	ND
Chromium	29.7	15.4	15.0
Copper	29.1	**81.0**	25.6
Lead	24.0	**124**	29.2
Nickel	**89.5**	16.2	17.8
Zinc	66.4	**167**	55.9

SB-8

Sample Date: 11-2009	Results			
Compound	2.5'-5'	5'-10'	10'-12.5'	17.5'-20'
Mercury	**0.37**	0.12	0.15	ND
Arsenic	3.1	ND	ND	4.1
Barium	191	215	148	84.3
Cadmium	1.03	0.71	0.74	0.328
Chromium	**32.2**	**37.7**	22.5	26.5
Copper	**165**	**58.2**	**57.7**	10.5
Lead	**310**	**119**	**234**	9.32
Nickel	39.2	22.9	22.1	17.1
Zinc	**913**	**242**	**304**	47.8

SB-9

Sample Date: 11-2009	Results		
Compound	7.5'-10'	10'-12.5'	15'-17.5'
Mercury	ND	**0.65**	ND
Arsenic	ND	ND	ND
Barium	46.7	122	35.2
Cadmium	ND	ND	0.174
Chromium	9.93	21.8	11.6
Copper	11.5	40.4	10.0
Lead	7.49	**123**	8.82
Nickel	9.61	16.3	11.5
Zinc	55.9	**118**	28.7

ASR-1

Sample Date: 12-2007	Results
Compound	12'-14'
Mercury	0.16
Arsenic	3.3
Barium	45.1
Cadmium	ND
Chromium	12.4
Copper	13.2
Lead	22.9
Nickel	14.1
Zinc	94.6

ASR-2

Sample Date: 12-2007	Results
Compound	11'-13'
Mercury	ND
Arsenic	2.9
Barium	46.2
Cadmium	ND
Chromium	16.6
Copper	18.6
Lead	10.4
Nickel	14.5
Zinc	49.7

ASR-3

Sample Date: 12-2007	Results
Compound	9'-11' / 11'-16'
Mercury	**0.30** / ND
Arsenic	2.6 / ND
Barium	94.9 / 32.1
Cadmium	ND / ND
Chromium	20.1 / 10.8
Copper	**130** / 11.0
Lead	**416** / 10.5
Nickel	18.7 / 11.1
Zinc	**151** / 30.1

ASR-4

Sample Date: 12-2007	Results				
Compound	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'
Mercury	**0.26**	0.040	**0.19**	ND	ND
Arsenic	2.7	1.9	3.2	1.5	ND
Barium	109	76.4	75.9	42.3	48.0
Cadmium	ND	ND	ND	ND	ND
Chromium	30.4	15.7	21.0	12.4	20.0
Copper	40.0	20.4	34.5	12.1	6.7
Lead	**124**	44.1	39.1	11.2	10.2
Nickel	23.2	13.8	21.3	11.9	9.5
Zinc	**239**	49.2	78.5	38.7	32.4

ASR-5

Sample Date: 12-2007	Results			
Compound	8'-10'	11'-13'	14'-16'	18'-20'
Mercury	0.15	0.13	ND	**0.37**
Arsenic	2.6	2.3	1.3	ND
Barium	46.1	101	44.7	60.2
Cadmium	**3.3**	ND	ND	ND
Chromium	**60.7**	**32.7**	16.4	18.3
Copper	**71.9**	**37.5**	15.2	18.0
Lead	44.6	**178**	20.3	41.1
Nickel	**30.4**	**30.6**	15.7	15.1
Zinc	65.2	**118**	44.1	71.3

ASR-6

Sample Date: 12-2007	Results	
Compound	9'-11'	16'-20'
Mercury	0.12	ND
Arsenic	1.6	2.8
Barium	116	51.3
Cadmium	ND	ND
Chromium	29.9	16.8
Copper	51.5	11.5
Lead	**169**	4.2
Nickel	27.7	16.3
Zinc	61.1	40.8

ASR-7

Sample Date: 12-2007	Results
Compound	9'-11' / 11'-16'
Mercury	**0.30** / ND
Arsenic	2.6 / ND
Barium	94.9 / 32.1
Cadmium	ND / ND
Chromium	20.1 / 10.8
Copper	**130** / 11.0
Lead	**416** / 10.5
Nickel	18.7 / 11.1
Zinc	**151** / 30.1

ASR-8

Sample Date: 12-2007	Results	
Compound	1'-6'	6'-11' / 11'-12'
Mercury	**0.36**	**0.77** / ND
Arsenic	2.6	1.9 / ND
Barium	82.3	128 / ND
Cadmium	0.66	ND / ND
Chromium	13.3	26.3 / 3.8
Copper	**80.8**	30.1 / ND
Lead	**219**	62.4 / 2.1
Nickel	13.0	21.8 / ND
Zinc	**173**	73.0 / 55.5

ASR-9

Sample Date: 12-2007	Results
Compound	11'-13'
Mercury	ND
Arsenic	2.9
Barium	46.2
Cadmium	ND
Chromium	16.6
Copper	18.6
Lead	10.4
Nickel	14.5
Zinc	49.7

ASR-10

Sample Date: 12-2007	Results
Compound	11'-16'
Mercury	0.093
Arsenic	3.2
Barium	65.1
Cadmium	ND
Chromium	17.4
Copper	23.8
Lead	19.9
Nickel	17.5
Zinc	60.5

ASR-11

Sample Date: 12-2007	Results
Compound	12'-14'
Mercury	0.16
Arsenic	3.3
Barium	45.1
Cadmium	ND
Chromium	12.4
Copper	13.2
Lead	22.9
Nickel	14.1
Zinc	94.6

ASR-12

Sample Date: 11-2009	Results	
Compound	0'-5'	5'-10' / 10'-13.5'
Mercury	0.11	ND / ND
Arsenic	4.5	ND / ND
Barium	81.3	56.4 / 65.9
Cadmium	0.73	0.50 / 0.209
Chromium	17.5	13.7 / 16.5
Copper	35.6	19.6 / 183
Lead	**116**	10.6 / 15.9
Nickel	15.1	10.7 / 16.9
Zinc	**132**	42.6 / 29.9

ASR-13

Sample Date: 11-2009	Results		
Compound	0'-5'	5'-10'	10'-14.5'
Mercury	0.11	ND	ND
Arsenic	1.7	ND	ND
Barium	103	64.1	45.4
Cadmium	0.62	0.316	0.210
Chromium	17.2	10.9	14.3
Copper	53.9	19.6	21.0
Lead	**79.0**	15.6	7.41
Nickel	18.1	11.1	11.6
Zinc	99.8	32.2	24.8

ASR-14

Sample Date: 11-2009	Results				
Compound	7.5'-10'	10'-12.5'	17.5'-20'	20'-22.5'	27.5'-30'
Mercury	0.11	**0.19**	ND	ND	ND
Arsenic	1.5	4.5	ND	ND	0.8
Barium	87.8	75.1	52.0	38.8	43.9
Cadmium	0.292	ND	0.374	0.759	0.116
Chromium	11.9	28.2	24.2	13.3	16.7
Copper	20.1	**44.7**	8.30	6.69	20.4
Lead	**1,380**	**113**	6.62	6.96	748
Nickel	13.0	18.3	13.3	12.8	12.5
Zinc	78.8	65.4	43.8	30.9	18.5

ASR-15

Sample Date: 11-2009	Results	
Compound	7.5'-10'	15'-17.5'
Mercury	ND	ND
Arsenic	1.6	ND
Barium	81.0	106
Cadmium	0.42	0.243
Chromium	14.2	10.2
Copper	20.1	14.0
Lead	**2,390**	**275**
Nickel	13.2	10.6
Zinc	76.0	32.0

ASR-16

Sample Date: 11-2009	Results					
Compound	0'-2.5'	7.5'-10'	10'-12.5'	17.5'-20'	20'-22.5'	25'-27.5'
Mercury	0.09	0.11	0.17	ND	ND	ND
Arsenic	5.7	ND	ND	ND	1.0	0.9
Barium	135	280	211	30.7	54.0	35.0
Cadmium	0.63	0.60	1.00	0.176	0.263	0.107
Chromium	30.5	**57.2**	**52.2**	10.4	16.4	11.8
Copper	**256**	47.5	**88.6**	12.6	13.0	**50.1**
Lead	**246**	19.0	23.1	11.5	11.0	17.0
Nickel	51.1	22.0	43.2	9.94	13.4	11.1
Zinc	**800**	**130**	**286**	33.7	35.1	68.7

ASR-17

Sample Date: 11-2009	Results	
Compound	7.5'-10'	15'-17.5'
Mercury	0.09	ND
Arsenic	ND	ND
Barium	276	40.1
Cadmium	0.59	0.222
Chromium	76.5	12.7
Copper	43.2	16.3
Lead	9.47	9.09
Nickel	25.3	12.1
Zinc	**142**	35.0

ASR-18

Sample Date: 11-2009	Results			
Compound	2.5'-5'	5'-10'	12.5'-15'	15'-17.5'
Mercury	**0.97**	0.18	ND	ND
Arsenic	2.3	ND	ND	ND
Barium	170	103	63.7	106
Cadmium	0.308	0.323	0.401	0.50
Chromium	18.2	27.0	17.3	30.4
Copper	44.1	37.7	11.5	14.5
Lead	**115**	**530**	7.41	11.2
Nickel	16.8	18.8	13.7	13.8
Zinc	73.2	70.3	39.0	49.4

ASR-19

Sample Date: 11-2009	Results			
Compound	0'-2.5'	5'-7.5'	10'-12.5'	17.5'-20'
Mercury	**0.26**	**0.73**	ND	ND
Arsenic	4.5	1.4	ND	0.374
Barium	119	147	104	56.0
Cadmium	0.43	0.322	0.486	0.296
Chromium	22.2	19.8	23.6	13.9
Copper	32.4	31.7	36.5	14.5
Lead	**71.7**	**145**	27.1	6.40
Nickel	17.0	16.4	23.3	14.7
Zinc	93.9	75.2	72.5	38.6

ASR-20

Sample Date: 03-2011	Results		
Compound	7.5'-10'	10'-12'	12'-14'
Mercury	ND	ND	ND
Arsenic	ND	ND	ND
Barium	37.8	56.1	92.7
Cadmium	ND	ND	ND
Chromium	14.0	23.2	22.9
Copper	13.9	32.5	26.1
Lead	8.25	10.5	11.2
Nickel	15.0	20.2	19.2
Zinc	57.2	32.1	39.0

ASR-21

Sample Date: 03-2011	Results	
Compound	7.5'-10'	12.5'-15'
Mercury	**0.207**	0.0649
Arsenic	ND	4.93
Barium	104	104
Cadmium	ND	ND
Chromium	25.1	21.9
Copper	41.6	16.0
Lead	**67.8**	17.4
Nickel	20.2	16.5
Zinc	59.6	52.6

ASR-22

Sample Date: 03-2011	Results		
Compound	5'-7.5'	10'-12.5'	12.5'-15'
Mercury	**0.963**	0.0337	ND
Arsenic	4.37	ND	4.43
Barium	177	253	70.3
Cadmium	ND	ND	ND
Chromium	28.5	15.4	11.9
Copper	**107**	6.84	13.1
Lead	**291**	9.30	5.75
Nickel	27.9	11.4	12.5
Zinc	**182**	41.7	36.6

Graphic Scale: 30 0 15 30 60 ft

PROJECT NORTH

JCB LEGEND
- SOIL BORING LOCATION
- GROUNDWATER MONITORING WELL

Bold indicates result above the Unrestricted Use Soil Cleanup Objectives (UUSCOs) as Listed in NYSDEC 6 NYCRR Part 375 Table 375-6.8(a).

Base Map Provided by Control Point Associates, Inc., Licensed New York Professional Land Surveyors.

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Drawing Title

Figure No. 11

Soil Analytical Results Map (mg/kg)

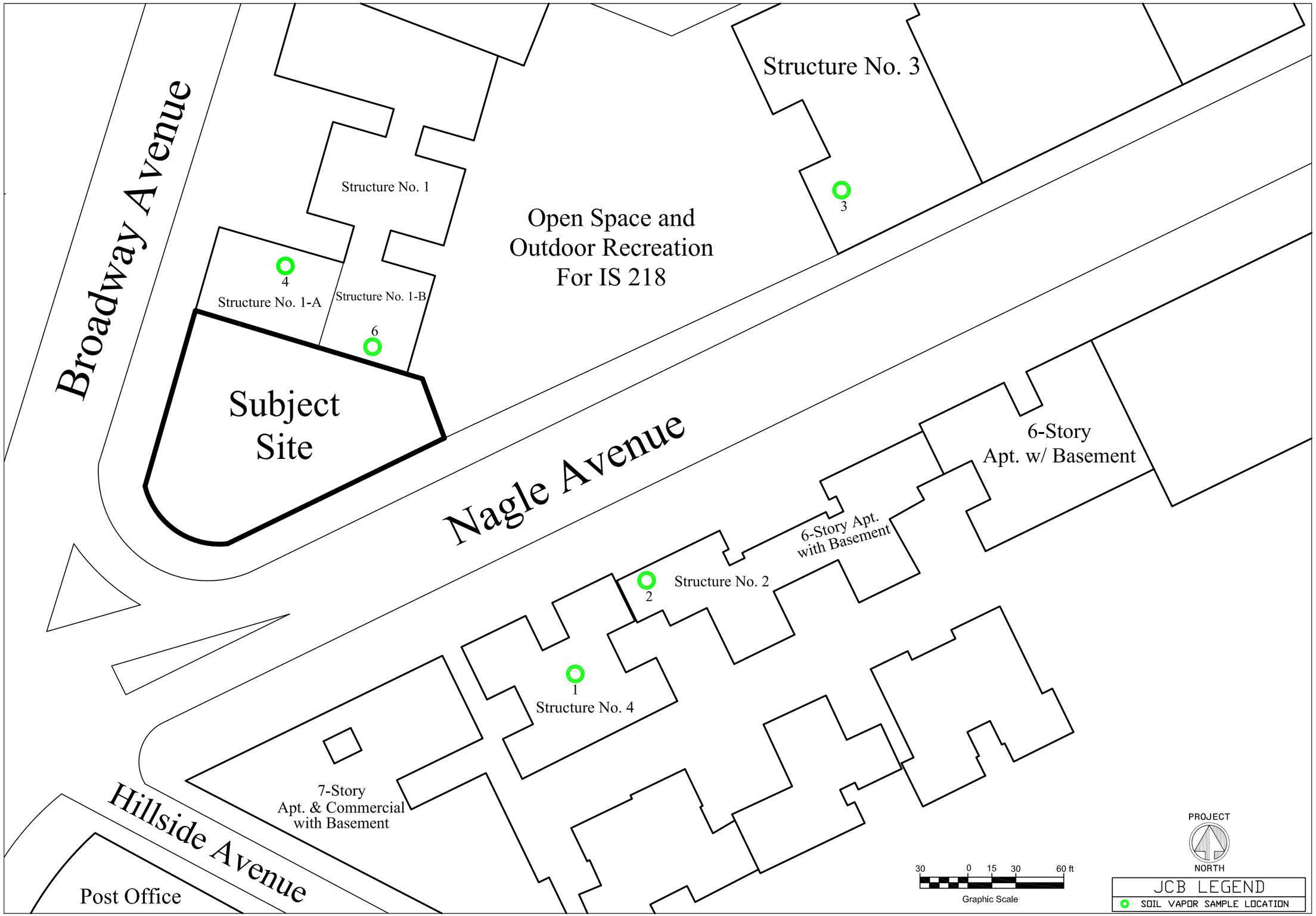
TAL Metals

Scale	Project No.	Date
As Noted	11-21522	11-18-11

Drawn By	Checked By	Page No.
J.V.N.	S.W.M.	11 of 22

Drawing No.

11



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BCP# C231054

Drawing Title

Figure No. 12

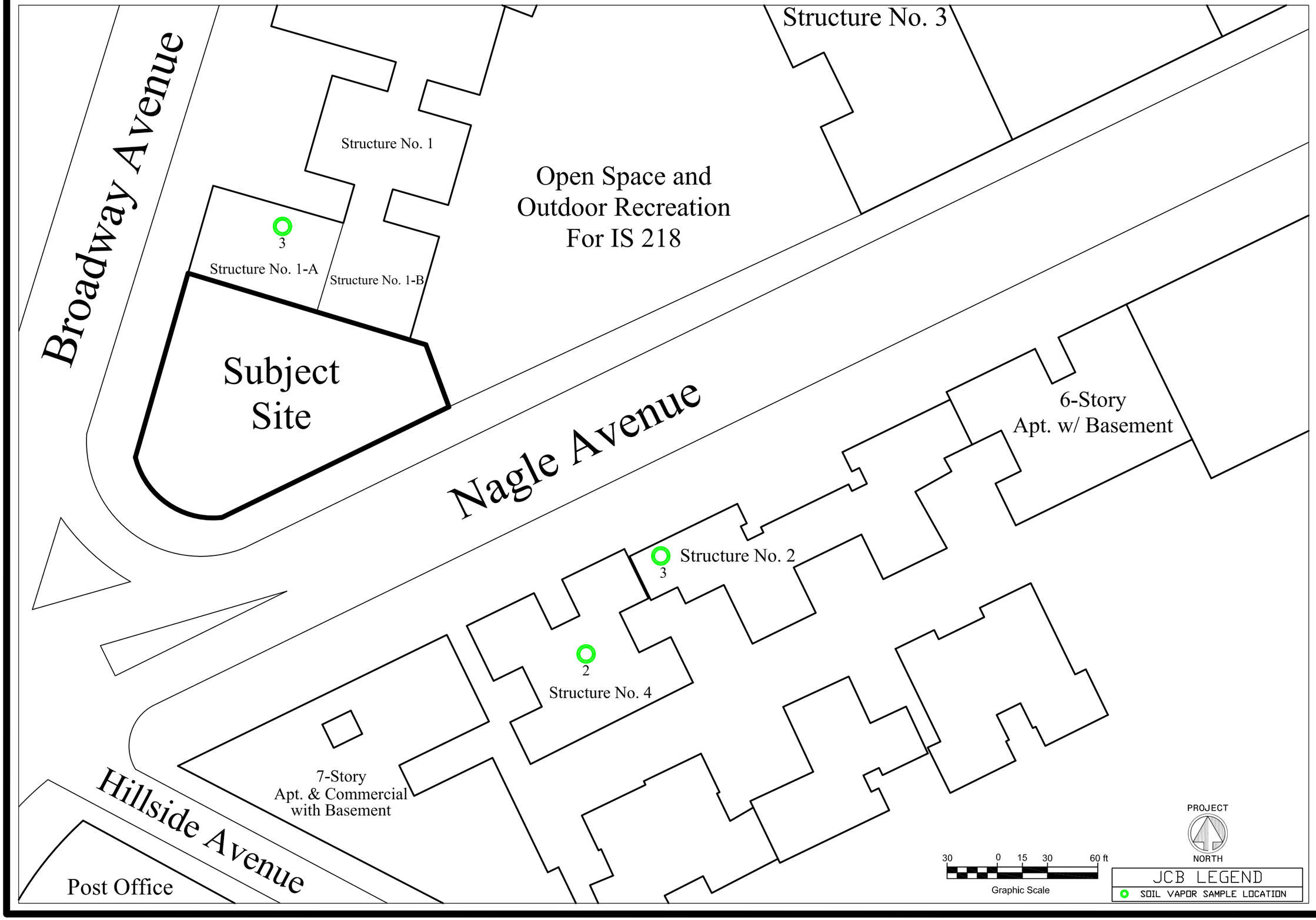
Sub-Slab
Vapor Sampling
Locations
Map

Scale	Project No.	Date
As Noted	11-21522	11-18-11

Drawn By	Checked By	Page No.
J.V.N.	S.W.M.	12 of 22

Drawing No.

12



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Drawing Title

Figure No. 13

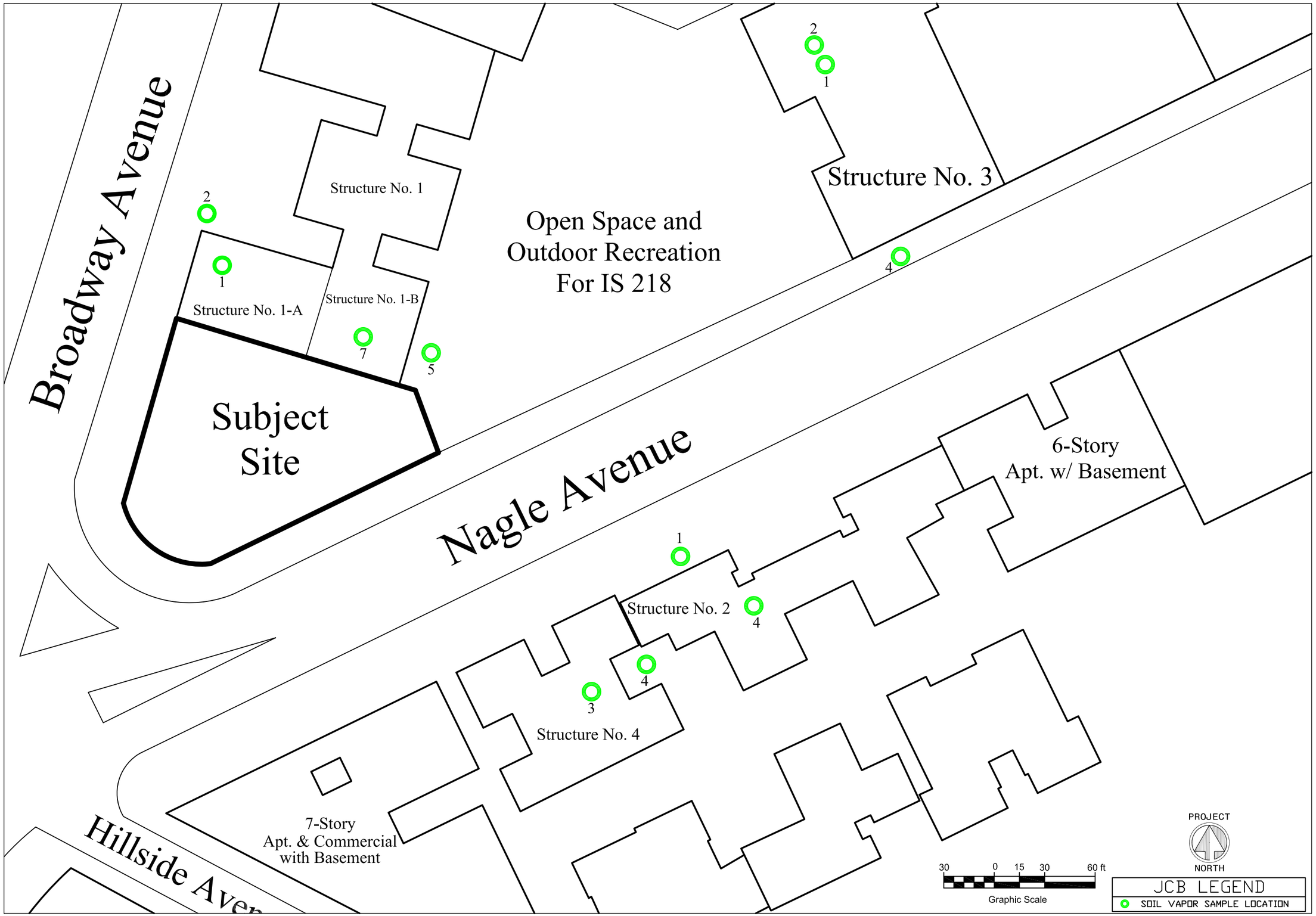
Basement
Vapor Sampling
Locations
Map

Scale	Project No.	Date
As Noted	11-21522	11-18-11

Drawn By	Checked By	Page No.
J.V.N.	S.W.M.	13 of 22

Drawing No.

13



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4566 Broadway LLC.
4566 Broadway Avenue
New York, NY 10040

BCP# C231054

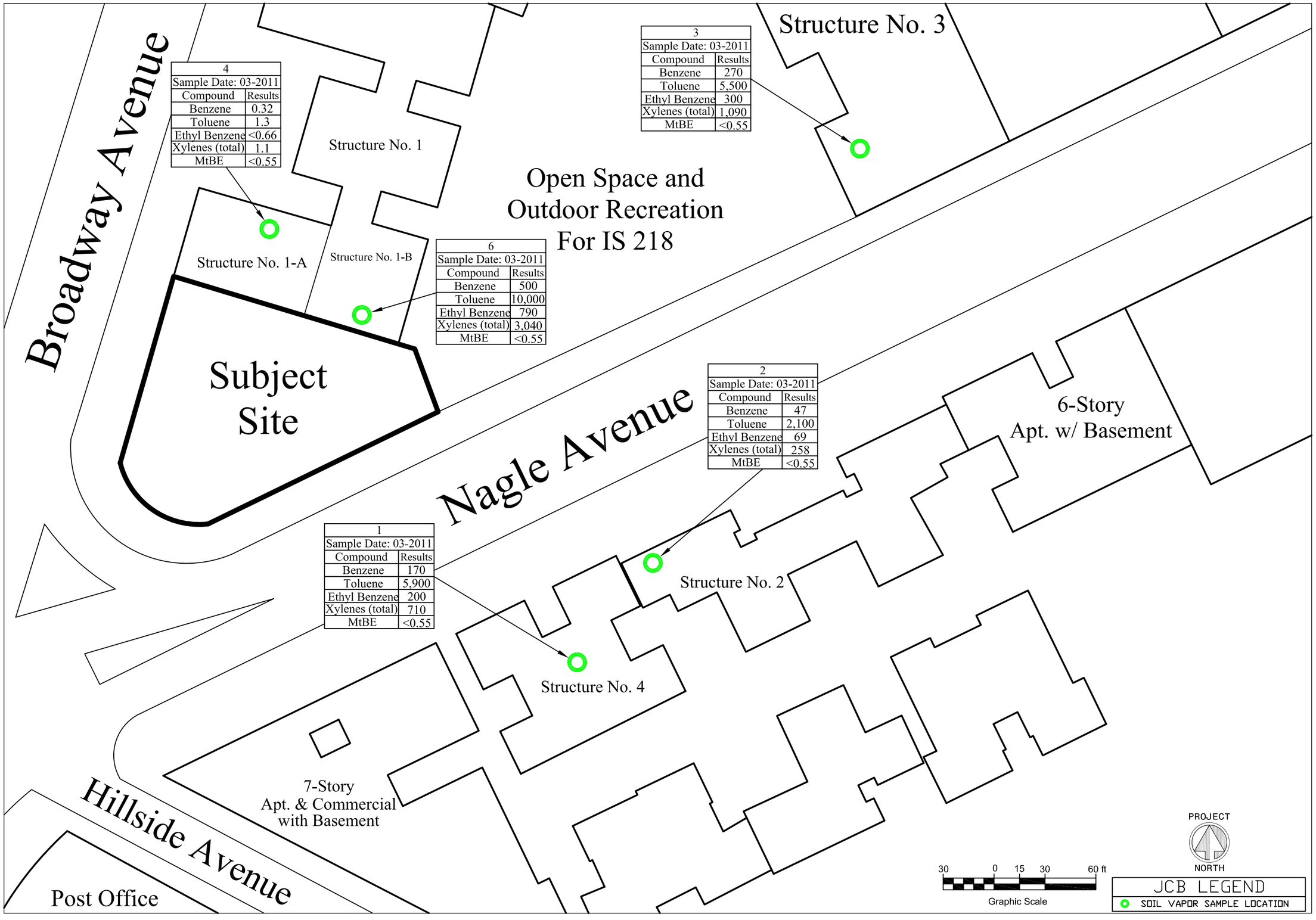
Drawing Title
Figure No. 14

1st Floor and Ambient Vapor Sampling Locations Map

Scale	Project No.	Date
As Noted	11-21522	11-18-11

Drawn By	Checked By	Page No.
J.V.N.	S.W.M.	14 of 22

Drawing No.
14



J.C. BRODERICK & Associates
Environmental Consulting and Testing
1775 Express Drive North
Hauppauge, NY 11788
Phone: (631).584.5492
Fax: (631).584.3395

Notes:

4566 Broadway LLC.
4566 Broadway Avenue
New York, NY 10040

BCP# C231054

Drawing Title

Figure No. 15

Sub-Slab
Soil Vapor
Analytical
Results Map
($\mu g/m^3$)

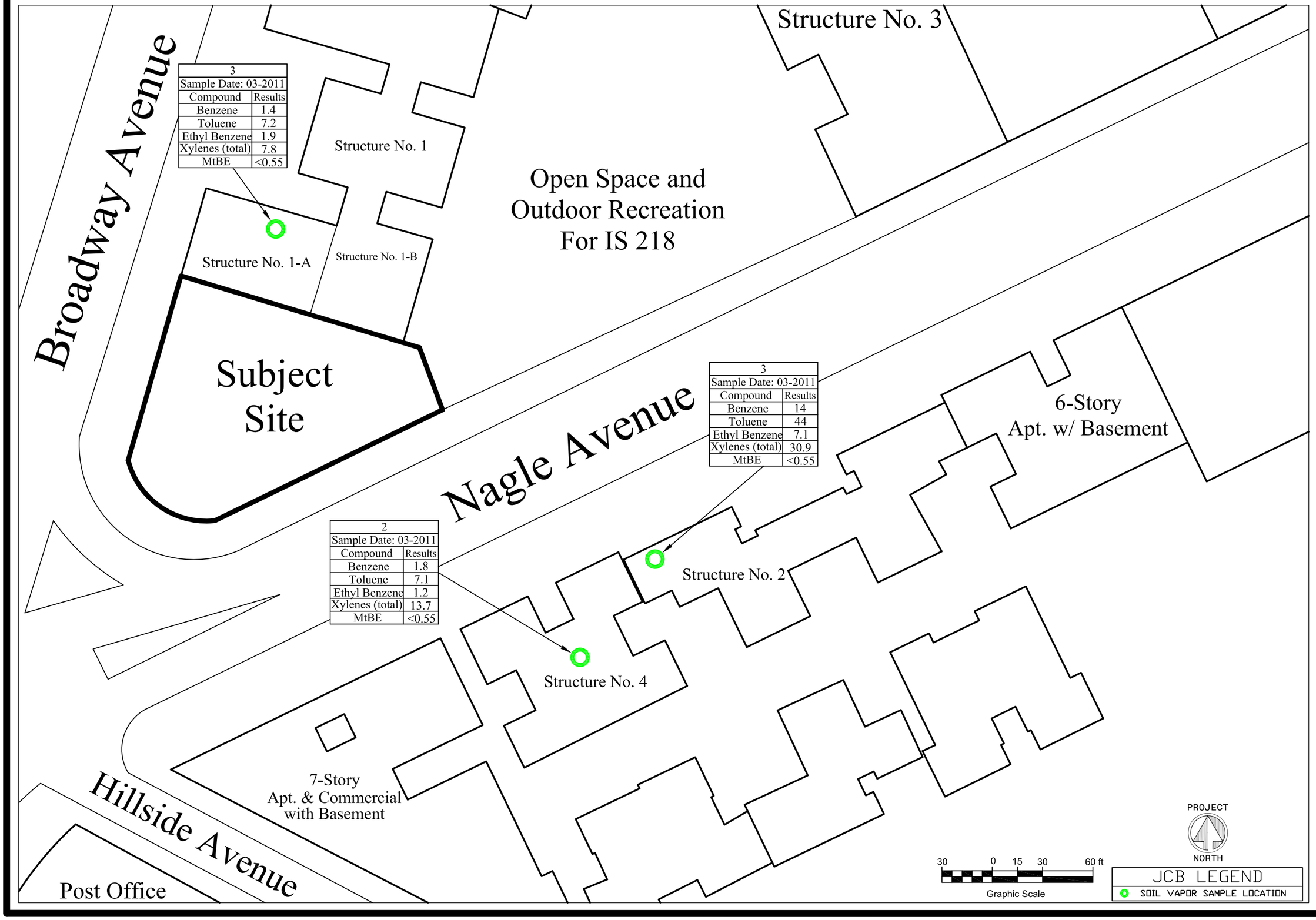
BTEX and MtBE

Scale	Project No.	Date
As Noted	11-21522	11-18-11

Drawn By	Checked By	Page No.
J.V.N.	S.W.M.	15 of 22

Drawing No.

