

**Consolidated Edison Company of New
York, Inc.**

Remedial Investigation Report

**East 11th Street Works Site
NYSDEC Site No. V00534**

November 13, 2007

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Remedial Investigation Report

East 11th Street Works Site

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1. Introduction

1.1 Overview

This Remedial Investigation Report (Report) presents the results and findings of the Remedial Investigation (RI) that was conducted on behalf of Consolidated Edison Company of New York, Inc. (Con Edison) during 2006 and 2007 for the East 11th Street Works Site (Site No. V00534), the former grounds of a manufactured gas plant (MGP) that was operated by Con Edison's predecessor companies in the lower East Side of Manhattan, New York. The RI was conducted pursuant Voluntary Cleanup Agreement Index No. D2-0003-02-08 (VCA) by and between the New York State Department of Environmental Conservation (NYSDEC) and Con Edison, and was carried out in conformance with the NYSDEC-approved October 2005 Remedial Investigation Work Plan (RIWP) prepared by TRC Environmental Corporation (TRC).

As specified in Appendix A of the VCA, the East 11th Street Works Site (the Site) is comprised of the following properties:

Street Address	Tax Map Block/Lot Number
Jacob Riis Houses 152 Avenue D, New York, NY	Block 367 Lot 1
Jacob Riis Houses 184 Avenue D, New York, NY	Block 367 Lot 25
Haven Plaza 3 188 Avenue C, New York, NY	Block 382 Lot 1
St. Emeric R.C. Church and School 181 Avenue D, New York, NY	Block 382 Lot 22

Because the results of earlier NYSDEC-approved Site Characterization Study that Con Edison for the Site under the VCA indicated a potential for off-Site migration of MGP-related contamination the RI study area was enlarged to include the sidewalk area along East 13th Street between Avenue D and Szold Place and the portion of the East River Park between East 11th and 13th Street. The East River Park is owned by the City of New York and operated by the New York City Department of Parks and Recreation. The portions of the park included in the RI are designated as Block 316 Lot 114 and Block 316 Lot 200 on the New York City Tax Map for the Borough of Manhattan. The RI study area is shown on Figure 1.

The purpose of RI is to ensure that the nature and extent of the MGP contamination on and around the Site is adequately characterized and delineated so that an effective and reliable remediation strategy can be developed for addressing the contamination. Where appropriate, this Report also incorporates the results and findings of the following environmental investigations completed prior to the RI:

- Site History Report for, East 11th Street Works (Langan Engineering, 2002)
- Indoor Air Quality Study and Soil Gas Survey, completed during 2002 and 2003 for the Saint Emeric School building and the Jacob Riis Houses apartment buildings located on the Site
- Site Characterization Study Report for the Former East 11th Street Works Site, Manhattan, New York - VCA Site # V00534 (TRC, 2005)

1.2 Report Organization

This Report is organized as follows:

- Section 1: Introduction – Discusses the Site setting and history
- Section 2: Summary of Previous Investigations – Summarizes the results and findings of the Site Characterization Study (SC), indoor air quality study, and soil gas survey that were completed for the Site
- Section 3: Investigation Activities – Describes the investigation activities, sampling locations, and sampling and analytical methods of the RI
- Section 4: Field Observations and Findings – Discusses the Site hydrogeology and the distribution of observed Site contamination and environmental impacts
- Section 5: Analytical Results – Presents and interprets the results of the surface soil, subsurface soil, groundwater, indoor air, and soil vapor testing conducted as part of the RI (and earlier SC) and the observed distribution of non-aqueous phase liquid (NAPL) encountered during the RI and earlier SC

- Section 6. Qualitative Human Health Exposure Assessment- Identifies the Compounds of Potential Concern (COPCs) encountered during the RI and earlier SC, potential receptors on and around the Site, and complete exposure pathways
- Section 7. Conceptual Site Model – Discusses the nature and extent of DNAPL in subsurface soil and groundwater across the Site and adjacent areas
- Section 8. Conclusions and Recommendations – Presents a summary of the findings and conclusions drawn, and identifies potential data gaps and recommendations to address potential data gaps
- Section 9. References – Lists the references used for the development of the RI Report

This Report also includes a significant number of attached tables, figures, boring logs and appendices. The compact disk (in pdf format) included with this Report contains additional documentation, including previous investigation reports, laboratory data reports, and data usability reports. A complete list of these items can be found in the Table of contents.

1.3 Gas Works Description

The former East 11th Street Works (Works) was located on the Lower East Side of the Borough of Manhattan, New York City, New York (see Figure 2). Based on a review of historic documents it appears that the footprint of the Works at its most developed stage extended beyond the boundaries of specific properties listed in Appendix A of the VCA. As such for the purpose of the RI, the term “Site” refers to the specific properties listed in the Appendix A of the VCA while the term “Works” refers to the area that encompasses the footprint of the former East 11th Street Works (as that area is defined below).

According to historic documents, the most developed stage of the Works was during the 1920's, when the grounds of the Works encompassed approximately seven acres. At that time, the northern extent of the Works was bounded by East 13th Street (Figure 3). North of East 12th Street the Works extended approximately 450 feet west of Avenue D. North of East 11th Street the Works extended from Avenue D to the East River. Note that East 11th Street between Avenue D and the East River no longer exists. The former location of East 11th Street corresponds approximately to the northern boundary of Jacob Riis Houses Building Nos. 1, 7, and 8.

1.4 Current Land Use

The Site is zoned as a residential district (R7-2) by the New York City Planning Commission and includes land uses designated as multi-level elevator residential buildings, transportation and utility use, and public facilities and institutions. The properties that once composed the grounds of the East 11th Street Works along with the address, current owner, property name, and land use are listed in Table 1.

1.4.1 Block 367 Lot 1 – Jacob Riis Houses

The Jacob Riis Houses apartment complex was completed in 1949 and is owned by the New York City Housing Authority (NYCHA). The Jacob Riis complex consists of 19 multi-story buildings extending from East 6th Street to East 13th Street between Avenue D and the FDR Drive. The portion of the Jacob Riis complex that is located on the former grounds of the Works includes five multi-story brick apartment buildings known as Building Nos. 2, 3, 4, 5, and 6 (Figure 3). In addition to the apartment buildings, the Jacob Riis Houses complex includes landscaped areas and a play area with a basketball court, playground equipment, and several park benches in the center of the complex.

The following buildings in the Works portion of Jacob Riis Houses have basements:

- Building No. 2 located at 170 Avenue D
- Building No. 4 located at 12-23 FDR Drive
- Building No. 6 located at 11-15 FDR Drive

1.4.2 Block 367 Lot 25 – Manhattan Pump Station

The Manhattan Pump Station (also known as the East 13th Street Pump Station) is owned and operated by the New York City Department of Environmental Protection (NYCDEP). The pump station was constructed during the 1960's and consists of a one-story brick building with a parking area on the north side of the building and a vertical surge tank on the east side of the building. The pump station is being upgraded and is currently under construction

1.4.3 Block 382 Lot 22 – Church of St. Emeric

The Church of St Emeric (St. Emeric's), located at 740 East 13th Street, was constructed in 1950. In addition to the Church, the St. Emeric's property includes a multiple-story school building with a basement, a playground area along Avenue D, a corrugated metal Quonset hut-like structure, a small shed, a paved parking lot area, and a landscaped garden area located at 185 Avenue D. The school is currently used as parish offices, along the western boundary of the property.

The school building was built in 1953 as the St. Emeric School – a parochial elementary school. Portions of the foundation of the gas holder that was formerly located on the property are visible in the building's basement. This building is now occupied by the Escuela Hispana Montessori School and used as parish offices, daycare, and Head Start facility with a maximum enrollment of 99 students. To the north and west of the school there is an asphalt parking lot. The recently constructed play area is located along Avenue D between the school building and East 13th Street. The property is surrounded by a chain-link fence.

1.4.4 Block 382 Lot 1 – Haven Plaza

Block 382 Lot 1 consists of six buildings, three of which are located on the former grounds of the Works.

- Three Haven Plaza is a 16-story residential apartment building located at 726 East 13th Street and constructed in 1967.
- A one-story brick garage attached to Three Haven Plaza. The 1976 Sanborn Map depicts a basement beneath the garage.
- A two-story brick building located at 700-722 East 13th Street with approximately 22 apartments is located north of the garage.

1.4.5 Block 316 Lots 114 and 200 – East River Park

The portion of East River Park that was part of the Works extends from approximately 200 feet north of East 10th Street (the former location of East 11th Street) to the northern boundary of present day Block 316 Lot 114. Note historic maps indicate that no MGP-related structures were present on this portion of the grounds of the Works.

1.5 Site History

Based on historical information, the East 11th Street Works began operations sometime between 1859 and 1868 and was shut down in approximately 1933. The history of the Works summarized from the MGP Research report, Site Characterization Study report, and other historical documents is presented in Table 2. An overlay of historic structures developed primarily from the Sanborn maps is presented in Figure 3.

Over its operational period, the Works consisted of 17 gas holders ranging in capacity from approximately 50,000 cubic feet to 5,000,000 cubic feet. Several of the gas holders were converted from gas storage to liquid storage of naphtha, tar or gas oil. The original gas holders built in the late 1800's were most likely constructed with below grade bottoms. Many of these were replaced by large gas holders built on grade with storage capacities greater than 1,000,000 cubic feet of gas. Other production and storage facilities that were present during the operational life of the Works included:

- Retorts
- Fuel/gas oil tanks
- Tar separators
- Purifying houses
- Condensers
- Scrubbers

The initial gas manufacturing process and construction details of the early gasholders could not be determined with certainty from available historical information. It is assumed that the coal carbonization process was used from start up of the Works until at least 1875, because this was the process used exclusively in the gas industry from 1816 to 1875. The Lowe Carburetted Water Gas process, invented in 1873, came into use in the gas industry after 1875, but cannot be determined to have been used at the Works with any certainty until 1903. Based on information from the New York Public Service Commission (PSC) Report for 1907, gas manufacturing using the Lowe process began at the Works in December 1903 and was used exclusively until at least December 31, 1905, and possibly as late as 1915. The historical information reviewed does not indicate the gas manufacturing process used after this time until the Works

were retired in 1933. By 1907, the process consumed approximately 40,000 tons of coal for the making of steam, 10,000,000 gallons of gas oil and 22,000 bushels of oxide for gas purification (PSC, 1907 Annual Report). In 1915, the MGP produced 2.08 billion cubic feet of gas.

2. Summary of Previous Investigations

2.1 Overview

This section summarizes the scope and general findings of the previous Site environmental investigations that preceded the RI and were conducted as part of the VCA.

2.2 Site Characterization Study Report

TRC reported the findings of an SC, conducted on behalf of Con Edison for the East 11th Street Works Site, in March 2005. The following subsections summarize the TRC investigations.

2.2.1 Objectives

The objectives of the field investigations, as stated in the June 2002 NYSDEC-approved Work Plan, were to:

- Confirm the presence or absence of remnant historic MGP structures.
- Determine the presence or absence of any residual MGP waste materials/impacts.
- Identify the presence of contaminant impacts resulting from non-MGP sources.

The June 2002 Site Characterization Work Plan was prepared by Langan Engineering and Environmental Services, P.C. (Langan) and was approved by the NYSDEC by letter dated November 20, 2002. For the purpose of data presentation, the Site was divided into two distinct areas:

- Jacob Riis area – includes Block 367 Lot 1
- Saint Emeric's area – includes Block 382 Lot 22

Access to Block 382 Lot 1 (Haven Plaza) was not obtained before the site characterization was completed therefore it was included in the remedial investigation. Block 316 Lots 114 and 200 (East River Park) were not part of the SC.

2.2.2 Findings

Residuals from the operation of the MGP were identified on both of these areas of the Site. A summary of the primary SC findings for each area is provided below:

2.2.2.1 Jacob Riis Area

Petroleum and/or MGP-related odors were evident in samples from 19 of the 28 soil boring locations. In addition, 16 of the 28 samples contained an oil-like material (OLM) and/or tar-like material (TLM). The northeast portion of the Jacob Riis area (former MGP oil tank and gas holder areas) had the highest number of such observations (11 out of 16), with the remaining five locations with observed OLM and/or TLM in the southeastern portion of the property. Two of the locations had OLM and/or TLM in both the unsaturated and saturated zones; all other observations were in the saturated zone only. The following list summarizes the results of soil and groundwater analyses, and includes a comparison to the Recommended Soil Cleanup Objectives (RSCOs) specified in NYSDEC Technical and Administrative Guidance Memorandum (TAGM) 4046:

- Total volatile organic compounds (VOCs) – exceeded the TAGM RSCO in 12 of the 28 soil boring locations, and in one test trench location
- Total semi-volatile organic compounds (SVOCs) – exceeded the TAGM RSCO in 7 of the 28 soil boring locations, and in two test trench locations
- A total of 7 VOCs, 19 SVOCs and 4 metals were detected in test pits and soil borings at concentrations exceeding their respective TAGM RSCO criteria
- There were no TAGM RSCO exceedances for polychlorinated biphenyls (PCBs) in either the soil borings or the test trench locations
- None of the 64 surface soil samples exhibited an exceedance of the TAGM RSCO for total VOCs, Total SVOCs or individual VOCs (note: only the first 20 samples were analyzed for VOCs)
- Ten SVOCs and five metals were detected in surface soil samples at concentrations exceeding the TAGM RSCO
- Cyanide was not detected in the surface soil samples

- A total of 6 VOCs, 11 SVOCs and lead were detected in groundwater at levels exceeding the NYSDEC Technical and Operational Guidance Series (TOGS) Class GA criteria for groundwater
- One sample of non-aqueous phase liquid (NAPL) was collected from monitoring well MW-3 and submitted for laboratory fingerprint analysis; the sample contained a number of monocyclic aromatic hydrocarbons and naphthalene, characteristic of the water soluble fraction of tar

2.2.2.2 Saint Emeric's Area

MGP-related odors were noted in three of the nine soil boring locations, and petroleum-like odors (gasoline) were noted in two of the nine soil borings. OLM was observed in the saturated zone at one location, while TLM was not observed in any of the soil borings. The following list summarizes the results of soil and groundwater analyses, and includes a comparison to the RSCOs specified in NYSDEC TAGM 4046:

- All soil samples were in compliance with the TAGM RSCO criteria for total SVOCs and PCBs
- Total VOCs exceeded the TAGM RSCO in two soil borings (both are located approximately 15 to 25 feet west of the school building)
- Individual TAGM RSCO exceedances were observed for several VOCs, SVOCs and Resource Conservation and Recovery Act (RCRA) metals
- None of the five surface soil samples had exceedances of the TAGM RSCO for individual VOCs, total SVOCs or PCB's; however, each of the samples had exceedances of individual SVOCs
- There were no TAGM RSCO exceedances for PCBs in either the soil borings or the test trenches
- Metals were detected in several soil borings and test trenches at concentrations which exceeded the TAGM RSCO criteria

- A groundwater sample from monitoring well MW-1 contained lead and several VOCs at concentrations in exceedance of the TOGS Class GA criteria; no measurable NAPL was detected in either of the two wells installed in this area.

2.3 Indoor Air Quality and Soil Gas Study

Prior to the SCS, the RETEC Group (RETEC) conducted two air sampling events (August 2002 and December 2002) for Con Edison at the the Escuela Hispana Montessori School, located on the Saint Emeric property. The results of these sampling events indicated that the quality of the air sampled within the buildings was generally within the range expected for indoor air. Indoor air quality in the school or church buildings did not appear to be impacted by subsurface intrusion of MGP-related vapors (RETEC, May 2003).

RETEC also conducted an indoor air quality and soil gas sampling event in October 2003 for Con Edison at the Jacob Riis property. The results of those studies indicated that the indoor air quality within the apartment buildings located on the former MGP section of the Jacob Riis Houses complex did not appear to be impacted by subsurface intrusion of MGP-related vapors. The results of these studies were presented in a separate report (RETEC, April 2004) prepared for Con Edison and previously submitted to the NYSDEC.

3. Remedial Investigation Activities

The goals and objectives of the RI program as stated in the NYSDEC approved Remedial Investigation Work Plan for the Former East 11th Street Works Manhattan, New York VCA Site # V00534, dated October 2005 were to:

- Delineate the horizontal and vertical extent of residual MGP waste materials/impacts in soil and groundwater identified during the SCS
- Determine the extent and continuity of OLM and TLM in the eastern portion of the Jacob Riis property identified during the SCS
- Delineate the presence and locations of contaminant levels that pose potential risks to human health and/or the environment
- Collect sufficient data in order to develop a proposed site remediation strategy, if necessary.

ARCADIS BBL conducted the majority of the remedial investigation activities between June 2006 and March 2007. Specific activities completed as part of the RI to meet the objectives listed above included:

- Underground utility clearance
- Subsurface soil investigation
- Groundwater investigation
- Field survey
- Indoor air sampling
- Soil vapor sampling
- Chemical analysis of collected soil, groundwater, and vapor samples

Each of these activities is discussed below.

A number of subcontractors were utilized during this remedial investigation as outlined in the table below.

Table 3 Subcontractors Used During Remedial Investigation Activities

Subcontractor	Office Location	Service Provided
All State Power Vac	Brooklyn, NY	Utility clearance
Aquifer Drilling and Testing	New Hyde Park, NY	Utility clearance
Naeva Geophysics	Congers, NY	Utility Clearance
Universal Testing and Inspection	West Babylon, NY	Hollow-stem auger drilling
Boart Longyear Corp.	Windsor, NJ	Rotary sonic drilling
Severn Trent Laboratories	Shelton, CT	Analytical services
CompuChem	Cary, NC	Analytical service
Munoz Engineering, P.C.	New York, NY	Surveying
Triumvariate Environmental	Astoria, NY	Waste transport and disposal
CleanEarth of North Jersey	South Kearny, NY	Waste transport and disposal

All work conducted during the remedial investigation was completed in general conformance with the following documents:

- Draft DER-10 Technical Guidance for Site Investigation and Remediation (NYSDEC, 2002)
- Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH, 2006)
- Remedial Investigation Work Plan For the Former East 11th Street Works Manhattan, New York VCA Site # V00534 (TRC, 2005)
- Field Sampling Plan for the Remedial Investigation of the Former East 11th Street Works (TRC, 2005)
- Health and Safety Plan Former East 11th Street Works Manhattan, New York VCA Site #00534 (BBL, 2005)
- Quality Assurance/Quality Control Project Plan for the Remedial Investigation of the Former East 11th Street Works Manhattan, New York (TRC, 2005)

- Utility Clearance Process for Intrusive Activities Revision 1 (Con Edison 2003)
- Technical Specification No. REM-MGP-2005-01 For Environmental Consulting Services In Support of the Former Manufactured Gas Plant Sites Program (Con Edison, 2005)

3.1 Underground Utility Clearance

Prior to initiation of intrusive investigation activities, sample locations were cleared in accordance with Con Edison's utility clearance procedures. The New York City "One Call" organization was contacted to request utility mark-outs in accordance with Code 753, a minimum of three working days prior to that start of fieldwork. All mark outs by Code 753 participating companies were completed in the specified timeframes in advance of all field-intrusive activities. Renewal calls were made in accordance with the timeframes allowed in the regulations.

As an added precaution for worker safety and to minimize the potential for damage to subsurface utilities, proposed boring locations were cleared by non-mechanical means (e.g. hand digging and vacuum extraction). Soil was excavated, typically to a maximum depth of 5 feet bgs, by non-mechanical means to physically confirm the presence/absence of subsurface utilities at each of the proposed boring locations. If proposed sample locations were determined to be too close to subsurface utilities to safely conduct the field investigations, the boring was relocated to achieve the same investigative objective

3.2 Subsurface Soil Investigation

Subsurface soil investigation activities conducted at the Site included installation of soil borings and subsurface soil sampling. A total of 41 soil borings were completed between June 2006 and February 2007 using a combination of rotary sonic (rotosonic) or hollow-stem auger (HSA) drilling methods. Specific drilling methods for each of the soil borings are described in the soil boring logs provided in Appendix A. Figure 3 presents the locations of soil borings installed during the RI. Note that the soil borings completed during the SCS are also shown on Figure 3.

During rotosonic drilling soil samples were collected continuously to the bottom of the borings using 5 foot long, 4-inch diameter core barrels lined with a plastic sleeve. During HSA drilling a combination of 2-inch and 3-inch outside diameter split-spoons were used to collect soil core continuously to the base of the borings.

Regardless of drilling method used, the completion of the soil borings followed a consistent methodology, as follows:

- Soil samples were retrieved continuously from grade to the total boring depth using either split-spoons (HSA drilling) or plastic lined core barrels (rotasonic drilling).
- Recovered soil samples were reviewed and screened for VOCs using an organic vapor meter equipped with a photoionization detector (PID).
- Selected samples were submitted for laboratory analyses, as described in Section 4.2.1.3.
- Upon completion, borings not to be completed as monitoring wells were tremie-grouted from the bottom of the boring to grade.

Boring locations were later surveyed for position and ground surface elevation.

Table 4 lists the soil boring identification, drilling method, boring depth, general location and purpose as presented in the RIWP for each boring completed during the RI.

Up to five soil samples were collected from each soil boring and submitted under chain of custody protocols to Severn-Trent Laboratories (STL) of Shelton, CT or CompuChem of Cary, NC, for analysis of the following parameters:

- VOCs by United States Environmental Protection Agency (USEPA) Method 8260B
- SVOCs by USEPA Method 8270C
- Priority Pollutant List (PPL) Metals by USEPA Method 6000/7000
- Total cyanide by USEPA Method 9013A

Analytical reports from the respective laboratories are provided on the accompanying CD. The selection rationale of soil samples for analysis followed the procedures presented in the Remedial Investigation Work Plan (TRC, 2006) and is summarized below.

- Within the vadose zone where, based on PID readings and visual and olfactory observation, the strongest evidence of impacts were identified

- At the soil/water table interface
- Within the saturated zone where, based on PID readings and visual and olfactory observation, the strongest evidence of impacts were identified
- Above the top of the first low permeability unit encountered (if any) in the soil boring
- In borings where impacts were apparent based upon field observations, from the interval of apparently clean material below impacted soil (to provide data for vertical delineation)

The specific soil samples collected during the RI along with the sample date, sample depth and analysis performed are listed in Table 5. Analytical methods, sample-handling procedures and laboratory protocols are outlined in the RIWP. Sample analyses followed the NYSDEC ASP-2000 analytical protocol and included quality assurance/quality control (QA/QC) samples as required by the Quality Assurance/Quality Control Project Plan (QAPP) included with the RIWP.

3.3 Groundwater Investigation

3.3.1 Monitoring Well Installation

Groundwater monitoring wells were installed during the RI to better characterize the groundwater quality and flow at the site as well as to determine the presence or absence of NAPL. Specifically, 20 monitoring wells were installed of which four were installed at St. Emeric's, 11 were installed at Jacob Riis, and five were installed at East River Park. SCS and RI monitoring well locations are shown on Figure 3.

Each monitoring well was installed and constructed in conformance with the following specifications:

- Wells were constructed with 2-inch-inside-diameter (ID), threaded, flush-joint, schedule 40 PVC casing and screen
- Screens were 10 feet long with either 10-slot (0.01-inch) or 20-slot (0.02-inch) openings

- A 2-foot-long PVC well casing blank was added below the screen as a sump if DNAPL was observed during soil sampling
- The annulus around the screens was backfilled with appropriately sized clean silica sand (e.g., Morie No. 1) to a minimum height of 2 feet above the top of the screen
- A bentonite pellet seal with a minimum thickness of 2 feet was placed above the sand pack. The bentonite seal (pellets) was allowed to hydrate before placement of grout above the seal
- The remainder of the annular space was filled with a cement-bentonite grout to near the ground surface. The grout was pumped from the bottom up, and was allowed to set for a minimum of 24 hours before well development
- Each monitoring well had a sealed cap (J-plug) and was contained in a flush-mounted vault. The J-plug keeps surface water from infiltrating into the well during rain events, high water conditions, etc.
- The concrete seal or pad was sloped slightly to channel water away from the well, and was deep enough to remain stable during freezing and thawing of the ground. The vaults and concrete pads were completed so that they would not pose a trip hazard

Table 6 summarizes the monitoring well construction details for each well installed at the site. Appendix A includes the monitoring well construction logs.

Monitoring wells were developed a minimum of 24 hours after installation using pump and surge methods. Prior to development, fluid levels and the total depth for each well were measured to the nearest 0.01 foot using a clean electronic oil/water interface probe. No LNAPL or DNAPL was observed in any of the wells to be developed. Dedicated polyethylene tubing with a foot valve and surge block attached was then lowered to the bottom of each well to begin development. Using a Waterra[®] inertial pump, the surge block was repeatedly lifted and dropped (surged) across a short section of the well screen, then lifted to surge sequentially higher sections of the screen until the entire length of the well screen had been developed. Development continued until a minimum of three well volumes had been evacuated and/or for a maximum of 2 hours. Periodic water field parameters were measured during the well purging. These parameters included pH, temperature, conductivity and turbidity. As shown on the well

development logs, field parameters did not stabilize within the allotted timeframe. Purge water was contained within 55-gallon drums staged at the site.

3.3.2 Groundwater Sample Collection

From August 28 through August 31, 2006 groundwater samples were collected from 17 monitoring wells on the Jabob Riis and St. Emeric's properties (Table 5). On March 5, 2007, groundwater samples were collected from the six monitoring wells located across FDR Drive on the East River Park property (Table 5). Groundwater samples were submitted under chain of custody protocols to Severn-Trent Laboratories (STL) of Shelton, Connecticut or CompuChem for analysis of the following parameters:

- VOCs by USEPA Method 8260B
- SVOCs by USEPA Method 8270C
- PPL Metals by USEPA Method 6000/7000
- Total cyanide by USEPA Method 9013A

Prior to sample collection, each monitoring well was gauged to measure and record the static groundwater level and to determine the presence or absence of NAPL. Measurements were recorded in the field notebook. Water level and NAPL measurements are presented on Table 7.

Low-flow purge and sampling was conducted using peristaltic pumps. Groundwater field parameters measured during purging include conductivity, dissolved oxygen (DO), oxidation-reduction potential (ORP), pH and temperature. Field parameters were monitored until stabilized following the criteria set forth in the USEPA's SOP #GW0001 for Low Stress/Flow Groundwater Sampling.

Analytical reports from the respective laboratories are provided on the accompanying CD as appendix B.

3.4 Vapor Sampling

Vapor sampling included the collection of indoor air, ambient air, sub-slab vapor samples (where concrete or other impervious surfaces exist within the basement of the sampled structures) or soil gas samples (where earthen floors exist in these

structures). The sampling event was conducted in accessible portions of the basements at the Jacob Riis Housing Development, Escuela Hispania Montessori Head Start School (formerly St. Emeric's Roman Catholic School), the Church of St. Emeric's, and the Haven Plaza North Co-Op Apartments. The Vapor Intrusion Air Sampling Work Plan (BBL, October 30, 2006) was developed based on the New York State Department of Health (NYSDOH) *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (October 2006; NYSDOH final guidance document).

A total of 26 indoor air, 4 ambient air and 14 soil gas and/or sub-slab gaseous samples were collected, as listed in Table 5. The sampling locations were consistent with locations from previous vapor sampling work at the site and are illustrated on Figure 4. One outdoor ambient air sample (i.e., background sample located upwind) was collected each day and concurrent with of the indoor air sampling. The sample was collected at a height above the ground to represent breathing zones (approximately 3 to 5 feet above ground surface) and away from wind obstructions (e.g., trees or bushes).

3.4.1 Sampling Methodology

The sub-slab vapor, indoor air and ambient air samples were collected in general accordance with the NYSDOH final guidance document. Each sample was collected using a six-liter SUMMA[®] canister equipped with an attached pre-set flow regulator. Batch-certified clean canisters with an initial vacuum of approximately 26 inches of mercury were provided by the laboratory for sample collection. Flow regulators were pre-set by the laboratory to provide uniform sample collection over a 24-hour sampling period except where site conditions or constraints necessitated a shorter sampling period. The flow controller/regulator on the SUMMA[®] canister, as well as with the vacuum in the canister, was used to collect the air samples directly from the subsurface sampling points. The valve on the SUMMA[®] canister was closed when a minimum of two inches of mercury vacuum remained in the canister, leaving a vacuum in the canister as a means for the laboratory to verify the canister did not leak while in transit.

Based on inspection of the basement areas, one of two different sampling strategies was followed:

- For basements with concrete floors, a ½- to 1-inch diameter hole was drilled through the slab and a sample of the soil gas from beneath the slab was collected using a ¼-inch outside diameter stainless steel probe. The hole was sealed around

the probe during sample collection using modeling clay. The probe was then installed into the sub-slab aggregate material (i.e., approximately 2 to 6 inches below the bottom of the slab, depending on conditions encountered). Teflon™-lined tubing was used to connect the sample point to the SUMMA® canister. After installation of the probes, one to three volumes of vapor (i.e., the volume of the sample probe and tube) was purged using the PID prior to collecting the samples. The flow rates for both purging and sample collection did not exceed 0.2 liters per minute. The temporary sample probes were installed and removed the same day that the samples were collected. The sample probes were decontaminated between sampling locations using a low-suds detergent wash and distilled water rinse, followed by drawing of ambient air through the tube via a Gilian pump for a minimum of five minutes.

- A helium tracer gas was used as a QA/QC tool to assess the integrity of the soil vapor probe seal and to confirm that infiltration of air from above the slab did not occur. An inverted plastic bucket was used as an enclosure to keep the tracer gas in contact with the probe during integrity testing, as described in the NYSDOH final guidance document. A portable helium monitoring device was used to analyze a sample of soil vapor prior to and after sample collection. At the completion of sampling, the floor was repaired using a similar material (e.g., Portland cement concrete patch).
- Where the basement inspection indicated that no concrete slab exists (e.g., dirt floor), the tip of the sampling equipment was installed at a depth of 2 to 3 feet below floor elevation within a hand-excavated opening in the floor. The opening was backfilled with the hand-excavated materials and sealed prior to commencing sampling. At dirt floor sampling locations, short circuiting was prevented through the use of a bentonite seal near the ground level. As with the subslab samples, an enclosure with the helium tracer gas was used to assess the integrity of the surface seal, as defined in the NYSDOH final guidance document.

Detailed information was gathered at the time of sampling to document conditions during sampling and to aid in interpreting the test results. The following information was documented in the field book:

- Weather conditions (precipitation, temperature and wind direction) prior to and during the sampling activities
- Date and time (start and end time) each sample was collected

- Sample identification
- Identification of laboratory samplers/regulators/devices
- Purge volumes
- Volume of air/vapor extracted
- Vacuum pressure of canister (before and after sample was collected)
- Chain of custody identification
- Inventory of potential sources of VOCs in the area of the sampling

3.4.2 Laboratory Analyses

The SUMMA[®] canisters were shipped in batches to the laboratory within three days of sample collection. Samples were submitted for laboratory analysis in accordance with the USEPA Compendium Method TO-15, entitled *Determination of VOCs in Air Collected in Specially Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS)*. In addition to the TO-15 Target Analyte List, the samples were analyzed for naphthalene, 2-methylpentane, isopentane, 2,3-dimethylpentane, isooctane, indene, indane and thiopene as defined in the Vapor Intrusion Sampling Work Plan.

3.5 Data Usability Assessment

All analytical data were validated by ARCADIS BBL. According to following USEPA guidance documents:

- SOP Number HW-24, Revision 1, June 1999, Validating Volatile Organic Compounds by SW-846 Method 8260B
- SOP Number HW-22, Revision 2, June 2001, Validating Semi-Volatile Organic Compounds by SW-846 Method 8270
- SOP Number HW-2, Revision 11, January 1992, Evaluation of Metals Data for the CLP Program

In accordance with the QAPP, QA/QC samples were collected periodically throughout the RI. Analytical results for the blind duplicate samples and the corresponding sample are presented in the data summary tables. Data usability summary reports (DUSRs) for all laboratory sample delivery groups are presented in Appendix C.

3.6 Investigation-Derived Waste Management

Investigation-derived waste (IDW) generated during the RI included:

- Drill cuttings
- Development and purge water
- Personal protective equipment
- Sampling equipment

All IDW was placed in Department of Transportation (DOT)-approved 55-gallon closed-topped drums. The drums were labeled as investigation-derived waste and temporarily stored in a secured area designated by Con Edison. The drums were stored on wooden pallets in a plastic-lined containment area until waste characterization results were received from the analytical laboratory (CompuChem or STL). Once the waste characterization results were received the IDW was transported offsite and disposal at a Con Edison-approved disposal facility.

3.7 Survey

Munoz Engineering, P.C. completed a detailed survey of all investigation locations, including position, surface elevation, and, in the case of monitoring wells, measuring-point elevations. The elevations shown in this report are in Borough President of Manhattan Vertical Datum, which is 2.75 feet above mean sea level at the National Oceanic and Atmospheric Administration (NOAA) station No. 8531680 located in Sandy Hook, New Jersey. All surface coordinates are shown in NAD 83 New York State Plane Coordinate System.

4. Field Observations and Findings

This section summarizes field observations including geology, hydrogeology, and MGP-related impacts. This summary is based on information obtained from published sources and from the 40 RI soil borings, 40 SCS borings, 15 SCS test trenches, and 27 groundwater monitoring wells.

4.1 Regional Geological Setting

Bedrock beneath the site is gneiss of the Ravenswood Unit (Baskerville, 1994), located at least 90 feet below ground surface (bgs). None of the soil borings completed during the SCS or RI encountered bedrock.

Overburden materials at the site include - from the surface downward - fill, alluvium and glacial deposits. The fill material consists of typical urban debris including reworked gravel, sand and clay as well as various types of anthropogenic material such as concrete, brick, ash, cinder, glass etc. The alluvium and glacial deposits consist of interbedded well-sorted gravel, sand, silt and clay.

Most of the fill materials were placed during filling of the river to extend usable land surface eastward during the 19th and early 20th centuries by constructing timber cribbing and filling in it with cinders, ash, and spoils from construction sites. The historic Manhattan shoreline had been located along the south side of East 13th Street and the west side of Avenue D. Areas north of East 13th Street and east of Avenue D were under water prior to being filled (Baskerville, 1994). This was confirmed by historic Perris & Browne maps and Sanborn Fire Insurance maps reviewed by ARCADIS BBL. The bulkhead in the 1850's ran along the west side of Avenue D, inland from the original shoreline. By 1879 the shoreline had been extended east of the current location of FDR Drive. The bulkhead in 1920 extended even farther into the East River in some locations, while in the northern portion of the site the 1920 bulkhead was inland when compared to the 1879 shoreline. Historic shoreline locations are shown on Figure 3 and are indicated in the cross sections where applicable.

Groundwater is typically first encountered in the fill or alluvial deposits. Groundwater flow is generally toward the East River with minor deviations due to underground structures or conduits.

4.2 Site Geology

Three stratigraphic units were encountered during the SCS and RI; Fill Unit, Sand-Silt Unit and Silty-Clay Unit. The Fill Unit was the uppermost unit encountered of which the top represents the present-day surface of the site. The Fill Unit is underlain by the Sand-Silt Unit which is underlain by the Silty-Clay Unit. These units are depicted on six generalized cross-sections (Figures 5 through 10). Cross sections A-A', B-B' and E-E' trend east to west, while cross sections C-C', D-D', and F-F' trend generally north-south. Cross section locations and the associated boring locations included in each cross-section are shown on Figure 3. The inferred shallow water table surface, location of former MGP structures, and visual observations of impacts are also depicted in each of the cross-sections. Note that the inferred bottom elevation of the East River depicted on the cross-sections is based on soundings in the East River as shown on the National Oceanic and Atmospheric (NOAA) Nautical Chart No. 12335 dated April 2000.

Each of the stratigraphic units encountered at the property are described in further detail below.

4.2.1 Fill Unit

The Fill Unit comprises materials typically found in urban environments such as Manhattan (urban fill). The Fill Unit consists of construction debris (brick, cinders, ash, and wood) intermingled with undifferentiated brown to black sand, cobbles, gravel and silt.

The thickness of the Fill Unit ranges from 7 to 30 feet. The thickness of this unit generally increases from west to east, consistent with the progressive extension of the East River shoreline during the 19th and early 20th centuries (Figures 5, 6 and 9). The maximum thickness of 30 feet was observed in the northeastern portion of the site (Figure 8).

4.2.2 Sand-Silt Unit

The Sand-Silt Unit underlies the Fill Unit and consists of fine to medium sand with silt and clay lenses and trace gravel lenses. Organic material and shell fragments were also observed in the Sand-Silt Unit, pointing to the inferred alluvial origin of this unit. The Sand-Silt Unit is laterally continuous beneath the site and varies in thickness from 10 feet to 35 feet (Figures 5 through 10). In general the Sand-Silt Unit thickens from

east to west with the greatest thickness encountered in borings SB-133, SB-133, and SB-134 located on St. Emeric's and Haven Plaza properties (Figures 5 and 9).

4.2.3 Silt-Clay Unit

The Silt-Clay Unit underlies the Sand-Silt Unit and consists of variably colored silt and clay with trace fine sand. The Silty-Clay Unit was encountered in most soil borings completed during the RI that were located on the Jacob Riis and East River Park properties (Figures 5 through 10), with the exception of borings MW-107B, SB-108, and SB-109, located on the northern edge of the Jacob Riis property. The Silt-Clay Unit was not encountered in soil borings completed on the western portion of St. Emeric's and Haven Plaza properties (Figures 5 and 9). As per the RIWP each of the borings located on St. Emeric's and Haven Plaza was advanced to a maximum depth of 50 feet bgs. Since the Silt-Clay Unit was not encountered it is unknown if this unit is absent or present below 50 feet bgs. The thickness of the Silty-Clay Unit beneath the site is unknown.

The inferred elevation of the top of the Silty-Clay Unit is illustrated in Figure 11. The elevation contours in Figure 10 were generated using all soil borings that were advanced to the Silt-Clay Unit during the SCS and RI. From Figure 11, the Silt-Clay Unit is shallowest in the area beneath Jacob Riis buildings No. 2 and 3. (also see Figures 5 and 7). In this area the depth to the Silt-Clay Unit is approximately 25 feet bgs. As illustrated in Figure 11 the depth to the Silt-Clay Unit increases to the north and toward the East River.

4.3 Site Hydrogeology

Based on lithologic properties the Fill and Sand-Silt Units appear to be permeable units whereas the Silt-Clay Unit appears to be semi-confining. In most soil borings completed during the SCS and RI saturated soil conditions were first encountered in the Fill Unit and as such the Fill Unit along with the Sand-Silt Unit represents a shallow unconfined aquifer (or water table aquifer).

Groundwater elevations in the water table aquifer are illustrated on Figure 12. Groundwater contours were developed using depth to groundwater measurements collected on March 5, 2007 in each of the shallow wells installed during the RI. Note as previously discussed shallow monitoring wells were screened across the water table surface (see Table 6 for monitoring well construction details). From Figure 12, shallow

groundwater appears to flow in a radial pattern from a groundwater mound centered in the vicinity of MW-115A and MW-121A.