15



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Hauppauge, NY 11788
Phone: (631).584.5492
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Notes:

4566 Broadway LLC.
4566 Broadway Avenue
New York, NY 10040

BCP# C231054

Drawing Title

Figure No. 16

Basement Vapor Analytical Results Map ($\mu g/m^3$)

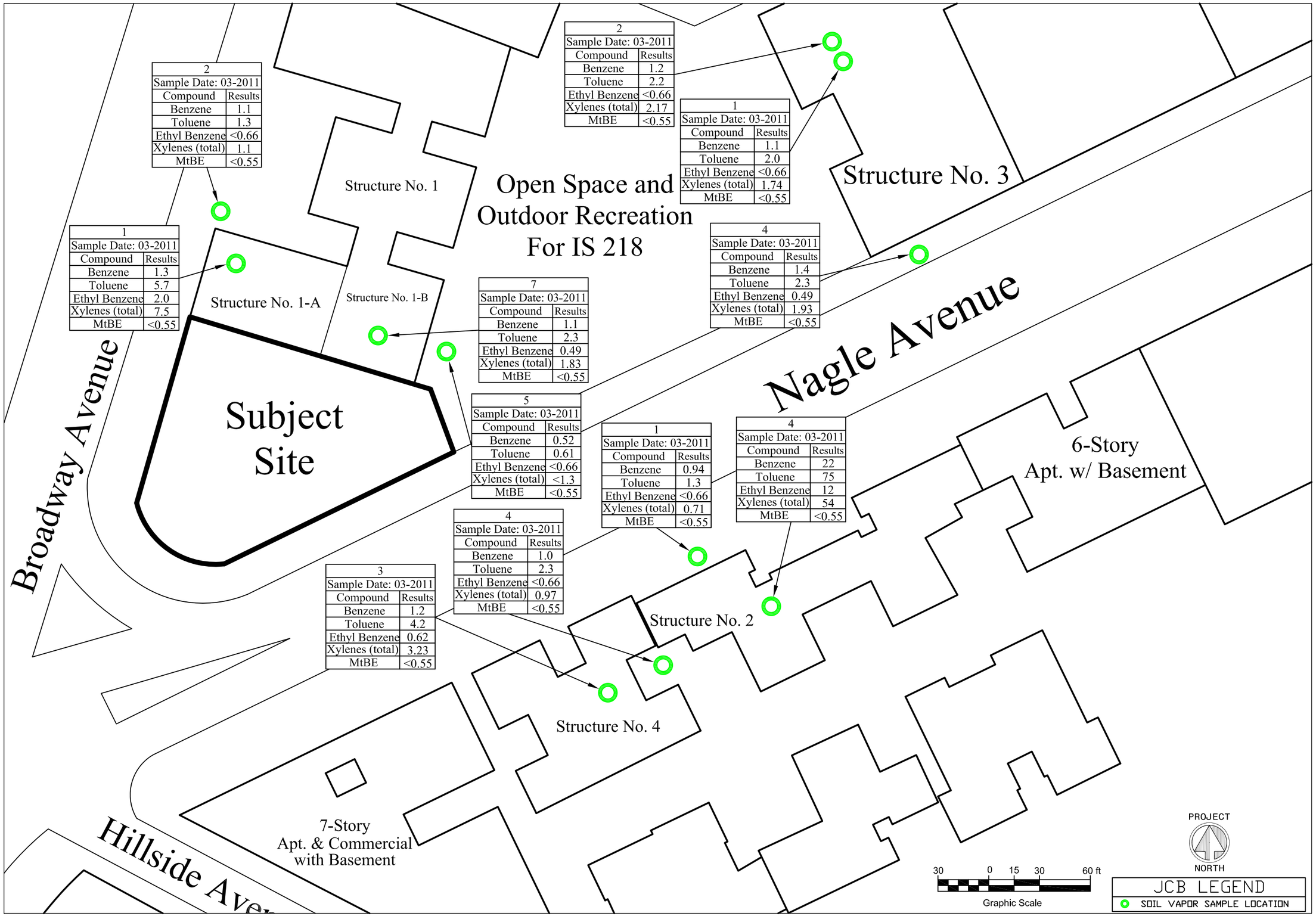
BTEX and MtBE

Scale	Project No.	Date
As Noted	11-21522	11-18-11

Drawn By	Checked By	Page No.
J.V.N.	S.W.M.	16 of 22

Drawing No.

16



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Hauppauge, NY 11788
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Notes:

4566 Broadway LLC.
4566 Broadway Avenue
New York, NY 10040

BCP# C231054

Drawing Title

Figure No. 17

1st Floor and Ambient Vapor Analytical Results Map ($\mu g/m^3$)

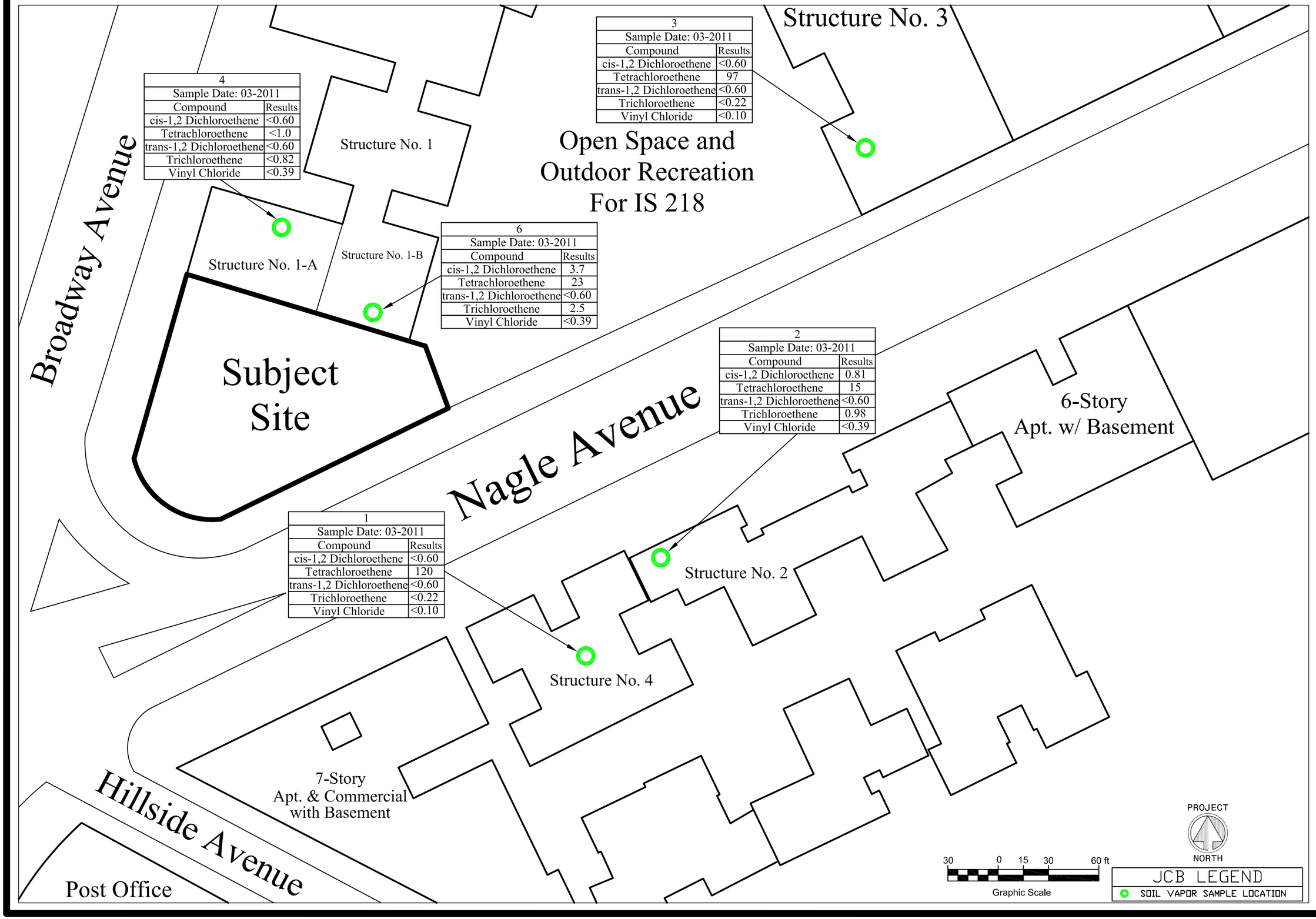
BTEX and MtBE

Scale	Project No.	Date
As Noted	11-21522	11-18-11

Drawn By	Checked By	Page No.
J.V.N.	S.W.M.	17 of 22

Drawing No.

17



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Notes:

4566 Broadway LLC.
4566 Broadway Avenue
New York, NY 10040

BCP# C231054

Drawing Title

Figure No. 18

Sub-Slab
Soil Vapor
Analytical
Results Map
(µg/m³)

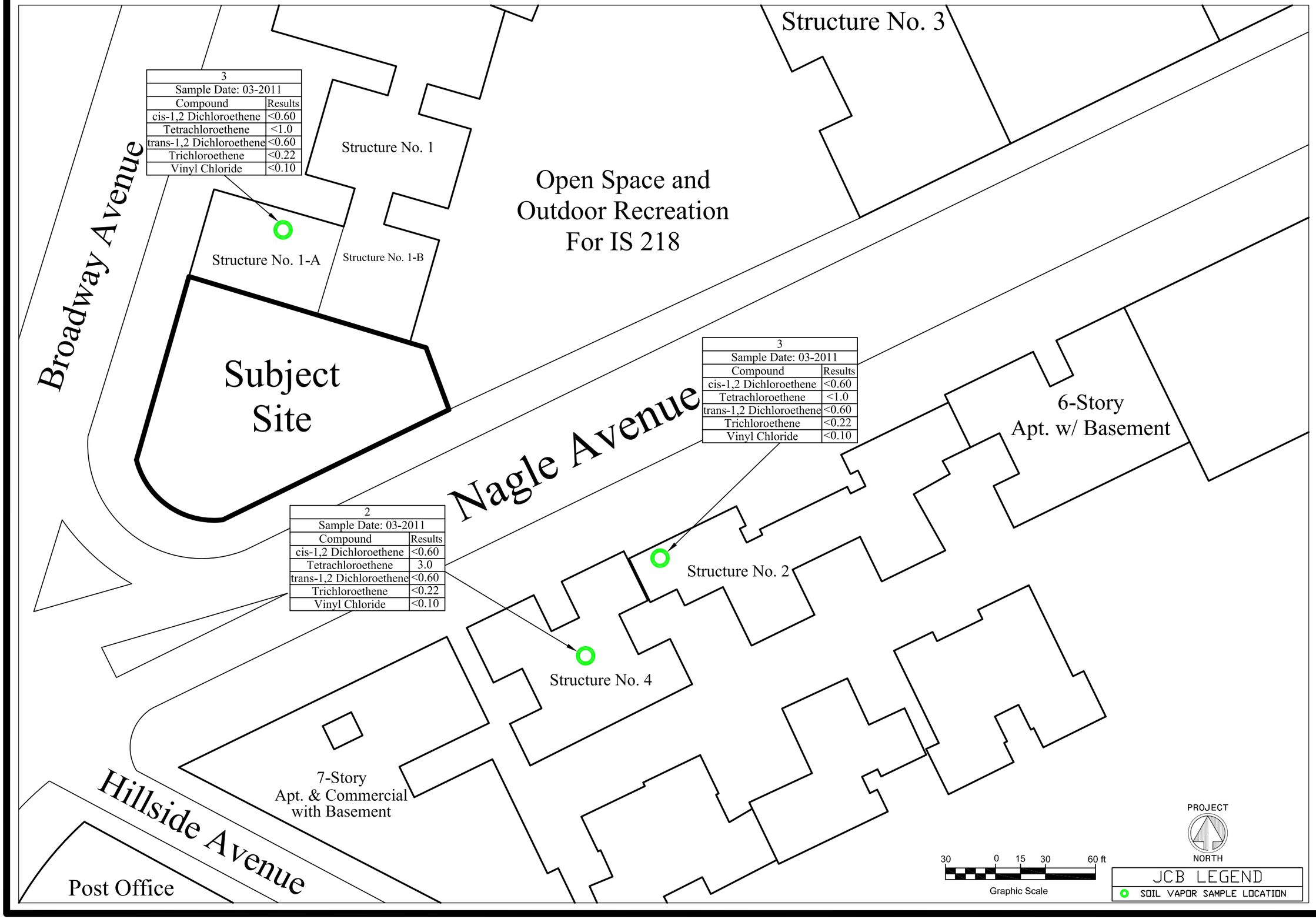
Target
Chlorinated Solvents

Scale	Project No.	Date
As Noted	11-21522	11-18-11

Drawn By	Checked By	Page No.
J.V.N.	S.W.M.	18 of 22

Drawing No.

18



3	
Sample Date: 03-2011	
Compound	Results
cis-1,2 Dichloroethene	<0.60
Tetrachloroethene	<1.0
trans-1,2 Dichloroethene	<0.60
Trichloroethene	<0.22
Vinyl Chloride	<0.10

3	
Sample Date: 03-2011	
Compound	Results
cis-1,2 Dichloroethene	<0.60
Tetrachloroethene	<1.0
trans-1,2 Dichloroethene	<0.60
Trichloroethene	<0.22
Vinyl Chloride	<0.10

2	
Sample Date: 03-2011	
Compound	Results
cis-1,2 Dichloroethene	<0.60
Tetrachloroethene	3.0
trans-1,2 Dichloroethene	<0.60
Trichloroethene	<0.22
Vinyl Chloride	<0.10

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& Associates
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Hauppauge, NY 11788
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Notes:

4566 Broadway LLC.
4566 Broadway Avenue
New York, NY 10040

BCP# C231054

Drawing Title

Figure No. 19

Basement Vapor Analytical Results Map ($\mu g/m^3$)

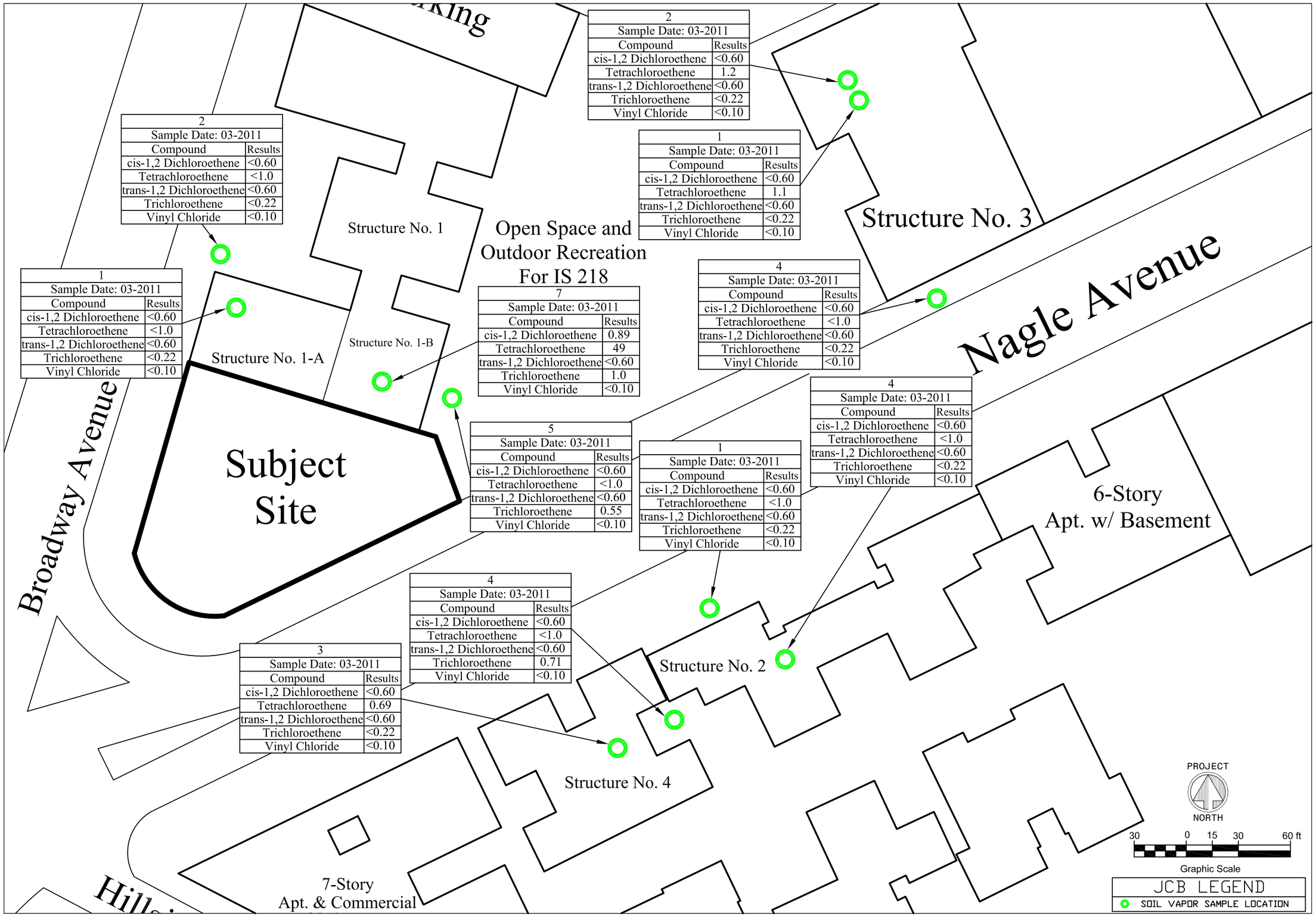
Target Chlorinated Solvents

Scale	Project No.	Date
As Noted	11-21522	11-18-11

Drawn By	Checked By	Page No.
J.V.N.	S.W.M.	19 of 22

Drawing No.

19



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1775 Express Drive North
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Fax: (631).584.3395

Notes:

4566 Broadway LLC.
4566 Broadway Avenue
New York, NY 10040

BCP# C231054

Drawing Title

Figure No. 20

1st Floor and Ambient Vapor Analytical Results Map ($\mu g/m^3$)

Target Chlorinated Solvents

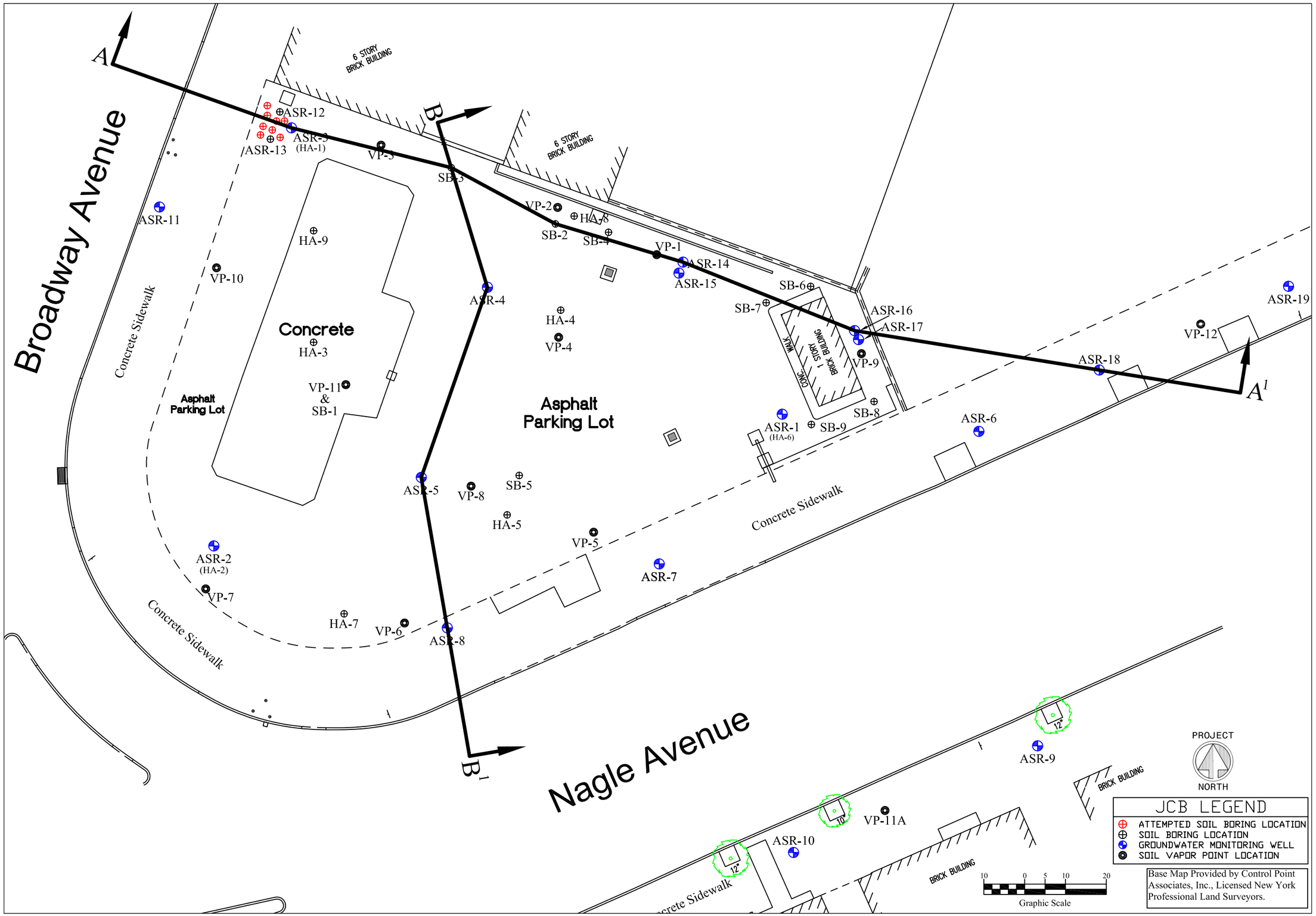
Scale	Project No.	Date
As Noted	11-21522	11-18-11

Drawn By	Checked By	Page No.
J.V.N.	S.W.M.	20 of 22

Drawing No.

20

Appendix B
Stratigraphic Cross Sections



JCB LEGEND

- ATTEMPTED SOIL BORING LOCATION
- SOIL BORING LOCATION
- GROUNDWATER MONITORING WELL
- SOIL VAPOR POINT LOCATION

Base Map Provided by Control Point Associates, Inc., Licensed New York Professional Land Surveyors.

J.C. BRODERICK & Associates
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Fax: (631).584.3395

Notes:

4566 Broadway LLC.
4566 Broadway Avenue
New York, NY 10040

BCP# C231054

Drawing Title

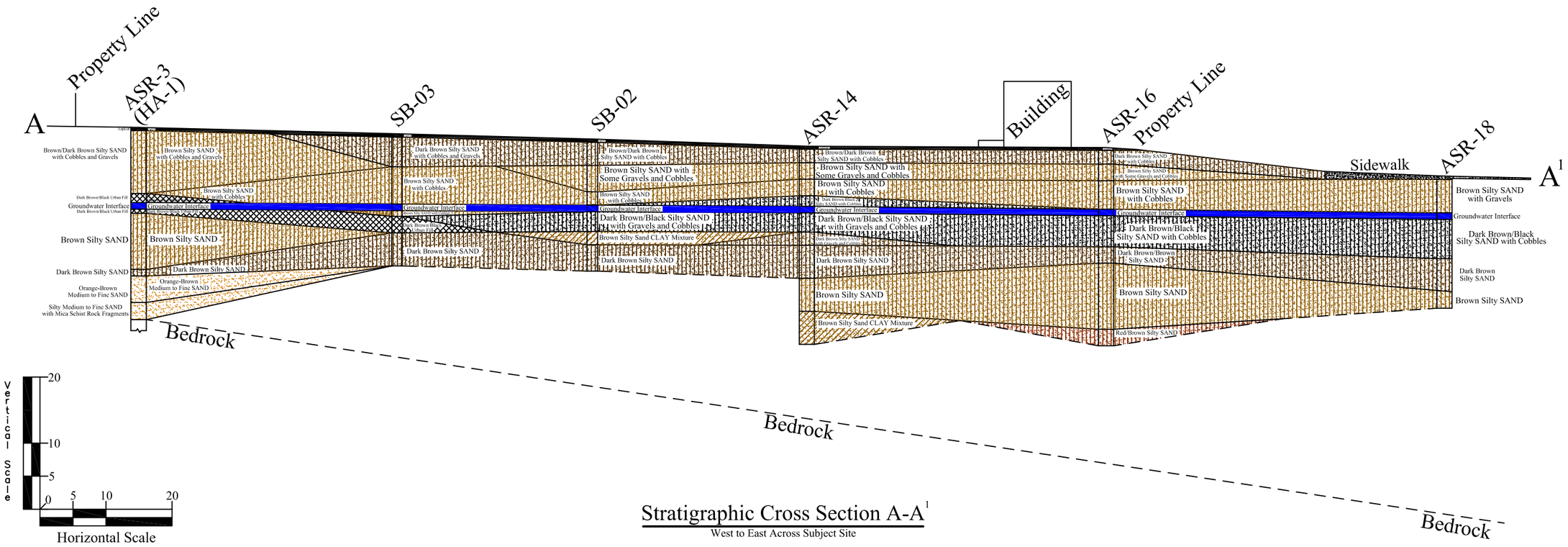
Stratigraphic Cross Section Index Map

Scale	Project No.	Date
As Noted	11-21522	10-12-11

Drawn By	Checked By	Page No.
J.V.N.	S.W.M.	21 of 22

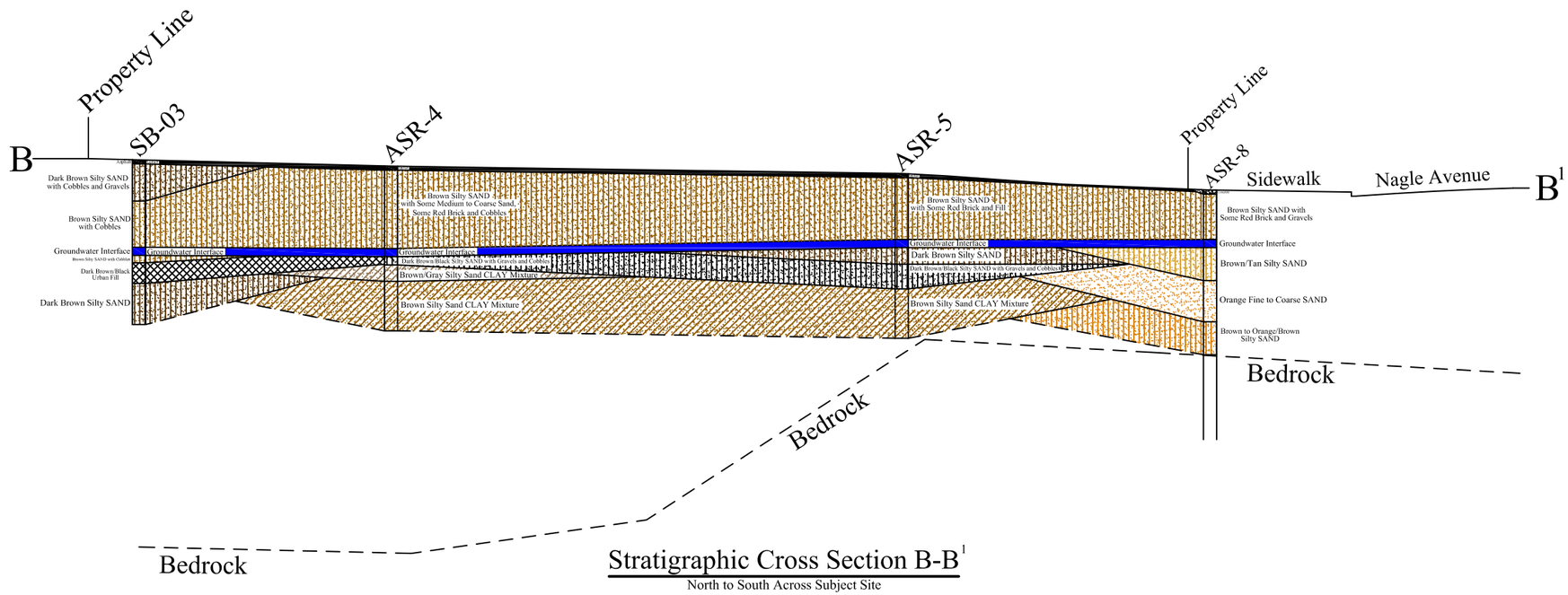
Drawing No.

21



Stratigraphic Cross Section A-A[1]

West to East Across Subject Site



Stratigraphic Cross Section B-B[1]

North to South Across Subject Site

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Notes:

4566 Broadway LLC.
4566 Broadway Avenue
New York, NY 10040

BCP# C231054

Drawing Title

Stratigraphic Cross Sections

Scale	Project No.	Date
As Noted	11-21522	10-12-11

Drawn By	Checked By	Page No.
J.V.N.	S.W.M.	22 of 22

Drawing No.

22

Appendix C
Boring Logs

HALEY & ALDRICH

TEST BORING REPORT

Boring No. HA-1(OW)

Project Proposed Mixed Use Development New York, New York
Client 4566 Broadway LLC
Contractor Craig Test Borings, Inc.

File No. 33637-000
Sheet No. 1 of 5
Start October 3, 2006
Finish October 4, 2006
Driller D. Cook
H&A Rep. M. Pascal
Elevation 34.30
Datum Manhattan Highway
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	NX	Rig Make & Model: CME 75
Inside Diameter (in.)	4	1 3/8	2	Bit Type: Roller Bit
Hammer Weight (lb.)	140	140	-	Drill Mud: Polymer
Hammer Fall (in.)	30	30	-	Casing: Driven to 20 ft
				Hoist/Hammer: Winch / Automatic Hammer

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	30 16 16 15	S1 20	0.0 2.0	NO WELL INSTALLED		SM	Medium dense brown silty coarse to fine SAND, trace gravel, with asphalt fragments, strong petrochemical odor (11-65)	-	5	5	20	40	30	-	-	-	-
	10 7 24 12	S2 4	2.0 4.0			SM	Dense brown silty coarse to fine SAND, some coarse to fine gravel, with glass fragments (11-65)	5	20	5	20	25	25	-	-	-	-
5	7 7 4 4	S3 6	4.0 6.0			SM	Similar to S12, except medium dense (11-65)	10	10	5	25	25	25	-	-	-	-
	6 3 5 6	S4 6	6.0 8.0			SM	Loose brown to red-brown gravelly coarse to fine SAND, little silt (11-65)	10	15	15	25	20	15	-	-	-	-
	8 40 56 13	S5 8	8.0 10.0			GM	Very dense brown to gray sandy coarse to fine GRAVEL, some silt (11-65)	25	15	5	15	15	25	-	-	-	-
10	1 2 1 woh	S6 3	10.0 12.0			SM	Very loose brown silty medium to fine SAND, strong chemical odor, wet (11-65)	-	-	-	30	50	20	-	-	-	-
	woh woh 2 2	S7 12	12.0 14.0		21.3 13.0	SP-SM	Very loose brown medium to fine SAND, little silt with red brick fragments, strong odor, black staining (11-65) -FILL-	-	-	-	30	60	10	-	-	-	-
15	1 1 2 3	S8 12	15.0 17.0			SM	Very loose green-brown silty fine SAND, specs of organics (8-65)	-	-	-	-	60	40	-	-	-	-
							-ALLUVIAL DEPOSITS-										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water
		See Observation Well Report			

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 95.0
Rock Cored (lin. ft.) 10.0
Samples 17S,2C

Boring No. HA-1(OW)

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (in.) is determined by direct observation within the limitations of sampler size.

Note: Soil Identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

USCS_TB4 USCSLIB4.GLB USCS_TB5.GDT G:\33637 - 4566 BROADWAY\000\DATABASES\2006-1004-GINT5 33637000TB+C.GPJ Nov 10, 06

HALEY & ALDRICH

TEST BORING REPORT

Boring No. HA-1(OW)
File No. 33637-000
Sheet No. 2 of 5

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20	8 1 1 woh	S9 4	20.0 22.0		12.8	SM	Very loose gray fine silty SAND (8-65)	-	-	-	-	80	20	-	-	-	-
					21.5 11.8	PT	Very soft dark brown ORGANIC SILT, slight organic odor (11-65)	-	-	-	-	-	100	-	-	-	-
					22.5		-ALLUVIAL DEPOSITS-										
25	8 7 7 100/3	S10 10	25.0 26.8		7.8	SP-SM	Medium dense orange-brown medium to fine SAND (7-65) -GLACIOFLUVIAL DEPOSITS-	-	-	-	30	60	10	-	-	-	-
					26.5	SM	Medium dense silty medium to fine SAND with mica schist rock fragments (7-65)	-	-	-	20	40	40	-	-	-	-
					5.3 29.0		Pieces of mica SCHIST with silty coarse to fine SAND, little coarse to fine gravel (probable weathered boulder) REC = 16 in./27%; RQD = 11 in./18% Drill Rates (min/ft) = 3,2,3,3,2										
30		C1	29.0 34.0														
		C2	34.0 39.0				Hard highly weathered gray and light brown coarse grained (INWOOD) MARBLE. Low angle joint, rough, undulating, discolored, tight, open (probable weathered boulder) REC = 7 in./12%; RQD = 4 in./7% Drill Rates (min/ft) = 1,1,1,1,1										
35					-4.7		-GLACIOFLUVIAL DEPOSITS-										
					39.0												
40	1/24	S11 1	40.0 42.0			ML	Very loose orange-brown sandy SILT (10-65)	-	-	-	10	20	70	-	-	-	-
45	2 3 4 5	S12 8	45.0 47.0		-10.7 45.0	CL	Medium stiff orange-brown and white CLAY, little sand (9-65) -DECOMPOSED BEDROCK-	-	-	-	-	10	90	-	-	-	-

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

USCS_TB4 USCSLIB4.GLB USCS_TB5.GDT G:\33637 - 4566 BROADWAY\000\DATABASES\2006-1004-GINT5 33637000TB+C.GPJ Nov 10, 06

HALEY & ALDRICH

TEST BORING REPORT

Boring No. HA-1(OW)
File No. 33637-000
Sheet No. 3 of 5

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
50	2 5 9 6	S13 12	50.0 52.0			CL	Similar to S12, except stiff (9-65)	-	-	-	-	10	90	-	-	-	-
55	1 4 7 5	S14 18	55.0 57.0			CL	Similar to S13 (9-65)	-	-	-	-	10	90	-	-	-	-
60	1 2 5 9	S15 16	60.0 62.0			CL	Medium stiff orange-brown and white CLAY, little sand (9-65)	-	-	-	-	10	90	-	-	-	-
65	6 6 15 25	S16 12	65.0 67.0			GM	Medium dense orange-brown silty coarse to fine GRAVEL, some coarse to fine sand (6-65)	20	30	5	15	10	20	-	-	-	-
70							Note: Roller bit advanced to 80.0 ft										
							-DECOMPOSED BEDROCK-										
75																	

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

USCS_TB4 USCSLIB4.GLB USCS_TB5.GDT G:\33637 - 4566 BROADWAY\2000\DATABASES\2006-1004-GINT5 33637000TB+C.GPJ Nov 10, 06

HALEY & ALDRICH

TEST BORING REPORT

Boring No. HA-1(OW)
File No. 33637-000
Sheet No. 4 of 5

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
							-DECOMPOSED BEDROCK-										
80	9 8 10 12	S17 4	80.0 82.0			ML	Stiff orange-brown and white SILT (10-65)	-	-	-	-	-	100	-	-	-	-
85							Note: Roller bit advanced to 105 ft										
90																	
95																	
100							-DECOMPOSED BEDROCK-										

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

USCS_TB4 USCSLIB4.GLB USCS_TB5.GDT G:\33637 - 4566 BROADWAY\000\DATABASES\2006-1004-GINT5 33637000TB+C.GPJ Nov 10, 06

HALEY & ALDRICH

TEST BORING REPORT

Boring No. HA-1(OW)
File No. 33637-000
Sheet No. 5 of 5

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
105					-70.7		-DECOMPOSED BEDROCK-										
					105.0		Bottom of exploration at 105.0 ft										
							Note: Installed observation well in borehole subsequently advanced adjacent to HA-1. Refer to Groundwater Observation Well Installation Report for details										

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

USCS_TB4 USCSLIB4.GLB USCS_TB5.GDT G:\33637 - 4566 BROADWAY\000\DATABASES\2006-1004-GINT5 33637000TB+C.GPJ Nov 10, 06

HALEY & ALDRICH

OBSERVATION WELL INSTALLATION REPORT

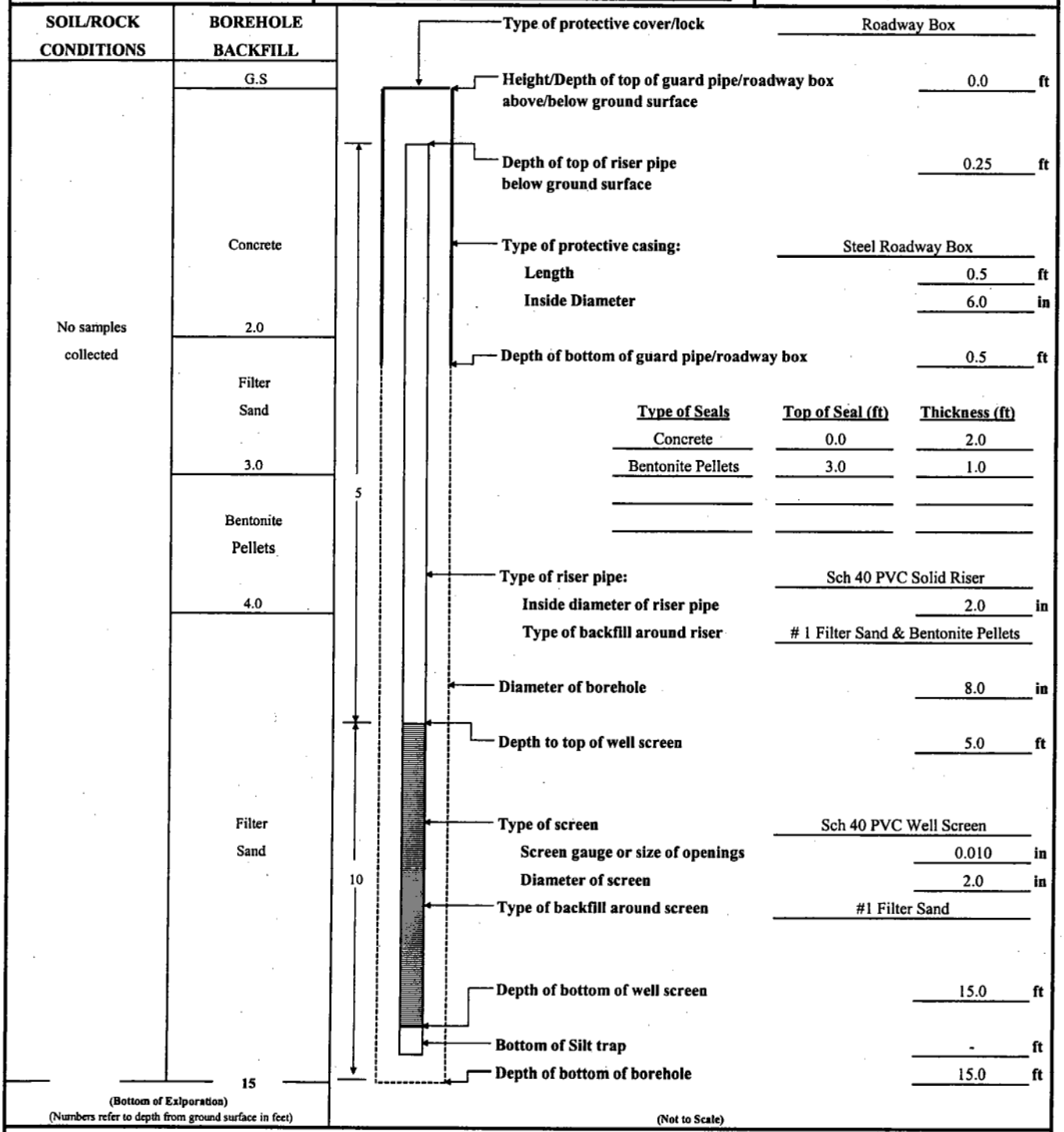
Well No. HA-1(OW)
Boring No. HA-1(OW)

PROJECT	Proposed Mixed Use Development	H&A FILE NO.	33637-000
LOCATION	New York, NY	PROJECT MGR.	T. Crowl
CLIENT	4566 Broadway, LLC	FIELD REP.	A. Granger
CONTRACTOR	Craig Test Boring Co. Inc	DATE INSTALLED	10/16/2006
DRILLER	Dave Cook	WATER LEVEL	10.03

Ground El. 34.3 ft
El. Datum Manhattan Highway

Location: NE corner of parking lot

☐ Guard Pipe
☑ Roadway Box



Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	0.0	2.0
Bentonite Pellets	3.0	1.0

5 ft	Riser Pay Length (L1)	+ 10 ft	Length of screen (L2)	+ - ft	Length of silt trap (L3)	= 15 ft Pay length

COMMENTS:

Form # 3010

HALEY & ALDRICH

GROUNDWATER MONITORING REPORT

OW/PZ NUMBER
HA-1(OW)

PROJECT	Proposed Mixed Use Development	**H&A FILE NO.**	33637-000
LOCATION	New York, NY	**PROJECT MGR.**	T. Crowl
CLIENT	4566 Broadway, LLC	**FIELD REP.**	A. Granger
CONTRACTOR	Craig Test Boring Co., Inc.	**DATE**	10/16/2006

ELEVATION OF REFERENCE POINT 34.0

DESCRIPTION OF REFERENCE POINT ☐ PVC ☑ Roadway / Casing ☐ Ground Surface ☐ Other:

Date	Time	Elapsed Time (days)	Depth to Water from Reference Point	Elevation of Water	Remarks	Read By
10/16/2006	8:45	--	10.7	23.3	Initial Reading	AG
10/16/2006	12:00	--	10.0	24.0		AG

Form #3170

HALEY & ALDRICH

TEST BORING REPORT

Boring No. HA-2(OW)

Project	Proposed Mixed Use Development New York, New York
Client	4566 Broadway LLC
Contractor	Craig Test Borings, Inc.

File No.	33637-000
Sheet No.	1 of 3
Start	October 3, 2006
Finish	October 3, 2006
Driller	D. Cook
H&A Rep.	M. Pascal
Elevation	32.60
Datum	Manhattan Highway
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	NX	Rig Make & Model: CME 75
Inside Diameter (in.)	4	1 3/8	2	Bit Type: Roller Bit
Hammer Weight (lb.)	140	140	-	Drill Mud: Polymer
Hammer Fall (in.)	30	30	-	Casing: Driven to 15 ft
				Hoist/Hammer: Winch / Automatic Hammer

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0					32.1		2 in. Asphalt, 6 in. Concrete										
					0.5												
	8 3	S1	1.0 2.0			SP	Medium dense gray coarse to fine SAND, trace silt with crushed concrete (11-65)	-	-	40	35	20	5	-	-	-	-
	4 4 6 3	S2 6	2.0 4.0			SP	Similar to S1, except little coarse gravel (11-65)	10	-	30	35	20	5	-	-	-	-
5	wor 1 2 2	S3 1	4.0 6.0			SM	Very loose brown silty coarse to fine SAND, little coarse gravel (11-65)	10	-	10	30	20	30	-	-	-	-
	9 20 20 8	S4 2	6.0 8.0			SM	Dense dark brown silty coarse to fine SAND, little fine gravel, with miscellaneous fill particles (11-65)	-	10	10	30	20	30	-	-	-	-
	1 2 3 2	S5 6	8.0 10.0			SM	Loose brown silty coarse to fine SAND, little fine gravel, moist to wet (11-65)	-	20	10	20	20	30	-	-	-	-
10	2 2 4 6	S6 4	10.0 12.0			SM	Similar to S5 (11-65)	-	10	10	30	20	30	-	-	-	-
	9 7 8 11	S7 12	12.0 14.0		20.1 12.5		-FILL- Medium dense orange-brown silty coarse to fine SAND, little fine gravel (7-65)	-	10	5	20	45	20	-	-	-	-
15	4 5 3 4	S8 8	15.0 17.0			SM	Loose green-brown silty coarse to fine SAND with mica rock fragments (7-65)	-	10	5	20	45	20	-	-	-	-
							-GLACIOFLUVIAL DEPOSITS-										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water
		See Observation Well Report			

Sample Identification	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon
G	Geoprobe

Well Diagram: Riser Pipe, Screen, Filter Sand, Cuttings, Grout, Concrete, Bentonite Seal

Summary	
Overburden (lin. ft.)	24.0
Rock Cored (lin. ft.)	10.0
Samples	9S,2C

Boring No. HA-2(OW)

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None; Toughness: L-Low, M-Medium, H-High; Plasticity: N-Nonplastic, L-Low, M-Medium, H-High; Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (in.) is determined by direct observation within the limitations of sampler size.

Note: Soil Identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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TEST BORING REPORT

Boring No. HA-2(OW)
File No. 33637-000
Sheet No. 2 of 3

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
					12.6												
20	38 63 69 100	S9	20.0 22.0		20.0	SP	Very dense light brown coarse to fine SAND, little coarse to fine gravel, trace silt (6-65) Note: Advanced roller bit to 24.0 ft and began coring	10	5	10	30	40	5	-	-	-	-
							-DECOMPOSED BEDROCK-										
25							SEE CORE BORING REPORT FOR ROCK DETAILS										
30																	

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

USCS_TB4 USCSLIB4.GLB USCS_TB5.GDT G:\33637 - 4566 BROADWAY\000\DATABASES\2006-1004-GINT5 33637000TB+C.GPJ Nov 10, 06

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CORE BORING REPORT

Boring No. HA-2(OW)
File No. 33637-000
Sheet No. 3 of 3

Depth (ft)	Drilling Rate Min./ft	Run No.	Depth (ft)	Recovery/RQD in.	Recovery/RQD %	Weathering	Well Diagram	Elev./ Depth (ft)	Visual Description and Remarks
									SEE TEST BORING REPORT FOR OVERBURDEN DETAILS
	5.0	C1	24.0 29.0	57 30	95 50			8.6 24.0	Soft, slightly to moderately weathered, light brown to gray, medium grained INWOOD MARBLE. Moderately dipping joint set close to moderate, rough, planar, discolored to decomposed, open. Moderately dipping joint rough, undulating, discolored, open. Low angle joint set moderate, rough, undulating, discolored, open (4-65)
25	5.0								
	5.0								
	5.0								
	5.0								
		C2	29.0 34.0	48 19	80 32				Soft to medium, slightly weathered, light brown, medium grained INWOOD MARBLE. Moderately dipping joint set close to moderate, rough, planar, discolored to decomposed, open. Moderately dipping joint rough undulating, discolored, open. Low angle joint set very close to moderate, rough, undulating, discolored, open. High angle joint rough, undulating, discolored, tight (3-65)
30									
								-1.4	-BEDROCK-
								34.0	Bottom of exploration at 34.0 ft
									Note: Installed observation well in compelted borehole. Refer to Groundwater Observation Well Installation Report for details

H+A_CORE+WELL4 USCSLIB4.GLB USCS_TB5.GDT G:\33637 - 4586 BROADWAY\000\DATABASES\2006-1004-GINT5 33637000TB+C.GPJ Nov 10, 06

HALEY & ALDRICH

OBSERVATION WELL INSTALLATION REPORT

Well No. HA-2(OW)

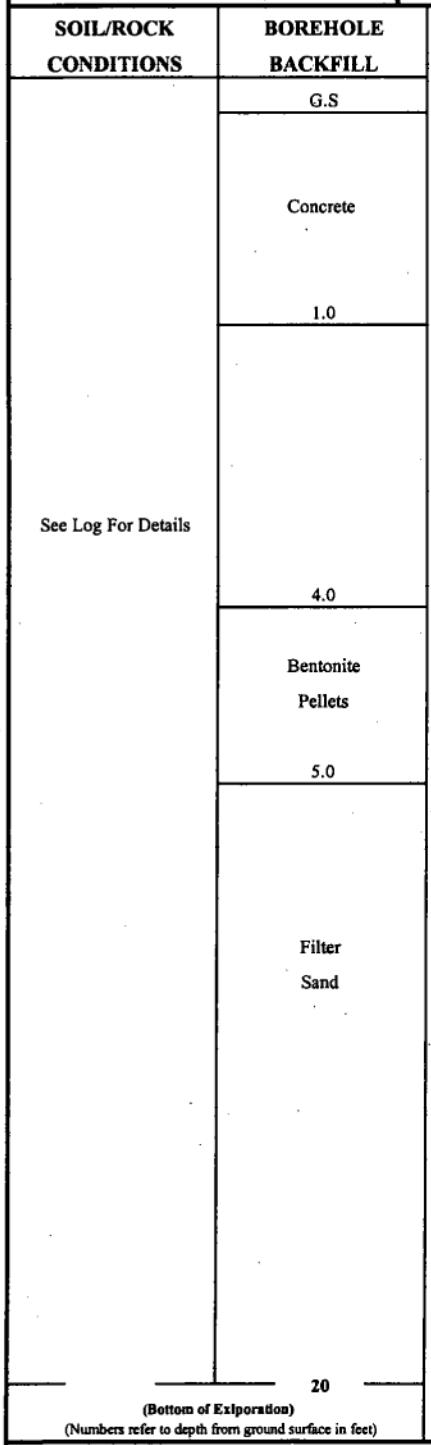
Boring No. HA-2(OW)

PROJECT	Proposed Mixed Use Development	H&A FILE NO.	33637-000
LOCATION	New York, NY	PROJECT MGR.	T. Crowl
CLIENT	4566 Broadway, LLC	FIELD REP.	M. Pascal
CONTRACTOR	Craig Test Boring Co. Inc	DATE INSTALLED	10/3/2006
DRILLER	Dave Cook	WATER LEVEL	

Ground El. 32.6 ft
El. Datum Manhattan Highway

Location SW corner of parking lot

☐ Guard Pipe
☑ Roadway Box



Type of protective cover/lock	Roadway Box
Height/Depth of top of guard pipe/roadway box above/below ground surface	0.0 ft
Depth of top of riser pipe below ground surface	0.25 ft
Type of protective casing:	Steel Roadway Box
Length	0.5 ft
Inside Diameter	6.0 in
Depth of bottom of roadway box	0.5 ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	0	1.0
Bentonite Pellets	4.0	1.0

Type of riser pipe:	Sch 40 PVC Solid Riser
Inside diameter of riser pipe	2.0 in
Type of backfill around riser	#1 Filter Sand & Bentonite Pellets
Diameter of borehole	4.0 in
Depth to top of well screen	10.0 ft
Type of screen	Sch 40 PVC Well Screen
Screen gauge or size of openings	0.010 in
Diameter of screen	2.0 in
Type of backfill around screen	# 1 Filter Sand
Depth of bottom of well screen	20.0 ft
Bottom of Silt trap	- ft
Depth of bottom of borehole	20.0 ft

(Not to Scale)

Riser Pay Length (L1)	+	Length of screen (L2)	+	Length of silt trap (L3)	=	Pay length
10 ft		10 ft		- ft		20 ft

COMMENTS:

Form # 3010

HALEY & ALDRICH

GROUNDWATER MONITORING REPORT

OW/PZ NUMBER
HA-2(OW)

PROJECT	Proposed Mixed Use Development	**H&A FILE NO.**	33637-000
LOCATION	New York, NY	**PROJECT MGR.**	T. Crowl
CLIENT	4566 Broadway, LLC	**FIELD REP.**	A. Granger
CONTRACTOR	Craig Test Boring Co., Inc.	**DATE**	10/13/2006

ELEVATION OF REFERENCE POINT 32.4

DESCRIPTION OF REFERENCE POINT ☐ PVC ☑ Roadway / Casing ☐ Ground Surface ☐ Other:

Date	Time	Elapsed Time (days)	Depth to Water from Reference Point	Elevation of Water	Remarks	Read By
10/13/2006	13:55	10	8.0	24.4		AG
10/16/2006	12:08	13	8.1	24.3		AG

TEST BORING REPORT

Boring No. HA-3

Project	Proposed Mixed Use Development New York, New York
Client	4566 Broadway LLC
Contractor	Craig Test Borings, Inc.

File No.	33637-000
Sheet No.	1 of 3
Start	October 2, 2006
Finish	October 2, 2006
Driller	D. Cook
H&A Rep.	M. Pascal
Elevation	34.00
Datum	Manhattan Highway
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	NX	Rig Make & Model: CME 75
Inside Diameter (in.)	4	1 3/8	2	Bit Type: Roller Bit
Hammer Weight (lb.)	140	140	-	Drill Mud: Polymer/Bentonite
Hammer Fall (in.)	30	30	-	Casing: Driven to 20 ft
				Hoist/Hammer: Winch / Automatic Hammer

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	37 12 7 5	S1 6	0.0 2.0	NO WELL INSTALLED		SM	Medium dense orange-brown silty coarse to fine SAND, trace fine gravel, with miscellaneous fill particles (11-65)	-	5	5	20	25	45	-	-	-	-
	5 3 3 4	S2 6	2.0 4.0			SM	Loose dark brown silty medium to fine SAND, trace fine gravel with mica fill particles (11-65)	-	5	5	20	40	30	-	-	-	-
5	2 1 2 6	S3 6	4.0 6.0			SM	Very loose brown silty medium to fine SAND, trace fine gravel with schist fragments (11-65)	-	5	5	20	40	30	-	-	-	-
	3 1 2 4	S4 6	6.0 8.0			SM	Very loose brown silty coarse to fine SAND, trace fine gravel, with asphalt fragments (11-65)	-	5	5	20	40	30	-	-	-	-
	1 1 1 1	S5 6	8.0 10.0			SP-SM	Very loose brown coarse to fine SAND, little silt, little gravel with asphalt fragments (11-65)	-	10	10	20	50	10	-	-	-	-
10	23 10 6 5	S6 4	10.0 12.0			GP-GM	Medium dense gray sandy coarse to fine GRAVEL, little silt, wet (11-65)	20	40	5	10	15	10	-	-	-	-
	4 7 6 18	S7 12	12.0 14.0			GP-GM	Medium dense brown sandy coarse to fine GRAVEL, little silt, with red brick pieces, slight organic odor (11-65)	20	30	10	15	15	10	-	-	-	-
15	40 13 12 7	S8 4	15.0 17.0		18.0 16.0	SM	Very dense brown silty coarse to fine SAND, little fine gravel (11-65) -FILL-	-	10	5	20	45	20	-	-	-	-
							-ALLUVIAL DEPOSITS-										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon
G	Geoprobe

Well Diagram: Riser Pipe, Screen, Filter Sand, Cuttings, Grout, Concrete, Bentonite Seal

Summary	
Overburden (lin. ft.)	37.0
Rock Cored (lin. ft.)	20.0
Samples	13S,4C

Boring No. HA-3

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None; Toughness: L-Low, M-Medium, H-High; Plasticity: N-Nonplastic, L-Low, M-Medium, H-High, V-Very High; Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (in.) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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TEST BORING REPORT

Boring No. HA-3
File No. 33637-000
Sheet No. 2 of 3

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20	100/3	S9	20.0		13.5	GP-GM	Very dense gray sandy fine GRAVEL, little silt, schist fragments (6-65)	-	45	10	15	20	10	-	-	-	-
		3 C1	20.5 20.5 25.5		20.5		-ALLUVIAL DEPOSITS- Hard, highly weathered, gray and gray-green, medium grained, MANHATTAN SCHIST. Foliation moderate angle. Low angle joint, rough, undulating, discolored, open (boulder) REC = 17 in./28%; RQD = 17 in./28% Drill Rates (min/ft) = 2,3,1,0.5,0.5										
25					8.5		-WEATHERED BOULDER-										
	13 19 27 38	S10 14	25.5 27.5		25.5	SP-SM	Dense brown coarse to fine SAND, little silt, trace coarse gravel (7-65)	5	-	5	30	50	10	-	-	-	-
30	20 42 51 55	S11 14	30.0 32.0			SP	Very dense red-brown medium to fine SAND, little gravel, trace silt (7-65)	5	5	-	35	50	5	-	-	-	-
35					-1.0		-GLACIOFLUVIAL DEPOSITS-										
	20 35 48 100/5	S12 12	35.0 37.0		35.0	SM	Very dense brown to green silty medium to fine SAND, some coarse to fine gravel (6-65)	10	15	-	15	30	30	-	-	-	-
40	100/2	S13 2	40.0 40.2			SM	Similar to S13 (6-65)	10	15	-	15	30	30	-	-	-	-
							-DECOMPOSED BEDROCK-										
45							SEE CORE BORING REPORT FOR ROCK DETAILS										

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

USCS_TB4 USCSLIB4.GLB USCS_TB5.GDT G:\33637 - 4566 BROADWAY\000\DATABASES\2006-1004-GINT5 33637000TB+C.GPJ Nov 10, 06

HALEY & ALDRICH

CORE BORING REPORT

Boring No. HA-3
File No. 33637-000
Sheet No. 3 of 3

Depth (ft)	Drilling Rate Min./ft	Run No.	Depth (ft)	Recovery/RQD in.	Recovery/RQD %	Weathering	Well Diagram	Elev./ Depth (ft)	Visual Description and Remarks
									SEE TEST BORING REPORT FOR OVERBURDEN DETAILS
		C2	42.0 47.0	60 57	100 95		NO WELL INSTALLED	-8.0 42.0	Hard, slightly weathered, gray, yellow and light brown, medium grained INWOOD MARBLE. Low angle joint set moderate, rough, undulating, discolored,open. High angle joint rough, planar, discolored, tight. Moderate angle joint rough, undulating, discolored, open (2-65)
45		C3	47.0 52.0	16 0	27 0				Medium hard, highly weathered brown and gray-green medium grained MANHATTAN SCHIST. Joints not apparent. Possible fault zone (3-65)
50		C4	52.0 57.0	57 74	95 57				Hard, slightly to moderately weathered, gray, green-gray and brown, medium grained MANHATTAN SCHIST. Foliation high angle. Low angle joint set very close to close, rough, undulating, discolored to decomposed, open. Moderate angle joint set moderate rough, undulating, discolored, open (2-65)
55									-BEDROCK-
								-23.0 57.0	Bottom of exploration at 57.0 ft

H+A_CORE+WELL4 USCSLIB4.GLB USCS_TB5.GDT G:\33637 - 4566 BROADWAY\000\DATABASES\2006-1004-GINT5 33637000TB+C.GPJ Nov 10, 06

TEST BORING REPORT

Boring No. HA-4

Project	Proposed Mixed Use Development New York, New York
Client	4566 Broadway LLC
Contractor	Craig Test Borings, Inc.