From Figure 12, horizontal hydraulic gradients in the water table range from 0.01 feet/foot near MS-130A to 0.004 feet/foot north of MW-115A. A comparison of water levels in adjacent wells screened across the water table as well as deeper in the Sand-Silt Unit (i.e. paired wells) indicates that both downward and upward vertical hydraulic gradients exist at the site. Downward hydraulic gradients are present in the paired wells MW-107, MW-111, MW-121, MW-122, and MW-125. The greatest downward vertical gradient was measured between MW-121A and MW-121B which suggests an area of recharge. Upward hydraulic gradients are present in the paired wells MW-127, MW-128, and MW-130 which are each located adjacent to the East River. Upward hydraulic gradients in these wells indicate that shallow groundwater discharges to the East River. Note that surface water elevations in the East River in the area of the site are influenced by tides. According to NOAA, the mean tidal range at the Williamsburg Bridge (NOAA station no. 8518687), located about 0.6 miles south of the site, is 4.2 feet. Water elevations based on NAVD typically range from 2.0 feet to -2.0 feet.

4.4 Field Observations of MGP-related Impacts

This subsection presents the field observations of potential MGP-related impacts and remnants of former MGP structures, as well as an assessment of the distribution of MGP-related impacts and NAPL relative to potential source areas.

4.4.1 Potential Sources of Impacts

Former MGP structures located on the East 11th Street Works included gas holders, above and below ground fuel oil tanks, a retort house, a scrubber house, an oil separating house, a superheating house, purifying and condenser houses, and a coal shed.

By 1868 there were four gas holders in St Emeric's and at least nine gas holders of different sizes in the Jacob Riis portion of the site. By 1920 most of these gas holders had been replaced by larger structures. A 4,225,000 cubic feet gas holder and 5,000,000 cubic feet gas holder were located on the western portion of Jacob Riis. Gas holder No. 9 (5,000,000 cubic feet in size) occupied the eastern portion of St Emeric's. Some of the smaller holders used as gas holders in 1868 on the northeastern portion of Jacob Riis were later used as tar tanks or gas oil tanks in the 1900's. The former location of MGP structures is shown on Figure 3.

In addition to the potential MGP sources at the site, other non-MGP related sources of hydrocarbons were identified during the SCS within a ½-mile radius of the site, including 24 leaking storage tank incidents. Given the historic commercial use of the vicinity of the site, unidentified potential sources have likely impacted the subsurface quality at the site.

4.4.2 Field Observations of Potential Impacts

Both petroleum and MGP-related impacts were observed during the SCS and the RI. Evidence of impacts included odors, staining, sheens, oil-like material (OLM) and tar-like material (TLM). RI field observations in conjunction with those made during the SCS are summarized in Table 9 and presented graphically in Figures 13 through 17. As noted above field observations of sheen, OLM, and TLM are also depicted on the cross-sections in Figures 5 through 10.

From Table 9, petroleum, gasoline, solvent-like, and MGP odors were identified during the SCS and RI.

For the purposes of this report, OLM is used to denote visible contamination that may be of petroleum or MGP origin that has an apparent viscosity similar to oil, while TLM are used to denote black, highly viscous material (including material that appears to be solid) likely of MGP origin.

In general, sheens, OLM and TLM were only observed in the Fill and Sand-Silt Units, with the majority of the impacts occurring in the Fill Unit. Sheens, OLM and TLM were not observed in the Silty-Clay Unit indicating the Silty-Clay Unit acts as a confining layer to the downward migration of OLM and TLM. For example as illustrated in Figure 5 (cross-section A-A') in SCS boring B-32 TLM, OLM and sheens were observed through the Fill and Sand-Silt Units but not in the underlying Silty-Clay Unit.

Figures 13 through 17 illustrate the distribution of OLM, TLM, and sheens in subsurface soil at 10-foot intervals. For example the distribution of OLM, TLM, and sheens from 0 to 10 feet bgs is shown on Figure 13. Only borings which extended to the depth interval illustrated on the figure are shown on the figure.

The distribution of sheens, OLM and TLM within the 0 to 10 foot subsurface interval are illustrated in Figure 13. For the most part this depth interval consists of the Fill Unit (Figures 5 and 8). From Figure 13, OLM and TLM are limited to the eastern half of the Jacob Riis property north of building nos. 1, 7, and 8. As shown on Figure 3, this area

corresponds to the primary location of MGP operations. The majority of the OLM and TLM observed within this interval were present between seven and 10 feet bgs (see Table 9). Exceptions included soil boring B-5 in which OLM was observed from three to five feet bgs and test trench TT-16 in which a seam of TLM was observed between two and four feet bgs. No OLM or TLM was observed within this interval at the East River Park, St. Emeric's and Haven Plaza properties.

The distribution of sheens, OLM and TLM within the 10 to 20 foot subsurface interval are illustrated in Figure 14. This depth interval consists mostly of the Fill Unit in the eastern half of the site and the Fill and Silty-Sand Units in the western half of the site. From Figure 14, the distribution of OLM and TLM is more widespread in the 10 to 20 foot interval than the 0 to 10 foot interval. In addition to the Jacob Riis property, TLM and OLM were observed in the 10 to 20 foot interval at the East River Park and St. Emeric's properties.

The distribution of sheens, OLM and TLM within the 20 to 30 foot subsurface interval are illustrated in Figure 15. For the most part this depth interval consists of the Sand-Silt Unit (Figures 5 and 8). The distribution of OLM and TLM within the 20-30 foot interval is similar to the distribution of TLM and OLM in the 10 to 20 foot interval.

The distribution of sheens, OLM and TLM within the 30 to 40 foot subsurface interval are illustrated in Figure 16. For the most part this depth interval consists of the Silt-Clay Unit (Figure 11). From Figure 16, the only observation of TLM and OLM in this interval occurs in the northeast portion of the Jacob Riis property where the Sand-Silt Unit is present at this depth interval (Figure 5 and 8).

The distribution of sheens, OLM and TLM within the 40 to 50 foot subsurface interval are illustrated in Figure 17. From Figure 17, no OLM or TLM was observed within the 40 to 50 foot subsurface interval. A sheen was observed in SB-127 located on the East River Park property.

As noted above two rounds of water level and NAPL measurement were completed during the RI. Results of the NAPL measurement are provided in Table 7. Measurable DNAPL was identified in three monitoring wells (MW-3, MW-5, and MW-111B) in August 2006. Measured DNAPL ranged from 0.3 to 1.6 feet. Each of these wells are screened in the Sand-Silt Unit and located in or adjacent to potential source areas along the eastern edge of the Jacob Riis property. Measurable DNAPL was not identified in any of the wells during the March 2007 groundwater sampling event. However, DNAPL was detected on the monitoring probe used to measure DNAPL in

MW-1, MW-5, and MW-111B. MW-1 is located on St. Emeric's property within the footprint of a former gas holder.

5. Analytical Results

This section presents the environmental conditions present in surface soil, subsurface soil, groundwater, soil vapor and indoor air. The discussion is based on environmental samples and field observations collected during the SCS and RI field investigative phases of the remedial investigation. Analytical results are provided in tabular form for each environmental media. Where appropriate applicable analytical data for each medium are compared to cleanup objectives and/or screening criteria to identify *constituents of potential concern* (COPCs). COPCs are defined as any constituent that is detected at a concentration greater than a cleanup objective or screening value. Note that analytical results which exceed the SCO/groundwater standards or guidance values are bolded and shaded gray in the summary tables. The environmental conditions in each sample media are also illustrated in figures as an aid to evaluate the vertical and horizontal distribution of target compounds at the Site.

Based on the data validation as discussed in the DUSRs, it is concluded that the data quality is usable for the purposes of satisfying the project objectives.

5.1 Screening Criteria

Surface and subsurface soil data were compared to 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) (NYSDEC, 2006). These SCOs represent the most conservative values of the human health, groundwater, and ecological SCOs. Specifically, the human-health based SCOs were developed to represent exposure of a child resident and an adult resident to soils via ingestion, inhalation, dermal contact, and through consumption of homegrown vegetable and animal products. The groundwater SCOs are protective of groundwater via the soil to groundwater migration pathway (i.e., soil leaching and groundwater transport). The ecological SCOs are protective of ecological resources (i.e., wildlife). The final unrestricted use SCOs also incorporate the rural soil background concentrations determined by the NYSDEC/NYSDOH rural soil survey (NYSDEC, 2006). For purposes of this analysis, if the final unrestricted use SCO was the ecological SCO, the lower of the human health and groundwater SCO was used instead.

For groundwater, standards and/or guidance values from the NYSDEC (1998) Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations were used to identify COPCs. Specifically, Class GA standards and guidance values were used to

screen groundwater data. These standards and guidance values are considered protective of drinking water sources.

Air samples were collected as part of the SC and RI to determine if there is a complete transport pathway of MGP-related VOCs from soil gas and/or subslab vapor to indoor air. Note that benzene, toluene, ethylbenzene, xylene(s) (BTEX) and naphthalene are the most likely MGP-related VOCs that may be present in air or soil vapor. If a complete transport pathway for MGP-related VOCs exists in indoor air then both of the following environmental conditions must be present:

- The same compound must be present in indoor air and ambient air or soil vapor
- The concentration in ambient air or soil vapor must be greater than the concentration in indoor air

Note the second condition assumes there is no indoor source of BTEX or naphthalene present.

Indoor air sample results were compared to ambient air, soil gas and subslab vapor results as well as the 75th percentile, 90th percentile and upper fence (Upper F) criteria of the NYSDOH 2003 Study of Volatile Organic Chemicals in Air of Fuel Oil Heated Homes (NYSDOH, 2006). Even though the indoor air samples were collected in buildings that are not heated by fuel oil, the 2006 NYSDOH guidance states “the Upper Fence values from the NYSDOH Fuel Oil Study data may be used as initial benchmarks when evaluating residential indoor air”. Note that the state of New York does not have any standards, criteria or guidance values for concentrations of volatile chemicals in subsurface vapors including soil vapor and subslab vapor (NYSDOH, 2006).

5.2 Surface Soil

The evaluation of the environmental conditions in surface soil is based on 59 surface soil samples collected at the Jacob Riis property and five surface soil samples collected at the St. Emeric's. All surface soil samples were collected during the site characterization. Surface soil samples were collected from the 0 to 0.2 ft bgs interval. Validated analytical results for VOCs, SVOCs, and inorganics including cyanide surface soil samples are provided in Tables 10, 11, and 12 respectively. PCB analytical results are also provided in Table 11. In addition to individual compound results the total VOC and total SVOC content for each surface soil sample is provided

in Table 10 and 11 respectively. The NYSDOH benzo(a)pyrene total equivalency factor is also provided in Table 12. Summary statistics including the minimum and maximum detected concentration, total number of samples, number and percent of each compound detected and number and frequency of samples detected above the SCO is provided in Table 13.

5.2.1 VOCs

From Table 10, VOCs were detected in two surface soil samples. Toluene was detected in sample SS-2 located in the northeast portion of the Jacob Riis houses and cyclohexane (a possible laboratory contaminant) was detected in sample SS-14 located in the southwest portion of the Jacob Riis houses (Figure 18). Note the detected concentration of toluene in SS-2 (2.4 ug/kg) is less than the unrestricted use SCO of 700 ug/kg.

5.2.2 SVOCs

From Table 11, SVOCs detected in surface soil included polycyclic aromatic hydrocarbon (PAH) compounds as well as other SVOCs including bis(2-ethylhexyl)phthalate, carbazole, 2-Methylnaphthalene, dibenzofuran, di-n-butylphthalate, butylbenzylphthalate, 1,1-Biphenyl, 4-Nitrophenol, and di-n-octyl phthalate

Benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, fluoranthene, phenanthrene, and pyrene were detected in each surface soil (Table 13). Except for dibenz(a,h)anthracene the other PAH compounds were detected in at least 50 percent of the surface soil samples.

Total SVOC concentrations which for the most part are based on the PAH compound concentrations ranged from 1,900 ug/kg to 469,000 ug/kg in SS-3, located in the northeast portion of the Jacob Riis area. Total SVOC concentrations in the St. Emeric's property ranged from 13,800 ug/kg to 28,500 ug/kg. Total SVOC concentrations in surface soil at Jacob Riis varied over three orders of magnitude with the majority of the total SVOC concentrations between 10,000 ug/kg and 100,000 ug/kg. Total SVOC concentrations greater than 100,000 ug/kg were detected in surface soil samples SS-4 (148,000 ug/kg), SS-17A (176,000 ug/kg), SS-17 (203,000 ug/kg), SS-16A (224,000 ug/kg) and SS-3 (469,000 ug/kg). SS-16, SS-17 and SS-17A were located in the southeast portion of Jacob Riis and SS-3 and SS-4 were located in the northeast portion of Jacob Riis (Figure 18).

Benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, fluoranthene, benzo(k)fluoranthene, indeno(1,2,3-cd)pyrene and dibenz(a,h)anthracene were detected above the unrestricted use SCO at the Jacob Riis and St. Emeric's properties.

5.2.3 Inorganics, Cyanide and PCBs

Each of the priority pollutant inorganics were detected in surface soil (Table 12). Arsenic, barium, chromium, lead and mercury were detected in each surface soil sample. Cyanide was detected in two surface soil samples (SS-22 and SS-23) located on St. Emeric's property. PCB's were detected in six surface soil samples at concentrations below the unrestricted use soil cleanup objective of 0.1 ppm. The maximum arsenic concentration was observed in sample SS-13. Maximum concentrations of chromium and lead were found in samples SS-2 and SS-3, respectively, which are located in the northeast section of Jacob Riis. Sample SS-17, which is located in the southeast section of Jacob Riis, had the highest mercury concentration.

From Table 13, the surface soil concentration of chromium, lead and mercury exceeded the unrestricted use SCO in each surface soil sample. Other inorganics which are present at concentrations above their respective unrestricted use SCO include arsenic and silver.

5.3 Subsurface Soil

The evaluation of the environmental conditions in subsurface soil is based on 24 test trench soil samples and 87 soil boring subsurface soil samples collected during the site characterization and 129 subsurface soil samples collected during the RI. Validated analytical results for VOCs, SVOCs, inorganics including cyanide, and PCBs in subsurface soil samples are provided in Tables 14 through 19 as follows.

Table	Description
14	Summary of VOCs in Test Pit Trenches – Site Characterization Samples
15	Summary of SVOCs in Test Pit Trenches – Site Characterization Samples
16	Summary of Inorganics, Cyanide and PCBs in Test Pit Trenches
17a	Summary of VOCs in Subsurface Soil – Site Characterization Samples
17b	Summary of VOCs in Subsurface Soil – Remedial Investigation Samples
18a	Summary of SVOCs in Subsurface Soil – Site Characterization Samples
18b	Summary of SVOCs in Subsurface Soil – Remedial Investigation Samples

Table	Description
19a	Summary of Inorganics, Cyanide and PCBs in Subsurface Soil – Site Characterization Samples
19b	Summary of Inorganics and Cyanide in Subsurface Soil – Remedial Investigation Samples

Summary statistics including the minimum and maximum detected concentration, total number of samples, number and percent of each compound detected and number and frequency of samples detected above the SCO is provided in Table 20. Note for this discussion SCS and RI subsurface soil samples collected from test pit trenches and soil borings are discussed together.

5.3.1 VOCs

Validated analytical results for VOCs are provided in Tables 14, 17a and 17b. From Table 20, the benzene, toluene, ethylbenzene, and xylene (BTEX) compounds as well as isopropylbenzene, 1,3,5-trimethylbenzene and carbon disulfide were detected in more than 10 percent of the subsurface soil samples. m/p-xylene was the most prevalent VOC detected in subsurface soil. Total VOC concentrations ranged from 0.84 ug/kg to 4,720,000 ug/kg

The distribution of VOCs in subsurface soil at the St. Emeric's and Haven Plaza properties that are present above their respective unrestricted use SCO is illustrated in Figure 19. Total VOCs in subsurface at the St. Emeric's and Haven Plaza properties range from non-detect to 31,900 ug/kg in sample B-TT1 at depth of 12 feet bgs.

Individual VOCs present at St. Emeric's and Haven Plaza with concentrations greater than their unrestricted use SCO include acetone (a common laboratory contaminant), benzene, ethylbenzene, toluene, xylene, and methylene chloride (another common laboratory contaminant).

The distribution of VOCs, including total VOCs, in subsurface soil at Jacob Riis and the East River Park that are present above their respective unrestricted use SCO is illustrated in Figure 20. Total VOC concentrations greater than 10,000 ug/kg (10 mg/kg) were detected throughout the Jacob Riis and East River Park properties at depths ranging from 5 feet to 32 feet bgs. Note that one sample (SB-126 46-47 feet) collected at the East River Park property contained at total VOC concentration of 2,160,000 ug/kg. Total VOC concentrations greater than 1,000,000 ug/kg were limited

to the northeastern portion of the Jacob Riis property and the northern portion of the East River Park at depths ranging from 17 feet to 47 feet bgs (SB-126). Total VOC concentrations greater than 100,000 ug/kg were generally found in the northern half of the Jacob Riis and East River Park properties. Total VOC concentrations below 32 feet bgs (except for SB-126 noted above) were less than 10,000 ug/kg.

5.3.2 SVOCs

Validated analytical results for SVOCs in subsurface soil are provided in Tables 15, 18a and 18b. From Table 20 each of the PAHs as well as 2-methylnaphthalene, 1,1-biphenyl, dibenzofuran, bis(2-ethylhexyl)phthalate, and carbazole were detected in at least 10 percent of the subsurface soil samples:

Except for dibenz(a,h)anthracene each of the PAHs were detected in at least 50 percent of the subsurface soil samples. The concentration of individual PAH compounds ranged seven orders of magnitude from less than 100 ug/kg to more than 10,000,000 ug/kg. Each of the PAH compounds as well as dibenzofuran, phenol and p-cresol were detected at concentrations above their respective unrestricted use SCO.

The distribution of SVOCs in subsurface soil at St. Emeric's and Haven Plaza for those compounds that exceed their respective SCO is illustrated in Figure 21. From Figure 21, total SVOC concentrations greater than 500,000 ug/kg (500 mg/kg) were detected at SB-131 (7-8 feet bgs) and SB-104 (20-21 feet bgs). The distribution of individual PAHs at concentrations greater than their SCO appear limited to the upper 37 feet of the subsurface soil.

The distribution of SVOCs in subsurface soil at the Jacob Riis and East River Park properties for those compounds that exceed their respective SCO is illustrated in Figure 22. Similar to the distribution of the VOCs in subsurface soil, total SVOCs greater than 500,000 ug/kg typically occur throughout the Jacob Riis and East River Park properties in the 15 foot to 35 foot subsurface soil horizon. Subsurface soil samples collected below 35 feet bgs typically contained individual PAH concentrations less than their respective SCO and total SVOC concentrations less than 10,000 ug/kg. However, two subsurface soil samples collected below 35 feet contained total SVOC concentrations greater than 500,000 ug/kg (SB-126 collected at 46-47 feet bgs and SB-128 collected at 43-44 feet bgs). Both of these samples were collected at East River Park.

5.3.3 Inorganics, Cyanide and PCBs

Validated analytical results for inorganics, cyanide and PCBs are provided in Tables 16, 19a and 19b. From Table 20 each of the 14 priority pollutant analytes as well as barium were detected in more than 10 percent of the subsurface soil samples. Each of the priority pollutant analytes were detected above their respective SCO in at least one sample. PCB's were detected in four subsurface soil samples at concentrations below the unrestricted use soil cleanup objective of 0.1 ppm..

The distribution of inorganics in subsurface soil at St. Emeric's and Haven Plaza is illustrated in Figure 23. In general, from Figure 23 inorganics are present throughout the St. Emeric's and Haven Plaza properties at concentrations above their respective SCO. Similarly the distribution of inorganics in subsurface soil at the Jacob Riis and ERPP properties as illustrated in Figure 24 indicates that inorganic concentrations above their respective SCO are present throughout the subsurface.

The distribution of total VOCs and total SVOCs at each of the four Works properties is illustrated in Figure 25. In Figure 25, a circle divided into halves is used to represent the total VOC and total SVOC concentration to 10,000 ug/kg and 500,000 ug/kg respectively. The left half of the circle represents the total VOC concentration in which green and red are used to denote concentrations less than or greater than 10,000 ug/kg respectively. The right half of the circle represents the total SVOC in which green and red are used to denote concentrations less than and greater than 500,000 ug/kg respectively. Note that the highest concentration detected at each soil boring/monitoring well location was used to develop Figure 25.

From Figure 25, total VOC concentrations greater than 10,000 ug/kg in subsurface soil are present at the St. Emeric's, Haven Plaza, Jacob Riis, and the East River Park properties. The majority of the locations where total VOC concentrations are greater than 10,000 ug/kg occur at Jacob Riis where most of the Works operations were located. Total SVOC concentrations greater than 500,000 ug/kg in subsurface soil occur at the St Emeric's (one location), Jacob Riis, East River Park properties. As with the total VOC concentration, the majority of the locations where the total SVOC concentration was greater than 500,000 ug/kg occurs at the Jacob Riis property. Note that the total SVOC concentration at each of the East Rive Park sample locations was greater than 500,000 ug/kg.

5.4 Groundwater

The evaluation of the environmental conditions in groundwater is based on three rounds of groundwater sampling completed in October 2004, August 2006 and March 2007. Validated groundwater analytical results for each round of groundwater sampling are provided in Tables 21 through 23. Since additional wells were installed during the RI this section will focus on the groundwater analytical results from August 2006 and March 2007. Note that in March 2007 only the wells located on the East River Park property were sampled. Summary statistics including the minimum and maximum detected concentration, total number of samples, number and percent of each compound detected, and number and frequency of samples detected above the Class GA groundwater standard is provided in Table 24.

5.4.1 VOCs

Validated VOC analytical results for groundwater samples collected during the SCS are provided in Table 21a. Groundwater results from the two rounds of groundwater sampling completed during the RI are provided in Table 21b. From Table 21b the BTEX compounds as well as 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 2-butanone, carbon disulfide, chloroform, cyclohexane, isopropylbenzene, methyl acetate, methylcyclohexane, methyl tertiary-butyl ether (MTBE), and styrene were detected in at least one groundwater sample.

From Table 21b, 21 of the 23 groundwater samples contained at least one VOC. Benzene was the most prevalent VOC, detected in 18 out of 23 groundwater samples. Other VOCs detected in at least 50 percent of the groundwater samples included toluene, ethylbenzene, xylenes, 1,2,4-trimethylbenzene, and isopropylbenzene. Total detected VOC concentrations in groundwater ranged five orders of magnitude from 0.16 MW-121B to 24,600 ug/L in MW-127B. Note from Table 6 MW-127B is located on the ERPP property and is screened from 40-50 feet bgs in the sand-silt layer. Other groundwater samples in which the total VOC content was greater than 1,000 ug/L included MW-2 (1,030 ug/L) and MW-128B (1,350 ug/L).

1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, benzene, chloroform, ethylbenzene, isopropylbenzene, toluene, and xylenes were detected in groundwater at concentrations above their Class GA groundwater standard.

The distribution of these compounds at St Emeric's and Haven Plaza is illustrated in Figure 26. The highest total VOC concentration (665 ug/L) in groundwater at St

Emeric's occurred in MW-104B in which TLM was observed in subsurface soil. MW-1 and MW-103A which are located hydraulically downgradient of MW-104B (see Figure 12) also contained elevated concentrations of VOCs.

The distribution of the VOCs detected in groundwater above their Class GA standard at the Jacob Riis and East River Park properties is illustrated in Figure 27. In general the VOC concentrations in the deeper screened "B" designated monitoring wells is greater than the VOC concentration in the shallow "A" designated monitoring wells. This is consistent with findings of the soil boring program in which the greatest impacts in the subsurface were identified in the zones where the "B" wells are screened. In addition the distribution of VOCs in groundwater appear to be more related to the presence of isolated residual impacts (TLM/OLM) than to a well-defined groundwater plume that has developed as a result of groundwater transport.

5.4.2 SVOCs

Validated SVOC analytical results for groundwater samples collected during the SCS are provided in Table 22a. Groundwater results from the two rounds of groundwater sampling completed during the RI are provided in Table 22b. From Table 22b acenaphthene, acenaphthylene, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, naphthalene, phenanthrene, and pyrene, were detected in at least on groundwater sample:

Other SVOCs detected in at least one sample included 1,1-biphenyl, 2-4-dimethylphenol, 2-methylnaphthalene, 2-methylphenol, acetophenone, bis(2-ethylhexyl)phthalate, carbazole, dibenzofuran, di-n-butylphthalate, p-cresol, and phenol,

From Table 24, acenaphthene, naphthalene, and fluorene were detected in more than 50 percent of the groundwater samples. Detected PAH concentrations varied over four orders of magnitude from less than 1 ug/L to 4,700 ug/L (naphthalene). Total SVOC concentrations ranged from non-detect in two samples to 5,880 ug/L in MW-127B. As noted above NW-127B is located adjacent to the East River in the East River Park property.

1,1-biphenyl, 2-4-dimethylphenol, 2-methylphenol, acenaphthene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, bis(2-ethylhexyl)phthalate, chrysene, fluorene, indeno(1,2,3-cd)pyrene, naphthalene, p-

cresol, phenanthrene, and phenol, were detected above their respective Class GA 2 standard.

The distribution of SVOCs in groundwater at the St. Emeric's and Haven Plaza properties is illustrated in Figure 26. As with the distribution of VOCs in groundwater discussed above, the highest total SVOC concentration (1,660 ug/L) in groundwater at St Emeric's occurred in MW-104B in which TLM was observed. MW-1 and MW-103A which are located hydraulically downgradient of MW-104B (see Figure 12) also contained elevated concentrations of SVOCs.

The distribution of SVOCs at the Jabob Riis and East River Park properties is illustrated in Figure 27. For the most part the distribution of SVOCs in groundwater mimics the distribution of VOCs in groundwater discussed above.

The distribution of benzene in groundwater at each of the four Works properties is illustrated in Figure 28. A green circle denotes location where the benzene concentration was less than Class GA standard of 1 ug/kg. A red circle denotes locations where the benzene concentration was greater than 1 ug/kg. From Figure 28, 18 of the 25 groundwater samples collected during the RI contained a benzene concentration greater than 1 ug/kg. This includes five of the six groundwater samples collected at the St Emeric's property and each of the six samples collected at East River Park. Benzene concentrations in groundwater less than 1 ug/kg were detected in monitoring wells located along the northern and southern boundary of the Works area.

5.4.3 Inorganics and Cyanide

Validated inorganic analytical results for groundwater samples collected during the SCS are provided in Table 23a. Groundwater results from the two rounds of groundwater sampling completed during the RI are provided in Table 23b. Nickel, arsenic, cyanide, copper, cadmium, zinc, chromium, lead, mercury, and silver were detected in at least one groundwater sample collected during the RI.

Of the inorganic analytes detected, nickel, arsenic, cyanide, copper, and cadmium were detected in at least 50 percent of the groundwater samples collected during the RI (Table 24). Copper, lead and mercury were the only inorganic analytes detected above their respective Class GA standard.

5.5 Air Sampling Results

Analytical results for indoor air, soil vapor and soil gas, and ambient air samples are presented in Tables 25, 26, and 27 respectively. Air sample locations are provided in Figure 4.

5.5.1 Jacob Riis

A total of 18 indoor air samples were collected at the Jacob Riis complex. Samples were collected in five buildings, with three or four samples collected at the lowest floor level of each building. From Table 25 BTEX and naphthalene were detected in indoor air samples. The maximum concentration of benzene, toluene, o-xylene, and m-p-xylene was below the 75th percentile of the NYSDOH indoor air background data (NYSDOH, 2006). The ethylbenzene concentration of one sample was greater than the 75th percentile but less than Upper Fence value and 90th percentile. The concentration of ethylbenzene in all other samples was less than the 75th percentile background concentration.

Several non-MGP related compounds including 1,4-Dichlorobenzene, 1,2 Dichloro-1,1,2,2-tetrafluoroethane, chloroform, methylene chloride, n-Undecane, tetrachloroethene, and vinyl chloride were detected in indoor air samples at the Jacob Riis complex at concentrations above the NYSDOH background Upper Fence Criterion.

From Table 26, BTEX and naphthalene were detected in sub-slab and soil vapor samples collected at the Jacob Riis property. In general, BTEX and naphthalene concentrations detected in sub-slab and soil vapor samples were on average about one order of magnitude higher than concentrations detected in indoor air samples.

5.5.2 Saint Emeric's

Eight indoor air samples were collected from the Escuela Hispana Montessori School and the Church of Saint Emeric's (Figure 4). From Table 25, each the BTEX compounds were detected in indoor air samples collected at St. Emeric's property. Naphthalene was not detected in any of the samples collected at St. Emeric's property. The maximum concentration of benzene, ethylbenzene, o-xylene, and toluene was below the 75th percentile of the NYSDOH indoor air background data. The m,p-xylene concentration of one sample was greater than the 75th percentile but less

than Upper Fence value and 90th percentile. The concentration of m,p-xylene in all other samples was less than the 75th percentile background concentration.

1,1,1-Trichloroethane and chloroform, both of which are non-MGP related compounds, were detected in indoor air samples at the St. Emeric's property at concentrations above the NYSDOH Upper Fence criterion

From Table 26, BTEX and naphthalene were detected in sub-slab and soil vapor samples collected at the St. Emeric's property. In general, BTEX and naphthalene concentrations detected in sub-slab and soil vapor samples were on average about one order of magnitude higher than concentrations detected in indoor air samples.

6. Qualitative Human Health Evaluation

This section of the RI presents a qualitative human health exposure assessment (HHEA) that evaluates the potential for human exposure to MGP residuals at the Site. This HHEA is conducted consistent with the NYSDOH guidance as presented in *Draft DER-10 Technical Guidance for Site Investigation and Remediation* (NYSDOH, 2002) and uses information regarding current and foreseeable land uses and available site data to evaluate the potential for exposure of human receptors. The HHEA includes an identification of the site-specific COPCs, an evaluation of contaminant fate and transport for the primary COPCs and the identification and characterization of complete exposure pathways. The results of this qualitative HHEA will be used, in part, to help evaluate proposed remedial actions for the site.

6.1 Site-Specific COPCs

The site-specific COPCs for surface soil, subsurface soil, groundwater, indoor air and soil vapor are presented in Table 28. From Table 28, SVOCs including the PAH compounds and inorganics are considered COPCs in surface soil, subsurface soil and groundwater. VOCs including the BTEX compounds are considered COPCs in subsurface soil and groundwater.

6.2 Contaminant Fate and Transport

The following discussions of environmental fate and transport for primary COPCs are taken from the toxicological profiles provided by the Agency for Toxic Substances and Disease Registry (ATSDR).

6.2.1 Benzene

The environmental fate and transport of benzene is primarily attributed to its high volatility (ATSDR, 1997). In soil, benzene partitions to the atmosphere through volatilization, to surface water through runoff, and to groundwater through leaching. Bioaccumulation of benzene in the aquatic food chain generally does not occur, and there is no scientific evidence of biomagnification. Aerobic biodegradation is the primary mechanism for degradation of BTEX in soils, surface water, and groundwater.

6.2.2 Toluene

The majority of toluene released to the environment partitions to air, although rates of volatilization from soils depends on temperature, humidity, and soil type (ATSDR, 2000a). Transport of toluene from soil to groundwater depends on the degree of adsorption to soil, which is mediated by the presence of organic matter. Toluene will be readily leached from soils with low organic content. The metabolism of toluene limits its biomagnification in the food chain. Degradation of toluene in surface water, soil, and sediment occurs primarily by microbial action.

6.2.3 Ethylbenzene

Ethylbenzene has a high vapor pressure and will partition into the atmosphere from surface soils and surface water; subsurface soil infiltration will also occur (ATSDR, 1999a). This chemical has a relatively high mobility in soils because sorption is not significant enough to prevent migration. Ethylbenzene will leach into groundwater, particularly in soils with low organic carbon content. Significant bioaccumulation does not occur in aquatic food chains. In surface water, ethylbenzene can be transformed via photooxidation and biodegradation. In soils, aerobic soil microbes are responsible for biodegradation.

6.2.4 Xylenes

In soils, xylenes tend to adsorb to organic matter, and will leach into groundwater from subsurface soils with low organic carbon content (ATSDR, 1995a). Volatilization and photooxidation are the primary removal mechanisms in surface soil and surface water. Biodegradation is the primary removal mechanism in subsurface soils.

6.2.5 PAHs

In soils, PAHs can volatilize, undergo abiotic degradation, biodegrade, or bioaccumulate in plants (ATSDR, 1995b). Some PAHs may leach into groundwater from subsurface soils. The transport and partitioning of PAHs in the environment are dependent on several chemical factors, such as water solubility, vapor pressure, Henry's law constant, octanol-water partition coefficient, and organic carbon partition coefficient. Due to their low solubility and high affinity for organic carbon, PAHs in aquatic systems are generally sorbed to bottom sediments or particulate matter suspended in the water column.

6.2.6 Arsenic

Arsenic in soil may be transported by wind and runoff, and may leach into subsurface soil (ATSDR, 2000b). Transport and partitioning of arsenic in water depends upon its chemical form (i.e., oxidation state) and other materials present (ATSDR, 2000b). Arsenic may be present in soluble form in the water column, or adsorbed onto sediments or soils. Groundwater arsenic concentrations are generally controlled by adsorption rather than mineral precipitation (ATSDR, 2000b).

6.2.7 Lead

The amount of lead that remains in solution in surface water depends on the pH of the water and the dissolved salt content (ASTDR, 1999b). In most surface waters and groundwater, the concentration of dissolved lead is low because lead forms compounds with anions in the water such as hydroxides, carbonates, sulfates, and phosphates and precipitates out of the water column. The environmental fate of lead in soil is affected by the specific or exchange adsorption at mineral interfaces, the precipitation of sparingly soluble solid forms of the compound, and the formation of relatively stable organic-metal complexes or chelates with soil organic matter (ATSDR, 1999b). These processes are dependent on factors such as soil pH, soil type, particle size, organic matter content of the soil, the presence of inorganic colloids and iron oxides, cation exchange capacity, and the amount of lead in the soil (ATSDR, 1999b). The accumulation of lead in most soils is primarily a function of the rate of deposition from the atmosphere (ASTDR, 1999b). Lead may bioconcentrate in plants and animals, although biomagnification is not expected (ATSDR, 1999b).

6.3 Potential Exposure Points, Receptors and Route of Exposure

An initial step in evaluating potential human exposure is the identification of potentially complete exposure pathways. For an exposure pathway to be complete, the following five elements must exist: 1) a contaminant source; 2) contaminant release and transport mechanisms; 3) a point of exposure; 4) a route of exposure; and 5) a receptor population. If all five elements exist, then that exposure pathway is considered to be complete (NYSDOH, 2002).

In general, the same COPCs were identified for similar media at the Jacob Riis, Saint Emeric, Haven Plaza, and East River Park areas. As previously described, PAHs, arsenic, chromium, lead, and mercury were identified as COPCs in surface soil.

Subsurface soil COPCs were BTEX, PAHs, and metals. Groundwater COPCs included VOCs, SVOCs, copper, lead, and mercury.

The potential receptors on the Jacob Riis property are residents living in the apartment buildings, visitors, recreational users of the playground, onsite personnel including maintenance/commercial workers and construction workers that may work on the property, and workers at the sewage pumping station.

The potential receptors on the Saint Emeric property are school-aged children who attend the Montessori Head Start School, parishioners of the Roman Catholic Church of Saint Emeric, visitors and onsite personnel including maintenance/commercial workers and construction workers that may work on the property.

The potential receptors on the Haven Plaza property are residents living in the apartment buildings, visitors and onsite personnel including maintenance/commercial workers and construction workers that may work on the property.

The potential receptors on the East River Park are recreational users and onsite personnel including maintenance/commercial workers and construction workers that may work on the property.

The magnitude of exposure to COPCs depends on the type of worker or resident activity, the specific areas of the site used in daily activities, and the frequency and length of time spent at each area. Potentially complete human exposure pathways for the site are qualitatively evaluated below.

Potential direct contact with soils – The Jacob Riis area of the site includes several brick apartment buildings, landscaped areas and a play area with a basketball court, playground equipment and several park benches in the center of the property. The pumping station on the Jacob Riis property consists of a one-story brick building with a parking area on the north side of the building and a vertical surge tank on the east side of the building. The St. Emeric area of the site includes a church, asphalt parking lot, and a school with a play area (enclosed by a fence). Haven Plaza includes residential apartment buildings, walkways and landscaped areas. East River Park includes a basketball court, paved areas and green space.

The surface soil samples from both the Jacob Riis property and the St. Emeric property were collected from unpaved areas. Therefore, potential exposure of human receptors to COPCs in onsite surface soils could occur via incidental ingestion and dermal

contact. However, the majority of these soils are vegetated, which likely mitigates any potential exposures. The highest potential for exposure would be for children playing in exposed soil areas. Exposure of most receptors to subsurface soils is unlikely because these receptors are not expected to be involved in intrusive activities. However, construction workers may be exposed to subsurface soils during future construction/excavation activities. Note that surface soils were not collected at the Haven Plaza and the East River Park properties.

Potential inhalation of vapors and/or particulates from surface soils – Surface soil COPCs are primarily non-volatile constituents (i.e., PAHs, metals). Human receptors may be exposed to COPCs in surface soils via inhalation of particulates from areas of exposed soil; however, the majority of the onsite soils are vegetated, which most likely mitigates the potential for soil particulates to become airborne. Further, because there are no ongoing activities at the site, there is likely little potential for dust generation. Because VOCs (i.e., BTEX) were detected in subsurface soils at the site, there is potential for exposure of construction workers to COPCs via inhalation of vapors during construction/excavation activities. Potential exposures could be mitigated by use of personal protective equipment.

Direct contact with groundwater – The groundwater Table beneath the site ranges from approximately 5 to 9 feet below grade. Groundwater is not used as a potable source at the site, and depth to groundwater precludes potential direct exposures of human receptors to this medium. Construction workers may be exposed to site groundwater during intrusive activities, but potential exposures could be mitigated by use of personal protective equipment. Based on the lack of an exposure point, groundwater is not considered to be a complete exposure pathway.

6.3.1 Inhalation of indoor air

MGP-related compounds including BTEX and naphthalene were detected in indoor air samples. All BTEX concentrations were below the NYSDOH Upper Fence criteria. In addition, all but one ethylbenzene concentration and one m,p-xylene concentration was below the respective 75th percentile concentration.

6.4 Summary

Analytical data indicate for the Jacob Riis and St. Emeric's properties, PAHs and metals are present in site surface soils concentrations exceeding NYSDEC SCOs. These surface soil samples were collected from unpaved areas of the site. Therefore,

surface soils represent a potentially complete exposure pathway for the general population (e.g., residents, recreational users, students, workers). However, the presence of vegetation (e.g., grass) most likely mitigates the potential for exposure of these receptors to COPCs in surface soil. Construction workers may also be exposed to surface soils during intrusive activities, but potential exposures could be mitigated through the use of personal protective equipment.

Analytical data indicate that VOCs (BTEX), SVOCs (primarily PAHs), and several metals are present in site subsurface soils at concentrations exceeding NYSDEC SCOs. The potential for exposure to COPCs in subsurface soils is most likely limited to construction workers engaged in intrusive activities, although potential exposures could be mitigated through the use of personal protective equipment. Potential exposures of other human receptors to constituents in subsurface soils are unlikely because these receptors would not be involved in intrusive activities.

Groundwater beneath the site is not used as a potable source, and therefore exposure via ingestion of groundwater is unlikely. Likewise, there is relatively little potential for direct contact to groundwater for residents, recreational users, and workers given the depth to groundwater and because these receptors would not be involved in intrusive activities. Construction workers may be exposed to groundwater during future intrusive activities, although these exposures could be mitigated with the use of personal protective equipment.