File No.	33637-000
Sheet No.	1 of 4
Start	September 29, 2006
Finish	September 29, 2006
Driller	D. Cook
H&A Rep.	M. Pascal
Elevation	32.00
Datum	Manhattan Highway
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	NX	Rig Make & Model: CME 75
Inside Diameter (in.)	4	1 3/8	2	Bit Type: Roller Bit
Hammer Weight (lb.)	140	140	-	Drill Mud: Bentonite
Hammer Fall (in.)	30	30	-	Casing: Driven to 20 ft
				Hoist/Hammer: Winch / Automatic Hammer

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	15 19 14 15	S1 10	0.0 2.0	NO WELL INSTALLED		SM	Medium dense dark brown silty medium to fine SAND, little coarse gravel, with wood and glass fragments (11-65)	10	-	-	30	30	30	-	-	-	-
	8 7 5 4	S2 8	2.0 4.0			SM	Medium dense brown silty coarse to fine SAND, little coarse to fine gravel, with asphalt and wood fragments (11-65)	5	5	5	25	30	30	-	-	-	-
5	5 6 4 3	S3 6	4.0 6.0			SM	Loose brown and green silty medium to fine SAND, little coarse to fine gravel, with red-brick particles, slight organic odor (11-65)	5	10	-	15	30	40	-	-	-	-
	3 10 15 14	S4 6	6.0 8.0			SM	Medium dense brown silty coarse to fine SAND, coarse to fine gravel, with red-brick particles, rock shavings, slight odor (11-65)	10	10	10	20	20	30	-	-	-	-
	8 4 4 6	S5 12	8.0 10.0			SM	Loose brown silty medium to fine SAND, little fine gravel, with glass, strong petrochemical odor (11-65)	-	10	-	20	50	20	-	-	-	-
10	woh woh 1 1	S6 5	10.0 12.0			SM	Very loose brown medium to fine SAND, little silt, strong odor, wet (11-65)	-	-	-	20	65	15	-	-	-	-
					20.0 12.0		-FILL-										
15	3 4 3 2	S7 6	15.0 17.0			SP- SM	Loose brown medium to fine SAND, little silt, trace fine gravel, wet (8-65)	-	5	-	20	65	10	-	-	-	-
							-GLACIOFLUVIAL DEPOSITS-										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

- O Open End Rod
- T Thin Wall Tube
- U Undisturbed Sample
- S Split Spoon
- G Geoprobe

Well Diagram

Riser Pipe, Screen, Filter Sand, Cuttings, Grout, Concrete, Bentonite Seal

Summary

Overburden (lin. ft.)	55.0
Rock Cored (lin. ft.)	10.0
Samples	14S,2C

Boring No. HA-4

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None; Toughness: L-Low, M-Medium, H-High; Plasticity: N-Nonplastic, L-Low, M-Medium, H-High; Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (in.) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

USCS_TB4 USCSLIB4.GLB USCS_TB5.GDT G:\33637 - 4566 BROADWAY\0000\DATABASES\2006-1004-GINT5 33637000TB+C.GPJ Nov 10, 06

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TEST BORING REPORT

Boring No. HA-4
File No. 33637-000
Sheet No. 2 of 4

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20	2 3 3 3	S8 6	20.0 22.0			SM	Loose dark brown medium to fine SAND, little silt (8-65)	-	-	-	10	75	15	-	-	-	-
25	9 11 11 8	S9 12	25.0 27.0			SP-SM	Medium dense red-brown medium to fine SAND, little silt (8-65)	-	-	-	15	75	10	-	-	-	-
					4.5 27.5												
							-GLACIOFLUVIAL DEPOSITS-										
30	3 4 8 1	S10 12	30.0 32.0			SP-SM	Medium dense varved red-brown medium to fine SAND and CLAY, little silt (7-65)	-	-	5	30	55	10	-	-	-	-
35	8 2 3 5	S11 12	35.0 37.0			SP-SM	Loose varved light brown coarse to fine SAND and CLAY, little silt (7-65)	-	-	10	15	65	10	-	-	-	-
					-8.0		-GLACIOFLUVIAL DEPOSITS-										
40	7 10 13 15	S12	40.0 42.0		40.0	ML	Medium dense yellow-brown SILT with some sand seams (10-65)	-	-	-	10	10	80	-	-	-	-
45	14 18 100/3	S13 12	45.0 47.0			SM	Very dense red-brown silty coarse to fine SAND, little coarse to fine gravel (6-65)	10	10	10	15	25	30	-	-	-	-
							-DECOMPOSED BEDROCK-										

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

USCS_TB4 USCSLIB4.GLB USCS_TB5.GDT G:\33637 - 4566 BROADWAY\0000DATABASES\2006-1004-GINT5 33637000TB+C.GPJ Nov 10, 06

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TEST BORING REPORT

Boring No. HA-4
File No. 33637-000
Sheet No. 3 of 4

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
50	~~100/4~~	~~S14~~ 4	~~50.0~~ 50.3			SP-SM	Very dense brown coarse to fine SAND, little silt, little fine gravel (7-65)	-	10	5	15	60	10	-	-	-	-
							Note: Advanced roller bit to 55.0 ft and began coring										
							-DECOMPOSED BEDROCK-										
55							SEE CORE BORING REPORT FOR ROCK DETAILS										
60																	
65																	

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

USCS_TB4 USCSLIB4.GLB USCS_TB5.GDT G:\33637 - 4566 BROADWAY\000\DATABASES\2006-1004-GINT5 33637000TB+C.GPJ Nov 10, 06

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CORE BORING REPORT

Boring No. HA-4
File No. 33637-000
Sheet No. 4 of 4

Depth (ft)	Drilling Rate Min./ft	Run No.	Depth (ft)	Recovery/RQD in.	Recovery/RQD %	Weathering	Well Diagram	Elev./ Depth (ft)	Visual Description and Remarks
									SEE TEST BORING REPORT FOR OVERBURDEN DETAILS
55	3.0	C1	55.0 60.0	11 11	18 18		NO WELL INSTALLED	-23.0 55.0	Medium to hard, highly weathered, gray and light brown medium grained INWOOD MARBLE. Low angle joint, rough, undulating, discolored, open (2-65)
	3.0								
	3.0								
	3.0								
	3.0								
60	3.0	C2	60.0 65.0	44 34	73 56				Medium to hard, moderately weathered, gray and light brown medium grained INWOOD MARBLE. Low angle joint set very close to moderate, rough, undulating, discolored, open. High angle joint set very close, rough, undulating, discolored, tight to open. Moderate angle joint rough, planar, discolored, open (2-65)
	2.0								
	2.0								
	2.0								
	2.0							-33.0	-BEDROCK-
65								65.0	Bottom of exploration at 65.0 ft

H+A_CORE+WELL4 USCSLIB4.GLB USCS_TB5.GDT G:\33637 - 4506 BROADWAY\000\DATABASES\2006-1004-GINT5 33637000TB+C.GPJ Nov 10, 06

HALEY & ALDRICH

TEST BORING REPORT

Boring No. HA-5

Project	Proposed Mixed Use Development New York, New York
Client	4566 Broadway LLC
Contractor	Craig Test Borings, Inc.

File No.	33637-000
Sheet No.	1 of 3
Start	September 29, 2006
Finish	October 2, 2006
Driller	D. Cook
H&A Rep.	M. Pascal
Elevation	31.00
Datum	Manhattan Highway
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	NX	Rig Make & Model: CME 75
Inside Diameter (in.)	4	1 3/8	2	Bit Type: Roller Bit
Hammer Weight (lb.)	140	140	-	Drill Mud: Polymer
Hammer Fall (in.)	30	30	-	Casing: Driven to 15 ft
				Hoist/Hammer: Winch / Automatic Hammer

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	8 10 8 12	S1 12	0.0 2.0			SM	Medium dense brown silty coarse to fine SAND, trace fine gravel, with red brick fragments (11-65)	-	5	5	20	30	40	-	-	-	-
	10 25 12 12	S2 8	2.0 4.0			SM	Dense brown silty coarse to fine SAND, little coarse to fine gravel with rock fragments (11-65)	10	10	5	20	20	35	-	-	-	-
5	7 7 6 8	S3 3	4.0 6.0			SM	Similar to S2, except medium dense, petrochemical odor (11-65)	5	10	10	20	25	30	-	-	-	-
	5 7 7 11	S4 12	6.0 8.0	NO WELL INSTALLED		SM	Medium dense dark brown silty coarse to fine SAND, trace fine gravel, with rock fragments (11-65)	-	5	10	30	25	30	-	-	-	-
	7 10 11 16	S5 12	8.0 10.0			SM	Medium dense brown silty coarse to fine SAND, little gravel, strong petrochemical odor, free product, moist (11-65)	10	10	10	20	20	30	-	-	-	-
10	9 11 10 10	S6 4	10.0 12.0			GM	Medium dense brown sandy coarse to fine GRAVEL, little silt, wet (11-65)	20	25	5	10	20	20	-	-	-	-
					19.0 12.0		-FILL-										
15	7 8 5 5	S7 8	15.0 17.0			SP-SM	Medium dense yellow-brown coarse to fine SAND, little silt, wet (8-65) Note: Advanced roller bit to 20.0 ft and began coring	-	-	5	10	75	10	-	-	-	-
							-GLACIOFLUVIAL DEPOSITS-										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

- O Open End Rod
- T Thin Wall Tube
- U Undisturbed Sample
- S Split Spoon
- G Geoprobe

Well Diagram

Riser Pipe, Screen, Filter Sand, Cuttings, Grout, Concrete, Bentonite Seal

Summary

Overburden (lin. ft.)	20.0
Rock Cored (lin. ft.)	10.0
Samples	8S,2C
Boring No.	**HA-5**

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (in.) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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USCS_TB5.GDT USCSLIB4.GLB USCS_TB4

HALEY & ALDRICH

TEST BORING REPORT

Boring No. HA-5
File No. 33637-000
Sheet No. 2 of 3

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
							-GLACIOFLUVIAL DEPOSITS-										
20							SEE CORE BORING REPORT FOR ROCK DETAILS										
25																	
30																	

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

CORE BORING REPORT

Boring No. HA-5
File No. 33637-000
Sheet No. 3 of 3

Depth (ft)	Drilling Rate Min./ft	Run No.	Depth (ft)	Recovery/RQD in.	Recovery/RQD %	Weathering	Well Diagram	Elev./ Depth (ft)	Visual Description and Remarks
									SEE TEST BORING REPORT FOR OVERBURDEN DETAILS
20	6.0	C1	20.0 25.0	58 58	97 97		NO WELL INSTALLED	11.0 20.0	Hard, slightly weathered, gray and light brown, medium grained INWOOD MARBLE. Moderate angle joint set moderate, rough, undulating, discolored, open. Low angle joint, rough, undulating, discolored, open (2-65)
	4.0								
	5.0								
	4.0								
	4.0								
25	3.0	C2	25.0 30.0	58 45	97 75				Similar to C1, except low angle joint set close to moderate, rough, undulating, discolored, open. Moderate angle joint set moderate, rough, undulating, discolored, tight to open. Moderate angle joint rough, planar, discolored, open. High angle joint rough, undulating, discolored, open (2-65)
	3.0								
	4.0								
	4.0								
	3.0							1.0	-BEDROCK-
30								30.0	Bottom of exploration at 30.0 ft

H+A_CORE+WELL4 USCSLIB4.GLB USCS_TB5.GDT G:\33637 - 4566 BROADWAY\000\DATABASES\2006-1004-GINT5 33637000TB+C.GPJ Nov 10, 06

HALEY & ALDRICH

TEST BORING REPORT

Boring No. HA-6(OW)

Project	Proposed Mixed Use Development New York, New York
Client	4566 Broadway LLC
Contractor	Craig Test Borings, Inc.

File No.	33637-000
Sheet No.	1 of 4
Start	October 4, 2006
Finish	October 4, 2006
Driller	D. Cook
H&A Rep.	M. Pascal
Elevation	30.40
Datum	Manhattan Highway
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	NX	Rig Make & Model: CME 75
Inside Diameter (in.)	4	1 3/8	2	Bit Type: Roller Bit
Hammer Weight (lb.)	140	140	-	Drill Mud: Polymer
Hammer Fall (in.)	30	30	-	Casing: Driven to 20 ft
				Hoist/Hammer: Winch / Automatic Hammer

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	6 15 6 8	S1 12	0.0 2.0			SP	Medium dense brown medium to fine SAND, little coarse gravel, trace silt, with pockets of silty sand (11-65)	10	-	-	30	55	5	-	-	-	-
	5 4 3 15	S2 12	2.0 4.0			SM	Loose brown silty medium to fine SAND (11-65)	-	-	-	20	35	45	-	-	-	-
5	6 4 2 1	S3 3	4.0 6.0			SM	Similar to S2, moist (11-65)	-	-	-	25	30	45	-	-	-	-
	2 2 2 60	S4 2	6.0 8.0			SM	Similar to S2, with rock fragments in tip of spoon (11-65)	-	-	-	20	35	45	-	-	-	-
	4 7 6 8	S5 6	8.0 10.0			SM	Medium dense brown to gray silty coarse to fine SAND, some coarse to fine gravel, (gravel in tip wet) (11-65)	10	15	10	15	25	25	-	-	-	-
10	3 7 9 7	S6 2	10.0 12.0														
	6 4 3 4	S7 4	12.0 14.0			GP-GM	Medium dense gray sandy coarse to fine GRAVEL, strong petrochemical odor (11-65)	15	25	10	25	15	10	-	-	-	-
15	9 3 2 1	S8 12	15.0 17.0			SP-SM	Loose gray medium to fine SAND and SILT, strong odor (11-65)	-	-	-	20	70	10	-	-	-	-
					13.4 17.0		-FILL-										
							-GLACIOFLUVIAL DEPOSITS-										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water
See Observation Well Report					

Sample Identification	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon
G	Geoprobe

Well Diagram: Riser Pipe, Screen, Filter Sand, Cuttings, Grout, Concrete, Bentonite Seal

Summary	
Overburden (lin. ft.)	54.0
Rock Cored (lin. ft.)	10.0
Samples	14S,2C
Boring No.	**HA-6(OW)**

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None; Toughness: L-Low, M-Medium, H-High; Plasticity: N-Nonplastic, L-Low, M-Medium, H-High, V-Very High; Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (in.) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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TEST BORING REPORT

Boring No. HA-6(OW)
File No. 33637-000
Sheet No. 2 of 4

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20	3 3 3 3	S9 12	20.0 22.0			SP-SM	Loose gray fine SAND, little silt (8-65)	-	-	-	20	70	10	-	-	-	-
25	6 9 9 10	S10 12	25.0 27.0			SP-SM	Medium dense red-brown coarse to fine SAND, little silt, with pockets of silty sand (7-65)	-	-	30	40	20	10	-	-	-	-
30	5 7 8 7	S11 12	30.0 32.0			ML	Medium dense red-brown SILT (10-65)	-	-	-	-	25	75	-	-	-	-
35	1 1 5 5	S12 12	35.0 37.0			ML	Loose light brown red-brown SILT (10-65)	-	-	-	-	25	75	-	-	-	-
40	3 2 5 5	S13 13	40.0 42.0			ML	Medium stiff varved clayey SILT and fine sand (10-65)	-	-	-	10	20	70	-	-	-	-
					-14.6		-GLACIOFLUVIAL DEPOSITS-										
45	13 20 15 13	S14 10	45.0 47.0		45.0	SM	Dense brown to gray silty coarse to fine SAND, little fine gravel (7-65) -DECOMPOSED BEDROCK-	-	10	10	25	35	20	-	-	-	-

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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TEST BORING REPORT

Boring No. HA-6(OW)
File No. 33637-000
Sheet No. 3 of 4

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
50	28 100/5	S15 9	50.0 51.0			SM	Very dense brown to gray silty coarse to fine SAND, little fine gravel (7-65)	-	10	10	25	35	20	-	-	-	-
							-DECOMPOSED BEDROCK-										
55							SEE CORE BORING REPORT FOR ROCK DETAILS										
60																	

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

USCS_TB4 USCSLIB4.GLB USCS_TB5.GDT G:\33637 - 4566 BROADWAY\000\DATABASES\2006-1004-GINT5 33637000TB+C.GPJ Nov 10, 06

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CORE BORING REPORT

Boring No. HA-6(OW)
File No. 33637-000
Sheet No. 4 of 4

Depth (ft)	Drilling Rate Min./ft	Run No.	Depth (ft)	Recovery/RQD in.	Recovery/RQD %	Weathering	Well Diagram	Elev./ Depth (ft)	Visual Description and Remarks
									SEE TEST BORING REPORT FOR OVERBURDEN DETAILS
	4.0	C1	54.0 59.0	58 58	97 97			-23.6 54.0	Hard, slightly weathered, gray, gray-green and light brown, medium to coarse grained MANHATTAN SCHIST. Foliation is high angle. Low angle joint set, moderate to wide, rough, undulating, discolored, open. Moderate angle joint, rough, undulating, discolored,open. Second moderate angle joint is rough, undulating, discolored, open (1-65)
55	4.0								Note: Installed observation well in completed borehole. Refer to Groundwater Observation Well Installation Report for details
	4.0								
	4.0								
	4.0								
	4.0	C2	59.0 64.0	60 47	100 78				Similar to C1 (1-65)
60	4.0								
	4.0								
	3.0								
	3.0							-33.6	-BEDROCK-
								64.0	Bottom of exploration at 64.0 ft Note: Installed observation well in compelted borehole. Refer to Groundwater Observation Well Installation Report for details

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HALEY & ALDRICH

OBSERVATION WELL INSTALLATION REPORT

Well No. HA-6(OW)
Boring No. HA-6(OW)

PROJECT	Proposed Mixed Use Development	H&A FILE NO.	33637-000
LOCATION	New York, NY	PROJECT MGR.	T. Crowl
CLIENT	4566 Broadway, LLC	FIELD REP.	M. Pascal
CONTRACTOR	Craig Test Boring Co. Inc	DATE INSTALLED	10/4/2006
DRILLER	Dave Cook	WATER LEVEL	

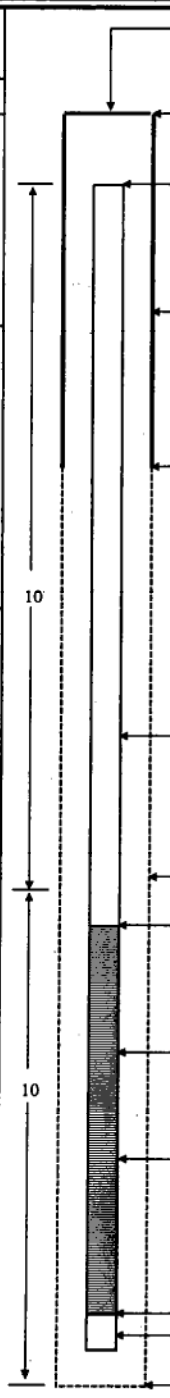
Ground El. 30.4 ft
El. Datum Manahattan Highway

Location: SE corner of parling lot

☐ Guard Pipe
☑ Roadway Box

SOIL/ROCK CONDITIONS	BOREHOLE BACKFILL
	G.S
	Concrete
	1.0
See Log For Details	
	4.0
	Bentonite Pellets
	5.0
	Filter Sand
	20
	(Bottom of Exlporation)

(Numbers refer to depth from ground surface in feet)



(Not to Scale)

Type of protective cover/lock: Roadway Box

Height/Depth of top of guard pipe/roadway box above/below ground surface: 0.0 ft

Depth of top of riser pipe below ground surface: 0.2 ft

Type of protective casing: Steel Roadway Box
- Length: 0.5 ft
- Inside Diameter: 6.0 in

Depth of bottom of guard pipe/roadway box: 0.5 ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	0	1.0
Bentonite Pellets	4.0	1.0

Type of riser pipe: Sch 40 PVC Solid Riser
- Inside diameter of riser pipe: 2.0 in
- Type of backfill around riser: # 1 Filter Sand & Bentonite Pellets

Diameter of borehole: 4.0 in

Depth to top of well screen: 10.0 ft

Type of screen: Sch 40 PVC Well Screen
- Screen gauge or size of openings: 0.010 in
- Diameter of screen: 2.0 in

Type of backfill around screen: # 1 Filter Sand

Depth of bottom of well screen: 20.0 ft

Bottom of Silt trap: - ft

Depth of bottom of borehole: 20.0 ft

10 ft	+	10 ft	+	- ft	=	20 ft
Riser Pay Length (L1)		Length of screen (L2)		Length of silt trap (L3)		Pay length

COMMENTS:

Form # 3010

HALEY & ALDRICH

GROUNDWATER MONITORING REPORT

OW/PZ NUMBER
HA-6(OW)

PROJECT	Proposed Mixed Use Development	**H&A FILE NO.**	33637-000
LOCATION	New York, NY	**PROJECT MGR.**	T. Crowl
CLIENT	4566 Broadway, LLC	**FIELD REP.**	A. Granger
CONTRACTOR	Craig Test Boring Co., Inc.	**DATE**	10/12/2006

ELEVATION OF REFERENCE POINT 30.2

DESCRIPTION OF REFERENCE POINT ☐ PVC ☑ Roadway / Casing ☐ Ground Surface ☐ Other:

Date	Time	Elapsed Time (days)	Depth to Water from Reference Point	Elevation of Water	Remarks	Read By
10/12/2006	7:10	8	8.2	22.0		AG
10/13/2006	13:50	9	8.2	22.0		AG
10/16/2006	12:05	10	8.2	22.0		AG

HALEY & ALDRICH

TEST BORING REPORT

Boring No. HA-7

Project Proposed Mixed Use Development New York, New York
Client 4566 Broadway LLC
Contractor Craig Test Borings, Inc.

File No. 33637-000
Sheet No. 1 of 3
Start October 12, 2006
Finish October 12, 2006
Driller D. Cook
H&A Rep. A. Granger
Elevation 34.00
Datum Manhattan Highway
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	NX	Rig Make & Model: CME 75
Inside Diameter (in.)	4	1 3/8	2	Bit Type: Roller Bit
Hammer Weight (lb.)	140	140	-	Drill Mud: Bentonite
Hammer Fall (in.)	30	30	-	Casing: Driven to 15 ft
				Hoist/Hammer: Winch / Automatic Hammer

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	65 45 6 14	S1 12	0.0 2.0			SM	Very dense brown and gray silty coarse to fine SAND,little cores to fine gravel, with concrete fragments (11-65)	5	10	5	20	30	30	-	-	-	-
	8 6 1 3	S2 4	2.0 4.0			SM	Loose brown and gray silty coarse to fine SAND, trace fine gravel (11-65)	-	5	10	20	35	30	-	-	-	-
5	23 4 3 30	S3 6	4.0 6.0			SM	Loose brown and gray silty coarse to fine SAND, little coarse to fine gravel, with concrete fragments (11-65)	5	5	5	20	40	25	-	-	-	-
	11 4 3 3	S4 10	6.0 8.0			SM	Loose dark brown and brown silty coarse to fine SAND, trace vine gravel, with brick fragments, wet (11-65)	-	5	15	15	35	30	-	-	-	-
	3 2 2 3	S5 12	8.0 10.0			SM	Very loose brown silty coarse to fine SAND, with glass particles (11-65)	-	-	5	15	35	45	-	-	-	-
10	1 2 100/4	S6 4	10.0 11.3	NO WELL INSTALLED		SM	Very dense brown silty coarse to fine SAND, trace coarse gravel (11-65) Note: Refusal at 11.3 ft. Advanced roller bit through boulder from 11.3 to 14.0 ft	5	-	5	20	30	40	-	-	-	-
					20.0		-FILL-										
	28 64 100/5	S7 15	14.0 15.4		14.0	SP-SM	Very dense tan, light brown and red-brown medium to fine SAND, little silt, trace fine gravel (7-65) (possible weathered rock)	-	5	-	30	55	10	-	-	-	-
15																	
	~~100/3~~	~~S8~~ 3	~~16.0~~ 16.3			SM	Very dense tan to brown coarse to fine SAND, little silt (7-65)	-	-	15	40	30	15	-	-	-	-
					15.0		-DECOMPOSED BEDROCK-										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 20.0
Rock Cored (lin. ft.) 10.0
Samples 8S,2C

Boring No. HA-7

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (in.) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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TEST BORING REPORT

Boring No. HA-7
File No. 33637-000
Sheet No. 2 of 3

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
					19.0		-DECOMPOSED BEDROCK-										
20							SEE CORE BORING REPORT FOR ROCK DETAILS										
25																	
30																	

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

USCS_TB4 USCSLIB4.GLB USCS_TB5.GDT G:\33637 - 4566 BROADWAY\000\DATABASES\2008-1004-GINT5 33637000TB+C.GPJ Nov 10, 06

HALEY & ALDRICH

CORE BORING REPORT

Boring No. HA-7
File No. 33637-000
Sheet No. 3 of 3

Depth (ft)	Drilling Rate Min./ft	Run No.	Depth (ft)	Recovery/RQD in.	Recovery/RQD %	Weathering	Well Diagram	Elev./ Depth (ft)	Visual Description and Remarks
									SEE TEST BORING REPORT FOR OVERBURDEN DETAILS
20	3.0	C1	20.0 25.0	45 30	75 50		NO WELL INSTALLED	14.0 20.0	Soft to medium, slightly to moderately weathered, light brown to gray, medium grained INWOOD MARBLE. Moderate angle joint set moderate, rough, planar, discolored to decomposed, open. Moderate angle joint rough undulating, discolored, tight. low angle joint set close to moderate, rough, undulating, discolored, open (4-65)
	2.0								
	1.0								
	1.5								
	1.0								
25	2.0	C2	25.0 30.0	59 43	98 72				Medium, slightly weathered, gray and light brown, medium grained INWOOD MARBLE. High angle joint set, very close, rough, undulating, discolored, tight to open. Moderate angle joint set, moderate, rough, planar, discolored, right to open., Low angle joint set, moderate, rough, undulating, discolored, open (3-65)
	1.0								
	1.5								
	1.0							4.0	-BEDROCK-
30								30.0	Bottom of exploration at 30.0 ft

H+A_CORE+WELL4 USCSLIB4.GLB USCS_TB5.GDT G:\33637 - 4566 BROADWAY\000\DATABASES\2006-1004-GINT5 33637000TB+C.GPJ Nov 10, 06

HALEY & ALDRICH

TEST BORING REPORT

Boring No. HA-8

Project	Proposed Mixed Use Development New York, New York
Client	4566 Broadway LLC
Contractor	Craig Test Borings, Inc.

File No.	33637-000
Sheet No.	1 of 4
Start	October 13, 2006
Finish	October 16, 2006
Driller	D. Cook
H&A Rep.	A. Granger
Elevation	32.80
Datum	Manhattan Highway
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	NX	Rig Make & Model: CME 75
Inside Diameter (in.)	4	1 3/8	2	Bit Type: Roller Bit
Hammer Weight (lb.)	140	140	-	Drill Mud: Bentonite
Hammer Fall (in.)	30	30	-	Casing: Driven to 15 ft
				Hoist/Hammer: Winch / Automatic Hammer

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	12 13 14 12	S1 7	0.0 2.0	NO WELL INSTALLED		SM	Medium dense brown and gray silty coarse to fine SANd, trace fine gravel, with concrete fragments (11-65)	5	-	10	20	35	30	-	-	-	-
	17 14 13 11	S2 8	2.0 4.0			GM	Medium dense gray and brown silty coarse to fine GRAVEL, some coarse to fine sand, with concrete fragments (11-65)	30	10	10	10	15	25	-	-	-	-
5	6 3 4 3	S3 7	4.0 6.0			SM	Loose brown and gray, silty coarse to fine SAND, little coarse to fine gravel, with concrete fragments (11-65)	5	10	10	20	25	30	-	-	-	-
	26 94 19 6	S4 2	6.0 8.0			SM	Very dense brown coarse to fine SAND, little coarse to fine gravel (11-65)	5	5	15	20	40	15	-	-	-	-
	8 11 16 14	S5 4	8.0 10.0			SM	Medium dense brown silty coarse to fine SAND, little fine gravel, dry to moist (11-65)	-	10	5	15	50	20	-	-	-	-
10	2 1 2 1	S6 9	10.0 12.0			SM	Very loose dark brown silty coarse to fine SANd, trace fine gravel, with brick fragments, wet (11-65)	-	5	15	15	30	35	-	-	-	-
	2 1 1 1	S7 0	12.0 14.0				No recovery										
15	3 3 4 3	S8 1	14.0 16.0			SM	Loose dark brown silty coarse to fine SAND, some coarse gravel (11-65)	30	-	10	10	20	30	-	-	-	-
	3 4 4 4	S9 20	16.0 18.0			SM	Loose dark brown to brown silty coarse to fine SAND, little coarse to fine gravel (11-65)	5	10	5	10	30	40	-	-	-	
							-FILL-										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

- O Open End Rod
- T Thin Wall Tube
- U Undisturbed Sample
- S Split Spoon
- G Geoprobe

Well Diagram

Riser Pipe, Screen, Filter Sand, Cuttings, Grout, Concrete, Bentonite Seal

Summary

Overburden (lin. ft.)	50.0
Rock Cored (lin. ft.)	10.0
Samples	15S,2C

Boring No. HA-8

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None; Toughness: L-Low, M-Medium, H-High; Plasticity: N-Nonplastic, L-Low, M-Medium, H-High, V-Very High; Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (in.) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

USCS_TB4 USCSLIB4.GLB USCS_TB5.GDT G:\33637 - 4566 BROADWAY\000\DATABASES\2006-1004-GINT5 33637000TB+C.GPJ Nov 10, 06

HALEY & ALDRICH

TEST BORING REPORT

Boring No. HA-8
File No. 33637-000
Sheet No. 2 of 4

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20	woh/18 2	S10 17	20.0 22.0			SM	Very loose dark brown to black silty medium to fine SAND, high organic odor (11-65)	-	-	-	10	65	25	-	-	-	-
					9.8		-FILL-										
					23.0												
25	6 7 8 10	S11 10	25.0 27.0			SM	Medium dense brown silty coarse to fine SAND with 1/4 in. silt seam (7-65)	-	-	5	10	55	30	-	-	-	-
30	4 6 5 6	S12 14	30.0 32.0			SM	Medium dense brown coarse to fine SAND (7-65)	-	-	15	25	40	20	-	-	-	-
35	5 6 6 5	S13 20	35.0 37.0			SM	Similar to S12 with 1/2 in. red-brown silt seam (7-65)	-	-	10	25	40	25	-	-	-	-
40	8 10 18 44	S14 18	40.0 42.0			SM	Medium dense brown silty coarse to fine SAND with mica fragments (7-65)	-	-	5	15	50	30	-	-	-	-
					-10.2		-GLACIOFLUVIAL DEPOSITS-										
					43.0												
45	13 14 8 8	S15 8	45.0 47.0			SM	Medium dense brown silty coarse to fine SAND, little coarse to fine gravel (7-65)	5	5	10	25	35	20	-	-	-	-
							-DECOMPOSED BEDROCK-										

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. HA-8

USCS_TB4 USCSLIB4.GLB USCS_TB5.GDT G:\33637 - 4566 BROADWAY\6000\DATABASES\2006-1004-GINT5 33637000TB+C.GPJ Nov 10, 06

HALEY & ALDRICH

TEST BORING REPORT

Boring No. HA-8
File No. 33637-000
Sheet No. 3 of 4

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
					-15.2 48.0		-DECOMPOSED BEDROCK-										
50							SEE CORE BORING REPORT FOR ROCK DETAILS										
55																	
60																	

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

USCS_TB4 USCSLIB4.GLB USCS_TB5.GDT G:\33637 - 4566 BROADWAY\000\DATABASES\2006-1004-GINT5 33637000TB+C.GPJ Nov 10, 06

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CORE BORING REPORT

Boring No. HA-8
File No. 33637-000
Sheet No. 4 of 4

Depth (ft)	Drilling Rate Min./ft	Run No.	Depth (ft)	Recovery/RQD in.	Recovery/RQD %	Weathering	Well Diagram	Elev./ Depth (ft)	Visual Description and Remarks
									SEE TEST BORING REPORT FOR OVERBURDEN DETAILS
50	2.5	C1	50.0 55.0	56 56	93 93		NO WELL INSTALLED		Hard, slightly weathered, gray, gray-green and light brown medium to coarse grained MANHATTAN SCHIST. Foliation moderate angle along joint plane. Moderate angle joint set close to wide, rough, undulating, discolored to decomposed, tight to open (1-65)
	3.5								
	6.0								
	4.5								
	4.0								
55	3.5	C2	55.0 60.0	60 47	100 78				Similar to C1. Low angle joint set close to wide, rough, undulating, discolored, open. High angle joint set very close, rough, undulating, discolored, tight. moderate angle joint set. Moderate, rough, undulating, discolored to decomposed, open (1-65)
	6.5								
	5.5								
	5.0								
	4.5							-27.2	-BEDROCK-
60								60.0	Bottom of exploration at 60.0 ft

H+A_CORE+WELL4 USCSLIB4.GLB USCS_TB5.GDT G:\33637 - 4566 BROADWAY\000\DATABASES\2006-1004-GINT5 33637000TB+C.GPJ Nov 10, 06

TEST BORING REPORT

Boring No. HA-9

Project	Proposed Mixed Use Development New York, New York
Client	4566 Broadway LLC
Contractor	Craig Test Borings, Inc.

File No.	33637-000
Sheet No.	1 of 4
Start	October 12, 2006
Finish	October 13, 2006
Driller	D. Cook
H&A Rep.	A. Granger
Elevation	30.90
Datum	Manhattan Highway
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	NX	Rig Make & Model: CME 75
Inside Diameter (in.)	4	1 3/8	2	Bit Type: Roller Bit
Hammer Weight (lb.)	140	140	-	Drill Mud: Bentonite
Hammer Fall (in.)	30	30	-	Casing: Driven to 20 ft
				Hoist/Hammer: Winch / Automatic Hammer

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	35 28 62 100/3	S1 9	0.0 1.8			SM	Very dense brown and gray, silty coarse to fine SAND, little coarse to fine gravel, with brick particles and concrete fragments (11-65) Note: Advanced roller bit through concrete from 1.75 to 5.0 ft	5	5	20	15	25	30	-	-	-	-
5	5 7 3 4	S2 8	5.0 7.0			SM	Loose brown silty coarse to fine SAND, little coarse to fine gravel, with concrete fragments (11-65)	5	10	15	20	25	25	-	-	-	-
	5 6 3 3	S3 4	7.0 9.0	NO WELL INSTALLED		SM	Loose light brown coarse to fine SAND, little silt, trace fine gravel, with brick and concrete fragments, wet (11-65)	-	5	30	20	30	15	-	-	-	-
10	2 4 4 3	S4 3	9.0 11.0			SM	Similar to S3, except little coarse to fine gravel (11-65)	10	5	25	20	25	15	-	-	-	-
	6 7 9 13	S5 4	11.0 13.0			GM	Medium dense dark brown sandy coarse to fine GRAVEL, little silt (11-65) Note: Coarse gravel/rock fragments are mica schist and marble	50	10	-	5	20	15	-	-	-	-
	4 14 25 5	S6 3	13.0 15.0			SM	Dense dark brown silty coarse to fine SAND, some coarse to fine gravel, with brick fragments (11-65)	20	10	5	15	30	20	-	-	-	-
15	2 2 1 2	S7 3	15.0 17.0			SM	Very loose dark brown to black silty coarse to fine SAND, little coarse to fine gravel (11-65)	10	5	15	20	30	20	-	-	-	-
					13.9		-FILL-										
	1 2 1 1	S8 10	17.0 19.0		17.0	SM	Very loose dark brown to brown silty coarse to fine SAND, trace fine gravel (7-65)	-	5	10	20	25	40	-	-	-	-
							-ALLUVIAL DEPOSITS-										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon
G	Geoprobe

Well Diagram: Riser Pipe, Screen, Filter Sand, Cuttings, Grout, Concrete, Bentonite Seal

Summary	
Overburden (lin. ft.)	70.0
Rock Cored (lin. ft.)	10.0
Samples	17S,2C
Boring No.	**HA-9**

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (in.) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

TEST BORING REPORT

Boring No. HA-9
File No. 33637-000
Sheet No. 2 of 4

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
					10.9		-ALLUVIAL DEPOSITS-										
20	100/1	S9 0	20.0 20.1		20.0		No recovery Note: Advanced roller bit through boulder from 20.1 to 24.0 ft										
					6.9 24.0												
25	5 31 100/5	S10 12	25.0 26.4			SM	Very dense gray and brown silty coarse to fine SAND (7-65) Note: Drill action indicates gravel and/or cobbles	-	-	20	25	30	25	-	-	-	-
30	10 21 25 26	S11 17	30.0 32.0			SM	Dense brown and red-brown silty medium to fine SAND (8-65)	-	-	-	15	50	35	-	-	-	-
35	5 7 9 12	S12 20	35.0 37.0			SM	Medium dense yellow-brown silty medium to fine SAND (8-65)	-	-	-	5	75	20	-	-	-	-
40	7 24 20 21	S13 12	40.0 42.0			SM	Dense yellow-brown to gray-green silty coarse to fine SAND (8-65)	-	-	5	5	70	20	-	-	-	-
45	37 42 52 57	S14 22	45.0 47.0			SM	Similar to S13, except very dense (8-65) -DECOMPOSED BEDROCK-	-	-	5	5	70	20	-	-	-	-

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

USCS_TB4 USCSLIB4.GLB USCS_TB5.GDT G:\33637 - 4566 BROADWAY\000\DATABASES\2006-1004-GINT5 33637000TB+C.GPJ Nov 10, 06

HALEY & ALDRICH

TEST BORING REPORT

Boring No. HA-9
File No. 33637-000
Sheet No. 3 of 4

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
50	22 23 20 16	S15 14	50.0 52.0			SM	Dense dark brown, red-brown and gray-green silty medium to fine SAND (8-65)	-	-	-	5	65	30	-	-	-	-
55	7 13 18 20	S16 19	55.0 57.0			SM	Similar to S15 (8-65)	-	-	-	10	60	30	-	-	-	-
60	35 47 60 62	S17 20	60.0 62.0			SM	Very dense red-brown, gray-green and white (quartz) silty coarse to fine SAND, trace fine gravel (7-65)	-	5	10	15	45	25	-	-	-	-
65					-35.1		-DECOMPOSED BEDROCK-										
					66.0		Note: Advanced roller bit to 70.0 ft and began coring										
70							SEE CORE BORING REPORT FOR ROCK DETAILS										
75																	

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

USCS_TB4 USCSLIB4.GLB USCS_TB5.GDT G:\33637 - 4566 BROADWAY\0000\DATABASES\2006-1004-GINT5 33637000TB+C.GPJ Nov 10, 06

HALEY & ALDRICH

CORE BORING REPORT

Boring No. HA-9
File No. 33637-000
Sheet No. 4 of 4

Depth (ft)	Drilling Rate Min./ft	Run No.	Depth (ft)	Recovery/RQD in.	Recovery/RQD %	Weathering	Well Diagram	Elev./ Depth (ft)	Visual Description and Remarks
									SEE TEST BORING REPORT FOR OVERBURDEN DETAILS
70	5.0	C1	70.0 75.0	58 50	97 83		NO WELL INSTALLED	-39.1 70.0	Hard, slightly weathered, gray, gray-green and light brown medium to coarse grained MANHATTAN SCHIST. Foliation is high angle. Moderately dipping joint, rough, undulating, discolored, tight. Second moderately dipping joint rough, undulating, discolored, tight. Low angle joint set, moderate to wide rough, undulating, discolored open (1-65)
	4.5								
	5.5								
	5.0								
	5.0								
75	6.0	C2	75.0 80.0	60 58	100 97				Similar to C1. Low angle joint set very close to wide, rough, undulating, discolored, open (1-65)
	5.5								
	5.0								
	5.5								
	5.0							-49.1	-BEDROCK-
80								80.0	Bottom of exploration at 80.0 ft

H:\A_CORE+WELL4 USCSLIB4.GLB USCS_TB5.GDT G:\33637 - 4566 BROADWAY\000\DATABASES\2006-1004-GINT5 33637000TB+C.GPJ Nov 10, 06

Project: 4566 Broadway LLC
Project Location: 4566 Broadway Avenue, New York, NY
Project Number: C2310534

Log of Boring ASR-4

Sheet 1 of 1

Date(s) Drilled **December 12, 2007**	Logged By **Steven Muller**	Checked By **Chris Tomasello**
Drilling Method **Hollow Stem Auger**	Drill Bit Size/Type **4.2 inch Hollow Stem**	Total Depth of Borehole **20 feet bgs**
Drill Rig Type **Mobil B61**	Drilling Contractor **Long Shore Environmental**	Approximate Surface Elevation **33.2 feet MSL**
Groundwater Level and Date Measured **Not Measured**	Sampling Method(s) **Tube**	Hammer Data
Borehole Backfill **Well Completion**	Location **Center of Property**	

Elevation, feet	Depth, feet	Sample Type	Sample Number	Sampling Resistance, blows/foot	Relative Consistency	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
33.2	0					Asphalt		Asphalt and base.	
						SM		Hand clear. Brown fine silty SAND with some red brick.	
28.2	5		4-1			SW-SM		Brown fine silty SAND with brick and shell fill. Tan medium to coarse SAND.	
			4-2			SM		Brown fine silty SAND with concrete and red brick.	
			4.3			SM		Brown fine silty SAND trace fractured rock	
23.2	10		10-12			SM		Brown fine silty SAND, Black HC stained layer at 11.5 ft. coal.	Retained for lab analysis
			12-14			ML		Brown to gray silty sandy CLAY, slight HC odor. Wet	Retained for lab analysis
18.2	15		14-16			SC		Brown silty sandy CLAY, wet	Retained for lab analysis
			16-18			SC		Brown silty, sandy CLAY, wet	Retained for lab analysis
			18-20			SC		Brown silty sandy CLAY, wet.	Retained for lab analysis
13.2	20							Bottom of Boring at 20 feet bgs	
8.2	25								
3.2	30								

Figure

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Project: 4566 Broadway LLC
Project Location: 4566 Broadway Avenue, New York, NY
Project Number: C2310534

Log of Boring ASR-5

Sheet 1 of 1

Date(s) Drilled **December 12, 2007**	Logged By **Steven Muller**	Checked By **Chris Tomasello**
Drilling Method **Hollow Stem Auger**	Drill Bit Size/Type **4.2 inch Hollow Stem**	Total Depth of Borehole **20 feet bgs**
Drill Rig Type **Mobil B61**	Drilling Contractor **Long Shore Environmental**	Approximate Surface Elevation **31.97 feet MSL**
Groundwater Level and Date Measured **Not Measured**	Sampling Method(s) **Tube**	Hammer Data
Borehole Backfill **Well Completion**	Location **Center of Property**	

Elevation, feet	Depth, feet	Sample Type	Sample Number	Sampling Resistance, blows/foot	Relative Consistency	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
32	0					Asphalt		Asphalt and base.	
						SM		Hand clear. Brown fine silty SAND with some red brick, metal wood, wires.	
27	5		5-1			SW-SM		Brown fine silty SAND with brick and shell fill.	
			5-2			SM		Brown fine silty SAND with concrete and red brick.	
			8-10			SM		Dark brown fine silty SAND trace fractured rock, HC odor, damp.	Retained for lab analysis
22	10		11-13			SM		Brown fine silty SAND, Black HC stained layer, HC odor, wet	Retained for lab analysis
17	15		14-16			ML		Brown fine sandy CLAY, slight HC odor. Wet	Retained for lab analysis
			5-6			SC		Brown silty sandy CLAY, wet	
			18-20			SC		Brown silty, sandy CLAY, wet	Retained for lab analysis
12	20							Bottom of Boring at 20 feet bgs	
7	25								
2	30								

Figure

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Project: 4566 Broadway LLC
Project Location: 4566 Broadway Avenue, New York, NY
Project Number: C2310534

Log of Boring ASR-6

Sheet 1 of 1

Date(s) Drilled **December 14, 2007**	Logged By **Steven Muller**	Checked By **Chris Tomasello**
Drilling Method **Direct Push, HSA**	Drill Bit Size/Type **4.2 inch Hollow Stem**	Total Depth of Borehole **20 feet bgs**
Drill Rig Type **Geoprobe 6620DT**	Drilling Contractor **Long Shore Environmental**	Approximate Surface Elevation **27.71 feet MSL**
Groundwater Level and Date Measured **Not Measured**	Sampling Method(s) **Tube**	Hammer Data
Borehole Backfill **Well Completion**	Location **Nagle Ave sidewalk, north side**	

Elevation, feet	Depth, feet	Sample Type	Sample Number	Sampling Resistance, blows/foot	Relative Consistency	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
27.7	0					Concrete		Concrete and base.	
						SM		Hand clear. Brown fine silty SAND fractured rock, some red brick, coal slag.	
						SW-SM		Brown fine silty SAND, fractured rock.	
22.7	5		6-1						
						SM-SC		Brown fine silty SAND, some fracures rock, metal to graay silty sand, silty clay, wet. slight HC odor.	Retained for lab analysis
			9-11						
17.7	10							No recovery	No recovery
			11-16						
12.7	15					SM-SC		Brown to reddish brown fine to medium SAND, some silt, micro-layers of silty clay, wet	Retained for lab analysis
			16-20						
7.7	20							Bottom of Boring at 20 feet bgs	
2.7	25								
-2.3	30								

Figure

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Project: 4566 Broadway LLC
Project Location: 4566 Broadway Avenue, New York, NY
Project Number: C2310534

Log of Boring ASR-7

Sheet 1 of 1

Date(s) Drilled **December 14, 2007**	Logged By **Steven Muller**	Checked By **Chris Tomasello**
Drilling Method **Direct Push, HSA**	Drill Bit Size/Type **4.2 inch Hollow Stem**	Total Depth of Borehole **20 feet bgs**
Drill Rig Type **Geoprobe 6620DT**	Drilling Contractor **Long Shore Environmental**	Approximate Surface Elevation **28.86 feet MSL**
Groundwater Level and Date Measured **Not Measured**	Sampling Method(s) **Tube**	Hammer Data
Borehole Backfill **Well Completion**	Location **Nagle Ave sidewalk, north side**	

Elevation, feet	Depth, feet	Sample Type	Sample Number	Sampling Resistance, blows/foot	Relative Consistency	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
28.9	0					Concrete		Concrete and base.	
						SM		Hand clear. Brown fine silty SAND fractured rock, some red brick, coal slag.	
						SW-SM		Brown fine silty SAND, fractured rock.	
23.9	5		7-1						
						SM		Brown to tan fine silty SAND, wet. slight HC odor.	Retained for lab analysis
			9-11						
18.9	10								
						SM		Brownish grey to greenish fine silty SAND, wood, no HC odor, wet	Retained for lab analysis
			11-16						
13.9	15								
						SM-SC		Brown tfine to medium SAND, some silt, micro-layers of silty clay, wet	
			7-4						
8.9	20							Bottom of Boring at 20 feet bgs	
3.9	25								
-1.1	30								

Figure

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Project: 4566 Broadway LLC
Project Location: 4566 Broadway Avenue, New York, NY
Project Number: C2310534

Log of Boring ASR-8

Sheet 1 of 1

Date(s) Drilled **December 18, 2007**	Logged By **Steven Muller**	Checked By **Chris Tomasello**
Drilling Method **Direct Push, HSA**	Drill Bit Size/Type **4.2 inch Hollow Stem**	Total Depth of Borehole **20 feet bgs**
Drill Rig Type **Geoprobe 6620DT**	Drilling Contractor **Long Shore Environmental**	Approximate Surface Elevation **30.3 feet MSL**
Groundwater Level and Date Measured **Not Measured**	Sampling Method(s) **Tube**	Hammer Data
Borehole Backfill **Well Completion**	Location **Nagle Ave sidewalk, north side**	

Elevation, feet	Depth, feet	Sample Type	Sample Number	Sampling Resistance, blows/foot	Relative Consistency	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
30.3	0					Concrete		Concrete and base.	
						SM		Hand clear. Brown fine silty SAND fractured rock, some red brick.	Retained for lab analysis
			1-6			SW-SM		Brown fine silty SAND, fractured rock.	
25.3	5					SM		Brown to tan fine silty SAND, wet.	Retained for lab analysis
			6-11						
20.3	10					SP		Orange fine to coarse SAND, backfill material? wet.	Retained for lab analysis
			11-12						
			8-4						
15.3	15					SM		Brown to orange brown fine to medium SAND, some silt, wet	
			8-5						
10.3	20							Bottom of Boring at 20 feet bgs	
5.3	25								
0.3000000000000001	30								

Figure

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Project: 4566 Broadway LLC
Project Location: 4566 Broadway Avenue, New York, NY
Project Number: C2310534

Log of Boring ASR-9

Sheet 1 of 1

Date(s) Drilled **December 17, 2007**	Logged By **Steven Muller**	Checked By **Chris Tomasello**
Drilling Method **Direct Push, HSA**	Drill Bit Size/Type **4.2 inch Hollow Stem**	Total Depth of Borehole **20 feet bgs**
Drill Rig Type **Geoprobe 6620DT**	Drilling Contractor **Long Shore Environmental**	Approximate Surface Elevation **28.12 feet MSL**
Groundwater Level and Date Measured **Not Measured**	Sampling Method(s) **Tube**	Hammer Data
Borehole Backfill **Well Completion**	Location **Nagle Ave sidewalk, south side**	

Elevation, feet	Depth, feet	Sample Type	Sample Number	Sampling Resistance, blows/foot	Relative Consistency	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
28.1	0					Concrete		Concrete and base.	
						SM		Hand clear. Black to brown fine silty SAND, coal ash, red brick.	
			9-1			SW-SM		Brown fine silty SAND, fractured rock.	
23.1	5					SM		Light brown silty SAND, some black coal ash, rock fragments, damp.	
			9-2						
18.1	10					SP		Light brown silty SAND some gray silty clay, to brown medium to fine sand, wet.	Retained for lab analysis
			11-13						
13.1	15		9-4			SM		Brown to orange brown fine to medium SAND, some silt, wet	
			9-5						
8.1	20							Bottom of Boring at 20 feet bgs	
3.1	25								
-1.9	30								

Figure

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Project: 4566 Broadway LLC
Project Location: 4566 Broadway Avenue, New York, NY
Project Number: C2310534

Log of Boring ASR-10

Sheet 1 of 1

Date(s) Drilled **December 17, 2007**	Logged By **Steven Muller**	Checked By **Chris Tomasello**
Drilling Method **Direct Push, HSA**	Drill Bit Size/Type **4.2 inch Hollow Stem**	Total Depth of Borehole **20 feet bgs**
Drill Rig Type **Geoprobe 6620DT**	Drilling Contractor **Long Shore Environmental**	Approximate Surface Elevation **28.12 feet MSL**
Groundwater Level and Date Measured **Not Measured**	Sampling Method(s) **Tube**	Hammer Data
Borehole Backfill **Well Completion**	Location **Nagle Ave sidewalk, south side**	

Elevation, feet	Depth, feet	Sample Type	Sample Number	Sampling Resistance, blows/foot	Relative Consistency	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
28.1	0					Concrete		Concrete and base.	
						SM		Hand clear. Black to brown fine silty SAND, coal ash, red brick.	
			10-1			SW-SM		Brown fine silty SAND, fractured rock.	
23.1	5					SM		Light brown silty SAND, grey silty sand, red brick, damp.	
			10-2						
18.1	10					SP		Light brown silty SAND some gray silty clay, to brown medium to fine sand, wet.	Retained for lab analysis
			11-16						
13.1	15					SM		Light grey, tan fine silty SAND, some silt, wet	
			10-4						
8.1	20							Bottom of Boring at 20 feet bgs	
3.1	25								
-1.9	30								

Figure

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Project: 4566 Broadway LLC
Project Location: 4566 Broadway Avenue, New York, NY
Project Number: C2310534

Log of Boring ASR-11

Sheet 1 of 1

Date(s) Drilled **January 15, 2008**	Logged By **Steven Muller**	Checked By **Chris Tomasello**
Drilling Method **Direct Push, HSA**	Drill Bit Size/Type **4.2 inch Hollow Stem**	Total Depth of Borehole **16 feet bgs**
Drill Rig Type **Geoprobe 6620DT**	Drilling Contractor **Long Shore Environmental**	Approximate Surface Elevation **34.36 feet MSL**
Groundwater Level and Date Measured **Not Measured**	Sampling Method(s) **Tube**	Hammer Data
Borehole Backfill **Well Completion**	Location **Broadway Avenue south sidewalk**	

Elevation, feet	Depth, feet	Sample Type	Sample Number	Sampling Resistance, blows/foot	Relative Consistency	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
34.4	0					Concrete		Concrete and base.	
						SM		Air lift to clear hole to 6 feet. Brown medium to fine silty SAND, some small gravel.	
29.4	5					SM-ML		Brown silty CLAY to fine silty sand, damp.	
			11-1						
24.4	10					SP		Brown silty SAND with fractured rock to grey fine sand, wet.	Retained for lab analysis
			12-14						
19.4	15							Bottom of Boring at 16 feet bgs	
14.4	20								
9.4	25								
4.4	30								

Figure

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PROJECT NAME: **"Nagle" BCP Site ID: C231054**	BORING NUMBER: **ASR-12**
PROJECT ADDRESS: **4566 Broadway Avenue New York, NY 10040**	
DRILLING CONTRACTOR: **JC Broderick & Associates, Inc.**	BORING LOCATION: **Northwest Corner of Subject Property**
DRILLING METHOD: **DT325 Soil Sampling System**	APPROXIMATE GROUND SURFACE ELEVATION: **33 feet Above Sea Level**
DRILLING EQUIPMENT: **Geoprobe® 7720DT**	DATE COMPLETED: **10-30-09**
SAMPLING METHOD: **DT325 Soil Sampling System**	TOTAL DEPTH: **13.5 Feet** / WEATHER: **Cloudy** / TEMPERATURE: **55°**
RESPONSIBLE PROFESSIONAL: **Steven Muller** / LOGGED BY: **Jeffrey Nannini**	APPROX. DEPTH TO GROUNDWATER: **12 Feet** / MEASURING POINT: **Ground Surface**

DEPTH (feet)	PID RESULTS (ppm)	LITHOLOGIC LOG	% RECOVERY	USCS CLASSIFICATION	DESCRIPTION NAME (USCS): color, moisture, plasitcity density
0					Asphalt
1	95.0		50	SM	Dark Brown Silty SAND with Cobbles - 0'-5' Interval Submitted for Laboratory Analysis
2					
3	28.3		50		
4					
5	44.1		40	SM	Dark Brown Silty SAND with Cobbles and Gravels
6					
7					
8	26.2		40	SM	Brown Silty SAND with Some Cobbles - 5'-10' Interval Submited for Laboratory Analysis
9					
10	594		40	SM	Dark Brown/Black Silty SAND with Cobbles and Gravels - 10'-13.5' Interval Submitted for Laboratory Analysis
11					
12					Groundwater Interface Observed
13				SM	Dark Brown/Black Silty SAND with Cobbles and Gravels
14					End of Boring Due to Refusal at 13.5 Feet Below Surface Grade
15					

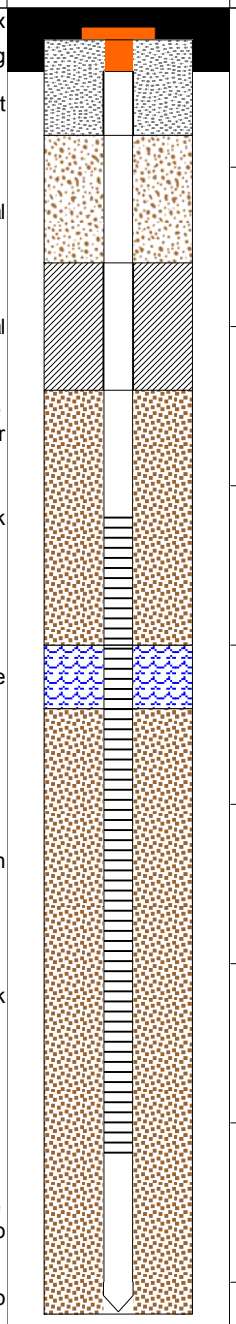
PROJECT NAME: **"Nagle" BCP Site ID: C231054**	BORING NUMBER: **ASR-13**
PROJECT ADDRESS: **4566 Broadway Avenue New York, NY 10040**	
DRILLING CONTRACTOR: **JC Broderick & Associates, Inc.**	BORING LOCATION: **Northwest Corner of Subject Property**
DRILLING METHOD: **DT325 Soil Sampling System**	APPROXIMATE GROUND SURFACE ELEVATION: **33 feet Above Sea Level**
DRILLING EQUIPMENT: **Geoprobe® 7720DT**	DATE COMPLETED: **10-30-09**
SAMPLING METHOD: **DT325 Soil Sampling System**	TOTAL DEPTH: **14.5 Feet** / WEATHER: **Cloudy** / TEMPERATURE: **55°**
RESPONSIBLE PROFESSIONAL: **Steven Muller** / LOGGED BY: **Jeffrey Nannini**	APPROX. DEPTH TO GROUNDWATER: **12 Feet** / MEASURING POINT: **Ground Surface**

DEPTH (feet)	PID RESULTS (ppm)	LITHOLOGIC LOG	% RECOVERY	USCS CLASSIFICATION	DESCRIPTION NAME (USCS): color, moisture, plasitcity density
0					Asphalt
1	39.0		40	SM	Dark Brown Silty SAND with Cobbles and Gravels - 0'-5' Interval Submitted for Laboratory Analysis
2					
3	57.0		40		
4					
5	40.4		40	SM	Brown Silty SAND with Cobbles
6					
7					
8	42.5		40	SM	Brown Silty SAND with Some Cobbles - 5'-10' Interval Submitted for Laboratory Analysis
9					
10	375		30	SM	Brown/Dark Brown Silty SAND with Some Cobbles - 10'-14.5' Interval Submitted for Laboratory Analysis
11					
12					Groundwater Interface Observed
13				SM	Brown/Dark Brown Silty SAND with Some Cobbles
14					
15					End of Boring Due to Refusal at 14.5 Feet Below Surface Grade
16					

PROJECT NAME: **"Nagle" BCP Site ID: C231054**	BORING NUMBER: **ASR-14**
PROJECT ADDRESS: **4566 Broadway Avenue New York, NY 10040**	
DRILLING CONTRACTOR: **JC Broderick & Associates, Inc.**	BORING LOCATION: **North Side of Subject Property**
DRILLING METHOD: **Hollow Stem Auger**	TOTAL DEPTH (Below Surface Grade): **30 Feet** / MEASURING POINT: **Ground Surface**
DRILLING EQUIPMENT: **Geoprobe® 7720DT**	GROUND SURFACE ELEVATION: **32 feet Above Sea Level** / DATE COMPLETED: **10-29-09**
SAMPLING METHOD: **DT325 Soil Sampling System**	DEPTH TO GROUNDWATER (Below Surface Grade): **12 Feet**
HAMMER WEIGHT: **N/A** / DROP: **N/A**	RESPONSIBLE PROFESSIONAL: **Steven Muller** / LOGGED BY: **Jeffrey Nannini**

DEPTH (feet)	WELL CONSTRUCTION	WELL LOG	PID Data (ppm)	Lithologic Log	USCS Letter Symbol	% Recovery	SOIL DESCRIPTION NAME: color and size
0.0	Traffic Rated Well Box Locking J-Plug						Asphalt
2.0	Neat Cement Grout		0.2		SM	80	Brown/Dark Brown Silty SAND with Cobbles
4.0			0.0		SM	80	Brown Silty SAND with some Gravels and Cobbles
6.0			17.7		SM	60	Brown Silty SAND with Cobbles
8.0	Clean Sand Backfill Material		579		SM	60	Dark Brown/Black Silty SAND with Cobbles - 7.5'-10' Interval Submitted For Laboratory Analysis
10.0	2" diameter Schedule 40 PVC Riser		341		SM	100	Dark Brown Silty SAND with Gravels and Cobbles - 10'-12.5' Interval Submitted For Laboratory Analysis
12.0	Groundwater Interface						Groundwater Interface Observed
14.0			129		SM	100	Dark Brown Silty SAND with Gravels and Cobbles
16.0	Bentonite Chip Seal		16.5		SM	100	Dark Brown Silty SAND - 17.5'-20' Interval Submitted For Laboratory Analysis
18.0			23.9			100	
20.0	#1 Morie Sand Pack		6.0		SM	100	Brown Silty SAND - 20'-22.5' Interval Submitted For Laboratory Analysis
22.0							
24.0	2" diameter 0.010" Slot, Schedule 40 PVC Screen		3.0			100	
26.0			0.8		SC	100	Brown Silty Sand CLAY Mixture - 27.5'-30' Interval Submitted For Laboratory Analysis
28.0			1.5			100	
30.0	End Cap						End of Boring at 30 Feet Below Surface Grade
32.0							

PROJECT NAME: **"Nagle" BCP Site ID: C231054**	BORING NUMBER: **ASR-15**
PROJECT ADDRESS: **4566 Broadway Avenue New York, NY 10040**	
DRILLING CONTRACTOR: **JC Broderick & Associates, Inc.**	BORING LOCATION: **North Side of Subject Property**
DRILLING METHOD: **Hollow Stem Auger**	TOTAL DEPTH (Below Surface Grade): **20 Feet** / MEASURING POINT: **Ground Surface**
DRILLING EQUIPMENT: **Geoprobe® 7720DT**	GROUND SURFACE ELEVATION: **32 feet Above Sea Level** / DATE COMPLETED: **10-29-09**
SAMPLING METHOD: **DT325 Soil Sampling System**	DEPTH TO GROUNDWATER (Below Surface Grade): **10 Feet**
HAMMER WEIGHT: **N/A** / DROP: **N/A**	RESPONSIBLE PROFESSIONAL: **Steven Muller** / LOGGED BY: **Jeffrey Nannini**