7. Conceptual Site Model

This section of the RI presents the conceptual site model (CSM) that pertains to the nature, extent, and transport of DNAPL in subsurface soil and groundwater.

7.1 DNAPL Sources and Movement

Based on information obtained during the SCS and RI there are two primary sources of DNAPL at the former East 11th Street Works:

- Former MGP operations and storage facilities located on the Jacob Riis property
- Former gas holders located on the St. Emeric's property

Former MGP operations and storage facilities located on the Jacob Riis property include retorts, 11 gas holders, tar, fuel oil, and gas oil tanks, tar/oil separators, condensers, and scrubbers.

Construction details for these structures are limited. However based on the age of some of the structures, especially the gas holders constructed in the late 1800's, it is assumed that some structures were constructed with below ground bottoms.

DNAPL, once it enters the subsurface it will migrate downward primarily due to gravity (density) through the pore spaces of permeable stratigraphic units until an impermeable layer is encountered. In addition the volume released, viscosity, interfacial tension, and wettability of DNAPL may effect downward migration. It should be noted that for most MGP sites the nature of these physical characteristics of DNAPL are unknown.

Once an impermeable layer is encountered, the DNAPL will, depending on the surface configuration of the impermeable layer, either pool or continue to migrate downward along the surface of the impermeable layer. Over time some of the DNAPL may enter the top few feet of the impermeable layer if root zones, clay partings or microfractures are present

7.2 DNAPL Delineation

Cross-sections A-A' through E-E' on Figures 5 through 9 and the summary of visual MGP impacts illustrated on Figures 12 through 15 depict the vertical and lateral extent

of DNAPL in subsurface soil. Based on soil borings completed during the SCS and RI, DNAPL in the form of OLM and TLM is limited to the Fill and Sand-Silt Units. No OLM or TLM was observed in the Silt-Clay Unit. The majority of DNAPL is located below seven feet bgs and within the footprint of the former MGP production area located on the Jacob Riis property. In this area DNAPL was observed to depths up to 30 feet within the Fill and Sand-Silt Units. On St. Emerics property, DNAPL associated with the former gas holders was present from 10 to 30 feet bgs within the Fill and Sand-Silt Units. Below 30 feet DNAPL was observed in soil borings completed on the East River Park property and on the northeast portion of the Jacob Riis property. Since MGP operations were not located in these areas it is assumed the DNAPL has migrated laterally within the Sand-Silt Unit away from the main source area. It appears DNAPL has not migrated laterally within the Sand-Silt-Unit at St. Emeric's property.

Based on soil borings completed at the East River Park property, DNAPL is present from 10 to 40 feet bgs adjacent to the East River. Soundings in the East River performed by NOAA in 2000 indicate the bottom of the East River near the site is between 16 and 30 feet deep. As such it is possible DNAPL may be migrating into or under the East River.

Measurable DNAPL was identified in three monitoring wells (MW-3, MW-5, and MW-111B) in August 2006. Measured DNAPL ranged from 0.3 to 1.6 feet. Each of these wells are screened in the Sand-Silt Unit and located in or adjacent to potential source areas along the eastern edge of the Jacob Riis property. Measurable DNAPL was not identified in any of the wells during the March 2007 groundwater sampling event. However, DNAPL was detected on the monitoring probe used to measure DNAPL in MW-1, MW-5, and MW-111B. MW-1 is located on St. Emeric's property within the footprint of a former gas holder. Since DNAPL has accumulated in some of the wells implies DNAPL has the potential to migrate within the Sand-Silt Unit. None of the monitoring wells installed along at the East River Park property contained measurable DNAPL during the March 2007 monitoring. However, these wells were only installed one month prior to the March 2007 sampling event. Since DNAPL was observed in the soil borings during the installation of these wells, additional DNAPL monitoring should be performed.

8. Summary and Conclusions

A RI was conducted at the East 11th Street Works Site (NYSDEC Site No. V00534) in compliance with VCA No. D2-003-02-8 between Con Edison and the NYSDEC. The objectives of the RI were to:

- Delineate the horizontal and vertical extent of residual MGP waste materials/impacts in soil and groundwater identified during the SCS
- Determine the extent and continuity of OLM and TLM in the eastern portion of the Jacob Riis property identified during the site characterization study
- Delineate the presence and locations of contaminant levels that pose potential risks to human health and/or the environment
- Collect sufficient data in order to develop a proposed site remediation strategy, if necessary

As a result of the field sampling efforts and the evaluation and analysis of environmental data collected during the field sampling efforts the objectives of the RI have been satisfied.

8.1 Site Setting

The East 11th Street Works was located on the Lower East Side section of the Borough of Manhattan in New York City, New York. The East 11th Street Works operated from between 1859 and 1868 through 1933. The gas works occupied approximately 7 acres at the height of its gas production in the 1920's. Current site use includes residential, religious, education, and recreation facilities.

8.2 Hydrogeology

Three stratigraphic units were encountered during the SCS and RI; Fill Unit, Sand-Silt Unit and Silty-Clay Unit. The Fill Unit consists of construction debris (brick, cinders, ash, and wood) intermingled with undifferentiated brown to black sand, cobbles, gravel and silt. The thickness of the Fill Unit ranges 7 to 30 feet increases from west to east.

The Sand-Silt Unit underlies the Fill Unit and consists of fine to medium sand with silt and clay lenses and trace gravel lenses. The Sand-Silt Unit is laterally continuous

beneath the site and varies in thickness from 10 feet to 35 feet. In general the Sand-Silt Unit thickens from east to west with the greatest thickness encountered in borings located on St. Emeric's and Haven Plaza properties.

The Silt-Clay Unit underlies the Sand-Silt Unit and consists of variably colored silt and clay with trace fine sand. The Silty-Clay Unit was encountered in all soil borings completed during the RI that were located on the Jacob Riis and East River Park. The Silt-Clay Unit was not encountered in soil boring completed on the western portion of St. Emeric's and Haven Plaza properties. The thickness of the Silty-Clay Unit beneath the site is unknown. The Silt-Clay Unit is shallowest in the area beneath Jacob Riis buildings No. 2 and 3.. In this area the depth to the Silt-Clay Unit is approximately 25 feet bgs. As illustrated in Figure 10 the depth to the Silt-Clay Unit increases to the north and toward the East River.

Shallow groundwater appears to flow in a radial pattern from a groundwater mound centered in the vicinity of MW-115A and MW-121A. The groundwater flow pattern in the water table aquifer mimics the top of the Silt-Clay Unit elevations. Horizontal hydraulic gradients in the water table range from 0.01 feet/foot to 0.004 feet/foot north of MW-115A. A comparison of water levels in the nested wells indicates that both downward and upward vertical hydraulic gradients exist at the site. The greatest downward vertical gradient was measured between MW-121A and MW-121B which indicates an area of recharge. Upward hydraulic gradients are observed adjacent to the East River indicating that shallow groundwater discharges to the East River.

8.3 NAPL Evaluation

Results of the SCS and RI indicate that the majority of the OLM and TLM occur in three areas of the site: the eastern half of the Jacob Riis property, the southern portion of the St. Emeric's property, and the East River Park property. NAPL at each of these properties is mostly confined to the the Fill and Sand-Silt Units and present at depths greater than seven feet bgs. The greatest measured NAPL thickness (1.6 feet) was observed in well MW-5, located in the southeastern portion of the Jacob Riis complex. Other wells, in which measurable NAPL was observed, included MW-3 (0.6 feet) and MW-111B (0.3 feet). OLM or TLM was not observed in the Silt-Clay Unit.

8.4 Soil Evaluation

- At least half of the VOCs detected in soil samples at concentrations above their SCO (predominantly BTEX) were found in the 10 foot 30 foot bgs interval, below the water table. VOCs were typically not detected in surface soil samples.
- SVOCs (most of them PAHs) were detected in all soil samples. The vertical distribution of individual SVOCs that exceeded their SCO appear limited to the upper 37 feet of the site. Exceedances do not appear limited to samples where visual MGP-impacts were observed. The highest total SVOC concentrations in surface soil samples were detected in the northeast and southeast portions of the Jacob Riis complex.
- Inorganics were detected in all soil samples above their respective SCO and are generally attributed to the presence of historic fill material at the site

8.5 Groundwater Evaluation

- In groundwater, most VOCs that exceeded their Class GA groundwater standard were BTEX compounds. In general VOC concentrations were greater in the deeper screened "B" monitoring wells than those in shallow "A" monitoring wells. This is consistent with findings of the soil boring program in which the greatest impacts in the subsurface were identified in the zones where the "B" wells are screened. Distribution of VOCs in groundwater appears to be more related to the presence of isolated residual impacts (TLM/OLM) than to a well-defined groundwater plume that has developed as a result of groundwater transport.
- SVOCs detected above their respective Class GA groundwater standard included several PAH, phenol, and phthalate compounds. For the most part the distribution of SVOCs in groundwater mimics the distribution of VOCs in groundwater discussed above.
- Copper, lead and mercury were the only inorganic analytes detected above their respective Class GA standard. These metals all occur naturally in the environment and are also produced by a variety of man-made sources.

8.6 Indoor Air/Soil Vapor Evaluation

- MGP-related compounds including BTEX and naphthalene were detected in indoor air as well as soil vapor and sub slab samples.
- Indoor air sample concentrations were compared to the NYSDOH background data for indoor air provided in NYSDOH 2006.
- All BTEX concentrations were below the NYSDOH Upper Fence background criteria. In addition, all but one ethylbenzene concentration and one m,p-xylene concentration was below the respective 75th percentile background concentration.

8.7 Human Health Exposure Assessment

- PAHs and several metals are present in site surface soils at concentrations exceeding NYSDEC SCOs. As such surface soils represent a potentially complete exposure pathway for the general population, including construction workers. However, the presence of vegetation (e.g., grass) most likely mitigates the potential for exposure of these receptors to COPCs in surface soil.
- VOCs (BTEX), SVOCs (primarily PAHs), and several metals are present in site subsurface soils at concentrations exceeding NYSDEC SCOs. The potential for exposure to COPCs in subsurface soils is most likely limited to construction workers engaged in intrusive activities. Potential exposures of other human receptors to constituents in subsurface soils are unlikely because these receptors would not be involved in intrusive activities.
- Groundwater beneath the site is not used as a potable source, and therefore exposure via ingestion of groundwater is unlikely. Likewise, there is relatively little potential for direct contact to groundwater for residents, recreational users, and workers given the depth to groundwater and because these receptors would not be involved in intrusive activities. Construction workers may be exposed to groundwater during future intrusive activities.

8.8 Conclusions and Recommendations

The RI objectives were achieved except for delineation of MGP impacts north of the Jacob Riis property and to the east of East River Park. Since there is little additional land east of the sample locations in East River Park Con Ed will propose that sediment

investigation be conducted in the East River. North of the Jacob Riis property is the Con Ed East River Generating Station property. This property is presently under investigation for MGP impacts under Appendix B of the NYSDEC Order on Consent R2-1023-88-06 et seq (Consent Order) and Con Ed recommends that further investigation for MGP impacts north of Jacob Riis be conducted under that Consent Order.

Based on the findings outlined above it is recommended that an Alternatives Analysis for the land side of the E. 11th Street Works site (i.e. Jacob Riis, St. Emeric's, Haven Plaza and East River Park) be conducted to evaluate potential remedies for the MGP impacts at the site.

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Table 1. Summary of Properties Included in Remedial Investigation Activities - Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Block/Lot	Lot	Address	Property Name	Owner	Land Use
367	1	152 Avenue D	Jacob Riis Houses	New York City Housing Authority	Multi-family Elevator Buildings
367	25	184 Avenue D	Manhattan Pump Station	New York City Department of Environmental Protection	Transportation and Utility
382	1	188 Avenue C	Haven Plaza	Haven Plaza HSG DVLFN	Multi-family Elevator Buildings
382	22	181 Avenue D	Church of St. Emeric	Saint Emeric Roman Catholic Church	Public Facilities and Institutions
316	114	Grand Street	East River Park	New York City Department of Parks and Recreation	Open Space and Outdoor Recreation
316	200	Grand Street	East River Park	New York City Department of Parks and Recreation	Open Space and Outdoor Recreation

Table 2. Summary of Site History, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Source	Site Description
Map of the City of New York (Dripps, 1852)	- No MGP structures are shown - The site is occupied by the William H. Brown Shipyard (builder of the schooner <i>America</i> for which America's Cup is named) and the Novelty Iron Works (builder of the turret for the <i>Monitor</i>). - Most of the area between the present day East River and Avenue D is occupied by boat slips and piers.
Map of the City of New York, (Dripps, 1863)	No MGP structures are shown, however the East 14th Gas Works is depicted
Sanitary & Topographical Map of the City and Island of New York (Viele, 1865)	- No MGP structures are shown - The original shoreline of the East River is shown as traversing east-west between 11th and 12 Streets and then turning south along Avenue D. "Made Land" is present to the north and east of the original shoreline
Atlas of New York City (Perris & Company, 1869)	- First depiction of MGP and identified as the Mutual Gas Light Company - Four gas holders are located between 12th and 13th Streets and Avenue D and Dry Dock Street (Block 382 Lot 22). - Four gas holders, a lime house and retorts are located between 11th and 12th Streets and east of Avenue D (Block 367 Lot 1) - Five gas holders, a naphtha tank, retorts and coal house are located between 12th and 13th Streets and east of Avenue D (Block 367 Lots 1 and 25)
Atlas of the Entire City of New York (Bromley and Robinson, 1879)	- Depicts 11 "gasometers" and naphtha tank (unlabelled) associated with the Mutual Gas Light Company. - The two easternmost gas holders located between 12th and 13th Streets are not shown.
1903 Sanborn Fire Insurance Map	- Site is identified as the N.Y. Mutual Gas Light Company Block 382 - One gasholder 230 feet high has replaced the four gas holders previously depicted. - Three purifying house buildings, a meter house and an engine room are also located within this parcel. Block 367 between 12th and 13th Streets - The three largest gasholders depicted previously are identified as having a capacity of 550,000 cubic feet - A brick wall is shown north and east of the 550,000 cubic foot holders - The naphtha tank is now identified as a gas oil tank with a capacity of 500,00 gallons - The two small gasholders previously depicted are identified as having a capacity of 52,000 and 50,000 cubic feet - Two fuel oil tanks with unknown capacities have been added to the north of the small gasholders - Three underground storage tanks with a capacity of 4,000 gallons each have been added to the east of the small gasholders under the footprint of the former Tompkins Street. - Two rectangular oil separating houses are located adjacent to the underground storage tanks. - The retorts and coal house depicted previously are now identified as store houses and machine and carpenter shops. - An "ash dump" is depicted north of the machine shop Block 367 between 11th and 12th Streets - One gas holder with a capacity of 4,225,000 cubic feet has replaced the four smaller gasholders previously depicted - A separating(?) house and valve house are located adjacent to the large gas holder - A purifying house, meter house, three condenser houses, a store room, two engine rooms, a retort house, separators, scrubbers, an office and a generator house are located east of the gas holder. - a coal shed with an engine room extends from the gas production area to the East River

Table 2. Summary of Site History, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Source	Site Description
1920 Sanborn Fire Insurance Map	• Block 382 - o The gasholder is labeled as Gas Holder No. 9 with capacity of 5,000,000 cubic feet - o Two circular tanks, one rectangular tank, and a governor house are added to the southwest of the gasholder - o A second governor house is located northwest of the gasholder - o US Government storage tanks are located southwest of the gasholder - o The easternmost purifying house depicted in the 1903 Sanborn is now labeled as a store room. • Block 367 between 12th and 13th Streets - o a new gasholder (labeled Gas Holder No. 10), with a capacity of 5,000,000 cubic feet, has replaced the two westernmost gasholders, the machine shop and the large store house depicted on the 1903 Sanborn map - o The two fuel oil tanks are now labeled as gas oil tanks - o The two small gasholders are now used as tar tanks • Block 367 between 11th and 12th Streets - o The northern condenser house is now used as a carpenter shop - o The southern condenser house is now used as an exhaust house and a boiler shop - o The engine room is now used as a machine shop - o An engine blower, pump house, and oil pumps are also depicted • There are four unidentified circular structures next to the engine blower
1944 Sanborn Fire Insurance Map	• Block 382 - o The site is identified as the <i>Consolidated Edison Co. of N.Y. Inc.</i> - o MGP structures have been removed except for the two governor houses - o A wire fence and two gasoline tanks have been added - o An area identified as "auto parking" has been added - o The Premium Ice Co. occupies the footprint of the westernmost purifying house • Block 367 between 12th and 13th Streets - o MGP structures have been removed except for the two governor houses • Block 367 between 11th and 12th Streets - o MGP structures have been removed except for the two governor houses
1950 Sanborn Fire Insurance Map	• Block 382 - o The Premium Ice Co. has expanded further to the east - o The "Roman Catholic Church of St. Emeric" is depicted on the south side of East 13th Street - o A new building labeled "plumb'g supplies" is located south of the church - o An office building previously labeled as a "governor house" is located on the north side of East 13th Street - o The gas tanks, auto parking, and one of the governor houses have been removed • Block 367 - o The Jacob Riis Houses occupy the site from East 11th Street to East 13th Street east of Avenue D and west of the Franklin D Roosevelt Drive (FDR Drive). - o A proposed pumping station is located east of Avenue D nears East 13th Street
1976 Sanborn Fire Insurance Map	• Block 382 - o The Premium Ice Co. has been replaced by buildings associated with the Haven Plaza North Co-Op Apartments - o The "plumb'g supplies" building south of the church is now labeled "Hall" - o A new building of unknown use is located west of the "hall" - o St. Emeric Roman Catholic School has been added at the northwest corner of Avenue D and East 12th Street • Block 367 - o The proposed pumping station identified in the 1950 Sanborn map is now labeled as the Manhattan Pumping Station Newtown Creek Pollution Control Project
1996 Sanborn Fire Insurance Map	• Block 382 - o Site use remains unchanged from 1976 • Block 367 - o Site use remains unchanged from 1976

Table 3. Subcontractors Used During Remedial Investigation Activities-Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Subcontractor	Office Location	Service Provided
All State Power Vac	Brooklyn, NY	Utility clearance
Aquifer Drilling and Testing	New Hyde Park, NY	Utility clearance
Naeva Geophysics	Congers, NY	Utility Clearance
Universal Testing and Inspection	West Babylon, NY	Hollow-stem auger drilling
Boart Longyear Corp.	Windsor, NJ	Rotary sonic drilling
Severn Trent Laboratories	Shelton, CT	Analytical services
CompuChem	Cary, NC	Analytical service
Munoz Engineering, P.C.	New York, NY	Surveying
Triumvariate Environmental	Astoria, NY	Waste transport and disposal
CleanEarth of North Jersey	South Kearny, NY	Waste transport and disposal

Table 4. Location and Purpose of Soil Borings Completed for the Remedial Investigation, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Boring Identification	Property	Drilling Method	Boring Depth (ft)	Location
SB-101	SE	RS	40	Northwest of St. Emeric's school
SB-102	SE	RS	50	
SB-103	SE	RS	50	On E. 12th St. sidewalk
SB-104	SE	RS	50	On E. 12th St. sidewalk
SB-105	SE	RS	40	On sidewalk along Avenue D
SB-106	SE	RS	35	On sidewalk south of property, across E. 12th St.
SB-131	SE	RS	50	Along concrete walkway between Saint Emeric's property and Haven Plaza Property
SB-132	SE	RS	50	
SB-133	SE	RS	50	
SB-134	SE	RS	45	West of Haven Plaza North Building No. 3 and north of the garage
SB-135	SE	RS	50	West of Haven Plaza North Building No. 3 and south of the garage
SB-107A	JR	RS	16	Within North parking area
SB-107B	JR	RS	54	
SB-108	JR	HSA	46	Along Northern edge of storage and parking areas N of property
SB-109	JR	HSA	43	
SB-110	JR	HSA	51	South edge of North parking area
SB-111	JR	RS	54	Northeast corner of site along concrete walkway
SB-112	JR	HSA	22.5	Walkway between Jacob Riis and North parking area

Table 4. Location and Purpose of Soil Borings Completed for the Remedial Investigation, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Boring Identification	Property	Drilling Method	Boring Depth (ft)	Location
SB-113	JR	RS	35	West of NYCDEP one-story building along sidewalk of Avenue D
SB-114	JR	--	--	South of NYCDEP one-story building
SB-115	JR	RS	35	West of Jacob Riis, within the sidewalk of Avenue D
SB-116	JR	RS	39	Approximately 100 feet Southeast of existing boring B-5/MW-2
SB-117	JR	HSA	36	Approximately 150 feet west of SB-118
SB-118	JR	HSA	43	Along concrete walkway adjacent to FDR Drive
SB-119	JR	HSA	39	Within concrete walkway, W of the playground area
SB-120	JR	HSA	35	Southwest area of Jacob Riis, along the sidewalk of Avenue D
SB-121	JR	RS	40	South of playground area
SB-122A	JR	HSA	17	South portion of Jacob Riis property
SB-122B	JR	RS	40	
SB-123	JR	HSA	39	
SB-124	JR	HSA	39	
SB-125A	JR	RS	16	
SB-125B	JR	RS	45	

Table 4. Location and Purpose of Soil Borings Completed for the Remedial Investigation, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Boring Identification	Property	Drilling Method	Boring Depth (ft)	Location
SB-126	ERPP	RS	50	East of FDR Drive
SB-127A	ERPP	RS	18	
SB-127B	ERPP	RS	55	
SB-128A	ERPP	RS	18	
SB-128B	ERPP	RS	50	
SB-129	ERPP	RS	50	
SB-130A	ERPP	RS	23	
SB-130B	ERPP	RS	45	
SB-131	HP	RS	50	Along concrete walkway between St. Emeric's property and Haven Plaza property
SB-132	HP	RS	50	
SB-133	HP	RS	50	
SB-134	HP	RS	45	West of Haven Plaza North Building No. 3 and North of the garage
SB-135	HP	RS	50	

Notes:

SE = St. Emeric's property

JR = Jacob Riis property

ERPP = East River Park Promenade

HP = Haven Plaza

RS = Rotosonic

HSA = Hollow-Stem auger

NYCDEP = New York City Department of Environmental Protection

MGP = Manufactured gas plant

PAH = Polycyclic aromatic hydrocarbons

TAGM = Technical and Administrative Guidance Memorandum 4046

OLM = Oil-like material

TLM = Tar-like material

Table 4. Location and Purpose of Soil Borings Completed for the Remedial Investigation, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Purpose
define North/East extent of detected MGP impacts.
define South/West extent of detected MGP impacts.
define Southern extent of detected MGP impacts.
step-out boring to define E extent of PAH TAGM exceedances.
determine whether MGP impacts extend of site.
determine if any MGP impacts are present on the Haven Plaza property.
determine if any MGP impacts are present on the Haven Plaza property.
determine if any MGP impacts are present on the Haven Plaza property.
step-out boring to define the Northern extent of VOC and PAH TAGM exceedances.
step-out borings to define the Northern extent of PAH TAGM exceedances define North edge of MGP impacts
step-out boring to define the Northern extent of PAH TAGM exceedances.
define Eastern extent of MGP impacts.
define Northern extent of MGP impacts.

Table 4. Location and Purpose of Soil Borings Completed for the Remedial Investigation, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Purpose
step-out boring to define Northwestern extent of PAH TAGM exceedances along Avenue D.
boring not completed due to inability to effectively clear the area of utilities.
step-out boring to determine the Western extent of PAH TAGM exceedances.
determine Southwestern extent of OLM/TLM and TAGM exceedances in the Western portion of parcel.
determine if OLM/TLM and TAGM exceedances are continuous throughout the area.
determine if OLM/TLM are continuous throughout the area.
step-out boring to determine the Western extent of OLM/TLM in the Southwestern portion of the parcel.
step-out boring to determine the Western extent of PAH TAGM exceedances.
step-out boring to determine the Southern extent of VOC and PAH TAGM exceedances.
step-out borings to determine the Southern extent of PAH TAGM exceedances.

Table 4. Location and Purpose of Soil Borings Completed for the Remedial Investigation, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Purpose
step-out boring to determine the Eastern extent of PAH TAGM exceedances determine the extent of potential off-site OLM/TLM MGP impacts Southeast of the parcel.
determine if any MGP impacts are present on the Haven Plaza property

Table 5. Sample Summary, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Location ID	Depth Range (feet bgs)	Date Sampled	TCL VOCs	TCL SVOCs	PPL Metals	Total Cyanide	TO-15
Soil							
E11ST-SB101(7-8)	7 - 8	07/14/06	X	X	X	X	
E11ST-SB101(20-21)	20 - 21	07/15/06	X	X	X	X	
E11ST-SB101(32.5-33)	32.5 - 33	07/15/06	X	X	X	X	
E11ST-SB101(37-38)	37 - 38	07/15/06	X	X	X	X	
E11ST-SB102(8-9)	8 - 9	07/13/06	X	X	X	X	
E11ST-SB102(32-33)	32 - 33	07/13/06	X	X	X	X	
E11ST-SB102(39-40)	39 - 40	07/13/06	X	X	X	X	
E11ST-SB102(49-50)	49 - 50	07/13/06	X	X	X	X	
E11ST-SB103(8-9)	8 - 9	07/30/06	X	X	X	X	
E11ST-SB103(49-50)	49 - 50	07/30/06	X	X	X	X	
E11ST-SB104(7-8)	7 - 8	07/31/06	X	X	X	X	
E11ST-SB104(20-21)	20 - 21	07/31/06	X	X	X	X	
E11ST-SB104(25.5-26)	25.5 - 26	07/31/06	X	X	X	X	
E11ST-SB104(49-50)	49 - 50	07/31/06	X	X	X	X	
E11ST-SB105(9-10)	9 - 10	07/28/06	X	X	X	X	
E11ST-SB105(11-12)	11 - 12	07/28/06	X	X	X	X	
E11ST-SB105(16.5-17)	16 - 17	07/28/06	X	X	X	X	
E11ST-SB105(39-40)	39 - 40	07/28/06	X	X	X	X	
E11ST-SB106(8-9)	8 - 9	07/30/06	X	X	X	X	
E11ST-SB106(20-21)	20 - 21	07/30/06	X	X	X	X	
E11ST-SB106(32-33)	32 - 33	07/30/06	X	X	X	X	
E11ST-MW107B(9-11)	9 - 11	06/20/06	X	X	X	X	
E11ST-MW107B(29-31)	29 - 31	06/20/06	X	X	X	X	
E11ST-MW107B(39-41)	39 - 41	06/20/06	X	X	X	X	
E11ST-MW107B(53-54)	53 - 54	06/20/06	X	X	X	X	
E11ST-SB108(9-11)	9 - 11	06/19/06	X	X	X	X	
E11ST-SB108(34-35)	34 - 35	06/20/06	X	X	X	X	
E11ST-SB108(43-45)	43 - 45	06/21/06	X	X	X	X	
E11ST-SB-109(6.5-7)	6.5 - 7	06/15/06	X	X	X	X	
E11ST-SB-109(31-33)	31 - 33	06/15/06	X	X	X	X	
E11ST-SB-109(41-43)	41 - 43	06/16/06	X	X	X	X	
E11ST-SB110(7-8)	7 - 8	06/21/06	X	X	X	X	
E11ST-SB110(17-19)	17 - 19	06/21/06	X	X	X	X	
E11ST-SB110(26-26.5)	26 - 26.5	06/22/06	X	X	X	X	
E11ST-SB110(49-51)	49 - 51	06/22/06	X	X	X	X	
E11ST-MW111B(6-9)	6 - 9	06/21/06	X	X	X	X	
E11ST-MW111B(29-31)	29 - 31	06/22/06	X	X	X	X	
E11ST-MW111B(45-45.5)	45 - 45.5	06/22/06	X	X	X	X	
E11ST-MW111B(53-54)	53 - 54	06/22/06	X	X	X	X	
E11ST-SB112(5-7)	5 - 7	06/23/06	X	X	X	X	
E11ST-SB112(17-18)	17 - 18	06/23/06	X	X	X	X	
E11ST-SB112(34-35)	34 - 35	07/28/06	X	X	X	X	
E11ST-SB112(54-55)	54 - 55	07/28/06	X	X	X	X	
E11ST-SB113(5-7)	5 - 7	07/13/06	X	X	X	X	
E11ST-SB113(8.5-9.5)	8.5 - 9.5	07/13/06	X	X	X	X	
E11ST-SB113(9-10)	9 - 10	07/27/06	X	X	X	X	
E11ST-SB113(14-15)	14 - 15	07/27/06	X	X	X	X	
E11ST-SB113(22-23)	22 - 23	07/27/06	X	X	X	X	
E11ST-SB113(34-35)	34 - 35	07/27/06	X	X	X	X	
E11ST-SB115(9-10)	9 - 10	07/25/06	X	X	X	X	
E11ST-SB115(19-20)	19 - 20	07/25/06	X	X	X	X	
E11ST-SB115(23-24)	23 - 24	07/25/06	X	X	X	X	
E11ST-SB115(33-34)	33 - 34	07/25/06	X	X	X	X	

See Notes on Page 4.

Table 5. Sample Summary, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Location ID	Depth Range (feet bgs)	Date Sampled	TCL VOCs	TCL SVOCs	PPL Metals	Total Cyanide	TO-15
Soil (Cont'd.)							
E11ST-SB116(5-7)	5 - 7	06/13/06	X	X	X	X	
E11ST-SB116(14-16)	14 - 16	06/23/06	X	X	X	X	
E11ST-SB116(20-20.5)	20 - 20.5	06/23/06	X	X	X	X	
E11ST-SB116(38-39)	38 - 39	06/23/06	X	X	X	X	
E11ST-SB117(6-8)	6 - 8	07/06/06	X	X	X	X	
E11ST-SB117(16-18)	16 - 18	07/06/06	X	X	X	X	
E11ST-SB117(25.5-26)	25.5 - 26	07/07/06	X	X	X	X	
E11ST-SB117(34-36)	34 - 36	07/07/06	X	X	X	X	
E11ST-SB118(9-11)	9 - 11	06/26/06	X	X	X	X	
E11ST-SB118(19-21)	19 - 21	06/26/06	X	X	X	X	
E11ST-SB118(23-23.5)	23 - 23.5	06/26/06	X	X	X	X	
E11ST-SB118(43-45)	43 - 45	06/26/06	X	X	X	X	
E11ST-SB119(7-9)	7 - 9	06/13/06	X	X	X	X	
E11ST-SB119(11-13)	11 - 13	06/13/06	X	X	X	X	
E11ST-SB119(17-19)	17 - 19	06/13/06	X	X	X	X	
E11ST-SB119(37-39)	37 - 39	06/14/06	X	X	X	X	
E11ST-SB120(5-7)	5 - 7	06/30/06	X	X	X	X	
E11ST-SB120(11-13)	11 - 13	06/30/06	X	X	X	X	
E11ST-SB120(17-17.5)	17 - 17.5	06/30/06	X	X	X	X	
E11ST-SB120(33-35)	33 - 35	06/30/06	X	X	X	X	
E11ST-SB121(9-10)	9 - 10	07/25/06	X	X	X	X	
E11ST-SB121(11-12)	11 - 12	07/25/06	X	X	X	X	
E11ST-SB121(29-30)	29 - 30	07/25/06	X	X	X	X	
E11ST-SB121(39-40)	39 - 40	07/25/06	X	X	X	X	
E11ST-SB122(9-10)	9 - 10	07/27/06	X	X	X	X	
E11ST-SB122(13-14)	13 - 14	07/27/06	X	X	X	X	
E11ST-SB122(20-20.5)	20 - 20.5	07/27/06	X	X	X	X	
E11ST-SB122(39-40)	39 - 40	07/27/06	X	X	X	X	
E11ST-SB123(5-7)	5 - 7	06/09/06	X	X	X	X	
E11ST-SB123(13-15)	13 - 15	06/09/06	X	X	X	X	
E11ST-SB123(19.5-20)	19.5 - 20	06/09/06	X	X	X	X	
E11ST-SB123(37-39)	37 - 39	06/12/06	X	X	X	X	
E11ST-SB124(7-9)	7 - 9	05/31/06	X	X	X	X	
E11ST-SB124(15-17)	15 - 17	05/31/06	X	X	X	X	
E11ST-SB124(27-27.5)	27 - 27.5	06/02/06	X	X	X	X	
E11ST-SB124(37-39)	37 - 39	06/06/06	X	X	X	X	
E11ST-SB125(6-7)	6 - 7	07/11/06	X	X	X	X	
E11ST-SB125(17-18)	17 - 18	07/11/06	X	X	X	X	
E11ST-SB125(30-30.5)	30 - 30.5	07/11/06	X	X	X	X	
E11ST-SB125(42-43)	42 - 43	07/11/06	X	X	X	X	
E11ST-SB126(9-10)	9 - 10	02/12/07	X	X	X	X	
E11ST-SB126(31-32)	31 - 32	02/12/07	X	X	X	X	
E11ST-SB126(46-47)	46 - 47	02/12/07	X	X	X	X	
E11ST-SB126(49-50)	49 - 50	02/12/07	X	X	X	X	
E11ST-SB127(7-8)	7 - 8	02/12/07	X	X	X	X	
E11ST-SB127(48-49)	48 - 49	02/13/07	X	X	X	X	
E11ST-SB127(50-51)	50 - 51	02/13/07	X	X	X	X	
E11ST-SB127(54-55)	54 - 55	02/13/07	X	X	X	X	
E11ST-SB128(8-9)	8 - 9	02/08/07	X	X	X	X	
E11ST-SB128(31-32)	31 - 32	02/08/07	X	X	X	X	
E11ST-SB128(43-44)	43 - 44	02/08/07	X	X	X	X	
E11ST-SB128(49-50)	49 - 50	02/08/07	X	X	X	X	
E11ST-SB129(7-8)	7 - 8	02/07/07	X	X	X	X	

See Notes on Page 4.

Table 5. Sample Summary, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Location ID	Depth Range (feet bgs)	Date Sampled	TCL VOCs	TCL SVOCs	PPL Metals	Total Cyanide	TO-15
Soil (Cont'd.)							
E11ST-SB129(18-19)	18 - 19	02/07/07	X	X	X	X	
E11ST-SB129(33-34)	33 - 34	02/07/07	X	X	X	X	
E11ST-SB129(49-50)	49 - 50	02/07/07	X	X	X	X	
E11ST-SB130(7-8)	7 - 8	02/06/07	X	X	X	X	
E11ST-SB130(20-21)	20 - 21	02/06/07	X	X	X	X	
E11ST-SB130(28-29)	28 - 29	02/06/07	X	X	X	X	
E11ST-SB130(40-41)	40 - 41	02/06/07	X	X	X	X	
E11ST-SB131(7-8)	7 - 8	01/15/07	X	X	X	X	
E11ST-SB131(10-11)	10 - 11	01/15/07	X	X	X	X	
E11ST-SB131(13-14)	13 - 14	01/15/07	X	X	X	X	
E11ST-SB131(36-37)	36 - 37	01/15/07	X	X	X	X	
E11ST-SB131(49-50)	49 - 50	01/15/07	X	X	X	X	
E11ST-SB132(10-11)	10 - 11	01/16/07	X	X	X	X	
E11ST-SB132(13-14)	13 - 14	01/16/07	X	X	X	X	
E11ST-SB132(16-17)	16 - 17	01/16/07	X	X	X	X	
E11ST-SB132(49-50)	49 - 50	01/16/07	X	X	X	X	
E11ST-SB133(10-11)	10 - 11	01/16/07	X	X	X	X	
E11ST-SB133(49-50)	49 - 50	01/17/07	X	X	X	X	
E11ST-SB134(9-10)	9 - 10	01/19/07	X	X	X	X	
E11ST-SB134(39-40)	39 - 40	01/19/07	X	X	X	X	
E11ST-SB135(10-11)	10 - 11	01/17/07	X	X	X	X	
E11ST-SB135(15-16)	15 - 16	01/17/07	X	X	X	X	
E11ST-SB135(40-41)	40 - 41	01/18/07	X	X	X	X	
Groundwater							
E11ST-MW02	NA	08/31/06	X	X	X	X	
E11ST-MW04	NA	08/28/06	X	X	X	X	
E11ST-MW06	NA	08/31/06	X	X	X	X	
E11ST-MW103A	NA	08/30/06	X	X	X	X	
E11ST-MW104B	NA	08/30/06	X	X	X	X	
E11ST-MW105A	NA	08/30/06	X	X	X	X	
E11ST-MW106A	NA	08/30/06	X	X	X	X	
E11ST-MW107A	NA	08/31/06	X	X	X	X	
E11ST-MW107B	NA	08/31/06	X	X	X	X	
E11ST-MW111A	NA	08/31/06	X	X	X	X	
E11ST-MW115A	NA	08/30/06	X	X	X	X	
E11ST-MW121A	NA	08/29/06	X	X	X	X	
E11ST-MW121B	NA	08/29/06	X	X	X	X	
E11ST-MW122A	NA	08/28/06	X	X	X	X	
E11ST-MW122B	NA	08/28/06	X	X	X	X	
E11ST-MW125A	NA	08/29/06	X	X	X	X	
E11ST-MW125B	NA	08/29/06	X	X	X	X	
MW-127A	NA	03/05/07	X	X	X	X	
MW-127B	NA	03/05/07	X	X	X	X	
MW-128A	NA	03/05/07	X	X	X	X	
MW-128B	NA	03/05/07	X	X	X	X	
MW-130A	NA	03/05/07	X	X	X	X	
MW-130B	NA	03/05/07	X	X	X	X	
Soil Gas							
JR-170-SG-1	NA	03/19/07					X
JR-170-SG-2	NA	03/19/07					X
JR-1223-SG-2	NA	03/20/07					X
JR-1141-SG-1	NA	03/20/07					X
JR-1141-SG-2	NA	03/19/07					X

See Notes on Page 4.

Table 5. Sample Summary, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Location ID	Depth Range (feet bgs)	Date Sampled	TCL VOCs	TCL SVOCs	PPL Metals	Total Cyanide	TO-15
Soil Gas (Cont'd.)							
JR-178-SG-1	NA	03/20/07					X
JR-178-SG-4	NA	03/20/07					X
Church-SG-2	NA	03/21/07					X
Church-SG-5	NA	03/21/07					X
Sub-Slab							
JR-1115-SS-1	NA	03/20/07					X
JR-1115-SS-2	NA	03/19/07					X
JR-1223-SS-1	NA	03/20/07					X
School-SS-11	NA	03/21/07					X
School-SS-12	NA	03/21/07					X
Indoor Air							
JR-170-IA-1	NA	03/19/07					X
JR-170-IA-2	NA	03/19/07					X
JR-170-IA-3	NA	03/19/07					X
JR-170-IA-4	NA	03/19/07					X
JR-1115-IA-1	NA	03/19/07					X
JR-1115-IA-2	NA	03/19/07					X
JR-1115-IA-3	NA	03/19/07					X
JR-1115-IA-4	NA	03/19/07					X
JR-1223-IA-1	NA	03/20/07					X
JR-1223-IA-2	NA	03/20/07					X
JR-1223-IA-3	NA	03/20/07					X
JR-1223-IA-4	NA	03/20/07					X
JR-1141-IA-1	NA	03/21/07					X
JR-1141-IA-2	NA	03/19/07					X
JR-1141-IA-3	NA	03/19/07					X
JR-178-IA-1	NA	03/20/07					X
JR-178-IA-2	NA	03/21/07					X
JR-178-IA-3	NA	03/20/07					X
School-IA-6	NA	03/21/07					X
School-IA-7	NA	03/21/07					X
School-IA-8	NA	03/21/07					X
School-IA-9	NA	03/21/07					X
School-IA-10	NA	03/21/07					X
Church-IA-1	NA	03/21/07					X
Church-IA-3	NA	03/21/07					X
Church-IA-4	NA	03/21/07					X
Ambient Air							
AA-031907	NA	03/19/07					X
AA-032007	NA	03/20/07					X
AA-032107	NA	03/21/07					X
AA-032207	NA	03/22/07					X

Notes:

NA = not applicable.