DEPTH (feet)	WELL CONSTRUCTION	WELL LOG	PID Data (ppm)	Lithologic Log	USCS Letter Symbol	% Recovery	SOIL DESCRIPTION NAME: color and size
0.0	Traffic Rated Well Box						Asphalt
	Locking J-Plug		2.4		SM	70	Brown/Dark Brown Silty SAND with Cobbles
	Neat Cement Grout						
2.0			3.9		SM	70	Brown Silty SAND
	Clean Sand Backfill Material						
4.0			16.5		SM	60	Brown/Dark Brown Silty SAND with Gravels and Cobbles
	Bentonite Chip Seal						
6.0			14.5		SM	60	Dark Brown Silty SAND with Cobbles - 7.5'-10' Interval Submitted For Laboratory Analysis
	2" diameter Schedule 40 PVC Riser						
8.0			6.4			40	Groundwater Interface Observed
	#1 Morie Sand Pack				SM		Dark Brown Silty SAND with Gravels and Cobbles
10.0	Groundwater Interface		6.3			40	
12.0							
	2" diameter 0.010" Slot, Schedule 40 PVC Screen						
14.0			74.6		SM	100	Dark Brown/Gray Silty SAND - 15'-17.5' Interval Submitted For Laboratory Analysis
	#1 Morie Sand Pack						
16.0							
			47.8		SM	100	Dark Brown/Gray Silty SAND
18.0							
	2" diameter Schedule 40 PVC Sediment Trap						
20.0	End Cap						End of Boring at 20 Feet Below Surface Grade
22.0							

PROJECT NAME: **"Nagle" BCP Site ID: C231054**

PROJECT ADDRESS: **4566 Broadway Avenue New York, NY 10040**

DRILLING CONTRACTOR: **JC Broderick & Associates, Inc.**

DRILLING METHOD: **Hollow Stem Auger**

DRILLING EQUIPMENT: **Geoprobe® 7720DT**

SAMPLING METHOD: **DT325 Soil Sampling System**

HAMMER WEIGHT: **N/A** DROP: **N/A**

BORING NUMBER: **ASR-16**

BORING LOCATION: **Northeast Corner of Subject Property**

TOTAL DEPTH (Below Surface Grade): **30 Feet**

MEASURING POINT: **Ground Surface**

GROUND SURFACE ELEVATION: **32 feet Above Sea Level**

DATE COMPLETED: **11-03-09**

DEPTH TO GROUNDWATER (Below Surface Grade): **7 Feet**

RESPONSIBLE PROFESSIONAL: **Steven Muller**

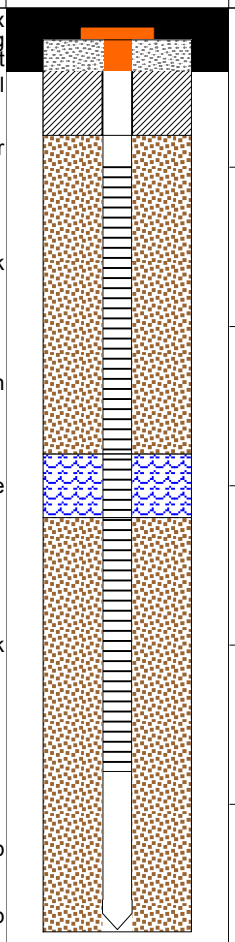
LOGGED BY: **Jeffrey Nannini**

DEPTH (feet)	WELL CONSTRUCTION	PID Data (ppm)	USCS Letter Symbol	% Recovery	SOIL DESCRIPTION NAME: color and size
0.0	Traffic Rated Well Box Locking J-Plug				Asphalt
	Neat Cement Grout	145	SM	40	Dark Brown Silty SAND with Gravels
2.0					
4.0		36.6	SM	40	Brown Silty SAND with some Gravels and Cobbles
	Clean Sand Backfill Material	29.3	SM	50	Brown Silty SAND with Cobbles
6.0					
	Groundwater Interface				Groundwater Interface Observed
8.0		44.5	SM	50	Brown Silty SAND with Cobbles - 7.5'-10' Interval Submitted For Laboratory Analysis
	2" diameter Schedule 40 PVC Riser	1144	SM	40	Dark Brown/Black Silty SAND with Cobbles - 10'-12.5' Interval Submitted For Laboratory Analysis
10.0					
12.0		60.5	SM	40	Dark Brown/Black Silty SAND with Cobbles
14.0					
16.0		94.2	SM	100	Dark Brown/Brown Silty SAND
	Bentonite Chip Seal				
18.0		111	SM	100	Brown Silty SAND - 17.5'-20' Interval Submitted For Laboratory Analysis 20'-22.5' Interval Submitted For Laboratory Analysis 22.5'-25' Interval Submitted For Laboratory Analysis
20.0	#1 Morie Sand Pack	165		100	
22.0					
		144		100	
24.0	2" diameter 0.010" Slot, Schedule 40 PVC Screen				
26.0		299		100	
28.0		187	SM	100	Red/Brown Silty SAND
30.0	End Cap				End of Boring at 30 Feet Below Surface Grade
32.0					

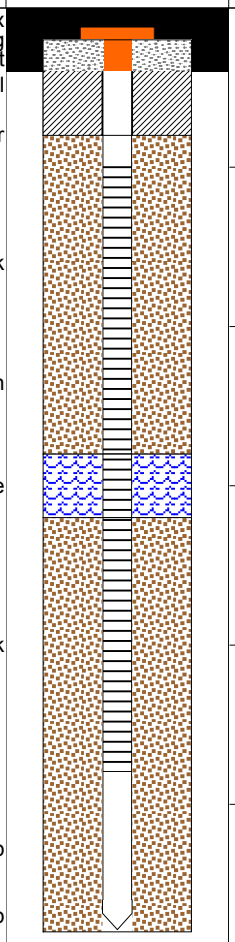
PROJECT NAME: **"Nagle" BCP Site ID: C231054**	BORING NUMBER: **ASR-17**
PROJECT ADDRESS: **4566 Broadway Avenue New York, NY 10040**	
DRILLING CONTRACTOR: **JC Broderick & Associates, Inc.**	BORING LOCATION: **Northeast Corner of Subject Property**
DRILLING METHOD: **Hollow Stem Auger**	TOTAL DEPTH (Below Surface Grade): **20 Feet** / MEASURING POINT: **Ground Surface**
DRILLING EQUIPMENT: **Geoprobe® 7720DT**	GROUND SURFACE ELEVATION: **32 feet Above Sea Level** / DATE COMPLETED: **11-03-09**
SAMPLING METHOD: **DT325 Soil Sampling System**	DEPTH TO GROUNDWATER (Below Surface Grade): **9 Feet**
HAMMER WEIGHT: **N/A** / DROP: **N/A**	RESPONSIBLE PROFESSIONAL: **Steven Muller** / LOGGED BY: **Jeffrey Nannini**

DEPTH (feet)	WELL CONSTRUCTION	PID Data (ppm)	USCS Letter Symbol	% Recovery	SOIL DESCRIPTION NAME: color and size
0.0	Traffic Rated Well Box Locking J-Plug				Asphalt and Brick
	Neat Cement Grout	121	SM	50	Dark Brown Silty SAND with Gravels
2.0					
	Clean Sand Backfill Material	67.7	SM	50	Dark Brown/Brown Silty SAND with Cobbles
4.0					
	Bentonite Chip Seal				
6.0	2" diameter Schedule 40 PVC Riser	81.2	SM	40	Brown Silty SAND with Cobbles - 7.5'-10' Interval Submitted for Laboratory Analysis
	#1 Morie Sand Pack	200		40	
8.0					
	Groundwater Interface				Groundwater Interface Observed
10.0		296	SM	80	Dark Brown/Black Silty SAND with Cobbles
	2" diameter 0.010" Slot, Schedule 40 PVC Screen	62.4		80	
12.0					
14.0					
	#1 Morie Sand Pack	247	SM	100	Dark Brown Silty SAND - 15'-17.5' Interval Submitted For Laboratory Analysis
16.0					
	2" diameter Schedule 40 PVC Sediment Trap	88.1		100	
18.0					
	End Cap				End of Boring at 20 Feet Below Surface Grade
20.0					
22.0					

PROJECT NAME: **"Nagle" BCP Site ID: C231054**	BORING NUMBER: **ASR-18**
PROJECT ADDRESS: **4566 Broadway Avenue New York, NY 10040**	
DRILLING CONTRACTOR: **JC Broderick & Associates, Inc.**	BORING LOCATION: **Sidewalk on the North Side of Nagle Ave**
DRILLING METHOD: **Hollow Stem Auger**	TOTAL DEPTH (Below Surface Grade): **20 Feet** / MEASURING POINT: **Ground Surface**
DRILLING EQUIPMENT: **Geoprobe® 7720DT**	GROUND SURFACE ELEVATION: **32 feet Above Sea Level** / DATE COMPLETED: **11-05-09**
SAMPLING METHOD: **DT325 Soil Sampling System**	DEPTH TO GROUNDWATER (Below Surface Grade): **7 Feet**
HAMMER WEIGHT: **N/A** / DROP: **N/A**	RESPONSIBLE PROFESSIONAL: **Steven Muller** / LOGGED BY: **Jeffrey Nannini**

DEPTH (feet)	WELL CONSTRUCTION	WELL LOG	PID Data (ppm)	Lithologic Log	USCS Letter Symbol	% Recovery	SOIL DESCRIPTION NAME: color and size
0.0	Traffic Rated Well Box Locking J-Plug Neat Cement Grout						Concrete
	Bentonite Chip Seal		21.7		SM	40	Brown Silty SAND with Gravels
2.0	2" diameter Schedule 40 PVC Riser						
			69.2		SM	40	Brown Silty SAND with Gravels - 2.5'-5' Interval Submitted for Laboratory Analysis
4.0	#1 Morie Sand Pack						
	2" diameter 0.010" Slot, Schedule 40 PVC Screen		1113		SM	40	Brown Silty SAND with Gravels
6.0							
	Groundwater Interface						Groundwater Interface Observed
8.0			2278		SM	40	Dark Brown/Black Silty SAND with Cobbles - 7.5'-10' Interval Submitted for Laboratory Analysis
10.0	#1 Morie Sand Pack						
			30.9		SM	100	Dark Brown/Black Silty SAND with Cobbles
12.0							
	2" diameter Schedule 40 PVC Sediment Trap		75.1		SM	100	Dark Brown Silty SAND - 12.5'-15' Interval Submitted For Laboratory Analysis
14.0	End Cap						
16.0			63.3		SM	100	Dark Brown Silty SAND - 15'-17.5' Interval Submitted For Laboratory Analysis
18.0			41.2		SM	100	Brown Silty SAND
20.0							End of Boring at 20 Feet Below Surface Grade
22.0							

PROJECT NAME: **"Nagle" BCP Site ID: C231054**	BORING NUMBER: **ASR-19**
PROJECT ADDRESS: **4566 Broadway Avenue New York, NY 10040**	
DRILLING CONTRACTOR: **JC Broderick & Associates, Inc.**	BORING LOCATION: **Sidewalk North Side of Nagle Avenue**
DRILLING METHOD: **Hollow Stem Auger**	TOTAL DEPTH (Below Surface Grade): **20 Feet** / MEASURING POINT: **Ground Surface**
DRILLING EQUIPMENT: **Geoprobe® 7720DT**	GROUND SURFACE ELEVATION: **32 feet Above Sea Level** / DATE COMPLETED: **11-05-09**
SAMPLING METHOD: **DT325 Soil Sampling System**	DEPTH TO GROUNDWATER (Below Surface Grade): **7 Feet**
HAMMER WEIGHT: **N/A** / DROP: **N/A**	RESPONSIBLE PROFESSIONAL: **Steven Muller** / LOGGED BY: **Jeffrey Nannini**

DEPTH (feet)	WELL CONSTRUCTION	WELL LOG	PID Data (ppm)	Lithologic Log	USCS Letter Symbol	% Recovery	SOIL DESCRIPTION NAME: color and size
0.0	Traffic Rated Well Box Locking J-Plug Neat Cement Grout						Concrete
	Bentonite Chip Seal 2" diameter Schedule 40 PVC Riser		69.5		SM	40	Brown Silty SAND with Gravels - 0'-2.5' Interval Submitted for Laboratory Analysis
2.0							
			41.2		SM	40	Brown Silty SAND with some Cobbles
4.0	#1 Morie Sand Pack						
	2" diameter 0.010" Slot, Schedule 40 PVC Screen		1810		SM	50	Brown/Black Silty SAND with Cobbles - 5'-7.5' Interval Submitted for Laboratory Analysis
6.0							
	Groundwater Interface						Groundwater Interface Observed
8.0			233		SM	50	Black Silty SAND with Cobbles
10.0	#1 Morie Sand Pack						
			106		SM	100	Black/Dark Brown Silty SAND with Cobbles - 10'-12.5' Interval Submitted for Laboratory Analysis
12.0							
	2" diameter Schedule 40 PVC Sediment Trap		71.1		SM	100	Dark Brown Silty SAND - 17.5'-20' Interval Submitted for Laboratory Analysis
14.0	End Cap						
			37.7			100	
16.0							
			94.4			100	
18.0							
							End of Boring at 20 Feet Below Surface Grade
20.0							
22.0							

PROJECT NAME:	**"Nagle" BCP Site ID: C231054**
PROJECT ADDRESS:	**4566 Broadway Avenue New York, NY 10040**
DRILLING CONTRACTOR:	**J.C. Broderick and Associates, Inc.**
DRILLING METHOD:	**Hollow Stem Auger**
DRILLING EQUIPMENT:	**Geoprobe® 7720DT**
SAMPLING METHOD:	**DT325 Soil Sampling System**
HAMMER WEIGHT:	**N/A**
DROP:	**N/A**

BORING NUMBER: **ASR-20**

BORING LOCATION: **NE Corner of Hillside and Nagle Avenues**

TOTAL DEPTH (Below Surface Grade): **14 Feet**

MEASURING POINT: **Ground Surface**

GROUND SURFACE ELEVATION: **37 Feet Above Sea Level**

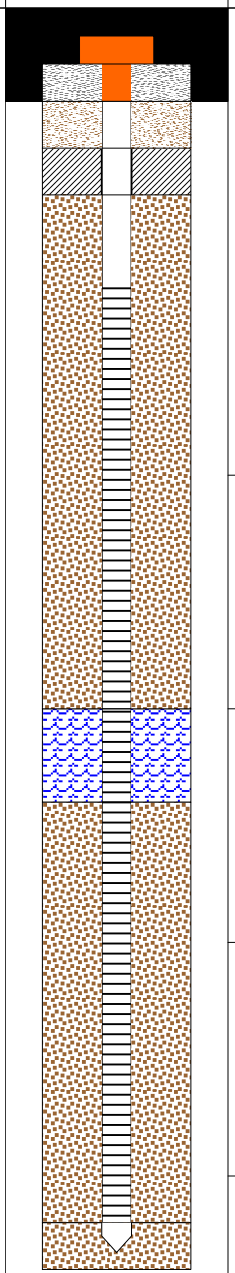
DATE: **03-22-11**

DEPTH TO GROUNDWATER: **7.5 Feet BSG**

WEATHER: **Mostly Cloudy 44°F**

RESPONSIBLE PROFESSIONAL: **Jeffrey Nannini**

LOGGED BY: **Adam Hutchinson**



DEPTH (feet)	PID Data (ppm)	USCS Letter Symbol	% Recovery	SOIL DESCRIPTION NAME: color and size
0.0				Concrete
1.0				Brown Clay - HAND CLEARED
2.0	0.3		45	
3.0		CL		Brown Low Plasticity CLAY
4.0				
5.0		SC		Gray/Brown Silty SAND Clay Mixture
6.0	0.2			
7.0			90	
8.0				Initial Groundwater Interface Observed
9.0	0.6			
10.0		SM		Brown Silty SAND, Trace Gravels - 7.5'-10' Interval Submitted for Laboratory Analysis
11.0	1.3			10'-12' Interval Submitted for Laboratory Analysis
12.0			100	
13.0	1.8			Crushed Brick
		SM		Brown Silty SAND - 12'-14 Interval Submitted for Laboratory Analysis
14.0				Crushed Rock
				End of Boring Due to Refusal at 14 Ft BSG
15.0				

PROJECT NAME:	**"Nagle" BCP Site ID: C231054**
PROJECT ADDRESS:	**4566 Broadway Avenue New York, NY 10040**
DRILLING CONTRACTOR:	**J.C. Broderick and Associates, Inc.**
DRILLING METHOD:	**Hollow Stem Auger**
DRILLING EQUIPMENT:	**Geoprobe® 7720DT**
SAMPLING METHOD:	**DT325 Soil Sampling System**
HAMMER WEIGHT:	**N/A**
DROP:	**N/A**

BORING NUMBER: **ASR-21**

BORING LOCATION: **South Side of Playground**

TOTAL DEPTH (Below Surface Grade): **15 Feet**

MEASURING POINT: **Ground Surface**

GROUND SURFACE ELEVATION: **29 Feet Above Sea Level**

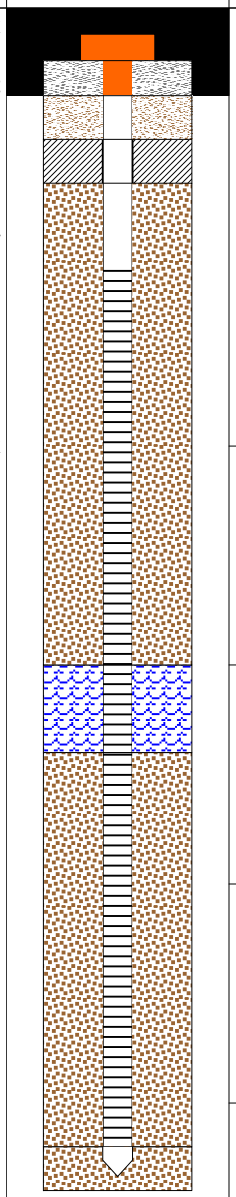
DATE: **03-23-11**

DEPTH TO GROUNDWATER: **7.5 Feet BSG**

WEATHER: **Light Rain 35°F**

RESPONSIBLE PROFESSIONAL: **Jeffrey Nannini**

LOGGED BY: **Adam Hutchinson**



DEPTH (feet)	PID Data (ppm)	USCS Letter Symbol	% Recovery	SOIL DESCRIPTION NAME: color and size
0.0				Concrete
1.0	0.8	SM	40	Brown Silty SAND - HAND CLEARED
2.0				
3.0		SM		Brown Silty SAND, Some Gravels
4.0				
5.0		SM		Brown Silty SAND, Few Gravels
6.0	0.3	SM		Brown Silty SAND, Little Gravels
7.0		GM		Gravels, Some Brown Silty SANDS
8.0		SM	30	Gray Silty SAND, Little Gravels Initial Groundwater Interface Observed
9.0	0.3	SM		Gray Silty SAND, Some Gravels - 7.5' - 10' Interval Submitted for Laboratory Analysis
10.0				
11.0	0.7	SC		Gray Silty SAND Clay Mixture
12.0			90	
13.0	1.5	CL		Gray/Brown Low Plasticity CLAY - 12.5' - 15' Interval Submitted for Laboratory Analysis
14.0		SM		Dark Gray Silty SAND
15.0				End of Boring at 15 Ft BSG
16.0				

PROJECT NAME:	**"Nagle" BCP Site ID: C231054**
PROJECT ADDRESS:	**4566 Broadway Avenue New York, NY 10040**
DRILLING CONTRACTOR:	**J.C. Broderick and Associates, Inc.**
DRILLING METHOD:	**Hollow Stem Auger**
DRILLING EQUIPMENT:	**Geoprobe® 7720DT**
SAMPLING METHOD:	**DT325 Soil Sampling System**
HAMMER WEIGHT:	**N/A** DROP: **N/A**

BORING NUMBER:	**ASR-22**
BORING LOCATION:	**South Side of 54 Nagle Avenue**
TOTAL DEPTH (Below Surface Grade):	**15 Feet**
MEASURING POINT:	**Ground Surface**
GROUND SURFACE ELEVATION:	**27 Feet Above Sea Level**
DATE:	**03-23-11**
DEPTH TO GROUNDWATER:	**5 Feet BSG**
WEATHER:	**Light Rain 35°F**
RESPONSIBLE PROFESSIONAL:	**Jeffrey Nannini**
LOGGED BY:	**Adam Hutchinson**

DEPTH (feet)	WELL CONSTRUCTION	WELL LOG	PID Data (ppm)	Lithologic Log	USCS Letter Symbol	% Recovery	SOIL DESCRIPTION NAME: color and size
0.0	Traffic Rated Well Box						Concrete
1.0	Locking J-Plug Neat Cement Grout Clean Backfill Material						
2.0	Bentonite Chip Seal				SW		Brown Silty to Fine SAND, Some Gravels
3.0	2" diameter Schedule 40 PVC Riser		0.6			15	
4.0					SW		Brown/Black Silty to Fine SAND, Some Gravels
5.0	Groundwater Interface						Initial Groundwater Interface Observed
6.0			0.8		SM		Gray Silty SAND, Some Gravels - 5'-7.5' Interval Submitted for Laboratory Analysis
7.0						75	
8.0	#1 Morie Sand Pack		0.6		ML		Gray/Brown Silty CLAY, Few Gravels
9.0							
10.0							Crushed Rock and Brick
11.0	2" diameter 0.010" Slot, Schedule 40 PVC Screen		1.0		CL		Gray/Brown Low Plasticity CLAY, Trace Gravels - 10'-12.5' Interval Submitted for Laboratory Analysis
12.0					SC		Green/Gray Silty SAND Clay Mixture
13.0	End Cap		1.1		SC	85	Gray Silty SAND Clay Mixture Gray/Brown Silty SAND Clay Mixture - 12.5'-15' Interval Submitted for Laboratory Analysis
14.0					SM		Wood Gray/Brown Silty SAND
15.0							End of Boring at 15 Feet BSG
16.0							

Project: 4566 Broadway LLC
Project Location: 4566 Broadway Avenue, New York, NY
Project Number: C2310534

Log of Boring SB-1

Sheet 1 of 1

Date(s) Drilled **December 13, 2007**	Logged By **Steven Muller**	Checked By **Chris Tomasello**
Drilling Method **Direct Push**	Drill Bit Size/Type **2 inch Dual Tube**	Total Depth of Borehole **20 feet bgs**
Drill Rig Type **Geoprobe 6620DT**	Drilling Contractor **Long Shore Environmental**	Approximate Surface Elevation **33.64 feet MSL**
Groundwater Level and Date Measured **Not Measured**	Sampling Method(s) **Tube**	Hammer Data
Borehole Backfill **Vapor Point**	Location **Center of Property**	

Elevation, feet	Depth, feet	Sample Type	Sample Number	Sampling Resistance, blows/foot	Relative Consistency	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
33.6	0					Asphalt		Asphalt and base.	
						SM		Hand clear. Brown fine silty SAND with some red brick concrete and rock fragments.	
			1-1			SW-SM		Brown medium to fine SAND with concrete and red brick, some rock fragments, wood.	
28.6	5								
			1-2						
23.6	10					SM		Brown fine silty SAND, wet.	Retained for lab analysis
			10-12			SM		Brown fine silty SAND trace fractured rock	
18.6	15					SW-SM		Brown silty SAND, to light brown medium to fine sand well sorted.	Retained for lab analysis
			15-20						
13.6	20							Bottom of Boring at 20 feet bgs	
8.6	25								
3.6	30								

Figure

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Project: 4566 Broadway LLC
Project Location: 4566 Broadway Avenue, New York, NY
Project Number: C2310534

Log of Boring SB-2

Sheet 1 of 1

Date(s) Drilled **December 10, 2007**	Logged By **Steven Muller**	Checked By **Chris Tomasello**
Drilling Method **Hollow Stem Auger**	Drill Bit Size/Type **4.2 inch Hollow Stem**	Total Depth of Borehole **20 feet bgs**
Drill Rig Type **Mobil B61**	Drilling Contractor **Long Shore Environmental**	Approximate Surface Elevation **32.92 feet MSL**
Groundwater Level and Date Measured **Not Measured**	Sampling Method(s) **Tube**	Hammer Data
Borehole Backfill **Cuttings and Asphalt Patch**	Location **Center of Property**	

Elevation, feet	Depth, feet	Sample Type	Sample Number	Sampling Resistance, blows/foot	Relative Consistency	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
32.9	0					Asphalt		Asphalt and base.	
						SM		Hand clear. Brown fine silty SAND with some red brick, galvinized pipe.	
27.9	5		2-1			SW-SM		Brown fine silty SAND small gravel.	
			2-2			SM		Brown fine silty SAND, trace rock fragments.	
			2-3			SM		Brown fine silty SAND trace fractured rock, gray fine silty sand.	
22.9	10		10-12			SM		Gray fine silty SAND, HC odor, damp	Retained for lab analysis
			12-14			SM		Gray fine silty SAND, HC odor, damp	Retained for lab analysis
17.9	15		2-6			SC		Brown silty sandy CLAY, wet	
			16-18			SM		Brown fine silty SAND, wet	Retained for lab analysis
			18-20			SM		Brown fine silty SAND, wood fragment, wet.	Retained for lab analysis
12.9	20							Bottom of Boring at 20 feet bgs	
7.9	25								
2.9	30								

Figure

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PROJECT NAME: **"Nagle" BCP Site ID: C231054**	BORING NUMBER: **SB-03**
PROJECT ADDRESS: **4566 Broadway Avenue New York, NY 10040**	
DRILLING CONTRACTOR: **JC Broderick & Associates, Inc.**	BORING LOCATION: **North Side of Subject Property**
DRILLING METHOD: **DT325 Soil Sampling System**	APPROXIMATE GROUND SURFACE ELEVATION: **32 feet Above Sea Level**
DRILLING EQUIPMENT: **Geoprobe® 7720DT**	DATE COMPLETED: **10-26-09**
SAMPLING METHOD: **DT325 Soil Sampling System**	TOTAL DEPTH: **20 Feet** / WEATHER: **Partly Cloudy** / TEMPERATURE: **55°**
RESPONSIBLE PROFESSIONAL: **Steven Muller** / LOGGED BY: **Jeffrey Nannini**	APPROX. DEPTH TO GROUNDWATER: **10 Feet** / MEASURING POINT: **Ground Surface**

DEPTH (feet)	PID RESULTS (ppm)	LITHOLOGIC LOG	% RECOVERY	USCS CLASSIFICATION	DESCRIPTION NAME (USCS): color, moisture, plasitcity density
0					Asphalt
1–2	0.0		10	SM	Dark Brown Silty SAND with Cobbles and Gravels
3–4	0.0		10	SM	Dark Brown Silty SAND with Cobbles and Gravels
5–6	0.0		10	SM	Brown Silty SAND with Cobbles
7–8					
8–9	0.0		10		
10					Groundwater Interface Observed
11–12	0.0		10	SM	Brown Silty SAND with Cobbles
13–14	6.2		10		Dark Brown/Black Urban Fill - 12.5'-15' Interval Submitted for Laboratory Analysis
15–16	0.0		80	SM	Dark Brown Silty SAND - 17.5'-20' Interval Submitted for Laboratory Analysis
17–19	0.0		80		
20					End of Boring at 20 Feet Below Surface Grade
21–22					

PROJECT NAME: **"Nagle" BCP Site ID: C231054**	BORING NUMBER: **SB-04**
PROJECT ADDRESS: **4566 Broadway Avenue New York, NY 10040**	
DRILLING CONTRACTOR: **JC Broderick & Associates, Inc.**	BORING LOCATION: **North Side of Subject Property**
DRILLING METHOD: **DT325 Soil Sampling System**	APPROXIMATE GROUND SURFACE ELEVATION: **32 feet Above Sea Level**
DRILLING EQUIPMENT: **Geoprobe® 7720DT**	DATE COMPLETED: **10-26-09**
SAMPLING METHOD: **DT325 Soil Sampling System**	TOTAL DEPTH: **20 Feet** / WEATHER: **Partly Cloudy** / TEMPERATURE: **55°**
RESPONSIBLE PROFESSIONAL: **Steven Muller** / LOGGED BY: **Jeffrey Nannini**	APPROX. DEPTH TO GROUNDWATER: **10 Feet** / MEASURING POINT: **Ground Surface**

DEPTH (feet)	PID RESULTS (ppm)	LITHOLOGIC LOG	% RECOVERY	USCS CLASSIFICATION	DESCRIPTION NAME (USCS): color, moisture, plasitcity density
0					Asphalt
1–2	0.0		60	SM	Dark Brown Silty SAND with Gravels
3–4	0.0		60	SC	Dark Brown/Brown Silty Sand-Clay Mixture with some Cobbles - 2.5'-5' Interval Submitted for Laboratory Analysis
5–7	0.0		60	SM	Brown Silty SAND - 7.5'-10' Interval Submitted for Laboratory Analysis
8–9	65.8		60		
10					Groundwater Interface Observed
11–12	2425		15	SM	Dark Brown Silty SAND and some Urban Fill - 10'-12.5' Interval Submitted for Laboratory Analysis
13–14	1034		15		Dark Brown/Black Urban Fill
15–17	32.8		90	SM	Dark Brown Silty SAND - 15'-17.5' Interval Submitted for Laboratory Analysis
18–19	0.0		90	CL	Dark Brown/Gray CLAY
20					End of Boring at 20 Feet Below Surface Grade
21–22					

PROJECT NAME: **"Nagle" BCP Site ID: C231054**	BORING NUMBER: **SB-05**
PROJECT ADDRESS: **4566 Broadway Avenue New York, NY 10040**	
DRILLING CONTRACTOR: **JC Broderick & Associates, Inc.**	BORING LOCATION: **Center of Subject Property**
DRILLING METHOD: **DT325 Soil Sampling System**	APPROXIMATE GROUND SURFACE ELEVATION: **32 feet Above Sea Level**
DRILLING EQUIPMENT: **Geoprobe® 7720DT**	DATE COMPLETED: **10-26-09**
SAMPLING METHOD: **DT325 Soil Sampling System**	TOTAL DEPTH: **20 Feet** / WEATHER: **Partly Cloudy** / TEMPERATURE: **55°**
RESPONSIBLE PROFESSIONAL: **Steven Muller** / LOGGED BY: **Jeffrey Nannini**	APPROX. DEPTH TO GROUNDWATER: **10 Feet** / MEASURING POINT: **Ground Surface**

DEPTH (feet)	PID RESULTS (ppm)	LITHOLOGIC LOG	% RECOVERY	USCS CLASSIFICATION	DESCRIPTION NAME (USCS): color, moisture, plasitcity density
0					Asphalt
1–2	143		60	SM	Dark Brown Silty SAND
3–4	168		60	CL	Dark Brown CLAY - 2.5'-5' Interval Submitted for Laboratory Analysis
5–6–7	6.3		10	SM	Dark Brown Silty SAND with Cobbles - 7.5'-10' Interval Submitted for Laboratory Analysis
8–9–10	684		10		
10					Groundwater Interface Observed
11–12	330		15	SP	Brown SAND with Cobbles - 10'-12.5' Interval Submitted for Laboratory Analysis
13–14–15	13.2		15		
15–16–17	1257		100	SM	Dark Brown Silty SAND - 15'-17.5' Interval Submitted for Laboratory Analysis
18–19–20	36.4		100	SM	Dark Brown Silty SAND with some Clays
20					End of Boring at 20 Feet Below Surface Grade
21–22					

PROJECT NAME: **"Nagle" BCP Site ID: C231054**	BORING NUMBER: **SB-06**
PROJECT ADDRESS: **4566 Broadway Avenue New York, NY 10040**	
DRILLING CONTRACTOR: **JC Broderick & Associates, Inc.**	BORING LOCATION: **Northeast Corner of 1 Story Brick Building**
DRILLING METHOD: **DT325 Soil Sampling System**	APPROXIMATE GROUND SURFACE ELEVATION: **32 feet Above Sea Level**
DRILLING EQUIPMENT: **Geoprobe® 7720DT**	DATE COMPLETED: **10-27-09**
SAMPLING METHOD: **DT325 Soil Sampling System**	TOTAL DEPTH: **20 Feet** / WEATHER: **Rain** / TEMPERATURE: **54°**
RESPONSIBLE PROFESSIONAL: **Steven Muller** / LOGGED BY: **Jeffrey Nannini**	APPROX. DEPTH TO GROUNDWATER: **10 Feet** / MEASURING POINT: **Ground Surface**

DEPTH (feet)	PID RESULTS (ppm)	LITHOLOGIC LOG	% RECOVERY	USCS CLASSIFICATION	DESCRIPTION NAME (USCS): color, moisture, plasitcity density
0					Asphalt
1	0.0		30	SM	Dark Brown/Brown Silty SAND with Gravels
2					
3	0.0		30	SM	Brown Silty SAND with Cobbles
4					
5					
6	0.0		30		
7					
8	0.0		30	SM	Brown Silty SAND - 7.5'-10' Interval Submitted For Laboratory Analysis
9					
10					Groundwater Interface Observed
11	0.0		30	SM	Brown Silty SAND
12					
13	0.0		30	SM	Brown Silty SAND with some Gravels
14					
15					
16	0.0		60	SM	Dark Brown Silty SAND with Cobbles
17					
18	0.0		60	SM	Dark Brown Silty SAND
19					
20					End of Boring at 20 Feet Below Surface Grade
21					
22					

PROJECT NAME: **"Nagle" BCP Site ID: C231054**	BORING NUMBER: **SB-07**
PROJECT ADDRESS: **4566 Broadway Avenue New York, NY 10040**	
DRILLING CONTRACTOR: **JC Broderick & Associates, Inc.**	BORING LOCATION: **Northwest Corner of 1 Story Brick Building**
DRILLING METHOD: **DT325 Soil Sampling System**	APPROXIMATE GROUND SURFACE ELEVATION: **32 feet Above Sea Level**
DRILLING EQUIPMENT: **Geoprobe® 7720DT**	DATE COMPLETED: **10-27-09**
SAMPLING METHOD: **DT325 Soil Sampling System**	TOTAL DEPTH: **20 Feet** / WEATHER: **Rain** / TEMPERATURE: **54°**
RESPONSIBLE PROFESSIONAL: **Steven Muller** / LOGGED BY: **Jeffrey Nannini**	APPROX. DEPTH TO GROUNDWATER: **10 Feet** / MEASURING POINT: **Ground Surface**

DEPTH (feet)	PID RESULTS (ppm)	LITHOLOGIC LOG	% RECOVERY	USCS CLASSIFICATION	DESCRIPTION NAME (USCS): color, moisture, plasitcity density
0					Asphalt
1–2	0.0		20	SM	Dark Brown Silty SAND with Gravels
3–4	0.0		20		
5–7	0.0		20	SM	Brown Silty SAND with Gravels
8–9	0.0		20	SM	Brown/Dark Brown Silty SAND with Cobbles - 7.5'-10' Interval Submitted For Laboratory Analysis
10					Groundwater Interface Observed
11–12	122		20	SM	Dark Brown Silty SAND and some Urban Fill - 10'-12.5' Interval Submitted for Laboratory Analysis
13–14	11.8		20	SM	Dark Brown Silty SAND with Cobbles and Gravels - 12.5'-15' Interval Submitted for Laboratory Analysis
15–17	0.0		10	SM	Brown Silty SAND
18–19	0.0		10		
20					End of Boring at 20 Feet Below Surface Grade
21–22					

PROJECT NAME: **"Nagle" BCP Site ID: C231054**	BORING NUMBER: **SB-08**
PROJECT ADDRESS: **4566 Broadway Avenue New York, NY 10040**	
DRILLING CONTRACTOR: **JC Broderick & Associates, Inc.**	BORING LOCATION: **Southeast Corner of 1 Story Brick Building**
DRILLING METHOD: **DT325 Soil Sampling System**	APPROXIMATE GROUND SURFACE ELEVATION: **32 feet Above Sea Level**
DRILLING EQUIPMENT: **Geoprobe® 7720DT**	DATE COMPLETED: **10-27-09**
SAMPLING METHOD: **DT325 Soil Sampling System**	TOTAL DEPTH: **20 Feet** / WEATHER: **Rain** / TEMPERATURE: **54°**
RESPONSIBLE PROFESSIONAL: **Steven Muller** / LOGGED BY: **Jeffrey Nannini**	APPROX. DEPTH TO GROUNDWATER: **10 Feet** / MEASURING POINT: **Ground Surface**

DEPTH (feet)	PID RESULTS (ppm)	LITHOLOGIC LOG	% RECOVERY	USCS CLASSIFICATION	DESCRIPTION NAME (USCS): color, moisture, plasitcity density
0					Asphalt
1–2	35.2		20	SM	Dark Brown Silty SAND with Fill and Gravels
3–4	195		20	SM	Dark Brown Silty SAND with some Urban Fill - 2.5'-5' Interval Submitted for Laboratory Analysis
5–9	1354		40	SM	Brown Silty SAND with Cobbles - 5'-10' Interval Submitted for Laboratory Analysis
10					Groundwater Interface Observed
11–12	1182		60	SM	Dark Brown/Black Silty SAND with Gravels - 10'-12.5' Interval Submitted for Laboratory Analysis
13–14	33.9		60	SM	Dark Brown/Black Silty SAND with Cobbles and Gravels
15–17	17.3		100	SM	Dark Brown Silty SAND - 17.5'-20' Interval Submitted for Laboratory Analysis
18–19	22.3		100		
20					End of Boring at 20 Feet Below Surface Grade
21–22					

PROJECT NAME: **"Nagle" BCP Site ID: C231054**	BORING NUMBER: **SB-09**
PROJECT ADDRESS: **4566 Broadway Avenue New York, NY 10040**	
DRILLING CONTRACTOR: **JC Broderick & Associates, Inc.**	BORING LOCATION: **Southwest Corner of 1 Story Brick Building**
DRILLING METHOD: **DT325 Soil Sampling System**	APPROXIMATE GROUND SURFACE ELEVATION: **32 feet Above Sea Level**
DRILLING EQUIPMENT: **Geoprobe® 7720DT**	DATE COMPLETED: **10-27-09**
SAMPLING METHOD: **DT325 Soil Sampling System**	TOTAL DEPTH: **20 Feet** / WEATHER: **Rain** / TEMPERATURE: **54°**
RESPONSIBLE PROFESSIONAL: **Steven Muller** / LOGGED BY: **Jeffrey Nannini**	APPROX. DEPTH TO GROUNDWATER: **10 Feet** / MEASURING POINT: **Ground Surface**

DEPTH (feet)	PID RESULTS (ppm)	LITHOLOGIC LOG	% RECOVERY	USCS CLASSIFICATION	DESCRIPTION NAME (USCS): color, moisture, plasitcity density
0					Asphalt
1–2	0.0		30	SM	Dark Brown Silty SAND with some Fill
3–4	0.0		30		
5–6	0.0		40	SM	Brown/Red Silty SAND
7–8	277		40	SM	Dark Brown Silty SAND with Cobbles - 7.5'-10' Interval Submitted for Laboratory Analysis
9–10					Groundwater Interface Observed
11–12	127		30	SM	Dark Brown/Black Silty SAND with Cobbles - 10'-12.5' Interval Submitted for Laboratory Analysis
13–14	7.3		30	SM	Dark Brown/Black Silty SAND
15–16	0.0		100	SM	Dark Brown Silty SAND - 15'-17.5' Interval Submitted for Laboratory Analysis
17–18	0.0		100		
19–20					End of Boring at 20 Feet Below Surface Grade
21–22					

PROJECT NAME: **"Nagle" BCP Site ID: C231054**	BORING NUMBER: **VP-01**
PROJECT ADDRESS: **4566 Broadway Avenue New York, NY 10040**	
DRILLING CONTRACTOR: **Longshore Environmental**	BORING LOCATION: **Northeast Side of Subject Site**
DRILLING METHOD: **2.125" ID Probe Rods**	TOTAL DEPTH: **12 Feet bsg** / MEASURING POINT: **Ground Surface**
DRILLING EQUIPMENT: **Geoprobe® 6620DT**	GROUND SURFACE ELEVATION: **32 Feet Above Sea Level** / DATE COMPLETED: **12-10-07**
SAMPLING METHOD: **N/A**	DEPTH TO GROUNDWATER: **Not Encountered** / WEATHER: **38° Overcast**
HAMMER WEIGHT: **N/A** / DROP: **N/A**	RESPONSIBLE PROFESSIONAL: **Steven Muller** / LOGGED BY: **C. Tomasello**

DEPTH (feet)

VAPOR POINT CONSTRUCTION

0.0 — Traffic Rated Well Box
PVC Dome Cap
Bentonite Chip Seal #1

1.0

2.0

3.0 — #1 Morie Sand Pack

4.0 — 1.125" diameter Schedule 40 PVC Riser

5.0 — 1/4" diameter Polyethylene Tubing
Bentonite Seal and #1 Morie Sand Pack
(Inside Riser and Screen)

6.0

7.0 — Bentonite Chip Seal #2

8.0

9.0 — #1 Morie Sand Pack

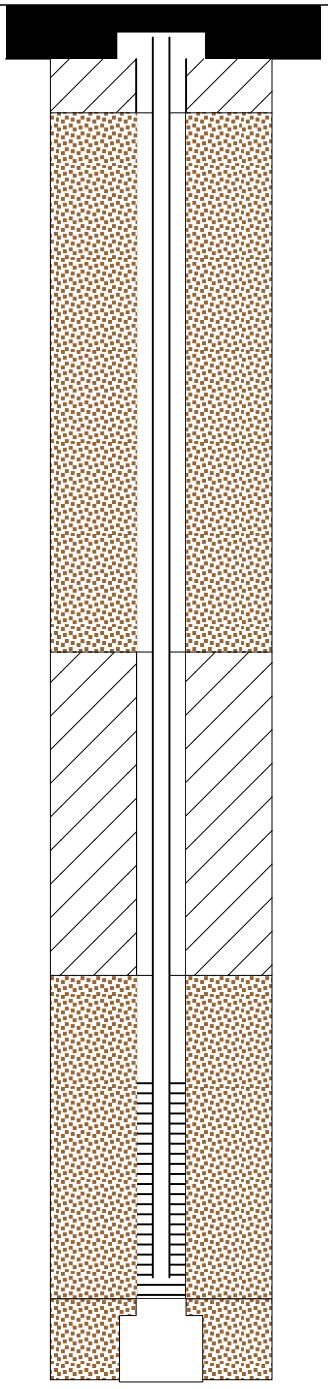
10.0

11.0 — 1.125" diameter 0.020" Slot, Schedule 40
PVC Screen

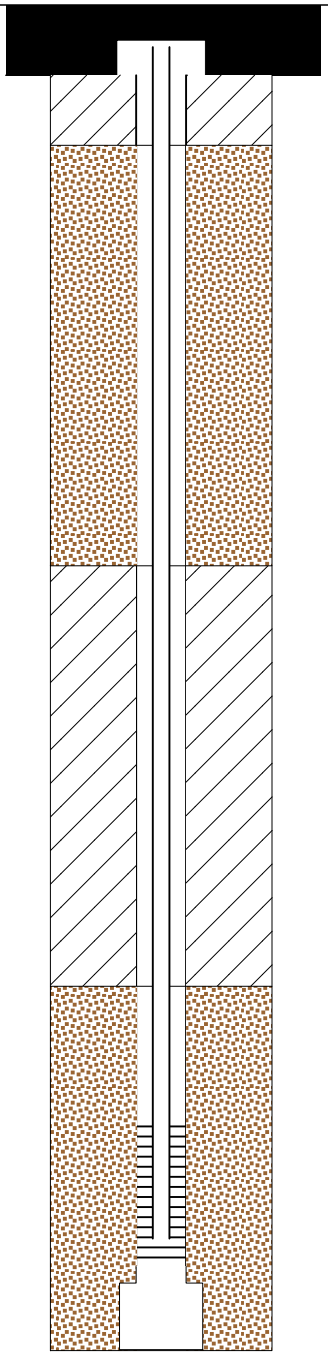
12.0 — PVC End Cap

13.0

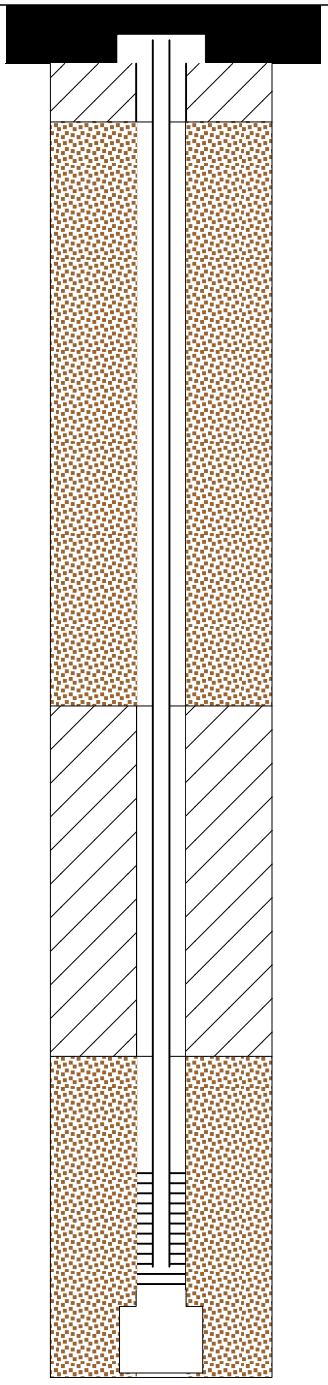
VAPOR POINT LOG



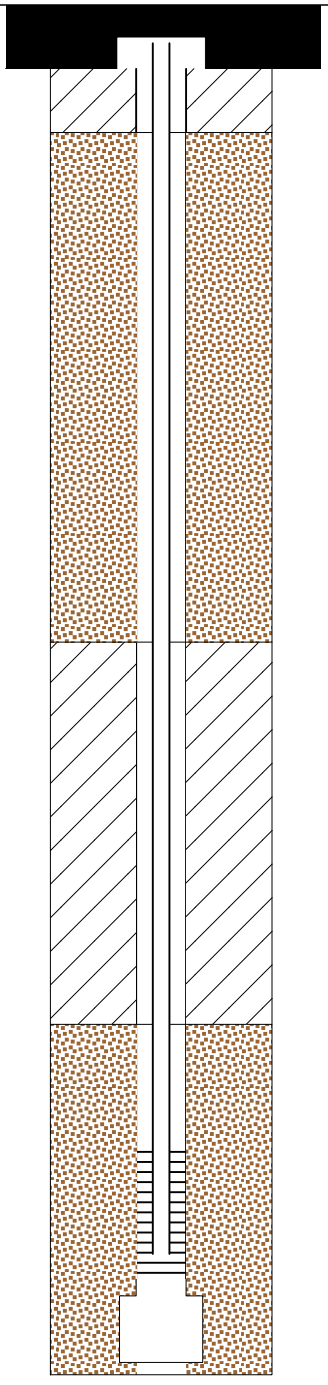
PROJECT NAME: **"Nagle" BCP Site ID: C231054**			BORING NUMBER: **VP-02**
PROJECT ADDRESS: **4566 Broadway Avenue New York, NY 10040**			
DRILLING CONTRACTOR: **Longshore Environmental**			BORING LOCATION: **Northeast Side of Subject Site**
DRILLING METHOD: **2.125" ID Probe Rods**			TOTAL DEPTH: **9 Feet bsg** / MEASURING POINT: **Ground Surface**
DRILLING EQUIPMENT: **Geoprobe® 6620DT**			GROUND SURFACE ELEVATION: **33 Feet Above Sea Level** / DATE COMPLETED: **12-10-07**
SAMPLING METHOD: **N/A**			DEPTH TO GROUNDWATER: **Not Encountered** / WEATHER: **37° Overcast**
HAMMER WEIGHT: **N/A**	DROP: **N/A**		RESPONSIBLE PROFESSIONAL: **Steven Muller** / LOGGED BY: **C. Tomasello**

DEPTH (feet)	VAPOR POINT CONSTRUCTION	VAPOR POINT LOG
0.0	Traffic Rated Well Box PVC Dome Cap	
	Bentonite Chip Seal #1	
1.0		
2.0		
	#1 Morie Sand Pack	
3.0	1.125" diameter Schedule 40 PVC Riser	
4.0		
	1/4" diameter Polyethylene Tubing Bentonite Seal and #1 Morie Sand Pack (Inside Riser and Screen)	
5.0		
	Bentonite Chip Seal #2	
6.0		
7.0		
	#1 Morie Sand Pack	
8.0		
	1.125" diameter 0.020" Slot, Schedule 40 PVC Screen	
9.0		
	PVC End Cap	
10.0		

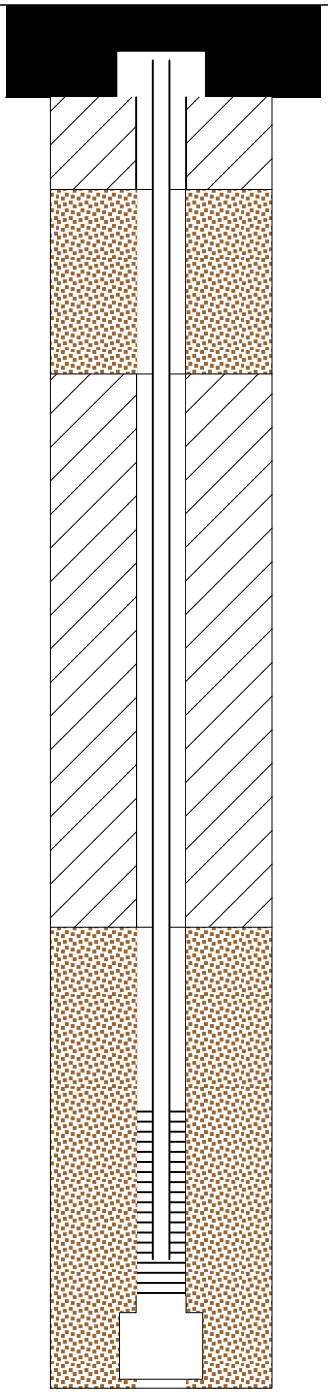
PROJECT NAME: **"Nagle" BCP Site ID: C231054**	BORING NUMBER: **VP-03**
PROJECT ADDRESS: **4566 Broadway Avenue New York, NY 10040**	
DRILLING CONTRACTOR: **Longshore Environmental**	BORING LOCATION: **North Corner of Subject Site**
DRILLING METHOD: **2.125" ID Probe Rods**	TOTAL DEPTH: **11 Feet bsg** / MEASURING POINT: **Ground Surface**
DRILLING EQUIPMENT: **Geoprobe® 6620DT**	GROUND SURFACE ELEVATION: **34 Feet Above Sea Level** / DATE COMPLETED: **12-11-07**
SAMPLING METHOD: **N/A**	DEPTH TO GROUNDWATER: **Not Encountered** / WEATHER: **37° Cloudy**
HAMMER WEIGHT: **N/A** / DROP: **N/A**	RESPONSIBLE PROFESSIONAL: **Steven Muller** / LOGGED BY: **C. Tomasello**

DEPTH (feet)	VAPOR POINT CONSTRUCTION	VAPOR POINT LOG
0.0	Traffic Rated Well Box PVC Dome Cap Bentonite Chip Seal #1	
1.0		
2.0	#1 Morie Sand Pack	
3.0	1.125" diameter Schedule 40 PVC Riser	
4.0	1/4" diameter Polyethylene Tubing Bentonite Seal and #1 Morie Sand Pack (Inside Riser and Screen)	
5.0		
6.0		
7.0	Bentonite Chip Seal #2	
8.0		
9.0	#1 Morie Sand Pack	
10.0	1.125" diameter 0.020" Slot, Schedule 40 PVC Screen	
11.0	PVC End Cap	
12.0		

PROJECT NAME: **"Nagle" BCP Site ID: C231054**	BORING NUMBER: **VP-04**
PROJECT ADDRESS: **4566 Broadway Avenue New York, NY 10040**	
DRILLING CONTRACTOR: **Longshore Environmental**	BORING LOCATION: **Center of Subject Site**
DRILLING METHOD: **2.125" ID Probe Rods**	TOTAL DEPTH: **10 Feet bsg** / MEASURING POINT: **Ground Surface**
DRILLING EQUIPMENT: **Geoprobe® 6620DT**	GROUND SURFACE ELEVATION: **32 Feet Above Sea Level** / DATE COMPLETED: **12-11-07**
SAMPLING METHOD: **N/A**	DEPTH TO GROUNDWATER: **Not Encountered** / WEATHER: **37° Cloudy**
HAMMER WEIGHT: **N/A** / DROP: **N/A**	RESPONSIBLE PROFESSIONAL: **Steven Muller** / LOGGED BY: **C. Tomasello**

DEPTH (feet)	VAPOR POINT CONSTRUCTION	VAPOR POINT LOG
0.0	Traffic Rated Well Box PVC Dome Cap Bentonite Chip Seal #1	
1.0		
2.0	#1 Morie Sand Pack	
3.0	1.125" diameter Schedule 40 PVC Riser	
4.0	1/4" diameter Polyethylene Tubing Bentonite Seal and #1 Morie Sand Pack (Inside Riser and Screen)	
5.0		
6.0	Bentonite Chip Seal #2	
7.0		
8.0	#1 Morie Sand Pack	
9.0	1.125" diameter 0.020" Slot, Schedule 40 PVC Screen	
10.0	PVC End Cap	
11.0		

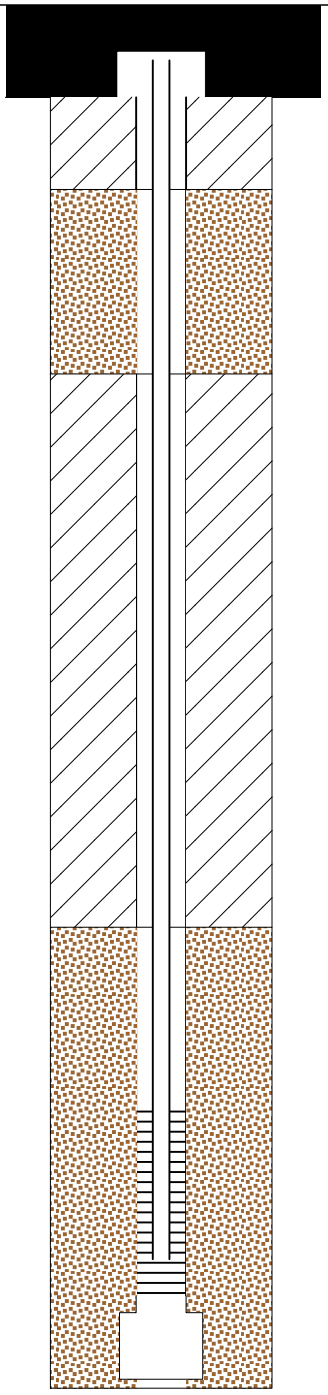
PROJECT NAME: **"Nagle" BCP Site ID: C231054**	BORING NUMBER: **VP-05**
PROJECT ADDRESS: **4566 Broadway Avenue New York, NY 10040**	
DRILLING CONTRACTOR: **Longshore Environmenal**	BORING LOCATION: **South Side of Subject Site**
DRILLING METHOD: **2.125" ID Probe Rods**	TOTAL DEPTH: **7 Feet bsg** / MEASURING POINT: **Ground Surface**
DRILLING EQUIPMENT: **Geoprobe® 6620DT**	GROUND SURFACE ELEVATION: **30 Feet Above Sea Level** / DATE COMPLETED: **12-12-07**
SAMPLING METHOD: **N/A**	DEPTH TO GROUNDWATER: **Not Encountered** / WEATHER: **52° Overcast**
HAMMER WEIGHT: **N/A** / DROP: **N/A**	RESPONSIBLE PROFESSIONAL: **Steven Muller** / LOGGED BY: **C. Tomasello**

DEPTH (feet)	VAPOR POINT CONSTRUCTION	VAPOR POINT LOG
0.0	Traffic Rated Well Box PVC Dome Cap	
	Bentonite Chip Seal #1	
1.0	#1 Morie Sand Pack	
2.0	1/4" diameter Polyethylene Tubing Bentonite Seal and #1 Morie Sand Pack (Inside Riser and Screen)	
3.0	Bentonite Chip Seal #2	
4.0	1.125" diameter Schedule 40 PVC Riser	
5.0	#1 Morie Sand Pack	
6.0	1.125" diameter 0.020" Slot, Schedule 40 PVC Screen	
7.0	PVC End Cap	

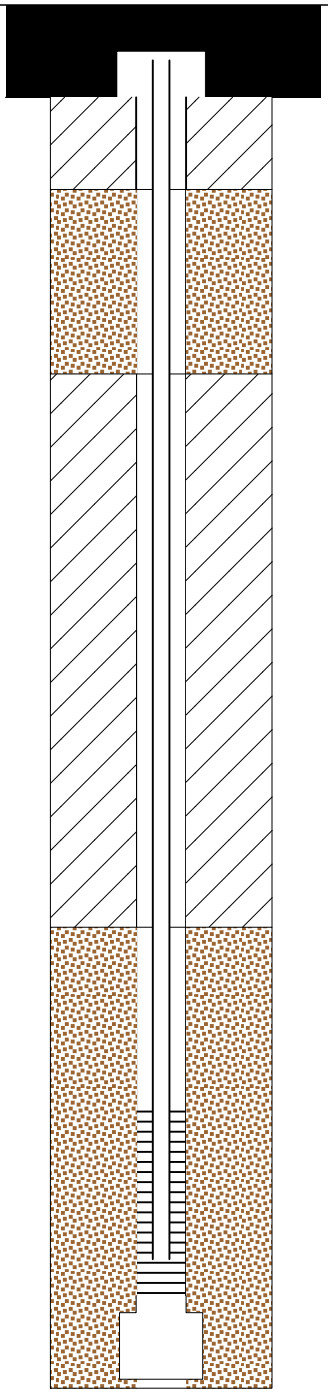
PROJECT NAME: **"Nagle" BCP Site ID: C231054**	BORING NUMBER: **VP-06**
PROJECT ADDRESS: **4566 Broadway Avenue New York, NY 10040**	
DRILLING CONTRACTOR: **Longshore Environmenal**	BORING LOCATION: **South Side of Subject Site**
DRILLING METHOD: **2.125" ID Probe Rods**	TOTAL DEPTH: **7 Feet bsg** / MEASURING POINT: **Ground Surface**
DRILLING EQUIPMENT: **Geoprobe® 6620DT**	GROUND SURFACE ELEVATION: **31 Feet Above Sea Level** / DATE COMPLETED: **12-12-07**
SAMPLING METHOD: **N/A**	DEPTH TO GROUNDWATER: **Not Encountered** / WEATHER: **46° Overcast**
HAMMER WEIGHT: **N/A** / DROP: **N/A**	RESPONSIBLE PROFESSIONAL: **Steven Muller** / LOGGED BY: **C. Tomasello**

DEPTH (feet)	VAPOR POINT CONSTRUCTION
0.0	Traffic Rated Well Box PVC Dome Cap
	Bentonite Chip Seal #1
1.0	
	#1 Morie Sand Pack
	1/4" diameter Polyethylene Tubing Bentonite Seal and #1 Morie Sand Pack (Inside Riser and Screen)
2.0	
3.0	Bentonite Chip Seal #2
4.0	1.125" diameter Schedule 40 PVC Riser
5.0	#1 Morie Sand Pack
6.0	1.125" diameter 0.020" Slot, Schedule 40 PVC Screen
7.0	PVC End Cap

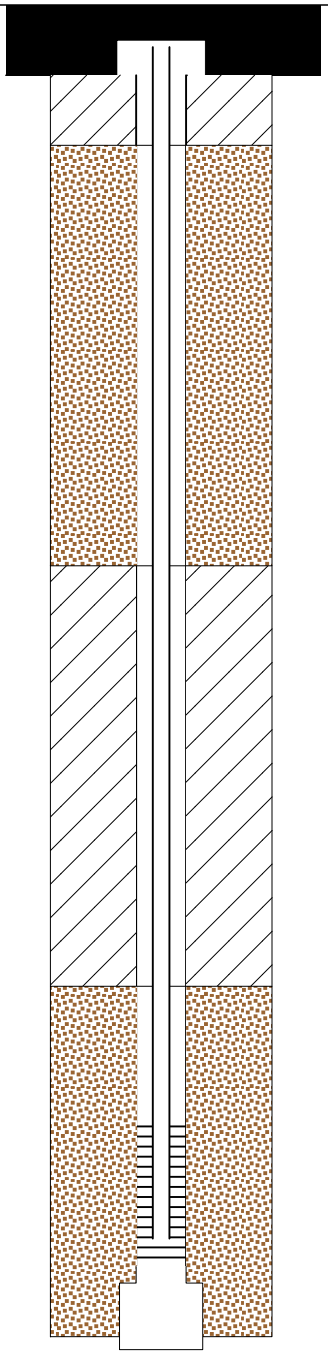
VAPOR POINT LOG



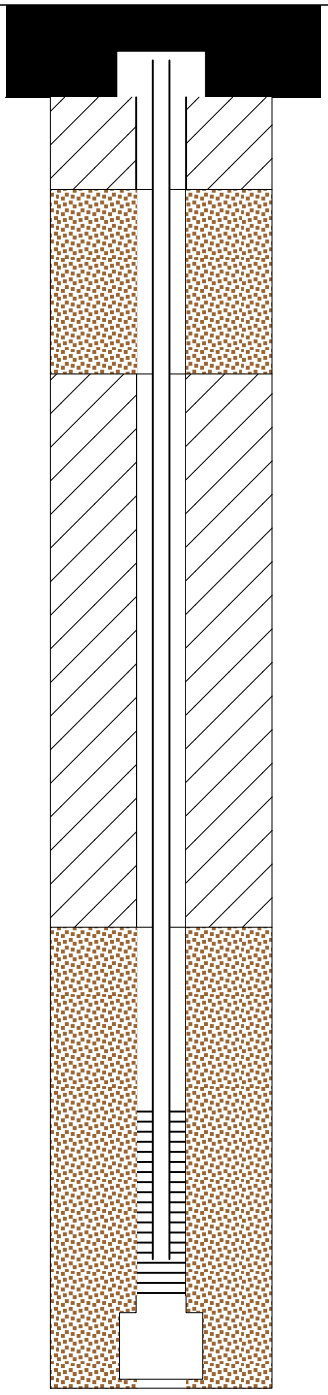
PROJECT NAME: **"Nagle" BCP Site ID: C231054**	BORING NUMBER: **VP-07**
PROJECT ADDRESS: **4566 Broadway Avenue New York, NY 10040**	
DRILLING CONTRACTOR: **Longshore Environmenal**	BORING LOCATION: **West Side of Subject Site**
DRILLING METHOD: **2.125" ID Probe Rods**	TOTAL DEPTH: **7 Feet bsg** / MEASURING POINT: **Ground Surface**
DRILLING EQUIPMENT: **Geoprobe® 6620DT**	GROUND SURFACE ELEVATION: **32 Feet Above Sea Level** / DATE COMPLETED: **12-12-07**
SAMPLING METHOD: **N/A**	DEPTH TO GROUNDWATER: **Not Encountered** / WEATHER: **44° Cloudy**
HAMMER WEIGHT: **N/A** / DROP: **N/A**	RESPONSIBLE PROFESSIONAL: **Steven Muller** / LOGGED BY: **C. Tomasello**