TCL = Target Compound List.

VOCs = volatile organic compounds.

SVOCs = semi-volatile organic compounds.

PPL = Priority Pollutant List.

bgs = below ground surface

Table 6. Monitoring Well Construction Summary, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Location ID	Date Completed	Investigation	Sample Location	Unit Screened	Northing Coordinate	Easting Coordinate	Measuring Point Elev.	Ground Surface Elev.	Well Diameter	Casing/Screen Type	Screen Slot Size	Screen Length	Sump Length	Depth to Screened Interval (ft. bgs)		Well Depth	Borehole Depth
					feet	feet	feet (MVD)	(MVD)	in.		in.	feet	feet	Top	Bottom	feet bgs	feet bgs
MW-1	08/20/04	SC	SE	sand & silt	689991.510	637674.630	8.12	8.43	2	PVC	0.020	15.0	2.0	8.0	23.0	25.0	27.0
MW-2	04/15/04	SC	JR	sand & silt	689765.200	638021.370	6.14	6.62	2	PVC	0.020	15.0	2.0	3.0	18.0	20.0	21.0
MW-3	04/22/04	SC	JR	sand & silt	689742.469	638278.040	6.30	6.53	2	PVC	0.020	15.0	2.0	3.0	18.0	20.0	28.0
MW-4	04/15/04	SC	JR	sand & silt	689588.480	637774.500	6.01	6.41	2	PVC	0.020	15.0	2.0	3.0	18.0	20.0	21.0
MW-5	04/20/04	SC	JR	sand, silt & clay	689433.110	638155.200	5.44	6.10	2	PVC	0.020	15.0	2.0	3.0	18.0	20.0	25.0
MW-6	09/01/04	SC	SE	sand & silt	690203.040	637679.910	7.22	7.56	2	PVC	0.020	10.0	2.0	5.0	15.0	17.0	21.0
MW-103A	7/30/06	RI	SE	fine sand & silt	689986.529	637640.986	8.20	8.48	2	PVC	0.010	10.0	2.0	6.0	16.0	18.0	50.0
MW-104B	7/31/06	RI	SE	sand & silt	689967.186	637677.134	8.06	8.38	2	PVC	0.010	10.0	2.0	15.0	25.0	27.0	50.0
MW-105A	7/29/06	RI	SE	sand & silt	689902.026	637793.509	7.61	7.88	2	PVC	0.010	10.0	2.0	7.0	17.0	19.0	40.0
MW-106A	7/30/06	RI	SE	sand & silt	689919.680	637653.352	8.24	8.49	2	PVC	0.010	10.0	2.0	6.0	16.0	18.0	35.0
MW-107A	6/21/06	RI	JR	sand	689985.562	638191.540	6.71	6.99	2	PVC	0.010	10.0	0.5	5.5	15.5	16.0	16.0
MW-107B	6/21/06	RI	JR	sand & silt	689983.419	638194.194	6.64	6.98	2	PVC	0.010	10.0	2.5	28.8	38.8	41.3	54.0
MW-111A	NA	NA	JR	NA	NA	NA	6.03	6.36	2	PVC	NA	NA	NA	NA	NA	NA	NA
MW-111B	6/22/06	RI	JR	sand & silt	689809.037	638339.202	6.14	6.42	2	PVC	0.010	10.0	2.5	30.0	40.0	42.5	54.0
MW-115A	7/31/06	RI	JR	sand & silt	689729.477	637819.674	7.53	7.78	2	PVC	0.010	10.0	2.0	6.0	16.0	18.0	35.0
MW-121A	7/26/06	RI	JR	silt & sand	689453.013	637948.994	6.76	6.99	2	PVC	0.010	10.0	2.0	6.0	16.0	18.0	18.0
MW-121B	7/26/06	RI	JR	sand, silt & clay	689453.928	637953.765	6.65	7.03	2	PVC	0.010	10.0	2.0	25.0	35.0	37.0	40.0
MW-122A	7/13/06	RI	JR	sand & silt	689548.125	637736.773	6.37	6.61	2	PVC	0.010	10.0	2.0	5.0	15.0	17.0	17.0
MW-122B	7/27/06	RI	JR	sand, silt & clay	689552.913	637741.256	6.39	6.58	2	PVC	0.010	10.0	2.0	25.0	35.0	37.0	40.0
MW-125A	7/12/06	RI	JR	sand & silt	689352.961	638101.706	5.49	5.64	2	PVC	0.010	10.0	2.0	4.0	14.0	16.0	16.0
MW-125B	7/11/06	RI	JR	sand, silt & clay	689352.961	638101.706	5.48	5.62	2	PVC	0.010	10.0	2.0	31.0	41.0	43.0	45.0
MW-127A	2/13/07	RI	ERP	sand & gravel	689656.248	638425.107	6.36	6.71	2	PVC	0.010	10.0	2.0	6.0	16.0	18.0	18.0
MW-127B	2/13/07	RI	ERP	sand & silt	689654.224	638422.332	6.47	6.73	2	PVC	0.010	10.0	2.0	40.0	50.0	52.0	55.0
MW-128A	2/9/07	RI	ERP	sand & gravel	689567.945	638390.311	5.83	6.07	2	PVC	0.010	10.0	2.0	6.0	16.0	18.0	18.0
MW-128B	2/8/07	RI	ERP	sand & silt	689563.930	638387.869	5.75	6.00	2	PVC	0.010	10.0	2.0	35.0	45.0	47.0	50.0
MW-130A	2/9/07	RI	ERP	sand & gravel	689302.735	638254.798	4.44	4.82	2	PVC	0.010	15.0	2.0	6.0	21.0	23.0	23.0
MW-130B	2/6/07	RI	ERP	sand	689298.295	638253.204	4.57	4.85	2	PVC	0.010	10.0	2.0	30.0	40.0	42.0	45.0

Notes:

PVC = polyvinyl chloride.

JR = Jacob Riis.

SE = Saint Emeric's.

ERP = East River Park

SC = Site Characterization Study, TRC, March 2005.

RI = Remedial Investigation.

NA = not available; well likely installed prior to SC.

in. = inches

bgs = below ground surface

All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook

Northing and easting coordinates on New York State Plane grid.

Measuring point elevations for MW-1 through MW-5 are based on TRC's Site Characterization Study.

Table 7. Water Level and NAPL Measurement Summary, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Location ID	Measuring Point Elev. feet (MVD)	Depth to Water			Water Elevation - feet (MVD)			Measured NAPL - feet
		10/12/04	08/28/06	03/05/07	10/12/04	08/28/06	03/05/07	08/28/06
MW-1	8.12	8.61	9.65	9.34	-0.49	-1.53	-1.22	0.0
MW-2	6.14	5.37	5.76	5.35	0.77	0.38	0.79	0.0
MW-3	6.30	6.02	7.39	5.66	0.28	-1.09	0.64	0.6
MW-4	6.01	6.82	6.70	6.75	-0.81	-0.69	-0.74	0.0
MW-5	5.44	6.48	6.85	6.34	-1.04	-1.41	-0.90	1.6
MW-6	7.22	7.72	8.33	NG	-0.50	-1.11	NC	0.0
MW-103A	8.20	--	9.43	8.77	--	-1.23	-0.57	0.0
MW-104B	8.06	--	9.27	8.72	--	-1.21	-0.66	0.0
MW-105A	7.61	--	8.55	7.80	--	-0.94	-0.19	0.0
MW-106A	8.24	--	9.35	8.65	--	-1.11	-0.41	0.0
MW-107A	6.71	--	7.85	7.54	--	-1.14	-0.83	0.0
MW-107B	6.64	--	7.91	7.81	--	-1.27	-1.17	0.0
MW-111A	6.03	--	7.52	7.82	--	-1.49	-1.79	0.0
MW-111B	6.14	--	8.55	7.96	--	-2.41	-1.82	0.3
MW-115A	7.53	--	7.70	6.62	--	-0.17	0.91	0.0
MW-121A	6.76	--	7.01	6.25	--	-0.25	0.51	0.0
MW-121B	6.65	--	7.51	7.52	--	-0.86	-0.87	0.0
MW-122A	6.37	--	6.95	6.16	--	-0.58	0.21	0.0
MW-122B	6.39	--	7.00	6.81	--	-0.61	-0.42	0.0
MW-125A	5.49	--	6.38	5.79	--	-0.89	-0.30	0.0
MW-125B	5.48	--	6.46	6.49	--	-0.98	-1.01	0.0
MW-127A	6.36	--	--	8.30	--	--	-1.94	0.0
MW-127B	6.47	--	--	7.96	--	--	-1.49	0.0
MW-128A	5.83	--	--	7.67	--	--	-1.84	0.0
MW-128B	5.75	--	--	7.02	--	--	-1.27	0.0
MW-130A	4.44	--	--	6.75	--	--	-2.31	0.0
MW-130B	4.57	--	--	5.59	--	--	-1.02	0.0

Notes:

NG = not gauged.

NC = not calculated.

-- = well installed after gauging event.

MVD = Manhattan Vertical Datum

All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Table 8. Air Sample Location Summary, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Building	Type	Sample ID	Sample Date	Description	Ground Cover	Approximate Duration (hours)
Ambient Air						
1115	AA	AA-031907	03/19/07	Outside and upwind	NA	1
1141	AA	AA-032007	03/20/07	Outside and upwind	NA	1
Church	AA	AA-032107	03/21/07	Outside and upwind	NA	1
Church	AA	AA-032207	03/22/07	Outside and upwind	NA	1
St. Emeric's						
Church	IA	Church-IA-1	03/21/07	Next to SE door/church lobby	NA	24
Church	SG	Church-SG-2	03/21/07	Next to SE door in garden	Soil	24
Church	IA	Church-IA-3	03/21/07	In main church area between pews and altar	NA	24
Church	IA	Church-IA-4	03/21/07	Near south entrance to sacristy	NA	24
Church	SG	Church-SG-5	03/21/07	Outside SW door in garden	Soil	24
School	IA	School-IA-6	03/21/07	SW section of basement	NA	24
School	IA	School-IA-7	03/21/07	NW section of basement	NA	24
School	IA	School-IA-8	03/21/07	NE section of basement	NA	24
School	IA	School-IA-9	03/21/07	SW section of basement	NA	24
School	IA	School-IA-10	03/21/07	SW section of basement; above brick holder wall	NA	24
School	SS	School-SS-11	03/21/07	West side of basement	Concrete	24
School	SS	School-SS-12	03/21/07	East side of basement	Concrete	24
Jacob Riis						
170	IA	JR-170-IA-1	03/19/07	East side of full basement	NA	24
170	SG	JR-170-SG-1	03/19/07	East side of full basement	Soil	24
170	IA	JR-170-IA-2	03/19/07	North wing of full basement	NA	24
170	SG	JR-170-SG-2	03/19/07	North wing of full basement	Soil	24
170	IA	JR-170-IA-3	03/19/07	South wing of basement; room with vault	NA	24
170	IA	JR-170-IA-4	03/19/07	Center of basement; in stairwell outside Door 1B	NA	1
178	IA	JR-178-IA-1	03/20/07	North wing of basement; inside 2'x2' access door	NA	24
178	SG	JR-178-SG-1	03/20/07	Near NW building corner; soil gas on grass near 2'x2' access door	Soil	1
178	IA	JR-178-IA-2	03/21/07	Meter room on north side of basement	NA	24
178	IA	JR-178-IA-3	03/20/07	Center of basement; in stairwell outside Door 2B	NA	1
178	SG	JR-178-SG-4	03/20/07	Near SE building corner; soil gas on grass south of SE building corner	Soil	1
1223	IA	JR-1223-IA-1	03/20/07	In trash compactor room; south of compactor in corner	NA	24
1223	SS	JR-1223-SS-1	03/20/07	In trash compactor room; south of compactor in corner	Concrete	24
1223	IA	JR-1223-IA-2	03/20/07	West side of full basement; near brick pile in N corner	NA	24
1223	SG	JR-1223-SG-1	03/20/07	West side of full basement; near brick pile in N corner	Soil	24

See Notes on Page 2.

Table 8. Air Sample Location Summary, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Building	Type	Sample ID	Sample Date	Description	Ground Cover	Approximate Duration (hours)
Jacob Riis (Cont'd.)						
1223	IA	JR-1223-IA-3	03/20/07	East stairwell	NA	1
1223	IA	JR-1223-IA-4	03/20/07	West stairwell	NA	1
1141	IA	JR-1141-IA-1	03/21/07	West wing of basement; inside 2'x2' access door	NA	24
1141	SG	JR-1141-SG-1	03/20/07	Near SW building corner; soil gas on grass near 2'x2' access door	Soil	1
1141	IA	JR-1141-IA-2	03/19/07	East wing of basement; inside 2'x2' access door	NA	24
1141	SG	JR-1141-SG-2	03/19/07	Near NE building corner; soil gas on grass near 2'x2' access door	Soil	1
1141	IA	JR-1141-IA-3	03/19/07	Center stairwell near Door 2B	NA	1
1115	IA	JR-1115-IA-1	03/19/07	West side of full basement	NA	24
1115	SS	JR-1115-SS-1	03/20/07	West side of full basement	Concrete*	24
1115	IA	JR-1115-IA-2	03/19/07	Plaster Room; in corner away from electrical panel	NA	24
1115	SS	JR-1115-SS-2	03/19/07	Plaster Room; in corner away from electrical panel	Concrete	24
1115	IA	JR-1115-IA-3	03/19/07	West wing of full basement	NA	24
1115	IA	JR-1115-IA-4	03/19/07	Center stairwell near Door 1B	NA	1

Notes:

IA = indoor air.

SG = soil gas installed at 2-3 ft bgs per SVI Work Plan.

SS = sub-slab soil gas installed just below bottom of concrete slab per SVI Work Plan.

AA = ambient air

NA = not applicable.

SVI = soil vapor investigation.

* = formerly earthen floor, as reported by previous consultants.

Table 9. Summary of Field Observations, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID	Investigation	Sample Location	Depth (feet bgs)	Observation
B-1	SC	HP	3-5	Sewage odor
B-2/MW-6	SC	SE	5-7.5	Gasoline odor
B-3	SC	SE	13-16	Creosote odor
B-4	SC	JR	7-9	Solvent odor
B-5/MW-2	SC	JR	3-5	Visible OLM
			3-9.3	MGP odor
			7-9	Visible OLM
			11-13	Slight solvent odor
			17-19	Petroleum odor
B-6	SC	JR	0.5-4	Petroleum odor
			7-23	Visible OLM, MGP odor
			19-23	Visible TLM
B-7	SC	JR	15-17	Slight sulfur odor
B-8	SC	JR	10-14	Visible OLM/TLM, MGP odor
B-10	SC	JR	5-15	MGP odor
			7-13	Visible OLM
B-11/MW-3	SC	JR	1-2	Slight naphthalene odor
			6-18	Visible TLM
			6-24	Visible OLM
B-12	SC	JR	6-24	MGP odor
			7-9	Visible OLM
			15-23	Visible OLM/TLM
B-13	SC	JR	--	Refusal due to wood timbers at 10' bgs
B-14	SC	JR	6-14	Petroleum odor
B-15	SC	JR	8-12	MGP odor
B-16	SC	JR	3-11	Petroleum odor
			13-19	MGP odor
			17-18.2	Visible OLM
B-17	SC	JR	7-18.9	MGP odor
			8-20	Visible OLM
B-18	SC	JR	7-7.5	Slight solvent odor
B-19	SC	JR	8-12	Slight solvent odor
			12-18.5	MGP odor
			14-18	Visible OLM/TLM
B-20	SC	JR	--	Refusal due to concrete at 6.5' bgs
B-21	SC	JR	13-15	Visible product
			13-23	Petroleum odor
B-22	SC	JR	8-18	Visible OLM, MGP odor
B-23/MW-5	SC	JR	0.5-4	Petroleum odor
			9-15	Visible OLM
			9-21	MGP odor
			19-21	Visible TLM
B-24	SC	SE	9-10.5	Strong odor
B-25/MW-1	SC	SE	9-21	MGP odor
B-26	SC	SE	15-21	Odor
			29-31	MGP odor
B-27	SC	JR	2-3	MGP odor
			10-13	MGP odor
B-32	SC	JR	5-27	MGP odor
			7-19	Visible OLM
			11-21	Visible TLM
			21-25	Visible OLM
			25-27	Visible TLM

See Notes on Page 4.

Table 9. Summary of Field Observations, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID	Investigation	Sample Location	Depth (feet bgs)	Observation
B-33	SC	JR	5-29.5	MGP odor
			7-29.5	Visible OLM
			19-27	Visible TLM
B-34	SC	JR	7-23	MGP odor
			15-23	Visible OLM/TLM
B-35	SC	JR	--	Refusal due to concrete at 7.5' bgs
B-37	SC	JR	5-11	Strong solvent odor
			7-29	MGP odor
			17-19	Visible OLM
			19-23	Visible TLM
B-38	SC	JR	10-14	Slight solvent odor
			10-18	Slight sheen
B-39/MW-4	SC	JR	--	No visual impacts
B-40	SC	SE	--	Refusal due to concrete at 4.5' bgs
B-40A	SC	SE	--	Refusal due to concrete at 4.0' bgs
B-41	SC	JR	--	Refusal due to concrete at 5.5' bgs
B-45	SC	JR	9-33	MGP odor
			11-33	Visible OLM
			17-33	Visible TLM
B-46	SC	JR	--	Refusal due to wood timbers
B-56	SC	SE	3-4	Gasoline odor
B-TT1	SC	SE	9-12.5	MGP odor
			12.5	Visible OLM
TT-1	SC	SE	--	No visual impacts
TT-2	SC	SE	--	No visual impacts
TT-3	SC	JR	2-3	Slight MGP-related odor
TT-4	SC	JR	--	No visual impacts
TT-5	SC	JR	--	No visual impacts
TT-8	SC	JR	2-3.5	Slight MGP-related odor
TT-10	SC	JR	4-8	Strong solvent odor
TT-11	SC	SE	-	No visual impacts
TT-13	SC	JR	3-5	Slight MGP-related odor
TT-14	SC	JR	2-4	MGP-related odor
TT-15	SC	JR	--	No visual impacts
TT-16	SC	JR	0.6-2	Slight MGP-related odor
			2-4	Strong MGP-related odor, Black TLM seam at northern end of trench
			4-5.5	Strong MGP-related odor
TT-17	SC	JR	--	No visual impacts
TT-18	SC	JR	--	No visual impacts
TT-19	SC	JR	7-8	MGP-related odor, sheen
TT-21	SC	JR	1.8-6	Slight MGP-related odor
TT-22	SC	JR	2-4	Slight MGP-related and creosote odor
SB-101	RI	SE	20-27	Tar-like material, odor
SB-102	RI	SE	11.5-15	Tar-like material
			30-31	Sheen, odor
			31-33	Heavy sheen, tar-like material
			33-35	Little odor
MW-103A	RI	SE	0-50	No visual impacts
MW-104B	RI	SE	9.5-12	MGP odor
			12-17	Tar-like material, MGP odor
			17-20	MGP odor
			20-23.5	Tar-like material, strong MGP odor
			23.5-27	MGP odor
			30-31	Slight MGP odor

See Notes on Page 4.

Table 9. Summary of Field Observations, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID	Investigation	Sample Location	Depth (feet bgs)	Observation
MW-105A	RI	SE	9-13	Slight MGP odor
MW-106A	RI	SE	20-23	Slight MGP odor
MW-107A/B	RI	JR	16.5-28.5	Slight odor
			28.5-29	Heavy sheen, odor
			28.5-34	Trace tar-like material, strong MGP odor
			34-37	Tar-like material, odor
			37-39	Oil-like material, MGP odor
SB-108	RI	JR	39-48.5	Slight MGP odor
			19-21	Slight MGP odor
			31-33	Slight MGP odor
			34-34.5	Tar-like material, strong MGP odor
SB-109	RI	JR	34.5-45	Slight MGP odor
			19-31	Trace sheen, non-MGP odor
			31-35	Red brown Tar-like material , MGP odor
			35-38	Slight odor, trace sheen
SB-110	RI	JR	38-43	Slight odor
			9-12	Slight MGP odor
			17-22	Slight MGP odor
MW-111B	RI	JR	23-25	Slight MGP odor
			6-19	Sheen, MGP odor
			19-40	Red-brown Tar-like material , strong MGP odor
SB-112	RI	JR	40-44	Sheen, MGP odor
			7-12	Oil-like material, sheen, MGP odor
			12-17.5	Slight MGP odor
			17.5-18	Strong MGP odor, sheen
			18-18.25	Tar-like material
			25-25.5	MGP odor
			25.5-26	Sheen, MGP odor
			26-26.5	Odor
SB-113	RI	JR	26.5-30	Slight MGP odor
MW-115A	RI	JR	0-35	No visual impacts
SB-116	RI	JR	0-35	No visual impacts
			5-9	Sheen
			9-14	MGP odor, slight sheen
SB-117	RI	JR	14-20	Trace tar-like material, MGP odor
			6.9-18.5	Tar-like material , MGP odor
			18.5-20	MGP odor
SB-118	RI	JR	26-28	Slight odor
			9-15	MGP odor, slight sheen
			15-21.5	Red brown tar-like material , MGP odor
			21.5-27	MGP odor
			27-31	Sheen, MGP odor
SB-119	RI	JR	31-38.5	Slight MGP odor
			7-7.5	Sheen, odor
			7.5-11	Tar-like material, strong odor
			11-17	Sheen, strong odor
			17-19.5	Slight odor
			21-24.5	Sheen, slight odor
SB-120	RI	JR	25-34	Slight odor
MW-121A/B	RI	JR	11-13	Slight MGP odor
MW-122A/B	RI	JR	10-12	Slight odor
SB-123	RI	JR	11-12.5	Slight odor
			13.8-15	Slight odor

See Notes on Page 4.

Table 9. Summary of Field Observations, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID	Investigation	Sample Location	Depth (feet bgs)	Observation
SB-124	RI	JR	0-39	No visual impacts
MW-125A/B	RI	JR	0-45	No visual impacts
SB-126	RI	ERPP	10-11	Sheen
			17-18	Sheen
			30-35	MGP-like odor
			35-36.5	Trace MGP product, heavy MGP-like odor
			40-46	Tar-like material
MW-127A/B	RI	ERPP	23-35	Sheen, MGP-like odor
			39.5-50.5	Sheen, heavy MGP-like odor
MW-128A/B	RI	ERPP	15-20	Sheen, MGP-like odor
			20-22	Tar-like material, heavy MGP-like odor
			31-31.5	Tar-like material
			35-42	Sheen, slight MGP-like odor
			42-43	Tar-like material, MGP-like odor
SB-129	RI	ERPP	8.25-8.5	MGP-like odor
			11.5-12	MGP-like odor
			17-20	MGP-like odor
			17-22	Tar-like material, MGP odor
			25-26	Slight MGP odor
MW-130A/B	RI	ERPP	15-20	MGP-like odor
			20-21	Sheen, strong MGP-like odor
			21-25	MGP-like odor
SB-131	RI	HP	6-10	MGP odor
			36-36.5	Petroleum-like odor, sheen
SB-132	RI	HP	11-14	Strong MGP-like odor
			14-15	Slight MGP-like odor
SB-133	RI	HP	0-50	No visual impacts
SB-134	RI	HP	0-45	No visual impacts
SB-135	RI	HP	10	Sheen
			10-15	Slight MGP-like odor

Notes:

Bold = indicates presence of OLM or TLM.

OLM = oil-like material.

TLM = tar-like material.

MGP = manufactured gas plant.

bgs = below ground surface.

JR = Jacob Riis.

SE = Saint Emeric's.

ERPP = East River Park Promenade.

HP = Haven Plaza.

SC = Site Characterization Study, TRC, March 2005.

RI = Remedial Investigation.

Table 10. Summary of VOCs Detected in Surface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SS-1 0 - 0.2 06/11/04	SS-2 0 - 0.2 06/11/04	SS-3 0 - 0.2 06/11/04	SS-4 0 - 0.2 06/11/04	SS-5 0 - 0.2 06/09/04	SS-6 0 - 0.2 06/09/04	SS-7 0 - 0.2 06/09/04
Volatile Organic Compounds									
1,1,1-Trichloroethane	680	ug/kg	0.33 UJ	0.32 UJ	0.31 U	0.31 UJ	0.3 U	0.31 U	0.29 U
1,1,2,2-Tetrachloroethane	--	ug/kg	0.64 UJ	0.62 UJ	0.6 U	0.6 UJ	0.59 U	0.61 U	0.57 U
1,1,2-Trichloroethane	--	ug/kg	0.61 UJ	0.6 UJ	0.57 U	0.57 UJ	0.56 U	0.58 U	0.54 U
1,1,2-Trichlorotrifluoroethane	--	ug/kg	0.55 UJ	0.54 UJ	0.52 U	0.52 UJ	0.51 U	0.53 U	0.49 U
1,1-Dichloroethane	270	ug/kg	0.43 UJ	0.42 UJ	0.4 U	0.4 UJ	0.39 U	0.41 U	0.38 U
1,1-Dichloroethene	330	ug/kg	0.26 UJ	0.25 UJ	0.24 U	0.24 UJ	0.24 U	0.25 U	0.23 U
1,2,4-Trichlorobenzene	--	ug/kg	0.3 UJ	0.29 UJ	0.28 U	0.28 UJ	0.28 U	0.29 U	0.27 U
1,2-Dibromo-3-Chloropropane	--	ug/kg	0.82 UJ	0.8 UJ	0.77 U	0.77 UJ	0.75 U	0.78 U	0.73 U
1,2-Dibromoethane	--	ug/kg	0.5 UJ	0.49 UJ	0.47 U	0.47 UJ	0.46 U	0.48 U	0.45 U
1,2-Dichlorobenzene	1,100	ug/kg	0.49 UJ	0.48 UJ	0.46 U	0.46 UJ	0.45 U	0.47 U	0.44 U
1,2-Dichloroethane	20	ug/kg	3.7 UJ	3.6 UJ	3.5 U	3.5 UJ	3.4 U	3.5 U	3.3 U
1,2-Dichloropropane	--	ug/kg	0.4 UJ	0.39 UJ	0.38 U	0.38 UJ	0.37 U	0.39 U	0.36 U
1,3-Dichlorobenzene	2,400	ug/kg	0.25 UJ	0.25 UJ	0.24 U	0.24 UJ	0.23 U	0.24 U	0.23 U
1,4-Dichlorobenzene	1,800	ug/kg	0.42 UJ	0.41 UJ	0.4 U	0.4 UJ	0.39 U	0.4 U	0.38 U
2-Butanone	120	ug/kg	2.7 UJ	2.7 UJ	2.6 U	2.6 UJ	2.5 U	2.6 U	2.4 U
2-Hexanone	--	ug/kg	3.9 UJ	3.8 UJ	3.6 U	3.6 UJ	3.6 U	3.7 U	3.4 U
4-Methyl-2-Pentanone	--	ug/kg	2.9 UJ	2.8 UJ	2.7 U	2.7 UJ	2.7 U	2.8 U	2.6 U
Acetone	50	ug/kg	9 UJ	8.8 UJ	8.5 U	8.5 UJ	8.3 U	8.6 U	8 U
Benzene	60	ug/kg	0.24 UJ	0.24 UJ	0.23 U	0.23 UJ	0.22 U	0.23 U	0.22 U
Bromodichloromethane	--	ug/kg	0.4 UJ	0.39 UJ	0.38 U	0.38 UJ	0.37 U	0.38 U	0.36 U
Bromoform	--	ug/kg	0.36 UJ	0.35 UJ	0.34 U	0.34 UJ	0.33 U	0.34 U	0.32 U
Bromomethane	--	ug/kg	0.85 UJ	0.83 UJ	0.8 U	0.8 UJ	0.79 U	0.81 U	0.76 U
Carbon Disulfide	--	ug/kg	0.12 UJ	0.12 UJ	0.11 U	0.11 UJ	0.11 U	0.12 U	0.11 U
Carbon Tetrachloride	760	ug/kg	0.36 UJ	0.35 UJ	0.34 U	0.34 UJ	0.33 U	0.34 U	0.32 U
Chlorobenzene	1,100	ug/kg	0.42 UJ	0.41 UJ	0.4 U	0.4 UJ	0.39 U	0.4 U	0.38 U
Chloroethane	--	ug/kg	0.63 UJ	0.62 UJ	0.6 U	0.6 UJ	0.58 U	0.6 U	0.56 U
Chloroform	370	ug/kg	0.29 UJ	0.28 UJ	0.27 U	0.27 UJ	0.26 U	0.27 U	0.25 U
Chloromethane	--	ug/kg	0.4 UJ	0.39 UJ	0.38 U	0.38 UJ	0.37 U	0.38 U	0.36 U
cis-1,2-Dichloroethene	250	ug/kg	0.42 UJ	0.41 UJ	0.4 U	0.4 UJ	0.39 U	0.4 U	0.38 U
cis-1,3-Dichloropropene	--	ug/kg	0.23 UJ	0.23 UJ	0.22 U	0.22 UJ	0.22 U	0.22 U	0.21 U
Cyclohexane	--	ug/kg	0.37 UJ	0.36 UJ	0.35 U	0.35 UJ	0.34 U	0.35 U	0.33 U
Dibromochloromethane	--	ug/kg	0.35 UJ	0.34 UJ	0.33 U	0.33 UJ	0.32 U	0.33 U	0.31 U
Dichlorodifluoromethane	--	ug/kg	1.5 UJ	1.5 UJ	1.4 U	1.4 UJ	1.4 U	1.4 U	1.3 U

See Notes on Page 8.

Table 10. Summary of VOCs Detected in Surface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SS-1 0 - 0.2 06/11/04	SS-2 0 - 0.2 06/11/04	SS-3 0 - 0.2 06/11/04	SS-4 0 - 0.2 06/11/04	SS-5 0 - 0.2 06/09/04	SS-6 0 - 0.2 06/09/04	SS-7 0 - 0.2 06/09/04
Volatile Organic Compounds									
Ethyl Benzene	1,000	ug/kg	0.3 UJ	0.29 UJ	0.28 U	0.28 UJ	0.28 U	0.29 U	0.27 U
Isopropylbenzene	- -	ug/kg	0.45 UJ	0.44 UJ	0.42 U	0.42 UJ	0.41 U	0.43 U	0.4 U
m/p-Xylenes	- -	ug/kg	0.62 UJ	0.6 UJ	0.58 U	0.58 UJ	0.57 U	0.59 U	0.55 U
Methyl Acetate	- -	ug/kg	1.5 UJ	1.5 UJ	1.4 U	1.4 UJ	1.4 U	1.5 U	1.4 U
Methyl Tertiary-Butyl Ether	930	ug/kg	0.28 UJ	0.27 UJ	0.26 U	0.26 UJ	0.25 U	0.26 U	0.25 U
Methylcyclohexane	- -	ug/kg	0.43 UJ	0.42 UJ	0.4 U	0.4 UJ	0.39 U	0.41 U	0.38 U
Methylene Chloride	50	ug/kg	0.82 UJ	0.8 UJ	0.77 U	0.77 UJ	0.76 U	0.78 U	0.73 U
o-Xylene	- -	ug/kg	0.52 UJ	0.51 UJ	0.49 U	0.49 UJ	0.48 U	0.5 U	0.46 U
Styrene	- -	ug/kg	0.38 UJ	0.37 UJ	0.36 U	0.36 UJ	0.35 U	0.36 U	0.34 U
t-1,3-Dichloropropene	- -	ug/kg	0.31 UJ	0.3 UJ	0.29 U	0.29 UJ	0.28 U	0.29 U	0.28 U
Tetrachloroethene	1,300	ug/kg	0.77 UJ	0.75 UJ	0.72 U	0.72 UJ	0.71 U	0.73 U	0.68 U
Toluene	700	ug/kg	0.31 UJ	2.4 J	0.29 U	0.29 UJ	0.29 U	0.3 U	0.28 U
trans-1,2-Dichloroethene	190	ug/kg	0.45 UJ	0.44 UJ	0.42 U	0.42 UJ	0.41 U	0.43 U	0.4 U
Trichloroethene	470	ug/kg	0.39 UJ	0.38 UJ	0.36 U	0.36 UJ	0.36 U	0.37 U	0.34 U
Trichlorofluoromethane	- -	ug/kg	3 UJ	2.9 UJ	2.8 U	2.8 UJ	2.7 U	2.8 U	2.6 U
Vinyl Chloride	20	ug/kg	0.28 UJ	0.28 UJ	0.27 U	0.27 UJ	0.26 U	0.27 U	0.25 U
Total VOCs	- -	ug/kg	ND	2.4 J	ND	ND	ND	ND	ND

See Notes on Page 8.

Table 10. Summary of VOCs Detected in Surface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SS-8 0 - 0.2 06/09/04	SS-9 0 - 0.2 06/09/04	SS-10 0 - 0.2 06/09/04	SS-11 0 - 0.2 06/09/04	SS-12 0 - 0.2 06/09/04	SS-13 0 - 0.2 06/09/04	SS-14 0 - 0.2 06/09/04
Volatile Organic Compounds									
1,1,1-Trichloroethane	680	ug/kg	0.3 U	0.32 U	0.32 U [0.3 U]	0.3 U	0.31 UJ	0.31 U	0.32 U
1,1,2,2-Tetrachloroethane	--	ug/kg	0.58 U	0.63 U	0.62 U [0.59 U]	0.59 U	0.61 UJ	0.6 U	0.63 U
1,1,2-Trichloroethane	--	ug/kg	0.56 U	0.6 U	0.59 U [0.57 U]	0.57 U	0.58 UJ	0.57 U	0.6 U
1,1,2-Trichlorotrifluoroethane	--	ug/kg	0.5 U	0.55 U	0.53 U [0.52 U]	0.52 U	0.53 UJ	0.52 U	0.55 U
1,1-Dichloroethane	270	ug/kg	0.39 U	0.42 U	0.41 U [0.4 U]	0.4 U	0.41 UJ	0.4 U	0.42 U
1,1-Dichloroethene	330	ug/kg	0.24 U	0.26 U	0.25 U [0.24 U]	0.24 U	0.25 UJ	0.24 U	0.26 U
1,2,4-Trichlorobenzene	--	ug/kg	0.27 U	0.3 U	0.29 U [0.28 U]	0.28 U	0.29 UJ	0.28 U	0.3 U
1,2-Dibromo-3-Chloropropane	--	ug/kg	0.74 U	0.81 U	0.79 U [0.76 U]	0.76 U	0.78 UJ	0.77 U	0.81 U
1,2-Dibromoethane	--	ug/kg	0.46 U	0.5 U	0.48 U [0.47 U]	0.47 U	0.48 UJ	0.47 U	0.5 U
1,2-Dichlorobenzene	1,100	ug/kg	0.45 U	0.49 U	0.48 U [0.46 U]	0.46 U	0.47 UJ	0.46 U	0.49 U
1,2-Dichloroethane	20	ug/kg	3.4 U	3.7 U	3.6 U [3.5 U]	3.5 U	3.5 UJ	3.5 U	3.7 U
1,2-Dichloropropane	--	ug/kg	0.37 U	0.4 U	0.39 U [0.38 U]	0.38 U	0.39 UJ	0.38 U	0.4 U
1,3-Dichlorobenzene	2,400	ug/kg	0.23 U	0.25 U	0.25 U [0.24 U]	0.24 U	0.24 UJ	0.24 U	0.25 U
1,4-Dichlorobenzene	1,800	ug/kg	0.39 U	0.42 U	0.41 U [0.39 U]	0.39 U	0.4 UJ	0.4 U	0.42 U
2-Butanone	120	ug/kg	2.5 U	2.7 U	2.6 U [2.6 U]	2.6 U	2.6 UJ	2.6 U	2.7 U
2-Hexanone	--	ug/kg	3.5 U	3.8 U	3.7 U [3.6 U]	3.6 U	3.7 UJ	3.6 U	3.8 U
4-Methyl-2-Pentanone	--	ug/kg	2.6 U	2.9 U	2.8 U [2.7 U]	2.7 U	2.8 UJ	2.7 U	2.9 U
Acetone	50	ug/kg	8.2 U	8.9 U	8.7 U [8.4 U]	8.4 U	8.6 UJ	8.5 U	8.9 U
Benzene	60	ug/kg	0.22 U	0.24 U	0.23 U [0.23 U]	0.23 U	0.23 UJ	0.23 U	0.24 U
Bromodichloromethane	--	ug/kg	0.37 U	0.4 U	0.39 U [0.37 U]	0.37 U	0.38 UJ	0.38 U	0.4 U
Bromoform	--	ug/kg	0.33 U	0.36 U	0.35 U [0.34 U]	0.34 U	0.34 UJ	0.34 U	0.36 U
Bromomethane	--	ug/kg	0.78 U	0.84 U	0.82 U [0.8 U]	0.8 U	0.81 UJ	0.8 U	0.84 U
Carbon Disulfide	--	ug/kg	0.11 U	0.12 U	0.12 U [0.11 U]	0.11 U	0.12 UJ	0.11 U	0.12 U
Carbon Tetrachloride	760	ug/kg	0.33 U	0.35 U	0.35 U [0.33 U]	0.33 U	0.34 UJ	0.34 U	0.35 U
Chlorobenzene	1,100	ug/kg	0.39 U	0.42 U	0.41 U [0.4 U]	0.4 U	0.4 UJ	0.4 U	0.42 U
Chloroethane	--	ug/kg	0.58 U	0.62 U	0.61 U [0.59 U]	0.59 U	0.6 UJ	0.6 U	0.62 U
Chloroform	370	ug/kg	0.26 U	0.28 U	0.28 U [0.27 U]	0.27 U	0.27 UJ	0.27 U	0.28 U
Chloromethane	--	ug/kg	0.36 U	0.39 U	0.38 U [0.37 U]	0.37 U	0.38 UJ	0.38 U	0.39 U
cis-1,2-Dichloroethene	250	ug/kg	0.39 U	0.42 U	0.41 U [0.4 U]	0.4 U	0.4 UJ	0.4 U	0.42 U
cis-1,3-Dichloropropene	--	ug/kg	0.21 U	0.23 U	0.23 U [0.22 U]	0.22 U	0.22 UJ	0.22 U	0.23 U
Cyclohexane	--	ug/kg	0.34 U	0.36 U	0.35 U [0.34 U]	0.34 U	0.35 UJ	0.35 U	2.2 J
Dibromochloromethane	--	ug/kg	0.32 U	0.35 U	0.34 U [0.33 U]	0.33 U	0.33 UJ	0.33 U	0.35 U
Dichlorodifluoromethane	--	ug/kg	1.4 U	1.5 U	1.4 U [1.4 U]	1.4 U	1.4 UJ	1.4 U	1.5 U

See Notes on Page 8.

Table 10. Summary of VOCs Detected in Surface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SS-8 0 - 0.2 06/09/04	SS-9 0 - 0.2 06/09/04	SS-10 0 - 0.2 06/09/04	SS-11 0 - 0.2 06/09/04	SS-12 0 - 0.2 06/09/04	SS-13 0 - 0.2 06/09/04	SS-14 0 - 0.2 06/09/04
Volatile Organic Compounds									
Ethyl Benzene	1,000	ug/kg	0.27 U	0.3 U	0.29 U [0.28 U]	0.28 U	0.29 UJ	0.28 U	0.3 U
Isopropylbenzene	--	ug/kg	0.41 U	0.44 U	0.43 U [0.42 U]	0.42 U	0.43 UJ	0.42 U	0.44 U
m/p-Xylenes	--	ug/kg	0.56 U	0.61 U	0.6 U [0.58 U]	0.58 U	0.59 UJ	0.58 U	0.61 U
Methyl Acetate	--	ug/kg	1.4 U	1.5 U	1.5 U [1.4 U]	1.4 U	1.5 UJ	1.4 U	1.5 U
Methyl Tertiary-Butyl Ether	930	ug/kg	0.25 U	0.27 U	0.27 U [0.26 U]	0.26 U	0.26 UJ	0.26 U	0.27 U
Methylcyclohexane	--	ug/kg	0.39 U	0.42 U	0.41 U [0.4 U]	0.4 U	0.41 UJ	0.4 U	0.42 U
Methylene Chloride	50	ug/kg	0.75 U	0.81 U	0.79 U [0.76 U]	0.76 U	0.78 UJ	0.77 U	0.81 U
o-Xylene	--	ug/kg	0.47 U	0.51 U	0.5 U [0.49 U]	0.49 U	0.5 UJ	0.49 U	0.51 U
Styrene	--	ug/kg	0.34 U	0.37 U	0.36 U [0.35 U]	0.35 U	0.36 UJ	0.36 U	0.37 U
t-1,3-Dichloropropene	--	ug/kg	0.28 U	0.3 U	0.3 U [0.29 U]	0.29 U	0.29 UJ	0.29 U	0.3 U
Tetrachloroethene	1,300	ug/kg	0.7 U	0.76 U	0.74 U [0.71 U]	0.71 U	0.73 UJ	0.72 U	0.76 U
Toluene	700	ug/kg	0.28 U	0.31 U	0.3 U [0.29 U]	0.29 U	0.3 UJ	0.29 U	0.31 U
trans-1,2-Dichloroethene	190	ug/kg	0.41 U	0.44 U	0.43 U [0.42 U]	0.42 U	0.43 UJ	0.42 U	0.44 U
Trichloroethene	470	ug/kg	0.35 U	0.38 U	0.37 U [0.36 U]	0.36 U	0.37 UJ	0.36 U	0.38 U
Trichlorofluoromethane	--	ug/kg	2.7 U	2.9 U	2.9 U [2.8 U]	2.8 U	2.8 UJ	2.8 U	2.9 U
Vinyl Chloride	20	ug/kg	0.26 U	0.28 U	0.27 U [0.26 U]	0.26 U	0.27 UJ	0.27 U	0.28 U
Total VOCs	--	ug/kg	ND	ND	ND [ND]	ND	ND	ND	2.2 J

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Table 10. Summary of VOCs Detected in Surface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SS-15 0 - 0.2 06/09/04	SS-16 0 - 0.2 06/09/04	SS-17 0 - 0.2 06/09/04	SS-18 0 - 0.2 06/09/04	SS-19 0 - 0.2 06/09/04	SS-20 0 - 0.2 06/09/04	SS-22 0 - 0.2 08/18/04	SS-23 0 - 0.2 08/18/04
Volatile Organic Compounds										
1,1,1-Trichloroethane	680	ug/kg	0.31 U	0.3 U	0.3 U	0.3 U	0.29 U	0.3 U	0.32 U	0.32 U
1,1,2,2-Tetrachloroethane	--	ug/kg	0.61 U	0.59 U	0.59 U	0.58 U	0.56 U	0.59 U	0.62 U	0.62 U
1,1,2-Trichloroethane	--	ug/kg	0.58 U	0.56 U	0.56 U	0.56 U	0.54 U	0.57 U	0.6 U	0.59 U
1,1,2-Trichlorotrifluoroethane	--	ug/kg	0.53 U	0.51 U	0.51 U	0.5 U	0.49 U	0.52 U	0.54 U	0.53 U
1,1-Dichloroethane	270	ug/kg	0.41 U	0.39 U	0.39 U	0.39 U	0.38 U	0.4 U	0.42 U	0.41 U
1,1-Dichloroethene	330	ug/kg	0.25 U	0.24 U	0.24 U	0.24 U	0.23 U	0.24 U	0.25 U	0.25 U
1,2,4-Trichlorobenzene	--	ug/kg	0.29 U	0.28 U	0.28 U	0.27 U	0.27 U	0.28 U	0.29 U	0.29 U
1,2-Dibromo-3-Chloropropane	--	ug/kg	0.78 U	0.75 U	0.75 U	0.74 U	0.72 U	0.76 U	0.8 U	0.79 U
1,2-Dibromoethane	--	ug/kg	0.48 U	0.46 U	0.46 U	0.46 U	0.44 U	0.47 U	0.49 U	0.48 U
1,2-Dichlorobenzene	1,100	ug/kg	0.47 U	0.45 U	0.45 U	0.45 U	0.44 U	0.46 U	0.48 U	0.48 U
1,2-Dichloroethane	20	ug/kg	3.5 U	3.4 U	3.4 U	3.4 U	3.3 U	3.5 U	3.6 U	3.6 U
1,2-Dichloropropane	--	ug/kg	0.39 U	0.37 U	0.37 U	0.37 U	0.36 U	0.38 U	0.39 U	0.39 U
1,3-Dichlorobenzene	2,400	ug/kg	0.24 U	0.23 U	0.23 U	0.23 U	0.22 U	0.24 U	0.25 U	0.25 U
1,4-Dichlorobenzene	1,800	ug/kg	0.4 U	0.39 U	0.39 U	0.39 U	0.37 U	0.39 U	0.41 U	0.41 U
2-Butanone	120	ug/kg	2.6 U	2.5 U	2.5 U	2.5 U	2.4 U	2.6 U	2.7 U	R
2-Hexanone	--	ug/kg	3.7 U	3.6 U	3.6 U	3.5 U	3.4 U	3.6 U	3.8 U	3.7 U
4-Methyl-2-Pentanone	--	ug/kg	2.8 U	2.7 U	2.7 U	2.6 U	2.6 U	2.7 U	2.8 U	2.8 U
Acetone	50	ug/kg	8.6 U	8.3 U	8.3 U	8.2 U	7.9 U	8.4 U	8.8 U	R
Benzene	60	ug/kg	0.23 U	0.22 U	0.22 U	0.22 U	0.21 U	0.23 U	0.24 UJ	0.23 UJ
Bromodichloromethane	--	ug/kg	0.38 U	0.37 U	0.37 U	0.37 U	0.35 U	0.37 U	0.39 U	0.39 U
Bromoform	--	ug/kg	0.34 U	0.33 U	0.33 U	0.33 U	0.32 U	0.34 U	0.35 U	0.35 U
Bromomethane	--	ug/kg	0.81 U	0.79 U	0.79 U	0.78 U	0.75 U	0.8 U	0.83 U	0.82 U
Carbon Disulfide	--	ug/kg	0.12 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.12 U	0.12 U
Carbon Tetrachloride	760	ug/kg	0.34 U	0.33 U	0.33 U	0.33 U	0.32 U	0.33 U	0.35 U	0.35 U
Chlorobenzene	1,100	ug/kg	0.4 U	0.39 U	0.39 U	0.39 U	0.37 U	0.4 U	0.41 U	0.41 U
Chloroethane	--	ug/kg	0.6 U	0.58 U	0.58 U	0.58 U	0.56 U	0.59 U	0.62 U	0.61 U
Chloroform	370	ug/kg	0.27 U	0.26 U	0.26 U	0.26 U	0.25 U	0.27 U	0.28 U	0.28 U
Chloromethane	--	ug/kg	0.38 U	0.37 U	0.37 U	0.36 U	0.35 U	0.37 U	0.39 U	0.38 U
cis-1,2-Dichloroethene	250	ug/kg	0.4 U	0.39 U	0.39 U	0.39 U	0.37 U	0.4 U	0.41 U	0.41 U
cis-1,3-Dichloropropene	--	ug/kg	0.22 U	0.22 U	0.22 U	0.21 U	0.21 U	0.22 U	0.23 U	0.23 U
Cyclohexane	--	ug/kg	0.35 U	0.34 U	0.34 U	0.34 U	0.32 U	0.34 U	0.36 U	0.35 U
Dibromochloromethane	--	ug/kg	0.33 U	0.32 U	0.32 U	0.32 U	0.31 U	0.33 U	0.34 U	0.34 U
Dichlorodifluoromethane	--	ug/kg	1.4 U	1.4 U	1.4 U	1.4 U	1.3 U	1.4 U	1.5 U	1.4 U

See Notes on Page 8.

Table 10. Summary of VOCs Detected in Surface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SS-15 0 - 0.2 06/09/04	SS-16 0 - 0.2 06/09/04	SS-17 0 - 0.2 06/09/04	SS-18 0 - 0.2 06/09/04	SS-19 0 - 0.2 06/09/04	SS-20 0 - 0.2 06/09/04	SS-22 0 - 0.2 08/18/04	SS-23 0 - 0.2 08/18/04
Volatile Organic Compounds										
Ethyl Benzene	1,000	ug/kg	0.29 U	0.28 U	0.28 U	0.27 U	0.26 U	0.28 U	0.29 U	0.29 U
Isopropylbenzene	--	ug/kg	0.43 U	0.41 U	0.41 U	0.41 U	0.39 U	0.42 U	0.44 U	0.43 U
m/p-Xylenes	--	ug/kg	0.59 U	0.57 U	0.57 U	0.56 U	0.55 U	0.58 U	0.6 U	0.6 U
Methyl Acetate	--	ug/kg	1.5 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U	1.5 U
Methyl Tertiary-Butyl Ether	930	ug/kg	0.26 U	0.25 U	0.25 U	0.25 U	0.24 U	0.26 U	0.27 U	0.27 U
Methylcyclohexane	--	ug/kg	0.41 U	0.39 U	0.39 U	0.39 U	0.38 U	0.4 U	0.42 U	0.41 U
Methylene Chloride	50	ug/kg	0.78 U	0.76 U	0.76 U	0.75 U	0.72 U	0.76 U	0.8 U	0.79 U
o-Xylene	--	ug/kg	0.5 U	0.48 U	0.48 U	0.47 U	0.46 U	0.49 U	0.51 U	0.5 U
Styrene	--	ug/kg	0.36 U	0.35 U	0.35 U	0.34 U	0.33 U	0.35 U	0.37 U	0.36 U
t-1,3-Dichloropropene	--	ug/kg	0.29 U	0.28 U	0.28 U	0.28 U	0.27 U	0.29 U	0.3 U	0.3 U
Tetrachloroethene	1,300	ug/kg	0.73 U	0.71 U	0.71 U	0.7 U	0.68 U	0.71 U	0.75 U	0.74 U
Toluene	700	ug/kg	0.3 U	0.29 U	0.29 U	0.28 U	0.28 U	0.29 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	190	ug/kg	0.43 U	0.41 U	0.41 U	0.41 U	0.39 U	0.42 U	0.44 U	0.43 U
Trichloroethene	470	ug/kg	0.37 U	0.36 U	0.36 U	0.35 U	0.34 U	0.36 U	0.38 U	0.37 U
Trichlorofluoromethane	--	ug/kg	2.8 U	2.7 U	2.7 U	2.7 U	2.6 U	2.8 U	2.9 U	2.9 U
Vinyl Chloride	20	ug/kg	0.27 U	0.26 U	0.26 U	0.26 U	0.25 U	0.26 U	0.28 U	0.27 U
Total VOCs	--	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND

See Notes on Page 8.

Table 10. Summary of VOCs Detected in Surface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SS-24 0 - 0.2 08/18/04	SS-25 0 - 0.2 08/18/04	SS-26 0 - 0.2 08/18/04
Volatile Organic Compounds					
1,1,1-Trichloroethane	680	ug/kg	0.34 U	0.34 U	0.32 U
1,1,2,2-Tetrachloroethane	--	ug/kg	0.66 U	0.66 U	0.63 U
1,1,2-Trichloroethane	--	ug/kg	0.63 U	0.63 U	0.6 U
1,1,2-Trichlorotrifluoroethane	--	ug/kg	0.57 U	0.57 U	0.55 U
1,1-Dichloroethane	270	ug/kg	0.44 U	0.44 U	0.42 U
1,1-Dichloroethene	330	ug/kg	0.27 U	0.27 U	0.26 U
1,2,4-Trichlorobenzene	--	ug/kg	0.31 U	0.31 U	0.3 U
1,2-Dibromo-3-Chloropropane	--	ug/kg	0.85 U	0.85 U	0.81 U
1,2-Dibromoethane	--	ug/kg	0.52 U	0.52 U	0.5 U
1,2-Dichlorobenzene	1,100	ug/kg	0.51 U	0.51 U	0.49 U
1,2-Dichloroethane	20	ug/kg	3.8 U	3.8 U	3.7 U
1,2-Dichloropropane	--	ug/kg	0.42 U	0.42 U	0.4 U
1,3-Dichlorobenzene	2,400	ug/kg	0.26 U	0.26 U	0.25 U
1,4-Dichlorobenzene	1,800	ug/kg	0.44 U	0.44 U	0.42 U
2-Butanone	120	ug/kg	R	R	2.7 U
2-Hexanone	--	ug/kg	4 U	4 U	3.8 U
4-Methyl-2-Pentanone	--	ug/kg	3 U	3 U	2.9 U
Acetone	50	ug/kg	R	R	8.9 U
Benzene	60	ug/kg	0.25 UJ	0.25 UJ	0.24 UJ
Bromodichloromethane	--	ug/kg	0.42 U	0.42 U	0.4 U
Bromoform	--	ug/kg	0.37 U	0.37 U	0.36 U
Bromomethane	--	ug/kg	0.88 U	0.88 U	0.84 U
Carbon Disulfide	--	ug/kg	0.13 U	0.13 U	0.12 U
Carbon Tetrachloride	760	ug/kg	0.37 U	0.37 U	0.35 U
Chlorobenzene	1,100	ug/kg	0.44 U	0.44 U	0.42 U
Chloroethane	--	ug/kg	0.66 U	0.66 U	0.62 U
Chloroform	370	ug/kg	0.3 U	0.3 U	0.28 U
Chloromethane	--	ug/kg	0.41 U	0.41 U	0.39 U
cis-1,2-Dichloroethene	250	ug/kg	0.44 U	0.44 U	0.42 U
cis-1,3-Dichloropropene	--	ug/kg	0.24 U	0.24 U	0.23 U
Cyclohexane	--	ug/kg	0.38 U	0.38 U	0.36 U
Dibromochloromethane	--	ug/kg	0.36 U	0.36 U	0.35 U
Dichlorodifluoromethane	--	ug/kg	1.5 U	1.5 U	1.5 U

See Notes on Page 8.

Table 10. Summary of VOCs Detected in Surface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SS-24 0 - 0.2 08/18/04	SS-25 0 - 0.2 08/18/04	SS-26 0 - 0.2 08/18/04
Volatile Organic Compounds					
Ethyl Benzene	1,000	ug/kg	0.31 U	0.31 U	0.3 U
Isopropylbenzene	--	ug/kg	0.46 U	0.46 U	0.44 U
m/p-Xylenes	--	ug/kg	0.64 U	0.64 U	0.61 U
Methyl Acetate	--	ug/kg	1.6 U	1.6 U	1.5 U
Methyl Tertiary-Butyl Ether	930	ug/kg	0.29 U	0.29 U	0.27 U
Methylcyclohexane	--	ug/kg	0.44 U	0.44 U	0.42 U
Methylene Chloride	50	ug/kg	0.85 U	0.85 U	0.81 U
o-Xylene	--	ug/kg	0.54 U	0.54 U	0.51 U
Styrene	--	ug/kg	0.39 U	0.39 U	0.37 U
t-1,3-Dichloropropene	--	ug/kg	0.32 U	0.32 U	0.3 U
Tetrachloroethene	1,300	ug/kg	0.79 U	0.79 U	0.76 U
Toluene	700	ug/kg	0.32 U	0.32 U	0.31 U
trans-1,2-Dichloroethene	190	ug/kg	0.46 U	0.46 U	0.44 U
Trichloroethene	470	ug/kg	0.4 U	0.4 U	0.38 U
Trichlorofluoromethane	--	ug/kg	3.1 U	3.1 U	2.9 U
Vinyl Chloride	20	ug/kg	0.29 U	0.29 U	0.28 U
Total VOCs	--	ug/kg	ND	ND	ND

See Notes on Page 8.

Table 11. Summary of SVOCs Detected in Surface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SS-1 0 - 0.2 06/11/04	SS-1A 0 - 0.2 12/09/04	SS-2 0 - 0.2 06/11/04	SS-2A 0 - 0.2 12/09/04	SS-3 0 - 0.2 06/11/04	SS-3A 0 - 0.2 12/09/04	SS-4 0 - 0.2 06/11/04	SS-4A 0 - 0.2 12/09/04	SS-5 0 - 0.2 06/09/04	SS-5A 0 - 0.2 12/09/04	SS-6 0 - 0.2 06/09/04	SS-6A 0 - 0.2 12/09/04	SS-7 0 - 0.2 06/09/04
Semi-Volatile Organic Compounds															
1,1-Biphenyl	--	ug/kg	23 U	24 U	46 U	110 U	220 U	12 U	220 U	23 U	11 U	24 U	45 U	120 U	11 U
2,2-oxybis(1-Chloropropane)	--	ug/kg	42 U	44 U	83 U	210 U	400 U	21 U	400 U	43 U	20 U	44 U	81 U	210 U	19 U
2,4,5-Trichlorophenol	--	ug/kg	52 U	54 U	100 U	260 U	490 U	26 U	490 U	52 U	24 U	53 U	100 U	260 U	23 U
2,4,6-Trichlorophenol	--	ug/kg	28 U	29 U	56 U	140 U	270 U	14 U	270 U	29 U	13 U	29 U	55 U	140 U	13 U
2,4-Dichlorophenol	--	ug/kg	27 U	28 U	54 U	140 U	260 U	14 U	260 U	28 U	13 U	28 U	53 U	140 U	12 U
2,4-Dimethylphenol	--	ug/kg	42 U	44 U	83 U	210 U	400 U	21 U	400 U	43 U	20 U	44 U	81 U	210 U	19 U
2,4-Dinitrophenol	--	ug/kg	R	36 U	R	170 U	R	17 U	R	35 U	16 U	35 U	66 U	170 U	16 U
2,4-Dinitrotoluene	--	ug/kg	16 U	16 U	31 U	77 U	150 U	7.8 U	150 U	16 U	7.2 U	16 U	30 U	78 U	7.1 U
2,6-Dinitrotoluene	--	ug/kg	33 U	34 U	66 U	160 U	320 U	17 U	320 U	34 U	15 U	34 U	64 U	170 U	15 U
2-Chloronaphthalene	--	ug/kg	16 U	17 U	32 U	81 U	150 U	8.2 U	150 U	17 U	7.6 U	17 U	31 U	81 U	7.4 U
2-Chlorophenol	--	ug/kg	34 U	35 U	67 U	170 U	320 U	17 U	320 U	34 U	16 U	35 U	65 U	170 U	15 U
2-Methylnaphthalene	--	ug/kg	140 J	150 J	170 J	67 U	900 J	6.8 U	2,300 J	14 U	150 J	14 U	26 U	67 U	51 J
2-Methylphenol	330	ug/kg	49 U	51 U	97 U	240 U	470 U	25 U	470 U	50 U	23 U	51 U	95 U	250 U	22 U
2-Nitroaniline	--	ug/kg	28 U	29 U	56 U	140 U	270 U	14 U	270 U	29 U	13 U	29 U	55 U	140 U	13 U
2-Nitrophenol	--	ug/kg	31 U	33 U	62 U	160 U	300 U	16 U	300 U	32 U	15 U	32 U	60 U	160 U	14 U
3,3-Dichlorobenzidine	--	ug/kg	130 U	130 U	250 U	620 U	1,200 U	63 U	1,200 U	130 U	58 U	130 U	240 U	630 U	57 U
3+4-Methylphenols	--	ug/kg	36 U	37 U	71 U	180 U	340 U	18 U	340 U	36 U	17 U	37 U	69 U	180 U	16 U
3-Nitroaniline	--	ug/kg	130 U	130 U	250 U	620 U	1,200 U	63 U	1,200 U	130 U	59 U	130 U	240 U	630 U	57 U
4,6-Dinitro-2-methylphenol	--	ug/kg	R	47 U	R	220 U	R	23 U	R	46 U	21 UJ	47 U	87 UJ	230 U	21 UJ
4-Bromophenyl-phenylether	--	ug/kg	21 U	21 U	41 U	100 U	200 U	10 U	200 U	21 U	9.5 U	21 U	40 U	100 U	9.3 U
4-Chloro-3-methylphenol	--	ug/kg	23 U	24 U	46 U	110 U	220 U	12 U	220 U	23 U	11 U	24 U	45 U	120 U	11 U
4-Chloroaniline	--	ug/kg	290 U	300 U	570 U	1,400 U	2,700 U	150 U	2,700 U	290 U	130 U	300 U	560 U	1,400 U	130 U
4-Chlorophenyl-phenylether	--	ug/kg	19 U	20 U	38 U	96 U	180 U	9.7 U	180 U	20 U	9 U	20 U	37 U	97 U	8.8 U
4-Nitroaniline	--	ug/kg	61 U	63 U	120 U	300 U	580 U	31 U	580 U	62 U	28 U	63 U	120 U	310 U	28 U
4-Nitrophenol	--	ug/kg	76 U	79 U	150 U	380 U	720 U	38 U	730 U	77 U	35 U	79 U	150 U	380 U	35 U
Acenaphthene	20,000	ug/kg	300 J	800 J	34 U	85 U	2,000 J	83 J	160 U	170 J	150 J	220 J	170 J	86 U	250 J
Acenaphthylene	100,000	ug/kg	95 J	88 J	46 U	120 U	220 U	57 J	7,600	24 U	93 J	85 J	45 UJ	120 U	11 UJ
Acetophenone	--	ug/kg	41 U	42 U	81 U	200 U	390 U	21 U	390 U	41 U	19 U	42 U	79 U	200 U	19 U
Anthracene	100,000	ug/kg	880	3,700	220 J	1,300 J	19,000	360 J	3,300 J	710 J	520	1,000	630 J	1,600 J	530
Atrazine	--	ug/kg	24 U	25 U	47 U	120 U	230 U	12 U	230 U	24 U	11 U	25 U	46 U	120 U	11 U
Benzaldehyde	--	ug/kg	77 U	79 U	150 U	380 U	730 U	39 U	730 U	78 U	36 U	79 U	150 U	380 U	35 U
Benzo(a)anthracene	1,000	ug/kg	2,800	7,100 D	1,100 J	4,700	44,000	1,200	13,000	2,200	1,800	3,400	2,700	5,500	1,500
Benzo(a)pyrene	1,000	ug/kg	2,100	5,200 D	930 J	3,900	35,000	1,200	14,000	2,000	1,400	3,200	1,200 J	4,200	1,200
Benzo(b)fluoranthene	1,000	ug/kg	2,700	6,900 D	1,300 J	4,700	48,000	1,800	16,000	2,900	2,000	4,900	2,100	5,600	1,500
Benzo(g,h,i)perylene	100,000	ug/kg	680 J	1,900	350 J	2,300 J	9,000	370 J	5,500 J	610 J	440 J	910	1,000 J	2,300 J	320 J
Benzo(k)fluoranthene	800	ug/kg	1,200	3,400	540 J	1,900 J	22,000	690	6,700 J	1,000	850	1,800	1,100 J	1,700 J	780
bis(2-Chloroethoxy)methane	--	ug/kg	36 U	37 U	70 U	180 U	340 U	18 U	340 U	36 U	17 U	37 U	69 U	180 U	16 U
bis(2-Chloroethyl)ether	--	ug/kg	39 U	40 U	76 U	190 U	370 U	19 U	370 U	39 U	18 U	40 U	74 U	190 U	17 U
bis(2-Ethylhexyl)phthalate	--	ug/kg	510 J	140 J	570 J	89 U	170 U	160 J	1,200 J	160 J	250 J	160 J	680 J	90 U	820 J
Butylbenzylphthalate	--	ug/kg	26 U	27 U	52 U	130 U	250 U	13 U	250 U	27 U	12 U	27 U	50 U	130 U	12 U

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Table 11. Summary of SVOCs Detected in Surface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SS-1 0 - 0.2 06/11/04	SS-1A 0 - 0.2 12/09/04	SS-2 0 - 0.2 06/11/04	SS-2A 0 - 0.2 12/09/04	SS-3 0 - 0.2 06/11/04	SS-3A 0 - 0.2 12/09/04	SS-4 0 - 0.2 06/11/04	SS-4A 0 - 0.2 12/09/04	SS-5 0 - 0.2 06/09/04	SS-5A 0 - 0.2 12/09/04	SS-6 0 - 0.2 06/09/04	SS-6A 0 - 0.2 12/09/04	SS-7 0 - 0.2 06/09/04
Semi-Volatile Organic Compounds															
Caprolatam	--	ug/kg	29 U	30 U	57 U	140 U	270 U	15 U	270 U	29 U	13 U	30 U	55 U	140 U	13 U
Carbazole	--	ug/kg	550 J	2,300	34 U	85 U	7,300 J	200 J	1,100 J	400 J	250 J	530 J	320 J	86 U	250 J
Chrysene	1,000	ug/kg	2,600	6,200 D	1,100 J	4,500	42,000	1,200	13,000	2,200	1,700	3,400	2,300	4,900	1,300
Dibenz(a,h)anthracene	330	ug/kg	23 U	210 J	45 U	110 U	840 J	41 J	220 U	23 U	49 J	82 J	44 UJ	110 U	36 J
Dibenzofuran	7,000	ug/kg	140 J	290 J	51 U	130 U	900 J	13 U	240 U	26 U	120 J	26 U	50 U	130 U	97 J
Diethylphthalate	--	ug/kg	25 U	25 U	48 U	120 U	230 U	12 U	230 U	25 U	11 U	25 U	47 U	120 U	11 U
Dimethylphthalate	--	ug/kg	19 U	19 U	37 U	92 U	180 U	9.4 U	180 U	19 U	8.7 U	19 U	36 U	93 U	8.5 U
Di-n-butylphthalate	--	ug/kg	130 J	11 U	21 U	51 U	99 U	5.2 U	99 U	11 U	62 J	11 U	20 U	52 U	98 J
Di-n-octyl phthalate	--	ug/kg	19 U	19 U	37 U	92 U	180 U	9.4 U	180 U	19 U	8.7 U	19 U	36 U	93 U	8.5 U
Fluoranthene	100,000	ug/kg	4,900 D	16,000 D	1,900 J	11,000	110,000 D	2,700	23,000 J	5,100	2,900	6,200 D	5,800	13,000	2,700
Fluorene	30,000	ug/kg	330 J	730 J	44 U	110 U	2,900 J	81 J	1,000 J	140 J	170 J	210 J	180 J	110 U	210 J
Hexachlorobenzene	330	ug/kg	15 U	15 U	29 U	72 U	140 U	7.4 U	140 U	15 U	6.8 U	15 U	28 U	73 U	6.6 U
Hexachlorobutadiene	--	ug/kg	27 U	28 U	54 U	140 U	260 U	14 U	260 U	28 U	13 U	28 U	53 U	140 U	12 U
Hexachlorocyclopentadiene	--	ug/kg	R	20 U	R	97 U	R	9.9 U	R	20 U	9.1 UJ	20 U	38 UJ	98 U	8.9 UJ
Hexachloroethane	--	ug/kg	37 U	39 U	74 U	180 U	350 U	19 U	350 U	38 U	17 U	38 U	72 U	190 U	17 U
Indeno(1,2,3-cd)pyrene	500	ug/kg	550 J	1,400	190 J	1,800 J	6,400 J	150 J	3,000 J	370 J	260 J	390 J	970 J	1,900 J	210 J
Isophorone	--	ug/kg	29 U	30 U	57 U	140 U	280 U	15 U	280 U	29 U	13 U	30 U	56 U	140 U	13 U
Naphthalene	12,000	ug/kg	350 J	420 J	170 J	84 U	850 J	57 J	4,400 J	100 J	470	120 J	530 J	85 U	110 J
Nitrobenzene	--	ug/kg	40 U	41 U	78 U	200 U	380 U	20 U	380 U	40 U	18 U	41 U	76 U	200 U	18 U
N-Nitroso-di-n-propylamine	--	ug/kg	35 U	36 U	68 U	170 U	330 U	17 U	330 U	35 U	16 U	35 U	66 U	170 U	16 U
N-Nitrosodiphenylamine	--	ug/kg	20 U	21 U	39 U	98 U	190 U	10 U	190 U	20 U	9.2 U	20 U	38 U	99 U	9 U
Pentachlorophenol	800	ug/kg	24 U	25 U	48 U	120 U	230 U	12 U	230 U	25 U	11 U	25 U	47 U	120 U	11 U
Phenanthrene	100,000	ug/kg	4,800	10,000 D	730 J	5,100	46,000	1,400	9,300	2,800	2,700	3,800	3,200	6,200	2,200
Phenol	330	ug/kg	33 U	34 U	64 U	160 U	310 U	16 U	310 U	33 U	15 U	34 U	63 U	160 U	15 U
Pyrene	100,000	ug/kg	4,800	15,000 D	1,600	8,900	72,000 D	2,500	24,000	4,000	3,700 D	6,100	4,300	10,000	2,700
Total SVOCs	--	ug/kg	30,600 J	81,900 J	10,900 J	50,100 J	469,000 J	14,200 J	148,000 J	24,900 J	20,000 J	36,500 J	27,200 J	56,900 J	16,900 J
BAP Equivalents		ug/kg	2750	7050	1230	5140	46300	1570	17500	2590	1880	4200	1830	5620	1580

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Table 11. Summary of SVOCs Detected in Surface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SS-7A 0 - 0.2 12/09/04	SS-8 0 - 0.2 06/09/04	SS-8A 0 - 0.2 12/09/04	SS-9 0 - 0.2 06/09/04	SS-9A 0 - 0.2 12/09/04	SS-10 0 - 0.2 06/09/04	SS-10A 0 - 0.2 12/09/04	SS-11 0 - 0.2 06/09/04	SS-11A 0 - 0.2 12/09/04	SS-12 0 - 0.2 06/09/04	SS-12A 0 - 0.2 12/09/04	SS-13 0 - 0.2 06/09/04	SS-13A 0 - 0.2 12/09/04
Semi-Volatile Organic Compounds															
1,1-Biphenyl	--	ug/kg	24 U	54 U	120 U	23 U	23 U	57 U [11 U]	23 U	11 U	22 U	11 U	9.9 U	11 U	510 U
2,2-oxybis(1-Chloropropane)	--	ug/kg	44 U	98 U	210 U	42 U	43 U	100 U [20 U]	42 U	20 U	41 U	20 U	18 U	20 U	940 U
2,4,5-Trichlorophenol	--	ug/kg	54 U	120 U	260 U	52 U	52 U	130 U [24 U]	51 U	24 U	50 U	25 U	22 U	25 U	1,100 U
2,4,6-Trichlorophenol	--	ug/kg	30 U	66 U	140 U	28 U	29 U	70 U [13 U]	28 U	13 U	27 U	14 U	12 U	13 U	630 U
2,4-Dichlorophenol	--	ug/kg	29 U	63 U	140 U	27 U	28 U	67 U [13 U]	27 U	13 U	27 U	13 U	12 U	13 U	610 U
2,4-Dimethylphenol	--	ug/kg	44 U	98 U	210 U	42 U	43 U	100 U [20 U]	42 U	20 U	41 U	20 U	18 U	20 U	940 U
2,4-Dinitrophenol	--	ug/kg	36 U	80 U	170 U	34 U	35 U	85 U [16 U]	34 U	16 U	33 U	17 U	15 U	16 U	760 U
2,4-Dinitrotoluene	--	ug/kg	16 U	36 U	79 U	16 U	16 U	38 U [7.3 U]	15 U	7.3 U	15 U	7.5 U	6.6 U	7.4 U	350 U
2,6-Dinitrotoluene	--	ug/kg	35 U	77 U	170 U	33 U	34 U	82 U [16 U]	33 U	16 U	32 U	16 U	14 U	16 U	740 U
2-Chloronaphthalene	--	ug/kg	17 U	38 U	82 U	16 U	16 U	40 U [7.6 U]	16 U	7.7 U	16 U	7.8 U	6.9 U	7.7 U	360 U
2-Chlorophenol	--	ug/kg	35 U	78 U	170 U	34 U	34 U	83 U [16 U]	33 U	16 U	33 U	16 U	14 U	16 U	750 U
2-Methylnaphthalene	--	ug/kg	150 J	31 U	68 U	340 J	82 J	33 U [80 J]	120 J	88 J	78 J	120 J	5.7 U	6.4 U	300 U
2-Methylphenol	330	ug/kg	52 U	110 U	250 U	49 U	50 U	120 U [23 U]	49 U	23 U	48 U	24 U	21 U	23 U	1,100 U
2-Nitroaniline	--	ug/kg	30 U	66 U	140 U	28 U	29 U	70 U [13 U]	28 U	13 U	27 U	14 U	12 U	13 U	630 U
2-Nitrophenol	--	ug/kg	33 U	73 U	160 U	31 U	32 U	77 U [15 U]	31 U	15 U	30 U	15 U	13 U	15 U	700 U
3,3-Dichlorobenzidine	--	ug/kg	130 U	290 U	630 U	130 U	130 U	310 U [59 U]	120 U	59 U	120 U	60 U	53 U	60 U	2,800 U
3+4-Methylphenols	--	ug/kg	38 U	83 U	180 U	36 U	36 U	88 U [17 U]	36 U	17 U	35 U	17 U	15 U	17 U	800 U
3-Nitroaniline	--	ug/kg	130 U	290 U	640 U	130 U	130 U	310 U [59 U]	120 U	59 U	120 U	60 U	54 U	60 U	2,800 U
4,6-Dinitro-2-methylphenol	--	ug/kg	48 U	110 UJ	230 U	45 UJ	46 U	110 UJ [21 UJ]	45 U	21 UJ	44 U	22 UJ	19 U	22 UJ	1,000 U
4-Bromophenyl-phenylether	--	ug/kg	22 U	48 U	100 U	21 U	21 U	50 U [9.6 U]	20 U	9.7 U	20 U	9.8 U	8.7 U	9.8 U	460 U
4-Chloro-3-methylphenol	--	ug/kg	24 U	54 U	120 U	23 U	23 U	57 U [11 U]	23 U	11 U	22 U	11 U	9.9 U	11 U	510 U
4-Chloroaniline	--	ug/kg	300 U	670 U	1,500 U	290 U	290 U	710 U [140 U]	290 U	140 U	280 U	140 U	120 U	140 U	6,400 U
4-Chlorophenyl-phenylether	--	ug/kg	20 U	45 U	98 U	19 U	20 U	48 U [9.1 U]	19 U	9.1 U	19 U	9.3 U	8.2 U	9.2 U	430 U
4-Nitroaniline	--	ug/kg	64 U	140 U	310 U	61 U	62 U	150 U [29 U]	61 U	29 U	59 U	29 U	26 U	29 U	1,400 U
4-Nitrophenol	--	ug/kg	80 U	180 U	380 U	76 U	77 U	190 U [36 U]	75 U	36 U	74 U	37 U	32 U	36 U	1,700 U
Acenaphthene	20,000	ug/kg	310 J	40 U	550 J	650 J	350 J	42 U [8.1 U]	330 J	37 J	230 J	40 J	7.3 U	8.2 U	380 U
Acenaphthylene	100,000	ug/kg	340 J	310 J	120 U	180 J	110 J	430 J [110 J]	140 J	150 J	130 J	58 J	10 U	46 J	520 U
Acetophenone	--	ug/kg	43 U	95 U	210 U	41 U	41 U	100 U [19 U]	40 U	19 U	40 U	20 U	17 U	19 U	910 U
Anthracene	100,000	ug/kg	1,300	390 J	1,600 J	2,500 D	1,200	350 J [81 J]	1,300	130 J	800	96 J	7.9 U	78 J	410 U
Atrazine	--	ug/kg	25 U	55 U	120 U	24 U	24 U	59 U [11 U]	24 U	11 U	23 U	11 U	10 U	11 U	530 U
Benzaldehyde	--	ug/kg	80 U	180 U	390 U	76 U	77 U	190 U [36 U]	76 U	36 U	74 U	37 U	33 U	36 U	1,700 U
Benzo(a)anthracene	1,000	ug/kg	4,200	2,100	4,700	6,800 D	2,800	2,100 [560]	3,400	750	2,600	500	150 J	350 J	2,800 J
Benzo(a)pyrene	1,000	ug/kg	5,200	2,400	4,700	5,700	2,800	1,800 J [480]	3,300	610	2,600	390	130 J	290 J	2,700 J
Benzo(b)fluoranthene	1,000	ug/kg	4,700 D	2,400	7,100	6,500 D	4,100	1,400 J [490]	4,900	850	3,600	510	180 J	280 J	3,900 J
Benzo(g,h,i)perylene	100,000	ug/kg	1,600	1,400 J	1,700 J	1,600 J	900	890 J [330 J]	970	230 J	820	170 J	110 J	170 J	750 U
Benzo(k)fluoranthene	800	ug/kg	2,700	1,100 J	2,300 J	3,200	1,400	1,200 J [240 J]	1,800	350 J	1,200	230 J	67 J	160 J	590 U
bis(2-Chloroethoxy)methane	--	ug/kg	37 U	83 U	180 U	36 U	36 U	88 U [17 U]	35 U	17 U	35 U	17 U	15 U	17 U	790 U
bis(2-Chloroethyl)ether	--	ug/kg	40 U	89 U	190 U	38 U	39 U	95 U [18 U]	38 U	18 U	37 U	18 U	16 U	18 U	850 U
bis(2-Ethylhexyl)phthalate	--	ug/kg	19 U	280 J	91 U	650 J	250 J	380 J [200 J]	190 J	290 J	350 J	510 J	370	350 J	2,000 J
Butylbenzylphthalate	--	ug/kg	28 U	61 U	130 U	26 U	27 U	64 U [12 U]	26 U	12 U	25 U	13 U	11 U	12 U	580 U