DEPTH (feet)	VAPOR POINT CONSTRUCTION	VAPOR POINT LOG
0.0	Traffic Rated Well Box PVC Dome Cap	
	Bentonite Chip Seal #1	
1.0	#1 Morie Sand Pack	
2.0	1/4" diameter Polyethylene Tubing Bentonite Seal and #1 Morie Sand Pack (Inside Riser and Screen)	
3.0	Bentonite Chip Seal #2	
4.0	1.125" diameter Schedule 40 PVC Riser	
5.0	#1 Morie Sand Pack	
6.0	1.125" diameter 0.020" Slot, Schedule 40 PVC Screen	
7.0	PVC End Cap	

PROJECT NAME: **"Nagle" BCP Site ID: C231054**	BORING NUMBER: **VP-08**
PROJECT ADDRESS: **4566 Broadway Avenue New York, NY 10040**	
DRILLING CONTRACTOR: **Longshore Environmenal**	BORING LOCATION: **Center of Subject Site**
DRILLING METHOD: **2.125" ID Probe Rods**	TOTAL DEPTH: **9 Feet bsg** / MEASURING POINT: **Ground Surface**
DRILLING EQUIPMENT: **Geoprobe® 6620DT**	GROUND SURFACE ELEVATION: **31 Feet Above Sea Level** / DATE COMPLETED: **12-12-07**
SAMPLING METHOD: **N/A**	DEPTH TO GROUNDWATER: **Not Encountered** / WEATHER: **43° Cloudy**
HAMMER WEIGHT: **N/A** / DROP: **N/A**	RESPONSIBLE PROFESSIONAL: **Steven Muller** / LOGGED BY: **C. Tomasello**

DEPTH (feet)	VAPOR POINT CONSTRUCTION	VAPOR POINT LOG
0.0	Traffic Rated Well Box PVC Dome Cap	
	Bentonite Chip Seal #1	
1.0		
	#1 Morie Sand Pack	
2.0		
	1/4" diameter Polyethylene Tubing Bentonite Seal and #1 Morie Sand Pack (Inside Riser and Screen)	
3.0		
4.0	1.125" diameter Schedule 40 PVC Riser	
5.0	Bentonite Chip Seal #2	
6.0		
7.0	#1 Morie Sand Pack	
8.0	1.125" diameter 0.020" Slot, Schedule 40 PVC Screen	
9.0	PVC End Cap	
10.0		

PROJECT NAME: **"Nagle" BCP Site ID: C231054**	BORING NUMBER: **VP-09**
PROJECT ADDRESS: **4566 Broadway Avenue New York, NY 10040**	
DRILLING CONTRACTOR: **Longshore Environmenal**	BORING LOCATION: **East Side of 1 Story Brick Building**
DRILLING METHOD: **2.125" ID Probe Rods**	TOTAL DEPTH: **7 Feet bsg** / MEASURING POINT: **Ground Surface**
DRILLING EQUIPMENT: **Geoprobe® 6620DT**	GROUND SURFACE ELEVATION: **31 Feet Above Sea Level** / DATE COMPLETED: **12-12-07**
SAMPLING METHOD: **N/A**	DEPTH TO GROUNDWATER: **Not Encountered** / WEATHER: **42° Cloudy**
HAMMER WEIGHT: **N/A** / DROP: **N/A**	RESPONSIBLE PROFESSIONAL: **Steven Muller** / LOGGED BY: **C. Tomasello**

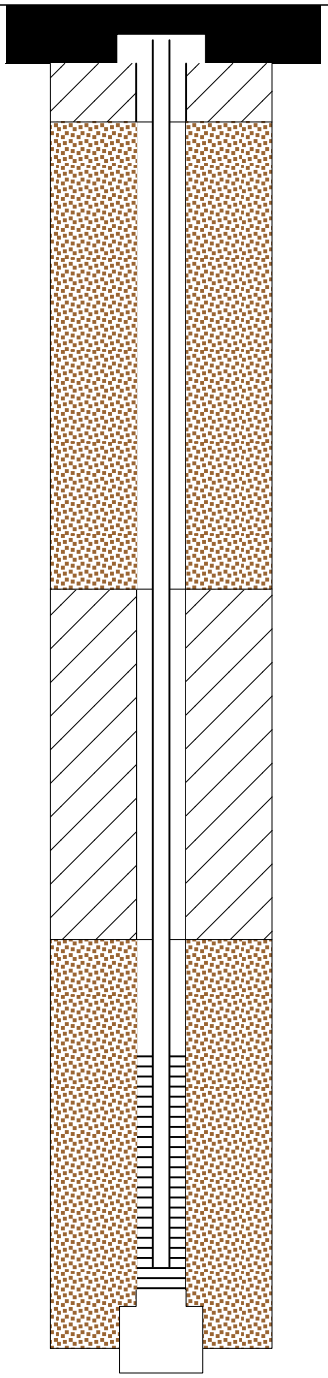
DEPTH (feet)	VAPOR POINT CONSTRUCTION	VAPOR POINT LOG
0.0	Traffic Rated Well Box PVC Dome Cap	
	Bentonite Chip Seal #1	
1.0	#1 Morie Sand Pack	
2.0	1/4" diameter Polyethylene Tubing Bentonite Seal and #1 Morie Sand Pack (Inside Riser and Screen)	
3.0	Bentonite Chip Seal #2	
4.0	1.125" diameter Schedule 40 PVC Riser	
5.0	#1 Morie Sand Pack	
6.0	1.125" diameter 0.020" Slot, Schedule 40 PVC Screen	
7.0	PVC End Cap	

PROJECT NAME: **"Nagle" BCP Site ID: C231054**	BORING NUMBER: **VP-10**
PROJECT ADDRESS: **4566 Broadway Avenue New York, NY 10040**	
DRILLING CONTRACTOR: **Longshore Environmenal**	BORING LOCATION: **Northwest Side of Subject Site**
DRILLING METHOD: **2.125" ID Probe Rods**	TOTAL DEPTH: **11 Feet bsg** / MEASURING POINT: **Ground Surface**
DRILLING EQUIPMENT: **Geoprobe® 6620DT**	GROUND SURFACE ELEVATION: **34 Feet Above Sea Level** / DATE COMPLETED: **12-13-07**
SAMPLING METHOD: **N/A**	DEPTH TO GROUNDWATER: **Not Encountered** / WEATHER: **37° Overcast**
HAMMER WEIGHT: **N/A** / DROP: **N/A**	RESPONSIBLE PROFESSIONAL: **Steven Muller** / LOGGED BY: **C. Tomasello**

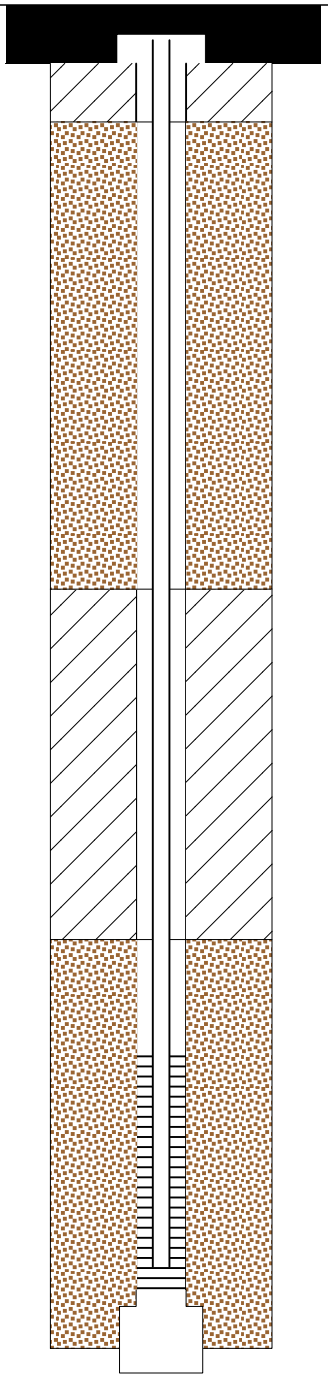
VAPOR POINT CONSTRUCTION

DEPTH (feet)	
0.0	Traffic Rated Well Box PVC Dome Cap
	Bentonite Chip Seal #1
1.0	
2.0	#1 Morie Sand Pack
3.0	1/4" diameter Polyethylene Tubing Bentonite Seal and #1 Morie Sand Pack (Inside Riser and Screen)
4.0	
5.0	1.125" diameter Schedule 40 PVC Riser
6.0	
	Bentonite Chip Seal #2
7.0	
8.0	#1 Morie Sand Pack
9.0	
	1.125" diameter 0.020" Slot, Schedule 40 PVC Screen
10.0	
11.0	PVC End Cap
12.0	

VAPOR POINT LOG



PROJECT NAME: **"Nagle" BCP Site ID: C231054**			BORING NUMBER: **VP-11**
PROJECT ADDRESS: **4566 Broadway Avenue New York, NY 10040**			
DRILLING CONTRACTOR: **Longshore Environmenal**			BORING LOCATION: **Center of Subject Site**
DRILLING METHOD: **2.125" ID Probe Rods**			TOTAL DEPTH: **11 Feet bsg** / MEASURING POINT: **Ground Surface**
DRILLING EQUIPMENT: **Geoprobe® 6620DT**			GROUND SURFACE ELEVATION: **34 Feet Above Sea Level** / DATE COMPLETED: **12-13-07**
SAMPLING METHOD: **N/A**			DEPTH TO GROUNDWATER: **Not Encountered** / WEATHER: **30° Snow**
HAMMER WEIGHT: **N/A**	DROP: **N/A**		RESPONSIBLE PROFESSIONAL: **Steven Muller** / LOGGED BY: **C. Tomasello**

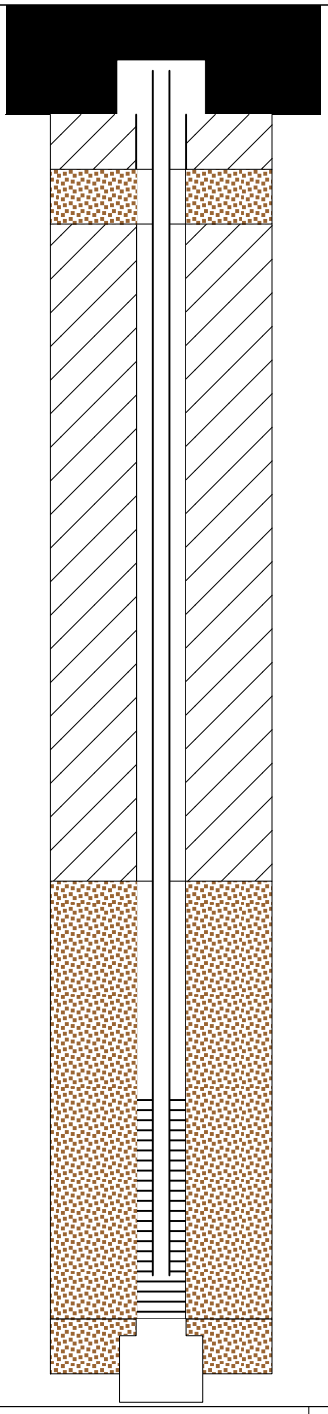
DEPTH (feet)	VAPOR POINT CONSTRUCTION	VAPOR POINT LOG
0.0	Traffic Rated Well Box PVC Dome Cap	
	Bentonite Chip Seal #1	
1.0		
2.0	#1 Morie Sand Pack	
3.0	1/4" diameter Polyethylene Tubing Bentonite Seal and #1 Morie Sand Pack (Inside Riser and Screen)	
4.0		
5.0	1.125" diameter Schedule 40 PVC Riser	
6.0		
	Bentonite Chip Seal #2	
7.0		
8.0	#1 Morie Sand Pack	
9.0		
	1.125" diameter 0.020" Slot, Schedule 40 PVC Screen	
10.0		
11.0	PVC End Cap	
12.0		

PROJECT NAME: **"Nagle" BCP Site ID: C231054**	BORING NUMBER: **VP-11A**
PROJECT ADDRESS: **4566 Broadway Avenue New York, NY 10040**	
DRILLING CONTRACTOR: **JC Broderick & Associates, Inc.**	BORING LOCATION: **South Side of Nagle Avenue**
DRILLING METHOD: **3.25" ID Probe Rods**	TOTAL DEPTH: **6 Feet bsg** / MEASURING POINT: **Ground Surface**
DRILLING EQUIPMENT: **Geoprobe® 7720DT**	GROUND SURFACE ELEVATION: **29 Feet Above Sea Level** / DATE COMPLETED: **11-05-09**
SAMPLING METHOD: **N/A**	DEPTH TO GROUNDWATER: **Not Encountered** / WEATHER: **55° Rain**
HAMMER WEIGHT: **N/A** / DROP: **N/A**	RESPONSIBLE PROFESSIONAL: **Jeffrey Nannini** / LOGGED BY: **Adam Hutchinson**

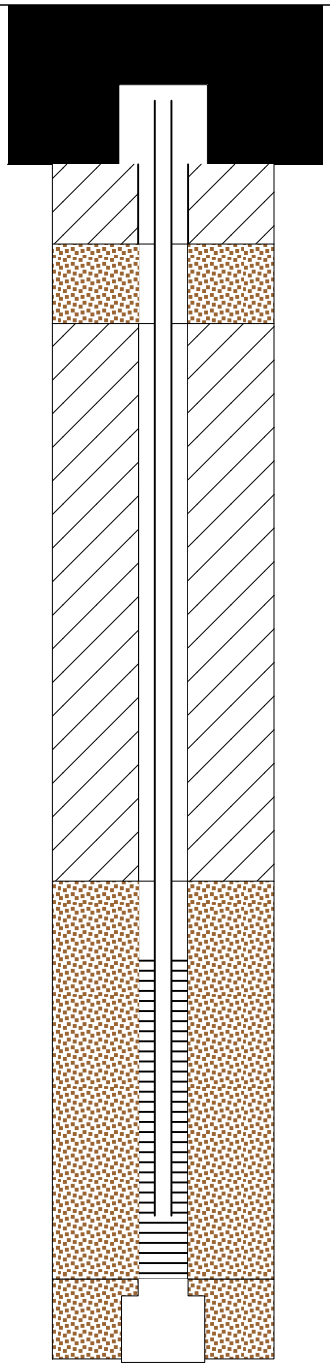
VAPOR POINT CONSTRUCTION

DEPTH (feet)	
0.0	Traffic Rated Well Box
	PVC Dome Cap
	Bentonite Chip Seal #1
	#1 Morie Sand Pack
1.0	
2.0	Bentonite Chip Seal #2
	1/4" diameter Polyethylene Tubing Bentonite Seal and #1 Morie Sand Pack (Inside Riser and Screen)
3.0	
4.0	1.125" diameter Schedule 40 PVC Riser
	#1 Morie Sand Pack
5.0	
	1.125" diameter 0.020" Slot, Schedule 40 PVC Screen
6.0	PVC End Cap

VAPOR POINT LOG



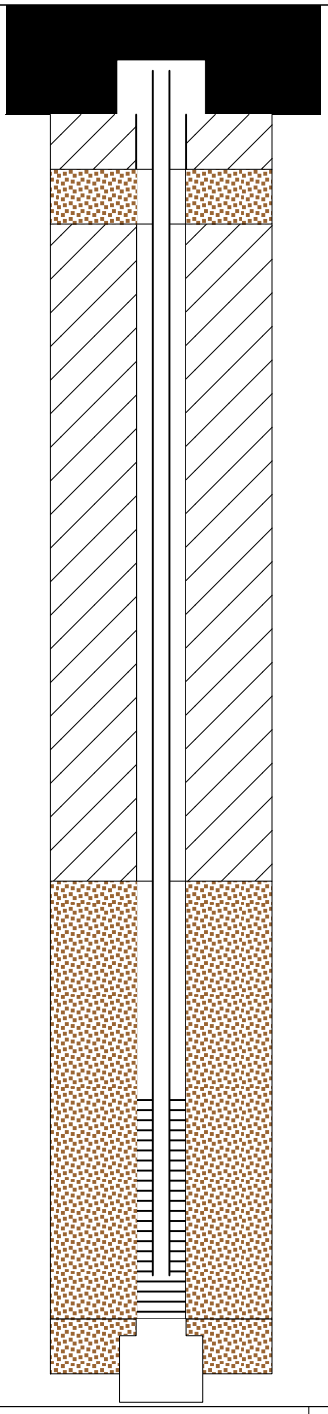
PROJECT NAME: **"Nagle" BCP Site ID: C231054**	BORING NUMBER: **VP-12**
PROJECT ADDRESS: **4566 Broadway Avenue New York, NY 10040**	
DRILLING CONTRACTOR: **JC Broderick & Associates, Inc.**	BORING LOCATION: **North Side of Nagle Avenue**
DRILLING METHOD: **3.25" ID Probe Rods**	TOTAL DEPTH: **4 Feet bsg** / MEASURING POINT: **Ground Surface**
DRILLING EQUIPMENT: **Geoprobe® 7720DT**	GROUND SURFACE ELEVATION: **27 Feet Above Sea Level** / DATE COMPLETED: **11-05-09**
SAMPLING METHOD: **N/A**	DEPTH TO GROUNDWATER: **Not Encountered** / WEATHER: **55° Rain**
HAMMER WEIGHT: **N/A** / DROP: **N/A**	RESPONSIBLE PROFESSIONAL: **Jeffrey Nannini** / LOGGED BY: **Adam Hutchinson**

DEPTH (feet)	VAPOR POINT CONSTRUCTION	VAPOR POINT LOG
0.0	Traffic Rated Well Box	
	PVC Dome Cap	
	Bentonite Chip Seal #1	
	#1 Morie Sand Pack	
1.0		
	Bentonite Chip Seal #2	
	1/4" diameter Polyethylene Tubing	
2.0	Bentonite Seal and #1 Morie Sand Pack (Inside Riser and Screen)	
	1.125" diameter Schedule 40 PVC Riser	
3.0	#1 Morie Sand Pack	
	1.125" diameter 0.020" Slot, Schedule 40 PVC Screen	
4.0	PVC End Cap	

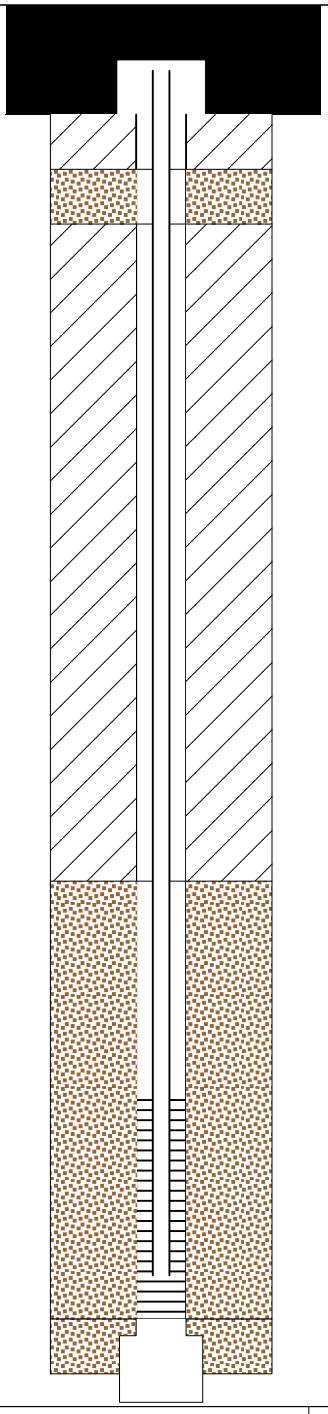
PROJECT NAME: **"Nagle" BCP Site ID: C231054**	BORING NUMBER: **VP-13**
PROJECT ADDRESS: **4566 Broadway Avenue New York, NY 10040**	
DRILLING CONTRACTOR: **JC Broderick & Associates, Inc.**	BORING LOCATION: **South Side of Nagle Avenue**
DRILLING METHOD: **3.25" ID Probe Rods**	TOTAL DEPTH: **6 Feet bsg** / MEASURING POINT: **Ground Surface**
DRILLING EQUIPMENT: **Geoprobe® 7720DT**	GROUND SURFACE ELEVATION: **32 Feet Above Sea Level** / DATE COMPLETED: **03-22-11**
SAMPLING METHOD: **N/A**	DEPTH TO GROUNDWATER: **Not Encountered** / WEATHER: **47° Cloudy**
HAMMER WEIGHT: **N/A** / DROP: **N/A**	RESPONSIBLE PROFESSIONAL: **Jeffrey Nannini** / LOGGED BY: **Adam Hutchinson**

DEPTH (feet)	VAPOR POINT CONSTRUCTION
0.0	Traffic Rated Well Box
	PVC Dome Cap
	Bentonite Chip Seal #1
	#1 Morie Sand Pack
1.0	
2.0	Bentonite Chip Seal #2
	1/4" diameter Polyethylene Tubing Bentonite Seal and #1 Morie Sand Pack (Inside Riser and Screen)
3.0	
4.0	1.125" diameter Schedule 40 PVC Riser
	#1 Morie Sand Pack
5.0	
	1.125" diameter 0.020" Slot, Stainless Steel Screen
6.0	PVC End Cap

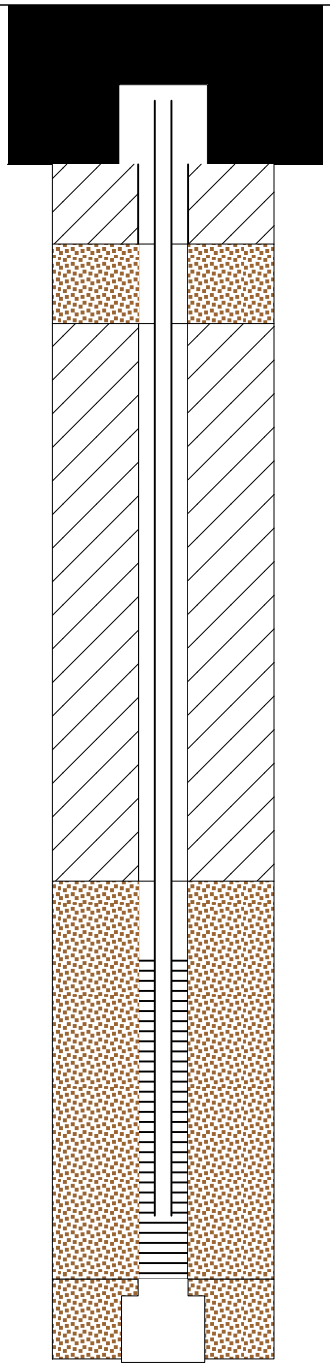
VAPOR POINT LOG



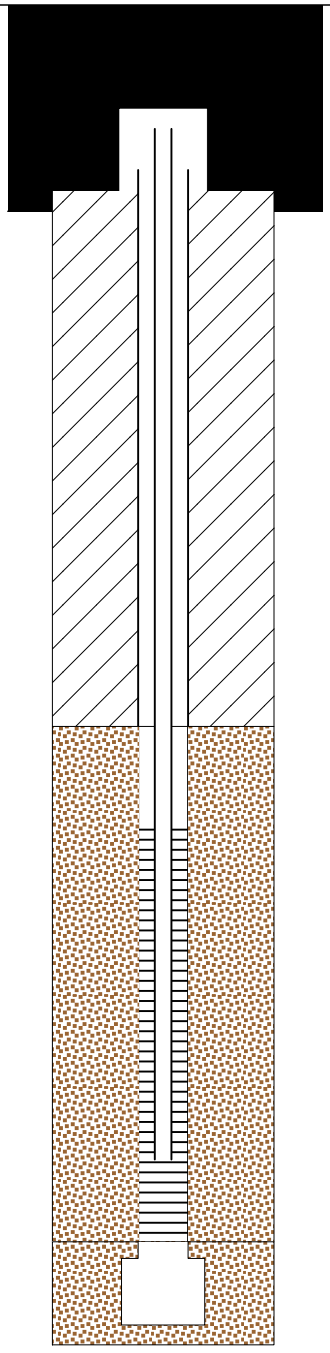
PROJECT NAME: **"Nagle" BCP Site ID: C231054**	BORING NUMBER: **VP-14**
PROJECT ADDRESS: **4566 Broadway Avenue New York, NY 10040**	
DRILLING CONTRACTOR: **JC Broderick & Associates, Inc.**	BORING LOCATION: **Southwest Side of Hillside Avenue**
DRILLING METHOD: **3.25" ID Probe Rods**	TOTAL DEPTH: **6 Feet bsg** / MEASURING POINT: **Ground Surface**
DRILLING EQUIPMENT: **Geoprobe® 7720DT**	GROUND SURFACE ELEVATION: **34 Feet Above Sea Level** / DATE COMPLETED: **03-22-11**
SAMPLING METHOD: **N/A**	DEPTH TO GROUNDWATER: **Not Encountered** / WEATHER: **48° Cloudy**
HAMMER WEIGHT: **N/A** / DROP: **N/A**	RESPONSIBLE PROFESSIONAL: **Jeffrey Nannini** / LOGGED BY: **Adam Hutchinson**

DEPTH (feet)	VAPOR POINT CONSTRUCTION	VAPOR POINT LOG
0.0	Traffic Rated Well Box PVC Dome Cap Bentonite Chip Seal #1 #1 Morie Sand Pack	
1.0		
2.0	Bentonite Chip Seal #2	
3.0	1/4" diameter Polyethylene Tubing Bentonite Seal and #1 Morie Sand Pack (Inside Riser and Screen)	
4.0	1.125" diameter Schedule 40 PVC Riser	
	#1 Morie Sand Pack	
5.0		
	1.125" diameter 0.020" Slot, Stainless Steel Screen	
6.0	PVC End Cap	

PROJECT NAME: **"Nagle" BCP Site ID: C231054**	BORING NUMBER: **VP-15**
PROJECT ADDRESS: **4566 Broadway Avenue New York, NY 10040**	
DRILLING CONTRACTOR: **JC Broderick & Associates, Inc.**	BORING LOCATION: **South Side of Playground**
DRILLING METHOD: **3.25" ID Probe Rods**	TOTAL DEPTH: **4 Feet bsg** / MEASURING POINT: **Ground Surface**
DRILLING EQUIPMENT: **Geoprobe® 7720DT**	GROUND SURFACE ELEVATION: **25 Feet Above Sea Level** / DATE COMPLETED: **03-23-11**
SAMPLING METHOD: **N/A**	DEPTH TO GROUNDWATER: **Not Encountered** / WEATHER: **36° Rain**
HAMMER WEIGHT: **N/A** / DROP: **N/A**	RESPONSIBLE PROFESSIONAL: **Jeffrey Nannini** / LOGGED BY: **Adam Hutchinson**

DEPTH (feet)	VAPOR POINT CONSTRUCTION	VAPOR POINT LOG
0.0	Traffic Rated Well Box	
	PVC Dome Cap	
	Bentonite Chip Seal #1	
	#1 Morie Sand Pack	
1.0		
	Bentonite Chip Seal #2	
	1/4" diameter Polyethylene Tubing	
2.0	Bentonite Seal and #1 Morie Sand Pack (Inside Riser and Screen)	
	1.125" diameter Schedule 40 PVC Riser	
3.0	#1 Morie Sand Pack	
	1.125" diameter 0.020" Slot, Stainlees Steel Screen	
4.0	PVC End Cap	

PROJECT NAME: **"Nagle" BCP Site ID: C231054**	BORING NUMBER: **VP-16**
PROJECT ADDRESS: **4566 Broadway Avenue New York, NY 10040**	
DRILLING CONTRACTOR: **JC Broderick & Associates, Inc.**	BORING LOCATION: **South Side of 54 Nagle Avenue**
DRILLING METHOD: **3.25" ID Probe Rods**	TOTAL DEPTH: **3 Feet bsg** / MEASURING POINT: **Ground Surface**
DRILLING EQUIPMENT: **Geoprobe® 7720DT**	GROUND SURFACE ELEVATION: **23 Feet Above Sea Level** / DATE COMPLETED: **03-23-11**
SAMPLING METHOD: **N/A**	DEPTH TO GROUNDWATER: **Not Encountered** / WEATHER: **35° Rain**
HAMMER WEIGHT: **N/A** / DROP: **N/A**	RESPONSIBLE PROFESSIONAL: **Jeffrey Nannini** / LOGGED BY: **Adam Hutchinson**

DEPTH (feet)	VAPOR POINT CONSTRUCTION	VAPOR POINT LOG
0.0	Traffic Rated Well Box	
	PVC Dome Cap	
	Bentonite Chip Seal #1	
	#1 Morie Sand Pack	
1.0		
	Bentonite Chip Seal #2	
	1.125" diameter Schedule 40 PVC Riser	
	1/4" diameter Polyethylene Tubing Bentonite Seal and #1 Morie Sand Pack (Inside Riser and Screen)	
2.0		
	1.125" diameter 0.020" Slot, Stainlees Steel Screen	
	#1 Morie Sand Pack	
3.0		
	PVC End Cap	