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Table 11. Summary of SVOCs Detected in Surface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SS-7A 0 - 0.2 12/09/04	SS-8 0 - 0.2 06/09/04	SS-8A 0 - 0.2 12/09/04	SS-9 0 - 0.2 06/09/04	SS-9A 0 - 0.2 12/09/04	SS-10 0 - 0.2 06/09/04	SS-10A 0 - 0.2 12/09/04	SS-11 0 - 0.2 06/09/04	SS-11A 0 - 0.2 12/09/04	SS-12 0 - 0.2 06/09/04	SS-12A 0 - 0.2 12/09/04	SS-13 0 - 0.2 06/09/04	SS-13A 0 - 0.2 12/09/04
Semi-Volatile Organic Compounds															
Caprolatam	--	ug/kg	30 U	67 U	150 U	29 U	29 U	71 U [14 U]	29 U	14 U	28 U	14 U	12 U	14 U	640 U
Carbazole	--	ug/kg	620 J	40 U	700 J	1,400	560 J	42 U [8.1 U]	800	63 J	400 J	50 J	7.3 U	8.2 U	380 U
Chrysene	1,000	ug/kg	4,200	1,900	4,600	6,300	2,900	2,100 [550]	3,200	760	2,600	490	150 J	310 J	2,600 J
Dibenz(a,h)anthracene	330	ug/kg	150 J	53 UJ	120 U	170 J	84 J	56 UJ [11 UJ]	99 J	11 UJ	22 U	11 UJ	9.8 U	11 UJ	510 U
Dibenzofuran	7,000	ug/kg	150 J	60 U	130 U	370 J	140 J	63 U [12 U]	130 J	12 U	89 J	12 U	11 U	12 U	570 U
Diethylphthalate	--	ug/kg	26 U	57 U	120 U	25 U	25 U	60 U [12 U]	24 U	12 U	24 U	12 U	10 U	12 U	540 U
Dimethylphthalate	--	ug/kg	20 U	43 U	94 U	19 U	19 U	46 U [8.7 U]	18 U	8.8 U	18 U	8.9 U	7.9 U	8.9 U	410 U
Di-n-butylphthalate	--	ug/kg	94 J	24 U	52 U	10 U	11 U	26 U [4.9 U]	10 U	38 J	10 U	53 J	34 J	38 J	230 U
Di-n-octyl phthalate	--	ug/kg	20 U	43 U	94 U	19 U	19 U	46 U [8.7 U]	18 U	8.8 U	18 U	8.9 U	7.9 U	8.9 U	410 U
Fluoranthene	100,000	ug/kg	7,600 D	2,900	11,000	11,000	6,200	3,200 [840]	6,900 D	1,200	5,700	920	280 J	580	5,900 J
Fluorene	30,000	ug/kg	350 J	51 U	490 J	780 J	350 J	55 U [10 U]	320 J	57 J	210 J	40 J	9.5 U	11 U	490 U
Hexachlorobenzene	330	ug/kg	15 U	34 U	74 U	15 U	15 U	36 U [6.9 U]	14 U	6.9 U	14 U	7 U	6.2 U	7 U	320 U
Hexachlorobutadiene	--	ug/kg	29 U	63 U	140 U	27 U	28 U	67 U [13 U]	27 U	13 U	27 U	13 U	12 U	13 U	610 U
Hexachlorocyclopentadiene	--	ug/kg	21 U	45 UJ	99 U	20 UJ	20 U	48 UJ [9.2 UJ]	19 U	9.2 UJ	19 U	9.4 UJ	8.3 U	9.3 UJ	430 U
Hexachloroethane	--	ug/kg	39 U	86 U	190 U	37 U	38 U	92 U [17 U]	37 U	18 U	36 U	18 U	16 U	18 U	830 U
Indeno(1,2,3-cd)pyrene	500	ug/kg	710 J	1,500 J	720 J	1,100 J	500 J	810 J [300 J]	460 J	160 J	520 J	150 J	78 J	170 J	420 U
Isophorone	--	ug/kg	31 U	67 U	150 U	29 U	29 U	71 U [14 U]	29 U	14 U	28 U	14 U	12 U	14 U	640 U
Naphthalene	12,000	ug/kg	270 J	430 J	86 U	610 J	200 J	250 J [130 J]	170 J	140 J	130 J	260 J	7.2 U	8.1 U	380 U
Nitrobenzene	--	ug/kg	42 U	92 U	200 U	40 U	40 U	97 U [19 U]	39 U	19 U	38 U	19 U	17 U	19 U	880 U
N-Nitroso-di-n-propylamine	--	ug/kg	36 U	80 U	170 U	34 U	35 U	85 U [16 U]	34 U	16 U	33 U	17 U	15 U	16 U	760 U
N-Nitrosodiphenylamine	--	ug/kg	21 U	46 U	100 U	20 U	20 U	49 U [9.3 U]	20 U	9.3 U	19 U	9.5 U	8.4 U	9.4 U	440 U
Pentachlorophenol	800	ug/kg	26 U	56 U	120 U	24 U	25 U	60 U [11 U]	24 U	11 U	24 U	12 U	10 U	12 U	540 U
Phenanthrene	100,000	ug/kg	4,200	1,500 J	6,400	16,000 D	4,000	1,300 J [440]	4,300	700	3,200	590	100 J	380	3,800 J
Phenol	330	ug/kg	34 U	76 U	160 U	33 U	33 U	80 U [15 U]	32 U	15 U	32 U	16 U	14 U	15 U	720 U
Pyrene	100,000	ug/kg	7,100 D	2,900	11,000	12,000	5,100	3,800 [970]	6,000	1,300	4,700	870	260 J	570	6,500 J
Total SVOCs	--	ug/kg	45,900 J	21,500 J	57,600 J	77,900 J	34,000 J	20,000 J [5,800 J]	38,800 J	7,900 J	30,000 J	6,050 J	1,910 J	3,770 J	30,200 J
BAP Equivalents		ug/kg	6380	3060	6080	7410	3670	2290	4330	803	3320	519	178	380	3670

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Table 11. Summary of SVOCs Detected in Surface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units
Semi-Volatile Organic Compounds		
1,1-Biphenyl	--	ug/kg
2,2-oxybis(1-Chloropropane)	--	ug/kg
2,4,5-Trichlorophenol	--	ug/kg
2,4,6-Trichlorophenol	--	ug/kg
2,4-Dichlorophenol	--	ug/kg
2,4-Dimethylphenol	--	ug/kg
2,4-Dinitrophenol	--	ug/kg
2,4-Dinitrotoluene	--	ug/kg
2,6-Dinitrotoluene	--	ug/kg
2-Chloronaphthalene	--	ug/kg
2-Chlorophenol	--	ug/kg
2-Methylnaphthalene	--	ug/kg
2-Methylphenol	330	ug/kg
2-Nitroaniline	--	ug/kg
2-Nitrophenol	--	ug/kg
3,3-Dichlorobenzidine	--	ug/kg
3+4-Methylphenols	--	ug/kg
3-Nitroaniline	--	ug/kg
4,6-Dinitro-2-methylphenol	--	ug/kg
4-Bromophenyl-phenylether	--	ug/kg
4-Chloro-3-methylphenol	--	ug/kg
4-Chloroaniline	--	ug/kg
4-Chlorophenyl-phenylether	--	ug/kg
4-Nitroaniline	--	ug/kg
4-Nitrophenol	--	ug/kg
Acenaphthene	20,000	ug/kg
Acenaphthylene	100,000	ug/kg
Acetophenone	--	ug/kg
Anthracene	100,000	ug/kg
Atrazine	--	ug/kg
Benzaldehyde	--	ug/kg
Benzo(a)anthracene	1,000	ug/kg
Benzo(a)pyrene	1,000	ug/kg
Benzo(b)fluoranthene	1,000	ug/kg
Benzo(g,h,i)perylene	100,000	ug/kg
Benzo(k)fluoranthene	800	ug/kg
bis(2-Chloroethoxy)methane	--	ug/kg
bis(2-Chloroethyl)ether	--	ug/kg
bis(2-Ethylhexyl)phthalate	--	ug/kg
Butylbenzylphthalate	--	ug/kg

See Notes on Page 14.

Table 11. Summary of SVOCs Detected in Surface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units
Semi-Volatile Organic Compounds		
Caprolatam	--	ug/kg
Carbazole	--	ug/kg
Chrysene	1,000	ug/kg
Dibenz(a,h)anthracene	330	ug/kg
Dibenzofuran	7,000	ug/kg
Diethylphthalate	--	ug/kg
Dimethylphthalate	--	ug/kg
Di-n-butylphthalate	--	ug/kg
Di-n-octyl phthalate	--	ug/kg
Fluoranthene	100,000	ug/kg
Fluorene	30,000	ug/kg
Hexachlorobenzene	330	ug/kg
Hexachlorobutadiene	--	ug/kg
Hexachlorocyclopentadiene	--	ug/kg
Hexachloroethane	--	ug/kg
Indeno(1,2,3-cd)pyrene	500	ug/kg
Isophorone	--	ug/kg
Naphthalene	12,000	ug/kg
Nitrobenzene	--	ug/kg
N-Nitroso-di-n-propylamine	--	ug/kg
N-Nitrosodiphenylamine	--	ug/kg
Pentachlorophenol	800	ug/kg
Phenanthrene	100,000	ug/kg
Phenol	330	ug/kg
Pyrene	100,000	ug/kg
Total SVOCs	--	ug/kg
BAP Equivalents		ug/kg

See Notes on Page 14.

Table 11. Summary of SVOCs Detected in Surface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SS-14 0 - 0.2 06/09/04	SS-14A 0 - 0.2 12/09/04	SS-15 0 - 0.2 06/09/04	SS-15A 0 - 0.2 12/09/04	SS-16 0 - 0.2 06/09/04	SS-16A 0 - 0.2 12/09/04	SS-17 0 - 0.2 06/09/04	SS-17A 0 - 0.2 12/09/04	SS-18 0 - 0.2 06/09/04	SS-18A 0 - 0.2 12/09/04	SS-19 0 - 0.2 06/09/04	SS-19A 0 - 0.2 12/09/04	SS-20 0 - 0.2 06/09/04
Semi-Volatile Organic Compounds															
1,1-Biphenyl	--	ug/kg	11 U	200 U	11 U	100 U	22 U	110 U	790 J	120 U	21 U	45 U	20 U	24 U	22 U
2,2-oxybis(1-Chloropropane)	--	ug/kg	21 U	370 U	20 U	190 U	40 U	200 U	200 U	210 U	39 U	83 U	37 U	44 U	40 U
2,4,5-Trichlorophenol	--	ug/kg	26 U	450 U	25 U	230 U	48 U	250 U	240 U	260 U	48 U	100 U	46 U	54 U	48 U
2,4,6-Trichlorophenol	--	ug/kg	14 U	250 U	14 U	130 U	27 U	140 U	130 U	140 U	26 U	56 U	25 U	30 U	27 U
2,4-Dichlorophenol	--	ug/kg	14 U	240 U	13 U	120 U	26 U	130 U	130 U	140 U	25 U	54 U	24 U	29 U	26 U
2,4-Dimethylphenol	--	ug/kg	21 U	370 U	20 U	190 U	40 U	200 U	200 U	210 U	39 U	83 U	37 U	44 U	40 U
2,4-Dinitrophenol	--	ug/kg	17 U	300 U	17 U	150 U	32 U	170 U	160 U	170 U	32 U	68 U	30 U	36 U	32 U
2,4-Dinitrotoluene	--	ug/kg	7.7 U	140 U	7.5 U	69 U	15 U	75 U	73 U	78 U	14 U	31 U	14 U	16 U	15 U
2,6-Dinitrotoluene	--	ug/kg	17 U	290 U	16 U	150 U	31 U	160 U	160 U	170 U	31 U	65 U	29 U	35 U	31 U
2-Chloronaphthalene	--	ug/kg	8.1 U	140 U	7.9 U	72 U	15 U	78 U	76 U	81 U	15 U	32 U	14 U	17 U	15 U
2-Chlorophenol	--	ug/kg	17 U	290 U	16 U	150 U	32 U	160 U	160 U	170 U	31 U	66 U	30 U	35 U	32 U
2-Methylnaphthalene	--	ug/kg	57 J	120 U	6.5 U	1,200 J	13 U	900 J	4,600	1,900 J	280 J	190 J	12 U	14 U	100 J
2-Methylphenol	330	ug/kg	25 U	430 U	24 U	220 U	46 U	240 U	230 U	250 U	45 U	97 U	44 U	52 U	46 U
2-Nitroaniline	--	ug/kg	14 U	250 U	14 U	130 U	27 U	140 U	130 U	140 U	26 U	56 U	25 U	30 U	27 U
2-Nitrophenol	--	ug/kg	16 U	270 U	15 U	140 U	29 U	150 U	150 U	160 U	29 U	62 U	28 U	33 U	29 U
3,3-Dichlorobenzidine	--	ug/kg	62 U	1,100 U	61 U	560 U	120 U	600 U	590 U	630 U	120 U	250 U	110 U	130 U	120 U
3+4-Methylphenols	--	ug/kg	18 U	310 U	17 U	160 U	34 U	170 U	170 U	180 U	33 U	70 U	32 U	38 U	34 U
3-Nitroaniline	--	ug/kg	63 U	1,100 U	61 U	560 U	120 U	610 U	590 U	630 U	120 U	250 U	110 U	130 U	120 U
4,6-Dinitro-2-methylphenol	--	ug/kg	23 UJ	400 U	22 UJ	200 U	42 UJ	220 U	210 UJ	230 U	42 UJ	89 U	40 UJ	47 U	42 UJ
4-Bromophenyl-phenylether	--	ug/kg	10 U	180 U	9.9 U	91 U	19 U	99 U	96 U	100 U	19 U	40 U	18 U	22 U	19 U
4-Chloro-3-methylphenol	--	ug/kg	11 U	200 U	11 U	100 U	22 U	110 U	110 U	120 U	21 U	45 U	20 U	24 U	22 U
4-Chloroaniline	--	ug/kg	140 U	2,500 U	140 U	1,300 U	270 U	1,400 U	1,300 U	1,400 U	270 U	570 U	260 U	300 U	270 U
4-Chlorophenyl-phenylether	--	ug/kg	9.6 U	170 U	9.3 U	86 U	18 U	93 U	90 U	97 U	18 U	38 U	17 U	20 U	18 U
4-Nitroaniline	--	ug/kg	30 U	530 U	30 U	270 U	57 U	290 U	290 U	310 U	56 U	120 U	54 U	64 U	57 U
4-Nitrophenol	--	ug/kg	38 U	670 U	37 U	340 U	71 U	370 U	360 U	380 U	70 U	150 U	67 U	80 U	200 J
Acenaphthene	20,000	ug/kg	90 J	150 U	100 J	77 U	84 J	2,300 J	890 J	2,600 J	310 J	790 J	88 J	150 J	80 J
Acenaphthylene	100,000	ug/kg	12 UJ	200 U	11 UJ	5,200	1,200 UJ	2,400 J	5,900 J	2,600 J	130 J	260 J	84 J	100 J	380 J
Acetophenone	--	ug/kg	20 U	360 U	20 U	180 U	38 U	200 U	190 U	200 U	38 U	80 U	36 U	43 U	38 U
Anthracene	100,000	ug/kg	230 J	1,200 J	270 J	1,800 J	510 J	8,700	4,500	8,300	2,100	3,000	540 J	460 J	440 J
Atrazine	--	ug/kg	12 U	210 U	12 U	110 U	22 U	110 U	110 U	120 U	22 U	47 U	21 U	25 U	22 U
Benzaldehyde	--	ug/kg	38 U	670 U	37 U	340 U	72 U	370 U	360 U	380 U	71 U	150 U	68 U	80 U	72 U
Benzo(a)anthracene	1,000	ug/kg	1,100	4,000 J	1,100	5,700	7,600 D	18,000	20,000	15,000	7,900 D	4,600	3,900	1,600	2,400
Benzo(a)pyrene	1,000	ug/kg	760	4,200 J	790	8,100	8,000 J	15,000	9,800 J	12,000	4,800	3,600	3,400	1,600	2,000
Benzo(b)fluoranthene	1,000	ug/kg	940	6,000 J	960	10,000	11,000 J	26,000	19,000 J	16,000	5,800 D	4,800	4,100	2,300	2,900
Benzo(g,h,i)perylene	100,000	ug/kg	350 J	1,800 J	350 J	3,700	2,000 J	4,500	4,000 J	3,200 J	1,200 J	1,000 J	990 J	540 J	690 J
Benzo(k)fluoranthene	800	ug/kg	420	2,300 J	430	3,100 J	4,400 J	7,700	6,400 J	6,700	2,700	2,000	1,900	750 J	1,200
bis(2-Chloroethoxy)methane	--	ug/kg	18 U	310 U	17 U	160 U	33 U	170 U	170 U	180 U	33 U	70 U	32 U	37 U	33 U
bis(2-Chloroethyl)ether	--	ug/kg	19 U	340 U	19 U	170 U	36 U	190 U	180 U	190 U	35 U	76 U	34 U	40 U	36 U
bis(2-Ethylhexyl)phthalate	--	ug/kg	340 J	160 U	400 J	470 J	190 J	86 U	950 J	2,100 J	770 J	210 J	200 J	350 J	17 U
Butylbenzylphthalate	--	ug/kg	13 U	230 U	13 U	120 U	25 U	130 U	120 U	130 U	100 J	51 U	23 U	27 U	25 U

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Table 11. Summary of SVOCs Detected in Surface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SS-14 0 - 0.2 06/09/04	SS-14A 0 - 0.2 12/09/04	SS-15 0 - 0.2 06/09/04	SS-15A 0 - 0.2 12/09/04	SS-16 0 - 0.2 06/09/04	SS-16A 0 - 0.2 12/09/04	SS-17 0 - 0.2 06/09/04	SS-17A 0 - 0.2 12/09/04	SS-18 0 - 0.2 06/09/04	SS-18A 0 - 0.2 12/09/04	SS-19 0 - 0.2 06/09/04	SS-19A 0 - 0.2 12/09/04	SS-20 0 - 0.2 06/09/04
Semi-Volatile Organic Compounds															
Caprolatam	--	ug/kg	14 U	250 U	14 U	130 U	27 U	140 U	130 U	140 U	27 U	57 U	25 U	30 U	27 U
Carbazole	--	ug/kg	180 J	150 U	190 J	77 U	140 J	4,400	970 J	1,900 J	1,800	530 J	80 J	170 J	150 J
Chrysene	1,000	ug/kg	1,000	3,800 J	950	6,300	6,200 D	18,000	19,000	14,000	5,700	4,000	3,600	1,500	2,300
Dibenz(a,h)anthracene	330	ug/kg	11 UJ	200 U	11 UJ	100 U	190 J	410 J	430 J	110 U	140 J	45 U	110 J	24 U	83 J
Dibenzofuran	7,000	ug/kg	55 J	220 U	61 J	110 U	24 U	1,200 J	870 J	1,400 J	110 J	520 J	23 U	27 U	24 U
Diethylphthalate	--	ug/kg	12 U	210 U	12 U	110 U	23 U	120 U	110 U	120 U	23 U	48 U	22 U	26 U	23 U
Dimethylphthalate	--	ug/kg	9.3 U	160 U	9 U	83 U	17 U	90 U	87 U	93 U	17 U	37 U	16 U	20 U	17 U
Di-n-butylphthalate	--	ug/kg	54 J	91 U	5 U	46 U	9.7 U	50 U	49 U	52 U	73 J	20 U	9.2 U	11 U	9.7 U
Di-n-octyl phthalate	--	ug/kg	9.3 U	160 U	9 U	83 U	17 U	90 U	87 U	93 U	17 U	37 U	16 U	20 U	17 U
Fluoranthene	100,000	ug/kg	2,100	8,100	2,100	8,000	16,000 D	43,000 D	29,000	26,000	18,000 D	11,000	5,100	3,700	4,100
Fluorene	30,000	ug/kg	100 J	190 U	130 J	770 J	74 J	2,500 J	4,600	3,900 J	240 J	1,100 J	81 J	150 J	130 J
Hexachlorobenzene	330	ug/kg	7.3 U	130 U	7.1 U	65 U	14 U	71 U	68 U	73 U	13 U	29 U	13 U	15 U	14 U
Hexachlorobutadiene	--	ug/kg	14 U	240 U	13 U	120 U	26 U	130 U	130 U	140 U	25 U	54 U	24 U	29 U	26 U
Hexachlorocyclopentadiene	--	ug/kg	9.7 UJ	170 U	9.5 UJ	87 U	18 UJ	94 U	91 UJ	98 U	18 UJ	38 U	17 UJ	21 U	18 UJ
Hexachloroethane	--	ug/kg	19 U	330 U	18 U	170 U	35 U	180 U	170 U	190 U	34 U	73 U	33 U	39 U	35 U
Indeno(1,2,3-cd)pyrene	500	ug/kg	360 J	710 J	340 J	1,300 J	1,200 J	1,800 J	2,000 J	1,300 J	1,100 J	680 J	770 J	220 J	500 J
Isophorone	--	ug/kg	14 U	250 U	14 U	130 U	27 U	140 U	140 U	150 U	27 U	57 U	26 U	30 U	27 U
Naphthalene	12,000	ug/kg	96 J	840 J	67 J	2,200 J	87 J	1,800 J	4,500	2,100 J	220 J	240 J	75 J	100 J	210 J
Nitrobenzene	--	ug/kg	20 U	350 U	19 U	180 U	37 U	190 U	190 U	200 U	37 U	78 U	35 U	42 U	37 U
N-Nitroso-di-n-propylamine	--	ug/kg	17 U	300 U	17 U	150 U	32 U	170 U	160 U	170 U	32 U	68 U	30 U	36 U	32 U
N-Nitrosodiphenylamine	--	ug/kg	9.9 U	170 U	9.6 U	88 U	19 U	96 U	93 U	99 U	18 U	39 U	18 U	21 U	19 U
Pentachlorophenol	800	ug/kg	12 U	210 U	12 U	110 U	23 U	120 U	110 U	120 U	22 U	48 U	21 U	25 U	23 U
Phenanthrene	100,000	ug/kg	1,300	4,600 J	1,600	5,500	1,400	24,000	32,000 D	25,000	8,900 D	8,600	2,400	2,100	2,400
Phenol	330	ug/kg	16 U	280 U	16 U	140 U	31 U	160 U	150 U	160 U	30 U	64 U	29 U	34 U	31 U
Pyrene	100,000	ug/kg	1,700	9,600	1,800	15,000	11,000 D	41,000 D	33,000 D	30,000	13,000 D	8,400	5,400	3,600	3,500
Total SVOCs	--	ug/kg	11,200 J	47,200 J	11,600 J	78,300 J	70,100 J	224,000 J	203,000 J	176,000 J	75,400 J	55,500 J	32,800 J	19,400 J	23,800 J
BAP Equivalents		ug/kg	1020	5430	1050	9940	10300	20200	14600	15500	6500	4690	4440	2050	2700

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Table 11. Summary of SVOCs Detected in Surface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SS-22 0 - 0.2 08/18/04	SS-23 0 - 0.2 08/18/04	SS-24 0 - 0.2 08/18/04	SS-25 0 - 0.2 08/18/04	SS-26 0 - 0.2 08/18/04	SS-27 0 - 0.2 08/24/04	SS-28 0 - 0.2 08/24/04	SS-29 0 - 0.2 08/24/04	SS-30 0 - 0.2 08/24/04	SS-31 0 - 0.2 08/24/04	SS-32 0 - 0.2 08/24/04	SS-33 0 - 0.2 08/24/04	SS-34 0 - 0.2 08/24/04	SS-35 0 - 0.2 08/24/04
Semi-Volatile Organic Compounds																
1,1-Biphenyl	--	ug/kg	570 U	230 U	120 U	24 U	230 U	12 U	23 U	21 U	23 U	14 U	11 U	12 U	12 U	23 U
2,2-oxybis(1-Chloropropane)	--	ug/kg	1,000 U	410 U	220 U	44 U	420 U	22 U	42 U	38 U	42 U	26 U	21 U	22 U	21 U	42 U
2,4,5-Trichlorophenol	--	ug/kg	1,300 U	500 U	270 U	53 U	520 U	27 U	51 U	47 U	51 U	32 U	26 U	26 U	26 U	52 U
2,4,6-Trichlorophenol	--	ug/kg	700 U	280 U	150 U	29 U	280 U	15 U	28 U	26 U	28 U	18 U	14 U	14 U	14 U	28 U
2,4-Dichlorophenol	--	ug/kg	680 U	270 U	140 U	28 U	270 U	14 U	27 U	25 U	27 U	17 U	14 U	14 U	14 U	27 U
2,4-Dimethylphenol	--	ug/kg	1,000 U	410 U	220 U	44 U	420 U	22 U	42 U	38 U	42 U	26 U	21 U	22 U	21 U	42 U
2,4-Dinitrophenol	--	ug/kg	850 UJ	340 UJ	180 UJ	36 UJ	350 UJ	18 U	34 U	31 U	34 U	21 U	17 U	18 U	17 U	35 U
2,4-Dinitrotoluene	--	ug/kg	380 U	150 U	82 U	16 U	160 U	8 U	15 U	14 U	15 U	9.7 U	7.7 U	7.9 U	7.8 U	16 U
2,6-Dinitrotoluene	--	ug/kg	820 U	320 U	180 U	34 U	330 U	17 U	33 U	30 U	33 U	21 U	16 U	17 U	17 U	33 U
2-Chloronaphthalene	--	ug/kg	400 U	160 U	86 U	17 U	160 U	8.4 U	16 U	15 U	16 U	10 U	8.1 U	8.3 U	8.2 U	16 U
2-Chlorophenol	--	ug/kg	830 U	330 U	180 U	35 U	340 U	17 U	33 U	31 U	33 U	21 U	17 U	17 U	17 U	34 U
2-Methylnaphthalene	--	ug/kg	330 U	130 U	71 U	14 U	140 U	6.9 U	180 J	120 J	320 J	8.4 U	100 J	6.9 U	61 J	180 J
2-Methylphenol	330	ug/kg	1,200 U	480 U	260 U	51 U	500 U	25 U	49 U	45 U	49 U	31 U	24 U	25 U	25 U	49 U
2-Nitroaniline	--	ug/kg	700 U	280 U	150 U	29 U	280 U	15 U	28 U	26 U	28 U	18 U	14 U	14 U	14 U	28 U
2-Nitrophenol	--	ug/kg	770 U	310 U	170 U	32 U	320 U	16 U	31 U	28 U	31 U	19 U	16 U	16 U	16 U	31 U
3,3-Dichlorobenzidine	--	ug/kg	3,100 U	1,200 U	660 U	130 U	1,300 U	64 U	120 U	110 U	120 U	78 U	62 U	64 U	63 U	130 U
3+4-Methylphenols	--	ug/kg	880 U	350 U	190 U	37 U	360 U	18 U	35 U	33 U	35 U	22 U	18 U	18 U	18 U	36 U
3-Nitroaniline	--	ug/kg	3,100 U	1,200 U	660 U	130 U	1,300 U	65 U	120 U	110 U	120 U	78 U	62 U	64 U	63 U	130 U
4,6-Dinitro-2-methylphenol	--	ug/kg	1,100 UJ	440 UJ	240 UJ	47 UJ	460 UJ	23 U	45 U	41 U	45 U	28 U	22 U	23 U	23 U	45 U
4-Bromophenyl-phenylether	--	ug/kg	510 U	200 U	110 U	21 U	210 U	11 U	20 U	19 U	20 U	13 U	10 U	10 U	10 U	21 U
4-Chloro-3-methylphenol	--	ug/kg	570 U	230 U	120 U	24 U	230 U	12 U	23 U	21 U	23 U	14 U	11 U	12 U	12 U	23 U
4-Chloroaniline	--	ug/kg	7,100 U	2,800 U	1,500 U	300 U	2,900 U	150 U	290 U	260 U	280 U	180 U	140 U	150 U	150 U	290 U
4-Chlorophenyl-phenylether	--	ug/kg	480 U	190 U	100 U	20 U	190 U	9.9 U	19 U	18 U	19 U	12 U	9.6 U	9.9 U	9.7 U	19 U
4-Nitroaniline	--	ug/kg	1,500 U	590 U	320 U	63 U	610 U	31 U	60 U	55 U	60 U	38 U	30 U	31 U	31 U	61 U
4-Nitrophenol	--	ug/kg	1,900 U	740 U	400 U	79 U	770 U	39 U	75 U	69 U	75 U	47 U	38 U	39 U	38 U	76 U
Acenaphthene	20,000	ug/kg	420 U	170 U	91 U	18 U	170 U	8.9 U	610 J	310 J	250 J	11 U	100 J	41 J	59 J	100 J
Acenaphthylene	100,000	ug/kg	580 U	230 U	120 U	24 U	230 U	12 U	110 J	290 J	1,400	15 U	140 J	42 J	41 J	280 J
Acetophenone	--	ug/kg	1,000 U	400 U	210 U	42 U	410 U	21 U	40 U	37 U	40 U	25 U	20 U	21 U	21 U	41 U
Anthracene	100,000	ug/kg	460 U	180 U	560 J	200 J	830 J	59 J	1,800	980	700 J	54 J	320 J	120 J	140 J	310 J
Atrazine	--	ug/kg	590 U	230 U	130 U	25 U	240 U	12 U	24 U	22 U	23 U	15 U	12 U	12 U	12 U	24 U
Benzaldehyde	--	ug/kg	1,900 U	740 U	400 U	79 U	770 U	39 U	76 U	69 U	75 U	47 U	38 U	39 U	38 U	77 U
Benzo(a)anthracene	1,000	ug/kg	2,900 J	2,300 J	2,000 J	1,100	2,200 J	260 J	3,400	2,400	2,300	300 J	1,100	530	550	970
Benzo(a)pyrene	1,000	ug/kg	3,300 J	2,300 J	1,900 J	1,500	1,900 J	250 J	2,500	2,400	2,800	280 J	1,000	470	500	960
Benzo(b)fluoranthene	1,000	ug/kg	4,500 J	2,400 J	1,900 J	1,300	2,800 J	340 J	2,400	2,200	2,000	380 J	930	480	680	860
Benzo(g,h,i)perylene	100,000	ug/kg	840 U	1,100 J	790 J	660 J	790 J	160 J	1,400	1,500	1,400	140 J	490	210 J	210 J	410 J
Benzo(k)fluoranthene	800	ug/kg	660 U	2,200 J	1,800 J	1,300 J	1,200 J	120 J	2,100	1,900	1,900	160 J	860	450	260 J	820
bis(2-Chloroethoxy)methane	--	ug/kg	880 U	350 U	190 U	37 U	360 U	18 U	35 U	32 U	35 U	22 U	18 U	18 U	18 U	36 U
bis(2-Chloroethyl)ether	--	ug/kg	950 U	370 U	200 U	40 U	390 U	20 U	38 U	35 U	38 U	24 U	19 U	20 U	19 U	39 U
bis(2-Ethylhexyl)phthalate	--	ug/kg	440 U	2,000 J	6,600	1,300	1,800 J	150 J	330 J	260 J	150 J	11 U	300 J	810	380 J	520 J
Butylbenzylphthalate	--	ug/kg	650 U	250 U	430 J	120 J	260 U	13 U	26 U	24 U	26 U	16 U	13 U	60 J	40 J	26 U

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Table 11. Summary of SVOCs Detected in Surface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCO's	Units	SS-22 0 - 0.2 08/18/04	SS-23 0 - 0.2 08/18/04	SS-24 0 - 0.2 08/18/04	SS-25 0 - 0.2 08/18/04	SS-26 0 - 0.2 08/18/04	SS-27 0 - 0.2 08/24/04	SS-28 0 - 0.2 08/24/04	SS-29 0 - 0.2 08/24/04	SS-30 0 - 0.2 08/24/04	SS-31 0 - 0.2 08/24/04	SS-32 0 - 0.2 08/24/04	SS-33 0 - 0.2 08/24/04	SS-34 0 - 0.2 08/24/04	SS-35 0 - 0.2 08/24/04
Semi-Volatile Organic Compounds																
Caprolatam	--	ug/kg	710 U	280 U	150 U	30 U	290 U	15 U	28 U	26 U	28 U	18 U	14 U	15 U	14 U	29 U
Carbazole	--	ug/kg	420 U	170 U	91 U	110 J	170 U	8.9 U	580 J	360 J	220 J	11 U	190 J	57 J	74 J	130 J
Chrysene	1,000	ug/kg	3,100 J	2,200 J	1,900 J	1,200	2,200 J	270 J	3,100	2,300	2,400	280 J	990	560	520	930
Dibenz(a,h)anthracene	330	ug/kg	560 U	220 U	120 U	24 U	230 U	12 U	190 J	140 J	180 J	14 U	62 J	12 U	12 U	23 U
Dibenzofuran	7,000	ug/kg	630 U	250 U	140 U	27 U	260 U	13 U	370 J	220 J	25 U	16 U	66 J	13 U	13 U	26 U
Diethylphthalate	--	ug/kg	610 U	240 U	130 U	25 U	250 U	13 U	24 U	22 U	24 U	15 U	12 U	13 U	12 U	25 U
Dimethylphthalate	--	ug/kg	460 U	180 U	98 U	19 U	190 U	9.6 U	18 U	17 U	18 U	12 U	9.2 U	9.5 U	9.4 U	19 U
Di-n-butylphthalate	--	ug/kg	260 U	100 U	55 U	160 J	100 U	5.3 U	10 U	9.4 U	10 U	6.4 U	5.1 U	45 J	180 J	10 U
Di-n-octyl phthalate	--	ug/kg	460 U	180 U	98 U	19 U	190 U	9.6 U	18 U	17 U	18 U	12 U	9.2 U	9.5 U	9.4 U	19 U
Fluoranthene	100,000	ug/kg	5,600 J	3,700 J	3,700 J	1,700	4,200 J	490	5,900	4,000	3,100	440 J	1,800	890	970	1,600
Fluorene	30,000	ug/kg	550 U	220 U	120 U	23 U	220 U	11 U	920	330 J	400 J	14 U	140 J	41 J	61 J	120 J
Hexachlorobenzene	330	ug/kg	360 U	140 U	77 U	15 U	150 U	7.5 U	14 U	13 U	14 U	9.1 U	7.2 U	7.5 U	7.4 U	15 U
Hexachlorobutadiene	--	ug/kg	680 U	270 U	140 U	28 U	270 U	14 U	27 U	25 U	27 U	17 U	14 U	14 U	14 U	27 U
Hexachlorocyclopentadiene	--	ug/kg	R	R	R	R	R	10 U	19 U	18 U	19 U	12 U	9.7 U	10 U	9.8 U	20 U
Hexachloroethane	--	ug/kg	920 U	360 U	200 U	38 U	370 U	19 U	37 U	34 U	37 U	23 U	18 U	19 U	19 U	37 U
Indeno(1,2,3-cd)pyrene	500	ug/kg	470 UJ	180 UJ	500 J	440 J	190 UJ	130 J	1,400	1,300	1,100	130 J	450	160 J	170 J	300 J
Isophorone	--	ug/kg	720 U	280 U	150 U	30 U	290 U	15 U	29 U	26 U	29 U	18 U	14 U	15 U	15 U	29 U
Naphthalene	12,000	ug/kg	420 U	170 U	89 U	99 J	170 U	8.7 U	150 J	210 J	670 J	11 U	280 J	8.7 U	130 J	280 J
Nitrobenzene	--	ug/kg	980 U	390 U	210 U	41 U	400 U	20 U	39 U	36 U	39 U	25 U	20 U	20 U	20 U	40 U
N-Nitroso-di-n-propylamine	--	ug/kg	850 U	340 U	180 U	36 U	350 U	18 U	34 U	31 U	34 U	21 U	17 U	18 U	17 U	35 U
N-Nitrosodiphenylamine	--	ug/kg	490 U	190 U	100 U	20 U	200 U	10 U	20 U	18 U	20 U	12 U	9.8 U	10 U	10 U	20 U
Pentachlorophenol	800	ug/kg	600 U	240 U	130 U	25 U	240 U	12 U	24 U	22 U	24 U	15 U	12 U	12 U	12 U	24 U
Phenanthrene	100,000	ug/kg	3,300 J	1,800 J	2,200 J	670 J	2,300 J	190 J	4,900	2,500	1,600	190 J	1,000	460	550	930
Phenol	330	ug/kg	800 U	320 U	170 U	34 U	330 U	17 U	32 U	30 U	32 U	20 U	16 U	17 U	16 U	33 U
Pyrene	100,000	ug/kg	5,800 J	4,200 J	3,700 J	1,900	4,200 J	510	5,500	4,100	4,600	450 J	1,800	940	1,100	1,800
Total SVOCs	--	ug/kg	28,500 J	24,200 J	28,000 J	13,800 J	24,400 J	2,930 J	37,800 J	27,800 J	27,500 J	2,800 J	12,100 J	6,370 J	6,680 J	11,500 J
BAP Equivalents		ug/kg	4380	2930	2440	1820	2560	333	3460		3560	372	1330	603	654	1200

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Table 11. Summary of SVOCs Detected in Surface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units
Semi-Volatile Organic Compounds		
1,1-Biphenyl	--	ug/kg
2,2-oxybis(1-Chloropropane)	--	ug/kg
2,4,5-Trichlorophenol	--	ug/kg
2,4,6-Trichlorophenol	--	ug/kg
2,4-Dichlorophenol	--	ug/kg
2,4-Dimethylphenol	--	ug/kg
2,4-Dinitrophenol	--	ug/kg
2,4-Dinitrotoluene	--	ug/kg
2,6-Dinitrotoluene	--	ug/kg
2-Chloronaphthalene	--	ug/kg
2-Chlorophenol	--	ug/kg
2-Methylnaphthalene	--	ug/kg
2-Methylphenol	330	ug/kg
2-Nitroaniline	--	ug/kg
2-Nitrophenol	--	ug/kg
3,3-Dichlorobenzidine	--	ug/kg
3+4-Methylphenols	--	ug/kg
3-Nitroaniline	--	ug/kg
4,6-Dinitro-2-methylphenol	--	ug/kg
4-Bromophenyl-phenylether	--	ug/kg
4-Chloro-3-methylphenol	--	ug/kg
4-Chloroaniline	--	ug/kg
4-Chlorophenyl-phenylether	--	ug/kg
4-Nitroaniline	--	ug/kg
4-Nitrophenol	--	ug/kg
Acenaphthene	20,000	ug/kg
Acenaphthylene	100,000	ug/kg
Acetophenone	--	ug/kg
Anthracene	100,000	ug/kg
Atrazine	--	ug/kg
Benzaldehyde	--	ug/kg
Benzo(a)anthracene	1,000	ug/kg
Benzo(a)pyrene	1,000	ug/kg
Benzo(b)fluoranthene	1,000	ug/kg
Benzo(g,h,i)perylene	100,000	ug/kg
Benzo(k)fluoranthene	800	ug/kg
bis(2-Chloroethoxy)methane	--	ug/kg
bis(2-Chloroethyl)ether	--	ug/kg
bis(2-Ethylhexyl)phthalate	--	ug/kg
Butylbenzylphthalate	--	ug/kg

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Table 11. Summary of SVOCs Detected in Surface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units
Semi-Volatile Organic Compounds		
Caprolatam	--	ug/kg
Carbazole	--	ug/kg
Chrysene	1,000	ug/kg
Dibenz(a,h)anthracene	330	ug/kg
Dibenzofuran	7,000	ug/kg
Diethylphthalate	--	ug/kg
Dimethylphthalate	--	ug/kg
Di-n-butylphthalate	--	ug/kg
Di-n-octyl phthalate	--	ug/kg
Fluoranthene	100,000	ug/kg
Fluorene	30,000	ug/kg
Hexachlorobenzene	330	ug/kg
Hexachlorobutadiene	--	ug/kg
Hexachlorocyclopentadiene	--	ug/kg
Hexachloroethane	--	ug/kg
Indeno(1,2,3-cd)pyrene	500	ug/kg
Isophorone	--	ug/kg
Naphthalene	12,000	ug/kg
Nitrobenzene	--	ug/kg
N-Nitroso-di-n-propylamine	--	ug/kg
N-Nitrosodiphenylamine	--	ug/kg
Pentachlorophenol	800	ug/kg
Phenanthrene	100,000	ug/kg
Phenol	330	ug/kg
Pyrene	100,000	ug/kg
Total SVOCs	--	ug/kg
BAP Equivalents		ug/kg

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Table 11. Summary of SVOCs Detected in Surface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SS-36 0 - 0.2 08/24/04	SS-37 0 - 0.2 08/24/04	SS-38 0 - 0.2 08/24/04	SS-39 0 - 0.2 08/24/04	SS-40 0 - 0.2 08/24/04	SS-41 0 - 0.2 08/24/04	SS-42 0 - 0.2 08/24/04	SS-43 0 - 0.2 08/24/04	SS-44 0 - 0.2 08/24/04	SS-45 0 - 0.2 08/24/04	SS-46 0 - 0.2 08/24/04
Semi-Volatile Organic Compounds													
1,1-Biphenyl	--	ug/kg	12 U	23 U	27 U	26 U	25 U	11 U	12 U	28 U	24 U	23 U	22 U
2,2-oxybis(1-Chloropropane)	--	ug/kg	22 U	42 U	48 U	47 U	45 U	20 U	22 U	51 U	43 U	42 U	41 U
2,4,5-Trichlorophenol	--	ug/kg	26 U	51 U	59 U	58 U	55 U	25 U	27 U	62 U	53 U	51 U	50 U
2,4,6-Trichlorophenol	--	ug/kg	14 U	28 U	33 U	32 U	30 U	14 U	15 U	34 U	29 U	28 U	27 U
2,4-Dichlorophenol	--	ug/kg	14 U	27 U	31 U	31 U	29 U	13 U	14 U	33 U	28 U	27 U	27 U
2,4-Dimethylphenol	--	ug/kg	22 U	42 U	48 U	47 U	45 U	20 U	22 U	51 U	43 U	42 U	41 U
2,4-Dinitrophenol	--	ug/kg	18 U	34 U	40 U	38 U	37 U	17 U	18 U	41 U	35 U	34 U	33 U
2,4-Dinitrotoluene	--	ug/kg	7.9 U	15 U	18 U	17 U	17 U	7.5 U	8.2 U	19 U	16 U	15 U	15 U
2,6-Dinitrotoluene	--	ug/kg	17 U	33 U	38 U	37 U	36 U	16 U	18 U	40 U	34 U	33 U	32 U
2-Chloronaphthalene	--	ug/kg	8.3 U	16 U	19 U	18 U	17 U	7.8 U	8.6 U	20 U	17 U	16 U	16 U
2-Chlorophenol	--	ug/kg	17 U	33 U	39 U	38 U	36 U	16 U	18 U	40 U	34 U	33 U	33 U
2-Methylnaphthalene	--	ug/kg	150 J	91 J	350 J	15 U	150 J	6.5 U	7.1 U	16 U	140 J	240 J	200 J
2-Methylphenol	330	ug/kg	25 U	48 U	57 U	55 U	53 U	24 U	26 U	59 U	50 U	49 U	48 U
2-Nitroaniline	--	ug/kg	14 U	28 U	33 U	32 U	30 U	14 U	15 U	34 U	29 U	28 U	27 U
2-Nitrophenol	--	ug/kg	16 U	31 U	36 U	35 U	34 U	15 U	17 U	38 U	32 U	31 U	30 U
3,3-Dichlorobenzidine	--	ug/kg	64 U	120 U	140 U	140 U	130 U	60 U	66 U	150 U	130 U	120 U	120 U
3+4-Methylphenols	--	ug/kg	18 U	35 U	41 U	40 U	38 U	17 U	19 U	43 U	37 U	35 U	35 U
3-Nitroaniline	--	ug/kg	64 U	120 U	140 U	140 U	130 U	61 U	67 U	150 U	130 U	120 U	120 U
4,6-Dinitro-2-methylphenol	--	ug/kg	23 U	45 U	52 U	51 U	49 U	22 U	24 U	54 U	46 U	45 U	44 U
4-Bromophenyl-phenylether	--	ug/kg	10 U	20 U	24 U	23 U	22 U	9.9 U	11 U	25 U	21 U	20 U	20 U
4-Chloro-3-methylphenol	--	ug/kg	12 U	23 U	27 U	26 U	25 U	11 U	12 U	28 U	24 U	23 U	22 U
4-Chloroaniline	--	ug/kg	150 U	280 U	330 U	320 U	310 U	140 U	150 U	350 U	290 U	290 U	280 U
4-Chlorophenyl-phenylether	--	ug/kg	9.9 U	19 U	22 U	22 U	21 U	9.3 U	10 U	23 U	20 U	19 U	19 U
4-Nitroaniline	--	ug/kg	31 U	60 U	70 U	68 U	65 U	29 U	32 U	73 U	62 U	60 U	59 U
4-Nitrophenol	--	ug/kg	39 U	75 U	88 U	85 U	82 U	37 U	40 U	91 U	78 U	75 U	74 U
Acenaphthene	20,000	ug/kg	100 J	110 J	180 J	19 U	270 J	8.3 U	9.1 U	220 J	310 J	680 J	1,000
Acenaphthylene	100,000	ug/kg	260 J	300 J	1,300	88 J	160 J	11 U	12 U	28 U	220 J	110 J	310 J
Acetophenone	--	ug/kg	21 U	40 U	47 U	46 U	44 U	20 U	22 U	49 U	42 U	40 U	40 U
Anthracene	100,000	ug/kg	260 J	300 J	920	170 J	630 J	52 J	9.9 U	490 J	1,000	1,800	3,300
Atrazine	--	ug/kg	12 U	23 U	27 U	27 U	26 U	11 U	13 U	29 U	24 U	24 U	23 U
Benzaldehyde	--	ug/kg	39 U	75 U	88 U	85 U	82 U	37 U	40 U	92 U	78 U	76 U	74 U
Benzo(a)anthracene	1,000	ug/kg	1,000	1,400	3,600	670 J	2,000	180 J	190 J	1,500	4,100	5,300	7,300 D
Benzo(a)pyrene	1,000	ug/kg	910	1,500	2,700	730 J	1,900	190 J	190 J	1,300	3,200	4,400	5,800
Benzo(b)fluoranthene	1,000	ug/kg	1,100	1,300	2,500	700 J	2,100	170 J	230 J	1,400	3,600	5,200	7,100 D
Benzo(g,h,i)perylene	100,000	ug/kg	400	710 J	1,200	310 J	770 J	150 J	130 J	470 J	1,200	1,500	2,100
Benzo(k)fluoranthene	800	ug/kg	560	1,400	2,400	640 J	1,500	180 J	110 J	1,200	2,800	3,400	3,000
bis(2-Chloroethoxy)methane	--	ug/kg	18 U	35 U	41 U	40 U	38 U	17 U	19 U	43 U	36 U	35 U	35 U
bis(2-Chloroethyl)ether	--	ug/kg	20 U	38 U	44 U	43 U	41 U	19 U	20 U	46 U	39 U	38 U	37 U
bis(2-Ethylhexyl)phthalate	--	ug/kg	300 J	1,400	530 J	1,300	1,300	73 J	330 J	1,600	650 J	460 J	190 J
Butylbenzylphthalate	--	ug/kg	13 U	89 J	30 U	220 J	28 U	13 U	14 U	160 J	130 J	26 U	25 U

See Notes on Page 14.

Table 11. Summary of SVOCs Detected in Surface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SS-36 0 - 0.2 08/24/04	SS-37 0 - 0.2 08/24/04	SS-38 0 - 0.2 08/24/04	SS-39 0 - 0.2 08/24/04	SS-40 0 - 0.2 08/24/04	SS-41 0 - 0.2 08/24/04	SS-42 0 - 0.2 08/24/04	SS-43 0 - 0.2 08/24/04	SS-44 0 - 0.2 08/24/04	SS-45 0 - 0.2 08/24/04	SS-46 0 - 0.2 08/24/04
Semi-Volatile Organic Compounds													
Caprolatam	--	ug/kg	15 U	28 U	33 U	32 U	31 U	14 U	15 U	35 U	29 U	28 U	28 U
Carbazole	--	ug/kg	110 J	130 J	230 J	90 J	350 J	8.3 U	9.1 U	280 J	620 J	940	2,400
Chrysene	1,000	ug/kg	970	1,300	3,300	670 J	2,000	190 J	210 J	1,400	3,500	5,200	7,400 D
Dibenz(a,h)anthracene	330	ug/kg	50 J	94 J	160 J	26 U	96 J	11 U	12 U	27 U	140 J	210 J	260 J
Dibenzofuran	7,000	ug/kg	60 J	25 U	30 U	29 U	140 J	12 U	14 U	95 J	110 J	370 J	350 J
Diethylphthalate	--	ug/kg	12 U	24 U	28 U	27 U	26 U	12 U	13 U	29 U	25 U	24 U	24 U
Dimethylphthalate	--	ug/kg	9.5 U	18 U	21 U	21 U	20 U	9 U	9.9 U	22 U	19 U	18 U	18 U
Di-n-butylphthalate	--	ug/kg	53 J	10 U	12 U	12 U	110 J	5 U	5.5 U	1,400	100 J	10 U	10 U
Di-n-octyl phthalate	--	ug/kg	9.5 U	18 U	21 U	21 U	1,200	9 U	9.9 U	22 U	19 U	18 U	18 U
Fluoranthene	100,000	ug/kg	1,500	2,200	5,100	1,100	3,500	340 J	340 J	2,800	4,300 D	9,600 D	16,000 D
Fluorene	30,000	ug/kg	130 J	130 J	590 J	25 U	280 J	11 U	12 U	210 J	290 J	770	910
Hexachlorobenzene	330	ug/kg	7.5 U	14 U	17 U	16 U	16 U	7 U	7.7 U	18 U	15 U	14 U	14 U
Hexachlorobutadiene	--	ug/kg	14 U	27 U	31 U	31 U	29 U	13 U	14 U	33 U	28 U	27 U	27 U
Hexachlorocyclopentadiene	--	ug/kg	10 U	19 U	22 U	22 U	21 U	9.4 U	10 U	23 U	20 U	19 U	19 U
Hexachloroethane	--	ug/kg	19 U	37 U	43 U	42 U	40 U	18 U	20 U	45 U	38 U	37 U	36 U
Indeno(1,2,3-cd)pyrene	500	ug/kg	300 J	540 J	920	230 J	530 J	110 J	110 J	350 J	840	1,100	1,700
Isophorone	--	ug/kg	15 U	29 U	33 U	32 U	31 U	14 U	15 U	35 U	30 U	29 U	28 U
Naphthalene	12,000	ug/kg	240 J	140 J	640 J	120 J	420 J	8.2 U	9 U	20 U	200 J	400 J	490 J
Nitrobenzene	--	ug/kg	20 U	39 U	46 U	44 U	42 U	19 U	21 U	48 U	40 U	39 U	38 U
N-Nitroso-di-n-propylamine	--	ug/kg	18 U	34 U	40 U	38 U	37 U	17 U	18 U	41 U	35 U	34 U	33 U
N-Nitrosodiphenylamine	--	ug/kg	10 U	19 U	23 U	22 U	21 U	9.5 U	10 U	24 U	20 U	20 U	19 U
Pentachlorophenol	800	ug/kg	12 U	24 U	28 U	27 U	26 U	12 U	13 U	29 U	25 U	24 U	24 U
Phenanthrene	100,000	ug/kg	850	920	3,800	500 J	1,900	180 J	150 J	1,800	3,300	4,400	9,200 D
Phenol	330	ug/kg	17 U	32 U	37 U	36 U	35 U	16 U	17 U	39 U	33 U	32 U	32 U
Pyrene	100,000	ug/kg	1,800	2,300	7,000	1,100	3,500	350 J	350 J	2,800	4,600 D	8,900 D	15,000 D
Total SVOCs	--	ug/kg	11,100 J	16,400 J	37,400 J	8,640 J	24,800 J	2,170 J	2,340 J	19,500 J	35,400 J	55,000 J	84,000 J
BAP Equivalents		ug/kg	1220	1950	3620	916	2490	245	252	1660	4260	5860	7770

See Notes on Page 14.

Table 11. Summary of SVOCs Detected in Surface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Notes:

J = indicates an estimated value.

R = rejected.

D = compounds analyzed at a dilution.

U = indicates the constituent was not detected at the PQL. The value preceding the U indicates the PQL.

UJ = estimated non-detect.

ug/kg = micrograms per kilogram.

bgs = below ground surface.

PQL = practical quantitation limit.

NYCRR = New York State Codes Rules and Regulations.

SCOs = Soil Cleanup Objectives according to 6 NYCRR Subpart 375-6 *Remedial Program Soil Cleanup Objectives*.

-- = no SCO exists for the specified compound.

SVOCs = semi-volatile organic compounds.

Bolded and shaded values exceed the Unrestricted Use SCOs.

For the BAPs, the ND were used at half the detection limit

Table 12. Summary of Inorganics, Cyanide and PCBs Detected in Surface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SS-1 0 - 0.2 06/11/04	SS-2 0 - 0.2 06/11/04	SS-3 0 - 0.2 06/11/04	SS-4 0 - 0.2 06/11/04	SS-5 0 - 0.2 06/09/04	SS-6 0 - 0.2 06/09/04	SS-7 0 - 0.2 06/09/04	SS-8 0 - 0.2 06/09/04	SS-9 0 - 0.2 06/09/04	SS-10 0 - 0.2 06/09/04	SS-11 0 - 0.2 06/09/04	SS-12 0 - 0.2 06/09/04
Metals														
Arsenic	13	mg/kg	13.3	8.8	6.5	10.6	24.1	23.4	32.8	16	25.8	15 [12.3]	32.1	13.2
Barium	350	mg/kg	262	155	183	186	142	129	84.6	215	135	102 [90.7]	94.9	215
Cadmium	2.5	mg/kg	2	2.49	1.52	2.09	1.82	1.58	1.2	1.12	1.66	1.61 [1.25]	1.59	1.96
Chromium	1*	mg/kg	28.5	50.3	19.6	32.6	20.7	23.7	18.3	12.9	23.4	23.1 [18.7]	21.6	30.8
Chromium	30^	mg/kg	28.5	50.3	19.6	32.6	20.7	23.7	18.3	12.9	23.4	23.1 [18.7]	21.6	30.8
Lead	63	mg/kg	252	656	2,640	408	906	188	133	257	135	129 [83.2]	158	255
Mercury	0.18	mg/kg	0.89	0.82	0.86	0.86	0.75 J	0.44 J	0.58 J	0.58 J	0.93 J	0.42 J [0.48 J]	0.47 J	0.59 J
Selenium	3.9	mg/kg	0.833 J	0.968 J	0.357 U	0.803 J	0.342 U	0.461 J	0.335 U	0.343 U	0.471 J	0.364 U [0.344 U]	0.351 U	0.359 U
Silver	2	mg/kg	0.755 J	1.56	0.925 J	1.41	3.63 J	0.341 J	0.476 J	0.282 J	0.786 J	2.26 J [0.722 J]	0.895 J	0.908 J
Cyanide														
Cyanide	27	mg/kg	0.605 U	0.589 U	0.571 U	0.571 U	0.557 U	0.572 U	0.54 U	0.548 U	0.598 U	0.582 U [0.561 U]	0.56 U	0.573 U
PCBs														
Aroclor-1016	--	mg/kg	0.0063 U	0.0061 U	0.0059 U	0.0058 U	0.0057 U	0.0059 U	0.0056 U	0.0057 U	0.0061 U	0.006 U [0.0057 U]	0.0058 U	0.0059 U
Aroclor-1221	--	mg/kg	0.0043 U	0.0042 U	0.004 U	0.004 U	0.0039 U	0.004 U	0.0038 U	0.0039 U	0.0041 U	0.0041 U [0.0039 U]	0.0039 U	0.004 U
Aroclor-1232	--	mg/kg	0.0029 U	0.0028 U	0.0027 U	0.0027 U	0.0026 U	0.0027 U	0.0026 U	0.0026 U	0.0028 U	0.0028 U [0.0027 U]	0.0027 U	0.0027 U
Aroclor-1242	--	mg/kg	0.0037 U	0.0036 U	0.0035 U	0.0034 U	0.0034 U	0.0035 U	0.0033 U	0.0034 U	0.0036 U	0.0036 U [0.0034 U]	0.0034 U	0.0035 U
Aroclor-1248	--	mg/kg	0.0044 U	0.0043 U	0.0041 U	0.0041 U	0.004 U	0.0042 U	0.0039 U	0.004 U	0.0043 U	0.0042 U [0.004 U]	0.004 U	0.0041 U
Aroclor-1254	--	mg/kg	0.0016 U	0.0016 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0014 U	0.0015 U	0.0016 U	0.0016 U [0.0015 U]	0.0015 U	0.0015 U
Aroclor-1260	--	mg/kg	0.0035 U	0.0035 U	0.0033 U	0.0033 U	0.0032 U	0.0034 U	0.0031 U	0.0032 U	0.0034 U	0.0034 U [0.0032 U]	0.0033 U	0.0033 U

See Notes on Page 2.

Table 12. Summary of Inorganics, Cyanide and PCBs Detected in Surface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SS-13 0 - 0.2 06/09/04	SS-14 0 - 0.2 06/09/04	SS-15 0 - 0.2 06/09/04	SS-16 0 - 0.2 06/09/04	SS-17 0 - 0.2 06/09/04	SS-18 0 - 0.2 06/09/04	SS-19 0 - 0.2 06/09/04	SS-20 0 - 0.2 06/09/04	SS-22 0 - 0.2 08/18/04	SS-23 0 - 0.2 08/18/04	SS-24 0 - 0.2 08/18/04	SS-25 0 - 0.2 08/18/04	SS-26 0 - 0.2 08/18/04
Metals															
Arsenic	13	mg/kg	54.4	33.1	46.8	32.3	14.3	7.21	7.98	5.63	8.76 J	10.7 J	12.1 J	15.5 J	6.9 J
Barium	350	mg/kg	61.5	84.1	50.4	137	246	121	99.7	253	82.3	87.7	181	109	105
Cadmium	2.5	mg/kg	1.13	1.38	0.769	1.53	1.96	1.64	1.04	1.37	0.054 U	0.053 U	0.212 J	0.057 U	0.055 U
Chromium	1*	mg/kg	16.7	16.3	14.5	19.2	17.9	19.9	22.5	17.6	26.1 J	35.1 J	34.2 J	22.9 J	23.9 J
Chromium	30^	mg/kg	16.7	16.3	14.5	19.2	17.9	19.9	22.5	17.6	26.1 J	35.1 J	34.2 J	22.9 J	23.9 J
Lead	63	mg/kg	98.8	101	78.8	97.7	578	123	238	265	376	429	711	246	364
Mercury	0.18	mg/kg	0.5 J	0.36 J	0.54 J	0.52 J	1.2 J	0.53 J	0.46 J	0.48 J	0.37 J	0.41 J	0.46 J	0.44 J	0.25 J
Selenium	3.9	mg/kg	0.355 U	0.583 J	1.69	0.35 U	0.344 U	0.564 J	0.554 J	0.864 J	1.84	2.34	2.28	1.49	1.62
Silver	2	mg/kg	0.344 J	0.397 J	0.119 J	0.33 J	3.1 J	0.611 J	0.624 J	0.661 J	0.31 J	0.334 J	0.132 UJ	0.262 J	0.126 UJ
Cyanide															
Cyanide	27	mg/kg	0.568 U	0.597 U	0.577 U	0.559 U	0.556 U	0.551 U	0.529 U	0.561 U	2.93	3.48	0.629 U	0.621 U	0.598 U
PCBs															
Aroclor-1016	- -	mg/kg	0.0059 U	0.0061 U	0.0059 U	0.0057 U	0.0058 U	0.0057 U	0.0055 U	0.0058 U	0.0061 U	0.006 U	0.0064 U	0.0064 U	0.0062 U
Aroclor-1221	- -	mg/kg	0.004 U	0.0042 U	0.004 U	0.0039 U	0.0039 U	0.0039 U	0.0037 U	0.0039 U	0.0042 U	0.0041 U	0.0044 U	0.0044 U	0.0042 U
Aroclor-1232	- -	mg/kg	0.0027 U	0.0028 U	0.0027 U	0.0026 U	0.0027 U	0.0026 U	0.0025 U	0.0027 U	0.0028 U	0.0028 U	0.003 U	0.003 U	0.0029 U
Aroclor-1242	- -	mg/kg	0.0035 U	0.0036 U	0.0035 U	0.0034 U	0.0034 U	0.0034 U	0.0033 U	0.0034 U	0.0036 U	0.0036 U	0.0038 U	0.0038 U	0.0037 U
Aroclor-1248	- -	mg/kg	0.0041 U	0.0043 U	0.0041 U	0.004 U	0.004 U	0.004 U	0.0038 U	0.004 U	0.0043 U	0.0042 U	0.0045 U	0.0045 U	0.0043 U
Aroclor-1254	- -	mg/kg	0.0015 U	0.0016 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0014 U	0.0015 U	0.0016 U	0.0016 U	0.0017 U	0.0017 U	0.0016 U
Aroclor-1260	- -	mg/kg	0.0033 U	0.0035 U	0.0033 U	0.0032 U	0.0033 U	0.0032 U	0.0031 U	0.036	0.041 NJ	0.048 NJ	0.24	0.059	0.065

See Notes on Page 2.

Table 12. Summary of Inorganics, Cyanide and PCBs Detected in Surface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Notes:

J = indicates an estimated value.

U = indicates the constituent was not detected at the PQL. The value preceding the U indicates the PQL.

mg/kg = milligrams per kilogram.

bgs = below ground surface.

PQL = practical quantitation limit.

NYCRR = New York State Codes Rules and Regulations.

SCOs = Soil Cleanup Objectives according to 6 NYCRR Subpart 375-6 *Remedial Program Soil Cleanup Objectives*.

- - = no SCO exists for the specified compound.

PCBs = polychlorinated biphenyls.

* = criterion for hexavalent chromium

^ = criterion for trivalent chromium

Bolded and shaded values exceed the Unrestricted Use SCOs.

Table 13. Summary Statistics for Surface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Analyte	Unrestricted Use SCOs (ug/kg)	Minimum Detected Concentration (ug/kg)	Maximum Detected Concentration (ug/kg)	Total Number of Samples	Number Detected	Frequency of Detects	Number Detected Above SCOs	Frequency of Detects Above SCOs
Volatile Organic Compounds								
Cyclohexane	--	2.2	2.2	26	1	3.85%	--	--
Toluene	700	2.4	2.4	26	1	3.85%	--	--
Total VOCs	--	2.2	2.4	26	2	7.69%	--	--
Semi-Volatile Organic Compounds								
Benzo(a)anthracene	1,000	150	44,000	65	65	100.00%	51	78.46%
Benzo(a)pyrene	1,000	130	35,000	65	65	100.00%	47	72.31%
Benzo(b)fluoranthene	1,000	170	48,000	65	65	100.00%	49	75.38%
Chrysene	1,000	150	42,000	65	65	100.00%	48	73.85%
Fluoranthene	100,000	280	110,000	65	65	100.00%	1	1.54%
Phenanthrene	100,000	100	46,000	65	65	100.00%	--	--
Pyrene	100,000	260	72,000	65	65	100.00%	--	--
Benzo(g,h,i)perylene	100,000	110	9,000	65	63	96.92%	--	--
Benzo(k)fluoranthene	800	67	22,000	65	63	96.92%	44	67.69%
Indeno(1,2,3-cd)pyrene	500	78	6,400	65	61	93.85%	31	47.69%
Anthracene	100,000	52	19,000	65	60	92.31%	--	--
bis(2-Ethylhexyl)phthalate	--	73	6,600	65	55	84.62%	--	--
Naphthalene	12,000	57	4,500	65	49	75.38%	--	--
Carbazole	--	50	7,300	65	46	70.77%	--	--
Fluorene	30,000	40	4,600	65	45	69.23%	--	--
Acenaphthene	20,000	37	2,600	65	43	66.15%	--	--
Acenaphthylene	100,000	41	7,600	65	41	63.08%	--	--
2-Methylnaphthalene	--	51	4,600	65	36	55.38%	--	--
Dibenz(a,h)anthracene	330	36	840	65	27	41.54%	3	4.62%
Dibenzofuran	7,000	55	1,400	65	26	40.00%	--	--
Di-n-butylphthalate	--	34	1,400	65	17	26.15%	--	--
Butylbenzylphthalate	--	40	430	65	9	13.85%	--	--
1,1-Biphenyl	--	790	790	65	1	1.54%	--	--
4-Nitrophenol	--	200	200	65	1	1.54%	--	--
Di-n-octyl phthalate	--	1,200	1,200	65	1	1.54%	--	--
Total SVOCs	--	1,910	469,000	65	65	100.00%	--	--
Inorganics, Cyanide and PCBs								
Arsenic	13,000	5,630	54,400	26	26	100.00%	15	57.69%
Barium	350,000	50,400	262,000	26	26	100.00%	--	--
Chromium	1,000*	12,900	50,300	26	26	100.00%	26	100.00%
Chromium	30,000^	12,900	50,300	26	26	100.00%	5	19.23%
Lead	63,000	78,800	2,640,000	26	26	100.00%	26	100.00%
Mercury	180	250	1,200	26	26	100.00%	26	100.00%
Silver	2,000	119	3,630	26	24	92.31%	3	11.54%
Cadmium	2,500	212	2,490	26	22	84.62%	--	--
Selenium	3,900	461	2,340	26	15	57.69%	--	--
Aroclor-1260	--	36	240	26	6	23.08%	--	--
Cyanide	27,000	2,930	3,480	26	2	7.69%	--	--

Notes:

ug/kg = micrograms per kilogram.

NYCRR = New York State Codes Rules and Regulations.

SCOs = Soil Cleanup Objectives according to 6 NYCRR Subpart 375-6 *Remedial Program Soil Cleanup Objectives*.

PCBs = polychlorinated biphenyls.

* - criterion for hexavalent chromium.

^ - criterion for trivalent chromium.

Compounds are ordered by frequency of detection, beginning with the most frequently detected compounds.

Table 14. Summary of VOCs Detected in Exploratory Test Pit Trenches - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	TT-1 3 - 3.5 08/19/04	TT-2-IN-3 3 - 3.5 08/19/04	TT-2-OUT-3 3 - 3.5 08/19/04	TT-03 2 - 3 05/19/04	TT-04 4 - 5 05/10/04	TT-05 4 - 5 05/18/04	TT-08 3 - 4 05/17/04	TT-9 2 - 3 03/22/04	TT-10 5 - 6 04/27/04	TT-10 7 - 8 04/27/04	TT-11 0 - 1 08/19/04	TT-11 2 - 3 08/19/04
Volatile Organic Compounds														
1,1,1-Trichloroethane	680	ug/kg	3.9 U	0.31 U	0.32 U	0.33 U	0.31 U	0.35 U	0.33 U [0.31 U]	0.29 U	R	3.2 UJ	0.32 U	0.31 U
1,1,2,2-Tetrachloroethane	--	ug/kg	7.7 U	0.6 U	0.63 U	0.65 U	0.6 U	0.69 U	0.65 U [0.61 U]	0.57 U	R	6.2 UJ	0.63 U	0.6 U
1,1,2-Trichloroethane	--	ug/kg	7.3 U	0.57 U	0.6 U	0.62 U	0.57 U	0.66 U	0.62 U [0.58 U]	0.54 U	R	6 UJ	0.6 U	0.57 U
1,1,2-Trichlorotrifluoroethane	--	ug/kg	6.7 U	0.52 U	0.55 U	0.57 U	0.52 U	0.6 U	0.56 U [0.53 U]	0.49 U	R	5.4 UJ	0.55 U	0.52 U
1,1-Dichloroethane	270	ug/kg	5.1 U	0.4 U	0.42 U	0.44 U	0.4 U	0.46 U	0.43 U [0.41 U]	0.38 U	R	4.2 UJ	0.42 U	0.4 U
1,1-Dichloroethene	330	ug/kg	3.1 U	0.24 U	0.26 U	0.27 U	0.24 U	0.28 U	0.26 U [0.25 U]	0.23 U	R	2.5 UJ	0.26 U	0.24 U
1,2,4-Trichlorobenzene	--	ug/kg	3.6 U	0.28 U	0.3 U	0.31 U	0.28 U	0.32 U	0.3 U [0.29 U]	0.27 U	R	2.9 UJ	0.3 U	0.28 U
1,2-Dibromo-3-Chloropropane	--	ug/kg	9.8 U	0.77 U	0.81 U	0.84 U	0.77 U	0.88 U	0.83 U [0.78 U]	0.73 U	R	R	0.81 U	0.77 U
1,2-Dibromoethane	--	ug/kg	6 U	0.47 U	0.5 U	0.51 U	0.47 U	0.54 U	0.51 U [0.48 U]	0.45 U	R	4.9 UJ	0.5 U	0.47 U
1,2-Dichlorobenzene	1,100	ug/kg	5.9 U	0.46 U	0.49 U	0.5 U	0.46 U	0.53 U	0.5 U [0.47 U]	0.44 U	R	4.8 UJ	0.49 U	0.46 U
1,2-Dichloroethane	20	ug/kg	45 U	3.5 U	3.7 U	3.8 U	3.5 U	4 U	3.8 U [3.5 U]	3.3 U	R	36 UJ	3.7 U	3.5 U
1,2-Dichloropropane	--	ug/kg	4.9 U	0.38 U	0.4 U	0.41 U	0.38 U	0.44 U	0.41 U [0.39 U]	0.36 U	R	3.9 UJ	0.4 U	0.38 U
1,3-Dichlorobenzene	2,400	ug/kg	3.1 U	0.24 U	0.25 U	0.26 U	0.24 U	0.27 U	0.26 U [0.24 U]	0.23 U	R	2.5 UJ	0.25 U	0.24 U
1,4-Dichlorobenzene	1,800	ug/kg	5.1 U	0.4 U	0.42 U	0.43 U	0.4 U	0.46 U	0.43 U [0.4 U]	0.38 U	R	4.1 UJ	0.42 U	0.4 U
2-Butanone	120	ug/kg	33 U	R	R	83	2.6 U	3 U	2.8 U [2.6 U]	2.4 U	R	27 UJ	R	R
2-Hexanone	--	ug/kg	46 U	3.6 U	3.8 U	3.9 U	3.6 U	4.2 U	3.9 U [3.7 U]	3.4 U	R	38 UJ	3.8 U	3.6 U
4-Methyl-2-Pentanone	--	ug/kg	35 U	2.7 U	2.9 U	3 U	2.7 U	3.1 U	2.9 U [2.8 U]	2.6 U	R	28 UJ	2.9 U	2.7 U
Acetone	50	ug/kg	1,400 J	R	R	260 J	8.5 U	9.7 U	9.1 U [8.6 U]	8 U	R	88 UJ	R	R
Benzene	60	ug/kg	210 J	0.23 UJ	0.24 UJ	0.25 U	0.23 U	0.26 U	0.25 U [0.23 U]	12	140 J	560 J	0.24 UJ	0.23 UJ
Bromodichloromethane	--	ug/kg	4.8 U	0.38 U	0.4 U	0.41 U	0.38 U	0.43 U	0.41 U [0.38 U]	0.36 U	R	3.9 UJ	0.4 U	0.38 U
Bromoform	--	ug/kg	4.3 U	0.34 U	0.36 U	0.37 U	0.34 U	0.39 U	0.36 U [0.34 U]	0.32 U	R	3.5 UJ	0.36 U	0.34 U
Bromomethane	--	ug/kg	10 U	0.8 U	0.84 U	0.87 U	0.8 U	0.92 U	0.86 U [0.81 U]	0.76 U	R	8.3 UJ	0.84 U	0.8 U
Carbon Disulfide	--	ug/kg	880 J	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U	0.12 U [0.12 U]	0.11 U	R	1.2 UJ	0.12 U	0.11 U
Carbon Tetrachloride	760	ug/kg	4.3 U	0.34 U	0.35 U	0.37 U	0.34 U	0.39 U	0.36 U [0.34 U]	0.32 U	R	3.5 UJ	0.35 U	0.34 U
Chlorobenzene	1,100	ug/kg	5.1 U	0.4 U	0.42 U	0.43 U	0.4 UJ	0.46 U	0.43 U [0.4 U]	0.38 U	R	4.1 UJ	0.42 U	0.4 U
Chloroethane	--	ug/kg	7.6 U	0.6 U	0.62 U	0.65 U	0.6 U	0.68 U	0.64 U [0.6 U]	0.56 U	R	6.2 UJ	0.62 U	0.6 U
Chloroform	370	ug/kg	3.4 U	0.27 U	0.28 U	0.29 U	0.27 U	0.31 U	0.29 U [0.27 U]	0.25 U	R	2.8 UJ	0.28 U	0.27 U
Chloromethane	--	ug/kg	4.8 U	0.38 U	0.39 U	0.41 U	0.38 U	0.43 U	0.4 U [0.38 U]	0.36 U	R	3.9 UJ	0.39 U	0.38 U
cis-1,2-Dichloroethene	250	ug/kg	5.1 U	0.4 U	0.42 U	0.43 U	0.4 U	0.46 U	0.43 U [0.4 U]	0.38 U	R	4.1 UJ	0.42 U	0.4 U
cis-1,3-Dichloropropene	--	ug/kg	2.8 U	0.22 U	0.23 U	0.24 U	0.22 U	0.25 U	0.24 U [0.22 U]	0.21 U	R	2.3 UJ	0.23 U	0.22 U
Cyclohexane	--	ug/kg	4.4 U	0.35 U	0.36 U	0.38 U	0.35 U	0.4 U	0.37 U [0.35 U]	0.33 U	R	3.6 UJ	0.36 U	0.35 U
Dibromochloromethane	--	ug/kg	4.2 U	0.33 U	0.35 U	0.36 U	0.33 U	0.38 U	0.35 U [0.33 U]	0.31 U	R	3.4 UJ	0.35 U	0.33 U
Dichlorodifluoromethane	--	ug/kg	18 U	1.4 U	1.5 U	1.5 U	1.4 U	1.6 U	1.5 U [1.4 U]	1.3 U	R	15 UJ	1.5 U	1.4 U
Ethyl Benzene	1,000	ug/kg	650 J	0.28 U	0.3 U	0.31 U	0.28 U	0.32 U	0.3 U [0.29 U]	2.1 J	50,000 J	9,000 J	0.3 U	0.28 U
Isopropylbenzene	--	ug/kg	1,600 J	0.42 U	0.44 U	0.46 U	0.42 U	0.48 U	0.45 U [0.43 U]	0.4 U	50 UD	490 J	0.44 U	0.42 U
m/p-Xylenes	--	ug/kg	9,300 D	0.58 U	0.61 U	0.63 U	0.58 U	0.67 U	0.63 U [0.59 U]	2.7 J	40,000 J	16,000 J	0.61 U	0.58 U
Methyl Acetate	--	ug/kg	18 U	1.4 U	1.5 U	1.6 U	1.4 U	1.7 U	1.6 U [1.5 U]	1.4 U	R	15 UJ	1.5 U	1.4 U
Methyl Tertiary-Butyl Ether	930	ug/kg	3.3 U	0.26 U	0.27 U	0.28 U	0.26 U	0.3 U	0.28 U [0.26 U]	0.25 U	R	2.7 UJ	0.27 U	0.26 U
Methylcyclohexane	--	ug/kg	120 J	0.4 U	0.42 U	0.44 U	0.4 U	0.46 U	0.43 U [0.41 U]	0.38 U	R	4.2 UJ	0.42 U	0.4 U
Methylene Chloride	50	ug/kg	9.9 U	2.9 J	5.3 J	0.84 U	0.77 U	5.9 J	11 J [7.4 J]	0.73 U	R	8 UJ	0.81 U	0.77 U

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Table 14. Summary of VOCs Detected in Exploratory Test Pit Trenches - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	TT-1 3 - 3.5 08/19/04	TT-2-IN-3 3 - 3.5 08/19/04	TT-2-OUT-3 3 - 3.5 08/19/04	TT-03 2 - 3 05/19/04	TT-04 4 - 5 05/10/04	TT-05 4 - 5 05/18/04	TT-08 3 - 4 05/17/04	TT-9 2 - 3 03/22/04	TT-10 5 - 6 04/27/04	TT-10 7 - 8 04/27/04	TT-11 0 - 1 08/19/04	TT-11 2 - 3 08/19/04
Volatile Organic Compounds														
o-Xylene	--	ug/kg	8,800 D	0.49 U	0.51 U	0.53 U	0.49 U	0.56 U	0.53 U [0.5 U]	0.46 U	34,000 J	15,000 J	0.51 U	0.49 U
Styrene	--	ug/kg	350 J	0.36 U	0.37 U	0.39 U	0.36 U	0.41 U	0.38 U [0.36 U]	1.4 J	500 J	3.7 UJ	0.37 U	0.36 U
t-1,3-Dichloropropene	--	ug/kg	3.7 U	0.29 U	0.3 U	0.32 U	0.29 U	0.33 U	0.31 U [0.29 U]	0.28 U	R	3 UJ	0.3 U	0.29 U
Tetrachloroethene	1,300	ug/kg	9.2 U	0.72 U	0.76 U	0.78 U	0.72 U	0.82 U	0.77 U [0.73 U]	0.68 U	R	7.5 UJ	0.76 U	0.72 U
Toluene	700	ug/kg	1,200 J	0.29 U	0.31 U	0.32 U	0.29 U	0.34 U	0.32 U [0.3 U]	9	1,700 J	10,000 J	0.31 U	0.29 U
trans-1,2-Dichloroethene	190	ug/kg	5.4 U	0.42 U	0.44 U	0.46 U	0.42 U	0.48 U	0.45 U [0.43 U]	0.4 U	R	4.4 UJ	0.44 U	0.42 U
Trichloroethene	470	ug/kg	4.6 U	0.36 U	0.38 U	0.4 U	0.36 U	0.42 U	0.39 U [0.37 U]	0.34 U	R	3.8 UJ	0.38 U	0.36 U
Trichlorofluoromethane	--	ug/kg	36 U	2.8 U	2.9 U	3 U	2.8 U	3.2 U	3 U [2.8 U]	2.6 U	R	29 UJ	2.9 U	2.8 U
Vinyl Chloride	20	ug/kg	3.4 U	0.27 U	0.28 U	0.29 U	0.27 U	0.31 U	0.29 U [0.27 U]	0.25 U	R	2.8 UJ	0.28 U	0.27 U
Total VOCs	--	ug/kg	24,500 J	2.9 J	5.3 J	343 J	ND	5.9 J	11 J [7.4 J]	27.2 J	126,000 J	51,100 J	ND	ND

See Notes on Page 4/23/2008.

Table 14. Summary of VOCs Detected in Exploratory Test Pit Trenches - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	TT-11 3 - 4 08/19/04	TT-13 3 - 4 03/17/04	TT-13 4 - 5 05/14/04	TT-14 3 - 4 05/04/04	TT-15 3 - 4 05/04/04	TT-16 1 - 2 03/29/04	TT-17 6 - 7 04/30/04	TT-18 3 - 4 03/18/04	TT-19 3 - 4 04/26/04	TT-19 6 - 7 04/26/04	TT-21 5 - 6 04/28/04	TT-22 3 - 4 04/29/04
Volatile Organic Compounds														
1,1,1-Trichloroethane	680	ug/kg	0.31 U	0.32 U	0.33 U	0.31 UJ	0.4 U	0.31 U	0.29 U	0.33 U	0.32 UJ	0.32 UJ	0.33 UJ	0.3 U
1,1,2,2-Tetrachloroethane	--	ug/kg	0.6 U	0.62 U	0.65 U	0.6 UJ	0.79 U	0.6 U	0.57 U	0.64 U	0.63 UJ	0.63 UJ	0.65 UJ	0.58 U
1,1,2-Trichloroethane	--	ug/kg	0.57 U	0.6 U	0.62 U	0.57 UJ	0.76 U	0.57 U	0.54 U	0.61 U	0.6 UJ	0.6 UJ	0.62 UJ	0.56 U
1,1,2-Trichlorotrifluoroethane	--	ug/kg	0.52 U	0.54 U	0.57 U	0.52 UJ	0.69 U	0.52 U	0.49 U	0.55 U	0.55 UJ	0.55 UJ	0.57 UJ	0.5 U
1,1-Dichloroethane	270	ug/kg	0.4 U	0.42 U	0.44 U	0.4 UJ	0.53 U	0.4 U	0.38 U	0.43 U	0.42 UJ	0.42 UJ	0.44 UJ	0.39 U
1,1-Dichloroethene	330	ug/kg	0.24 U	0.25 U	0.27 U	0.24 UJ	0.32 U	0.24 U	0.23 U	0.26 U	0.26 UJ	0.26 UJ	0.27 UJ	0.24 U
1,2,4-Trichlorobenzene	--	ug/kg	0.28 U	0.29 U	0.31 U	0.28 UJ	0.37 U	0.28 U	0.27 U	0.3 U	0.3 UJ	0.3 UJ	0.31 UJ	0.27 U
1,2-Dibromo-3-Chloropropane	--	ug/kg	0.77 U	0.8 U	0.84 U	0.77 UJ	1 U	0.77 U	0.73 U	0.82 U	R	R	0.84 UJ	0.74 U
1,2-Dibromoethane	--	ug/kg	0.47 U	0.49 U	0.51 U	0.47 UJ	0.62 U	0.47 U	0.45 U	0.5 U	0.5 UJ	0.5 UJ	0.51 UJ	0.46 U
1,2-Dichlorobenzene	1,100	ug/kg	0.46 U	0.48 U	0.5 U	0.46 UJ	0.61 U	0.46 U	0.44 U	0.49 U	0.49 UJ	0.49 UJ	0.5 UJ	0.45 U
1,2-Dichloroethane	20	ug/kg	3.5 U	3.6 U	3.8 U	3.5 UJ	4.6 U	3.5 U	3.3 U	3.7 U	3.7 UJ	3.7 UJ	3.8 UJ	3.4 U
1,2-Dichloropropane	--	ug/kg	0.38 U	0.39 U	0.41 U	0.38 UJ	0.5 U	0.38 U	0.36 U	0.4 U	0.4 UJ	0.4 UJ	0.41 UJ	0.37 U
1,3-Dichlorobenzene	2,400	ug/kg	0.24 U	0.25 U	0.26 U	0.24 UJ	0.31 U	0.24 U	0.23 U	0.25 U	0.25 UJ	0.25 UJ	0.26 UJ	0.23 U
1,4-Dichlorobenzene	1,800	ug/kg	0.4 U	0.41 U	0.43 U	0.4 UJ	0.52 U	0.4 U	0.38 U	0.42 U	0.42 UJ	0.42 UJ	0.43 UJ	0.39 U
2-Butanone	120	ug/kg	2.6 U	2.7 U	2.8 U	2.6 UJ	3.4 U	2.6 U	2.4 U	2.7 U	2.7 UJ	2.7 UJ	2.8 UJ	2.5 U
2-Hexanone	--	ug/kg	3.6 U	3.8 U	3.9 U	R	4.8 U	3.6 U	R	3.9 U	3.8 UJ	3.8 UJ	3.9 UJ	R
4-Methyl-2-Pentanone	--	ug/kg	2.7 U	2.8 U	3 U	2.7 UJ	3.6 U	2.7 U	2.6 U	2.9 U	2.9 UJ	2.9 UJ	3 UJ	2.6 U
Acetone	50	ug/kg	8.5 U	8.8 U	9.2 U	8.5 UJ	11 U	110 J	8 U	9 U	8.9 UJ	8.9 UJ	9.2 UJ	8.2 U
Benzene	60	ug/kg	0.23 UJ	0.24 U	0.25 U	0.23 UJ	0.3 U	14	0.22 U	3.1 J	0.24 UJ	0.24 UJ	0.25 UJ	0.22 U
Bromodichloromethane	--	ug/kg	0.38 U	0.39 U	0.41 U	0.38 UJ	0.5 U	0.38 U	0.36 U	0.4 U	0.4 UJ	0.4 UJ	0.41 UJ	0.37 U
Bromoform	--	ug/kg	0.34 U	0.35 U	0.37 U	0.34 UJ	0.45 U	0.34 U	0.32 U	0.36 U	0.36 UJ	0.36 UJ	0.37 UJ	0.33 U
Bromomethane	--	ug/kg	0.8 U	0.83 U	0.87 U	0.8 UJ	1.1 U	0.8 U	0.76 U	0.85 U	0.84 UJ	0.84 UJ	0.87 UJ	0.78 U
Carbon Disulfide	--	ug/kg	0.11 U	0.12 U	0.12 U	0.11 UJ	0.15 U	6.9 J	0.11 U	0.12 U	0.12 UJ	0.12 UJ	0.12 UJ	0.11 U
Carbon Tetrachloride	760	ug/kg	0.34 U	0.35 U	0.37 U	0.34 UJ	0.44 U	0.34 U	0.32 U	0.36 U	0.35 UJ	0.35 UJ	0.37 UJ	0.33 U
Chlorobenzene	1,100	ug/kg	0.4 U	0.41 U	0.43 U	0.4 UJ	0.53 UJ	0.4 U	0.38 U	0.42 U	0.42 UJ	0.42 UJ	0.43 UJ	0.39 U
Chloroethane	--	ug/kg	0.6 U	0.62 U	0.65 U	0.6 UJ	0.78 U	0.6 U	0.56 U	0.63 U	0.62 UJ	0.62 UJ	0.65 UJ	0.58 U
Chloroform	370	ug/kg	0.27 U	0.28 U	0.29 U	0.27 UJ	0.35 U	0.27 U	0.25 U	0.29 U	0.28 UJ	0.28 UJ	0.29 UJ	0.26 U
Chloromethane	--	ug/kg	0.38 U	0.39 U	0.41 U	0.38 UJ	0.49 U	0.38 U	0.36 U	0.4 U	0.39 UJ	0.39 UJ	0.41 UJ	0.36 U
cis-1,2-Dichloroethene	250	ug/kg	0.4 U	0.41 U	0.43 U	0.4 UJ	0.53 U	0.4 U	0.38 U	0.42 U	0.42 UJ	0.42 UJ	0.43 UJ	0.39 U
cis-1,3-Dichloropropene	--	ug/kg	0.22 U	0.23 U	0.24 U	0.22 UJ	0.29 U	0.22 U	0.21 U	0.23 U	0.23 UJ	0.23 UJ	0.24 UJ	0.21 U
Cyclohexane	--	ug/kg	0.35 U	0.36 U	0.38 U	0.35 UJ	0.46 U	0.35 U	0.33 U	0.37 U	0.36 UJ	0.36 UJ	0.38 UJ	0.34 U
Dibromochloromethane	--	ug/kg	0.33 U	0.34 U	0.36 U	0.33 UJ	0.43 U	0.33 U	0.31 U	0.35 U	0.35 UJ	0.35 UJ	0.36 UJ	0.32 U
Dichlorodifluoromethane	--	ug/kg	1.4 U	1.5 U	1.5 U	1.4 UJ	1.8 U	1.4 U	1.3 U	1.5 U	1.5 UJ	1.5 UJ	1.5 UJ	1.4 U
Ethyl Benzene	1,000	ug/kg	0.28 U	0.29 U	0.31 U	0.28 UJ	0.37 U	950	0.27 U	0.3 U	0.3 UJ	0.3 UJ	0.31 UJ	0.27 U
Isopropylbenzene	--	ug/kg	0.42 U	0.44 U	0.46 U	0.42 UJ	0.55 U	130	0.4 U	0.45 U	0.44 UJ	0.44 UJ	0.46 UJ	0.41 U
m/p-Xylenes	--	ug/kg	0.58 U	0.6 U	0.63 U	0.58 UJ	0.77 U	780	0.55 U	2.1 J	0.61 UJ	0.61 UJ	0.63 UJ	0.56 U
Methyl Acetate	--	ug/kg	1.4 U	1.5 U	1.6 U	R	1.9 U	1.4 U	R	1.5 U	1.5 UJ	1.5 UJ	1.6 UJ	R
Methyl Tertiary-Butyl Ether	930	ug/kg	0.26 U	0.27 U	0.28 U	0.26 UJ	0.34 U	0.26 U	0.25 U	0.28 U	0.27 UJ	0.27 UJ	0.28 UJ	0.25 U
Methylcyclohexane	--	ug/kg	0.4 U	0.42 U	0.44 U	0.4 UJ	0.53 U	0.4 U	0.38 U	0.43 U	0.42 UJ	0.42 UJ	0.44 UJ	0.39 U
Methylene Chloride	50	ug/kg	0.77 U	0.8 U	0.84 U	0.77 UJ	1 U	5.6 U	0.73 U	0.82 U	0.81 UJ	0.81 UJ	0.84 UJ	0.75 U

See Notes on Page 4/23/2008.

Table 14. Summary of VOCs Detected in Exploratory Test Pit Trenches - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	TT-11 3 - 4 08/19/04	TT-13 3 - 4 03/17/04	TT-13 4 - 5 05/14/04	TT-14 3 - 4 05/04/04	TT-15 3 - 4 05/04/04	TT-16 1 - 2 03/29/04	TT-17 6 - 7 04/30/04	TT-18 3 - 4 03/18/04	TT-19 3 - 4 04/26/04	TT-19 6 - 7 04/26/04	TT-21 5 - 6 04/28/04	TT-22 3 - 4 04/29/04
Volatile Organic Compounds														
o-Xylene	--	ug/kg	0.49 U	0.51 U	0.53 U	0.49 UJ	0.64 U	770	0.46 U	0.52 U	0.51 UJ	0.51 UJ	0.53 UJ	0.47 U
Styrene	--	ug/kg	0.36 U	0.37 U	0.39 U	0.36 UJ	0.47 U	0.36 U	0.34 U	8.1	0.37 UJ	0.37 UJ	0.39 UJ	0.34 U
t-1,3-Dichloropropene	--	ug/kg	0.29 U	0.3 U	0.32 U	0.29 UJ	0.38 U	0.29 U	0.28 U	0.31 U	0.3 UJ	0.3 UJ	0.32 UJ	0.28 U
Tetrachloroethene	1,300	ug/kg	0.72 U	0.75 U	0.78 U	0.72 UJ	0.95 U	0.72 U	0.68 U	0.77 U	0.76 UJ	0.76 UJ	0.78 UJ	0.7 U
Toluene	700	ug/kg	0.29 U	0.3 U	0.32 U	0.29 UJ	0.39 U	16	0.28 U	2.8 J	0.31 UJ	0.31 UJ	0.32 UJ	0.28 U
trans-1,2-Dichloroethene	190	ug/kg	0.42 U	0.44 U	0.46 U	0.42 UJ	0.55 U	0.42 U	0.4 U	0.45 U	0.44 UJ	0.44 UJ	0.46 UJ	0.41 U
Trichloroethene	470	ug/kg	0.36 U	0.38 U	0.4 U	0.36 UJ	0.48 U	0.36 U	0.34 U	0.39 U	0.38 UJ	0.38 UJ	0.4 UJ	0.35 U
Trichlorofluoromethane	--	ug/kg	2.8 U	2.9 U	3 U	2.8 UJ	3.7 U	2.8 U	2.6 U	3 U	2.9 UJ	2.9 UJ	3 UJ	2.7 U
Vinyl Chloride	20	ug/kg	0.27 U	0.28 U	0.29 U	0.27 UJ	0.35 U	0.27 U	0.25 U	0.28 U	0.28 UJ	0.28 UJ	0.29 UJ	0.26 U
Total VOCs	--	ug/kg	ND	ND	ND	ND	ND	2,780 J	ND	16.1 J	ND	ND	ND	ND

See Notes on Page 4/23/2008.

Table 14. Summary of VOCs Detected in Exploratory Test Pit Trenches - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Notes:

J = indicates an estimated value.

ND = not detected

R = rejected

D = compounds analyzed at a dilution

U = indicates the constituent was not detected at the PQL. The value preceding the U indicates the PQL.

UJ = estimated non-detect.

ug/kg = micrograms per kilogram

bgs = below ground surface

PQL = practical quantitation limit

NYCRR = New York State Codes Rules and Regulations.

SCOs = Soil Cleanup Objectives according to 6 NYCRR Subpart 375-6 *Remedial Program Soil Cleanup Objectives*.

-- = no SCO exists for the specified compound.

VOCs = volatile organic compounds

Bolded and shaded values exceed the Unrestricted Use SCOs.

Table 15. Summary of SVOCs Detected in Exploratory Test Pit Trenches - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	TT-1 3 - 3.5 08/19/04	TT-2-IN-3 3 - 3.5 08/19/04	TT-2-OUT-3 3 - 3.5 08/19/04	TT-03 2 - 3 05/19/04	TT-04 4 - 5 05/10/04	TT-05 4 - 5 05/18/04	TT-08 3 - 4 05/17/04	TT-9 2 - 3 03/22/04	TT-10 5 - 6 04/27/04	TT-10 7 - 8 04/27/04	TT-11 0 - 1 08/19/04	TT-11 2 - 3 08/19/04	TT-11 3 - 4 08/19/04	TT-13 3 - 4 03/17/04
Semivolatiles																
1,1-Biphenyl	--	ug/kg	8,700	22 U	120 J	120 U	11 U	130 U	600 U [560 U]	210 U	3,900 J	8,400	23 U	11 U	11 U	1,100 U
2,2-oxybis(1-Chloropropane)	--	ug/kg	260 U	40 U	42 U	220 U	20 U	230 U	1,100 U [1,000 U]	380 U	430 U	420 U	42 U	20 U	20 U	2,100 U
2,4,5-Trichlorophenol	--	ug/kg	320 U	49 U	51 U	270 UJ	25 U	280 UJ	1,300 UJ [1,300 UJ]	470 U	530 U	510 U	51 U	25 U	25 U	2,500 U
2,4,6-Trichlorophenol	--	ug/kg	170 U	27 U	28 U	150 UJ	13 U	150 UJ	730 UJ [690 UJ]	260 U	290 U	280 U	28 U	14 U	14 U	1,400 U
2,4-Dichlorophenol	--	ug/kg	170 U	26 U	27 U	140 UJ	13 U	150 UJ	710 UJ [660 UJ]	250 U	280 U	270 U	27 U	13 U	13 U	1,300 U
2,4-Dimethylphenol	--	ug/kg	260 U	40 U	42 U	220 UJ	20 U	230 UJ	1,100 UJ [1,000 UJ]	380 U	430 U	420 U	42 U	20 U	20 U	2,100 U
2,4-Dinitrophenol	--	ug/kg	210 UJ	33 UJ	34 UJ	180 UJ	16 U	190 UJ	890 UJ [830 UJ]	310 U	350 UJ	340 UJ	34 UJ	16 UJ	17 UJ	1,700 U
2,4-Dinitrotoluene	--	ug/kg	95 U	15 U	16 U	81 UJ	7.4 U	85 UJ	400 UJ [380 UJ]	140 U	4,000 J	7,300 J	15 U	7.4 U	7.5 U	760 U
2,6-Dinitrotoluene	--	ug/kg	200 U	32 U	33 U	170 UJ	16 U	180 UJ	860 UJ [800 UJ]	300 U	340 U	330 U	33 U	16 U	16 U	1,600 U
2-Chloronaphthalene	--	ug/kg	99 U	16 U	16 U	84 UJ	7.7 U	89 UJ	420 UJ [390 UJ]	150 U	170 U	160 U	16 U	7.8 U	7.8 U	800 U
2-Chlorophenol	--	ug/kg	210 U	32 U	34 U	170 UJ	16 U	180 UJ	870 UJ [820 UJ]	310 U	340 U	330 U	34 U	16 U	16 U	1,700 U
2-Methylnaphthalene	--	ug/kg	150,000 D	96 J	1,100	560 J	6.4 U	560 J	350 U [330 U]	120 U	61,000	68,000	190 J	62 J	6.5 U	7,500 J
2-Methylphenol	330	ug/kg	300 U	47 U	49 U	260 UJ	23 U	270 UJ	1,300 UJ [1,200 UJ]	450 U	500 U	490 U	49 U	24 U	24 U	2,400 U
2-Nitroaniline	--	ug/kg	170 U	27 U	28 U	150 UJ	13 U	150 UJ	730 UJ [690 UJ]	260 U	290 U	280 U	28 U	14 U	14 U	1,400 U
2-Nitrophenol	--	ug/kg	190 U	30 U	31 U	160 UJ	15 U	170 UJ	810 UJ [760 UJ]	280 U	320 U	310 U	31 U	15 U	15 U	1,500 U
3,3-Dichlorobenzidine	--	ug/kg	760 U	120 U	120 U	650 UJ	60 U	680 UJ	3,200 UJ [3,000 UJ]	1,100 U	1,300 U	1,200 U	120 U	60 U	60 U	6,100 U
3+4-Methylphenols	--	ug/kg	220 U	34 U	36 U	190 UJ	17 U	200 UJ	930 UJ [870 UJ]	320 U	370 U	350 U	36 U	17 U	17 U	1,800 U
3-Nitroaniline	--	ug/kg	770 U	120 U	130 U	650 UJ	60 U	690 UJ	3,300 UJ [3,000 UJ]	1,100 U	1,300 U	1,200 U	130 U	60 U	61 U	6,200 U
4,6-Dinitro-2-methylphenol	--	ug/kg	280 UJ	43 UJ	45 UJ	230 UJ	22 U	250 UJ	1,200 UJ [1,100 UJ]	410 U	460 U	450 U	45 UJ	22 UJ	22 UJ	2,200 U
4-Bromophenyl-phenylether	--	ug/kg	130 U	20 U	20 U	110 UJ	9.8 U	110 UJ	530 UJ [500 UJ]	190 U	210 U	200 U	20 U	9.8 U	9.9 U	1,000 U
4-Chloro-3-methylphenol	--	ug/kg	140 U	22 U	23 U	120 UJ	11 U	130 UJ	600 UJ [560 UJ]	210 U	240 U	230 U	23 U	11 U	11 U	1,100 U
4-Chloroaniline	--	ug/kg	1,800 U	280 U	290 U	1,500 UJ	140 U	1,600 UJ	7,500 UJ [7,000 UJ]	2,600 U	2,900 U	2,900 U	290 U	140 U	140 U	14,000 U
4-Chlorophenyl-phenylether	--	ug/kg	120 U	18 U	19 U	100 UJ	9.2 U	110 UJ	500 UJ [470 UJ]	170 U	200 U	190 U	19 U	9.2 U	9.3 U	950 U
4-Nitroaniline	--	ug/kg	370 U	58 U	61 U	320 UJ	29 U	330 UJ	1,600 UJ [1,500 UJ]	550 U	620 UJ	600 UJ	61 U	29 U	29 U	3,000 U
4-Nitrophenol	--	ug/kg	460 U	73 U	76 U	400 U	36 U	420 U	2,000 U [1,800 U]	690 U	780 U	750 U	76 U	36 U	37 U	3,700 U
Acenaphthene	20,000	ug/kg	2,300 J	110 J	110 J	89 U	8.2 U	1,900 J	440 U [420 U]	160 U	2,800 J	11,000	120 J	8.2 U	8.3 U	4,100 J
Acenaphthylene	100,000	ug/kg	140 U	120 J	1,100	120 U	11 U	450 J	4,000 J [4,000 J]	210 U	10,000	8,500	370 J	110 J	11 U	17,000 J
Acetophenone	--	ug/kg	250 U	39 U	41 U	210 U	19 U	220 U	1,100 U [990 U]	370 U	420 U	400 U	41 U	19 U	20 U	2,000 U
Anthracene	100,000	ug/kg	1,300 J	310 J	470 J	97 U	8.9 U	7,700	2,400 J [2,400 J]	170 U	9,600	19,000	450 J	92 J	9 U	14,000 J
Atrazine	--	ug/kg	150 U	23 U	24 U	120 U	11 U	130 U	620 U [580 U]	220 U	240 U	240 U	24 U	11 U	11 U	1,200 U
Benzaldehyde	--	ug/kg	470 U	73 U	76 U	400 U	36 U	420 U	2,000 U [1,800 U]	690 U	780 U	760 U	76 U	36 U	37 U	3,800 U
Benzo(a)anthracene	1,000	ug/kg	1,600 J	1,700	2,900	580 J	250 J	23,000	18,000 J [15,000 J]	110 U	10,000	17,000	2,200	410	53 J	46,000
Benzo(a)pyrene	1,000	ug/kg	1,600 J	1,600	3,300	790 J	360 J	21,000	24,000 [23,000]	120 U	8,100	11,000	2,200	340 J	63 J	45,000
Benzo(b)fluoranthene	1,000	ug/kg	1,500 J	2,000	3,700	1,000 J	500	26,000	28,000 [29,000]	380 U	8,300	12,000	2,200	280 J	49 J	42,000
Benzo(g,h,i)perylene	100,000	ug/kg	750 J	730 J	1,800	180 U	310 J	6,100	6,800 J [6,900 J]	310 U	1,700 J	2,100 J	1,100	200 J	64 J	18,000 J
Benzo(k)fluoranthene	800	ug/kg	1,700 J	880 J	2,200 J	530 J	150 J	11,000	19,000 J [14,000 J]	240 U	3,300 J	5,100 J	2,000 J	330 J	66 J	20,000 J
bis(2-Chloroethoxy)methane	--	ug/kg	220 U	34 U	35 U	180 UJ	17 U	190 UJ	920 UJ [860 UJ]	320 U	360 U	350 U	35 U	17 U	17 U	1,700 U
bis(2-Chloroethyl)ether	--	ug/kg	230 U	37 U	38 U	200 U	18 U	210 U	990 U [930 U]	350 U	390 U	380 U	38 U	18 U	18 U	1,900 U
bis(2-Ethylhexyl)phthalate	--	ug/kg	110 U	17 U	18 U	93 U	84 J	98 U	460 U [430 U]	160 U	180 U	180 U	130 J	160 J	8.6 U	880 U
Butylbenzylphthalate	--	ug/kg	160 U	25 U	26 U	140 U	12 U	140 U	680 U [630 U]	240 U	270 U	260 U	26 U	12 U	13 U	1,300 U
Caprolatam	--	ug/kg	180 U	27 U	29 U	150 U	14 U	160 U	740 U [700 U]	260 U	290 U	280 U	29 U	14 U	14 U	1,400 U
Carbazole	--	ug/kg	110 U	100 J	98 J	89 UJ	8.2 U	860 J	440 UJ [420 UJ]	160 U	180 UJ	4,700 J	150 J	8.2 U	8.3 U	850 U
Chrysene	1,000	ug/kg	1,800 J	1,500	2,600	780 J	270 J	22,000	18,000 J [17,000 J]	220 U	8,700	14,000	2,100	450	60 J	47,000
Dibenz(a,h)anthracene	330	ug/kg	140 U	94 J	200 J	120 UJ	71 J	790 J	590 UJ [550 UJ]	210 U	230 U	900 J	130 J	40 J	11 U	1,100 U
Dibenzofuran	7,000	ug/kg	4,700 J	25 U	110 J	130 U	12 U	950 J	660 U [620 U]	230 U	1,800 J	12,000	90 J	12 U	12 U	1,300 U
Diethylphthalate	--	ug/kg	150 U	23 U	24 U	130 U	48 J	130 U	630 U [590 U]	220 U	250 U	240 U	24 U	12 U	12 U	1,200 U
Dimethylphthalate	--	ug/kg	110 U	18 U	19 U	97 UJ	8.9 U	100 UJ	480 UJ [450 UJ]	170 U	190 U	180 U	19 U	8.9 U	9 U	910 U
Di-n-butylphthalate	--	ug/kg	63 U	9.9 U	10 U	21,000 J	790	3,500 J	270 U [250 U]	94 U	110 U	100 U	10 U	5 U	5 U	510 U

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Table 15. Summary of SVOCs Detected in Exploratory Test Pit Trenches - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	TT-1 3 - 3.5 08/19/04	TT-2-IN-3 3 - 3.5 08/19/04	TT-2-OUT-3 3 - 3.5 08/19/04	TT-03 2 - 3 05/19/04	TT-04 4 - 5 05/10/04	TT-05 4 - 5 05/18/04	TT-08 3 - 4 05/17/04	TT-9 2 - 3 03/22/04	TT-10 5 - 6 04/27/04	TT-10 7 - 8 04/27/04	TT-11 0 - 1 08/19/04	TT-11 2 - 3 08/19/04	TT-11 3 - 4 08/19/04	TT-13 3 - 4 03/17/04
Semivolatiles																
Di-n-octyl phthalate	--	ug/kg	110 U	18 U	19 U	97 U	8.9 U	100 U	480 U [450 U]	170 U	190 U	180 U	19 U	8.9 U	9 U	910 U
Fluoranthene	100,000	ug/kg	3,800 J	2,700	3,400	1,100 J	110 J	150,000	26,000 [23,000]	98 U	16,000	33,000	3,000	670	82 J	70,000 J
Fluorene	30,000	ug/kg	5,700	75 J	220 J	110 U	11 U	1,800 J	570 U [540 U]	200 U	13,000	29,000	150 J	62 J	11 U	6,900 J
Hexachlorobenzene	330	ug/kg	89 U	14 U	15 U	76 UJ	7 U	80 UJ	380 UJ [350 UJ]	130 U	150 U	140 U	15 U	7 U	7 U	720 U
Hexachlorobutadiene	--	ug/kg	170 U	26 U	27 U	140 U	13 U	150 U	710 U [660 U]	250 U	280 U	270 U	27 U	13 U	13 U	1,300 U
Hexachlorocyclopentadiene	--	ug/kg	R	R	R	100 UJ	9.3 U	110 UJ	510 UJ [470 UJ]	180 U	200 U	190 U	R	R	R	960 U
Hexachloroethane	--	ug/kg	230 U	36 U	37 U	190 U	18 U	200 U	960 U [900 U]	340 U	380 U	370 U	37 U	18 U	18 U	1,800 U
Indeno(1,2,3-cd)pyrene	500	ug/kg	500 J	560 J	1,200 J	98 UJ	250 J	4,600 UJ	4,200 J [4,100 J]	170 U	1,200 J	1,600 J	870 J	170 J	46 J	13,000 J
Isophorone	--	ug/kg	180 U	28 U	29 U	150 U	14 U	160 U	750 U [700 U]	260 U	300 U	290 U	29 U	14 U	14 U	1,400 U
Naphthalene	12,000	ug/kg	270,000 D	220 J	1,900	470 J	88 J	880 J	440 U [2,300 J]	1,600 J	81,000	310,000	460 J	81 J	8.2 U	13,000 J
Nitrobenzene	--	ug/kg	240 U	38 U	39 U	210 UJ	19 U	220 UJ	1,000 UJ [960 UJ]	360 U	400 U	390 U	39 U	19 U	19 U	1,900 U
N-Nitroso-di-n-propylamine	--	ug/kg	210 U	33 U	34 U	180 U	16 U	190 U	890 U [830 U]	310 U	350 U	340 U	34 U	16 U	17 U	1,700 U
N-Nitrosodiphenylamine	--	ug/kg	120 U	19 U	20 U	100 UJ	9.4 U	110 UJ	510 UJ [480 UJ]	180 U	200 U	200 U	20 U	9.5 U	9.5 U	970 U
Pentachlorophenol	800	ug/kg	150 U	23 U	24 U	130 UJ	12 U	130 UJ	630 UJ [590 UJ]	220 U	250 U	240 U	24 U	12 U	12 U	1,200 U
Phenanthrene	100,000	ug/kg	5,400	980	1,300	630 J	47 J	39,000 UJ	2,100 J [2,800 J]	160 U	35,000	68,000	1,400	590	42 J	54,000
Phenol	330	ug/kg	200 U	31 U	32 U	170 U	15 U	180 U	840 U [790 U]	290 U	330 U	320 U	32 U	16 U	16 U	1,600 U
Pyrene	100,000	ug/kg	4,700 J	2,900	4,200	1,300 J	170 J	130,000	37,000 [30,000]	130 U	32,000	39,000	3,300	880	93 J	10,000 J
Total SVOCs	--	ug/kg	466,000 J	16,700 J	32,000 J	28,700 J	3,500 J	408,000 J	190,000 J [174,000 J]	1,600 J	311,000 J	682,000 J	22,600 J	4,930 J	618 J	428,000 J

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Table 15. Summary of SVOCs Detected in Exploratory Test Pit Trenches - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	TT-13 4 - 5 05/14/04	TT-14 3 - 4 05/04/04	TT-15 3 - 4 05/04/04	TT-16 1 - 2 03/29/04	TT-17 6 - 7 04/30/04	TT-18 3 - 4 03/18/04	TT-19 3 - 4 04/26/04	TT-19 6 - 7 04/26/04	TT-21 5 - 6 04/28/04	TT-22 3 - 4 04/29/04
Semivolatiles												
1,1-Biphenyl	--	ug/kg	600 U	370 J	73 U	9,100	10 U	1,200 U	11 U	12 U	24 U	11 U
2,2-oxybis(1-Chloropropane)	--	ug/kg	1,100 U	200 U	130 U	400 U	19 U	2,100 U	21 U	21 U	44 U	19 U
2,4,5-Trichlorophenol	--	ug/kg	1,300 U	250 U	160 U	490 U	23 U	2,600 U	26 U	26 U	54 U	24 U
2,4,6-Trichlorophenol	--	ug/kg	730 U	130 U	89 U	270 U	13 U	1,400 U	14 U	14 U	29 U	13 U
2,4-Dichlorophenol	--	ug/kg	710 U	130 U	86 U	260 U	12 U	1,400 U	14 U	14 U	28 U	13 U
2,4-Dimethylphenol	--	ug/kg	1,100 U	200 U	130 U	400 U	19 U	2,100 U	21 U	21 U	44 U	19 U
2,4-Dinitrophenol	--	ug/kg	890 U	160 U	110 U	330 U	16 U	1,800 U	17 UJ	17 UJ	36 UJ	16 U
2,4-Dinitrotoluene	--	ug/kg	400 U	74 U	49 U	150 U	7 U	790 U	7.7 U	7.8 U	16 U	7.2 U
2,6-Dinitrotoluene	--	ug/kg	860 U	160 U	100 U	320 U	15 U	1,700 U	17 U	17 U	35 U	15 U
2-Chloronaphthalene	--	ug/kg	420 U	77 U	51 U	160 U	7.4 U	830 U	8.1 U	8.2 U	17 U	7.5 U
2-Chlorophenol	--	ug/kg	870 U	160 U	110 U	320 U	15 U	1,700 U	17 U	17 U	35 U	16 U
2-Methylnaphthalene	--	ug/kg	9,600 J	8,200	260 J	6,100 J	40 J	680 U	77 J	6.8 U	14 U	60 J
2-Methylphenol	330	ug/kg	1,300 U	230 U	150 U	470 U	22 U	2,500 U	25 U	25 U	51 U	23 U
2-Nitroaniline	--	ug/kg	730 U	130 U	89 U	270 U	13 U	1,400 U	14 U	14 U	29 U	13 U
2-Nitrophenol	--	ug/kg	810 U	150 U	98 U	300 U	14 U	1,600 U	16 U	16 U	33 U	14 U
3,3-Dichlorobenzidine	--	ug/kg	3,200 U	600 U	390 U	1,200 U	57 U	6,400 U	62 U	63 U	130 U	58 U
3+4-Methylphenols	--	ug/kg	930 U	170 U	110 U	340 U	16 U	1,800 U	18 U	18 U	37 U	17 U
3-Nitroaniline	--	ug/kg	3,300 U	600 U	400 U	1,200 U	57 U	6,400 U	63 U	63 U	130 U	58 U
4,6-Dinitro-2-methylphenol	--	ug/kg	1,200 U	220 U	140 U	430 U	20 U	2,300 U	23 U	23 U	47 U	21 U
4-Bromophenyl-phenylether	--	ug/kg	530 U	97 U	64 U	200 U	9.3 U	1,000 U	10 U	10 U	21 U	9.5 U
4-Chloro-3-methylphenol	--	ug/kg	600 U	110 U	73 U	220 U	10 U	1,200 U	11 U	12 U	24 U	11 U
4-Chloroaniline	--	ug/kg	7,500 U	1,400 U	910 U	2,800 U	130 U	15,000 U	140 U	150 U	300 U	130 U
4-Chlorophenyl-phenylether	--	ug/kg	500 U	92 U	61 U	190 U	8.7 U	980 U	9.6 U	9.7 U	20 U	8.9 U
4-Nitroaniline	--	ug/kg	1,600 U	290 U	190 U	590 U	28 U	3,100 U	30 UJ	31 UJ	64 UJ	28 U
4-Nitrophenol	--	ug/kg	2,000 U	360 U	240 U	730 U	34 U	3,900 U	38 U	38 U	79 U	35 U
Acenaphthene	20,000	ug/kg	450 U	2,500 J	54 U	44,000	69 J	880 U	75 J	930	18 U	7.9 U
Acenaphthylene	100,000	ug/kg	33,000	9,000	1,100 J	10,000	11 U	13,000 J	140 J	160 J	1,500	320 J
Acetophenone	--	ug/kg	1,100 U	190 U	130 U	390 U	18 U	2,100 U	20 U	21 U	42 U	19 U
Anthracene	100,000	ug/kg	8,300 J	4,700	450 J	26,000	180 J	950 U	170 J	450	150 J	140 J
Atrazine	--	ug/kg	620 U	110 U	75 U	230 U	11 U	1,200 U	12 U	12 U	25 U	11 U
Benzaldehyde	--	ug/kg	2,000 U	360 U	240 U	730 U	35 U	3,900 U	38 U	38 U	79 U	35 U
Benzo(a)anthracene	1,000	ug/kg	28,000	5,400	2,600	24,000	290 J	6,000 J	560	760	2,100	890
Benzo(a)pyrene	1,000	ug/kg	50,000	8,100	3,100	23,000	260 J	17,000 J	470	620	3,500	950
Benzo(b)fluoranthene	1,000	ug/kg	40,000	6,700	3,300	19,000	300 J	9,400 J	520	610	4,400	1,200
Benzo(g,h,i)perylene	100,000	ug/kg	16,000 J	2,400 J	1,400 J	6,100 J	140 J	8,400 J	220 J	210 J	800 J	280 J
Benzo(k)fluoranthene	800	ug/kg	25,000	2,800 J	1,100 J	7,600	130 J	9,200 J	250 J	150 J	960	350 J
bis(2-Chloroethoxy)methane	--	ug/kg	920 U	170 U	110 U	340 U	16 U	1,800 U	18 U	18 U	37 U	16 U
bis(2-Chloroethyl)ether	--	ug/kg	1,000 U	180 U	120 U	370 U	17 U	2,000 U	19 U	19 U	40 U	18 U
bis(2-Ethylhexyl)phthalate	--	ug/kg	460 U	85 U	56 U	170 U	86 U	910 U	210 J	220 J	420 J	160 U
Butylbenzylphthalate	--	ug/kg	680 U	120 U	82 U	250 U	12 U	1,300 U	13 U	13 U	27 U	12 U
Caprolatam	--	ug/kg	750 U	140 U	90 U	280 U	13 U	1,500 U	14 U	14 U	30 U	13 U
Carbazole	--	ug/kg	450 U	82 U	54 U	1,700 J	84 J	880 U	79 J	8.7 UJ	18 UJ	7.9 U
Chrysene	1,000	ug/kg	31,000	5,100	2,900	23,000	290 J	9,900 J	560	670	2,600	910
Dibenz(a,h)anthracene	330	ug/kg	5,300 J	110 U	440 J	2,200 J	10 U	1,200 U	75 J	71 J	370 J	11 U
Dibenzofuran	7,000	ug/kg	670 U	750 J	81 U	4,800 J	89 J	1,300 U	49 J	70 J	27 U	12 U
Diethylphthalate	--	ug/kg	640 U	120 U	77 U	230 U	11 U	1,200 U	12 U	12 U	26 U	11 U
Dimethylphthalate	--	ug/kg	480 U	89 U	58 U	180 U	8.4 U	950 U	9.3 U	9.4 U	19 U	8.6 U
Di-n-butylphthalate	--	ug/kg	270 U	49 U	3,000	99 U	4.7 U	530 U	5.2 U	5.2 U	11 U	4.8 U

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Table 15. Summary of SVOCs Detected in Exploratory Test Pit Trenches - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	TT-13 4 - 5 05/14/04	TT-14 3 - 4 05/04/04	TT-15 3 - 4 05/04/04	TT-16 1 - 2 03/29/04	TT-17 6 - 7 04/30/04	TT-18 3 - 4 03/18/04	TT-19 3 - 4 04/26/04	TT-19 6 - 7 04/26/04	TT-21 5 - 6 04/28/04	TT-22 3 - 4 04/29/04
Semivolatiles												
Di-n-octyl phthalate	- -	ug/kg	480 U	89 U	58 U	180 U	8.4 U	950 U	9.3 U	9.4 U	19 U	8.6 U
Fluoranthene	100,000	ug/kg	30,000	7,200	2,500	41,000	660	550 U	870	1,300	1,200	960
Fluorene	30,000	ug/kg	2,500 J	5,250	70 U	33,000	110 J	1,100 U	11 U	92 J	23 U	38 J
Hexachlorobenzene	330	ug/kg	380 U	69 U	46 U	140 U	6.6 U	740 U	7.3 U	7.4 U	15 U	6.7 U
Hexachlorobutadiene	- -	ug/kg	710 U	130 U	86 U	260 U	12 U	1,400 U	14 U	14 U	28 U	13 U
Hexachlorocyclopentadiene	- -	ug/kg	510 U	93 U	61 U	190 U	8.9 U	1,000 U	9.7 U	9.8 U	20 U	9 U
Hexachloroethane	- -	ug/kg	970 U	180 U	120 U	360 U	17 U	1,900 U	19 U	19 U	39 U	17 U
Indeno(1,2,3-cd)pyrene	500	ug/kg	9,600 J	1,600 J	1,200 J	4,200 J	130 J	5,100 J	180 J	170 J	530 J	220 J
Isophorone	- -	ug/kg	750 U	140 U	91 U	280 U	13 U	1,500 U	14 U	15 U	30 U	13 U
Naphthalene	12,000	ug/kg	21,000	7,800	710 J	58,000	200 J	860 U	190 J	130 J	130 J	68 J
Nitrobenzene	- -	ug/kg	1,000 U	190 U	120 U	380 U	18 U	2,000 U	20 U	20 U	41 U	18 U
N-Nitroso-di-n-propylamine	- -	ug/kg	890 U	160 U	110 U	330 U	16 U	1,800 U	17 U	750	36 U	16 U
N-Nitrosodiphenylamine	- -	ug/kg	510 U	94 U	62 U	190 U	9 U	1,000 U	9.9 U	10 U	21 U	9.1 U
Pentachlorophenol	800	ug/kg	630 U	120 U	76 U	230 U	11 U	1,200 U	12 U	12 U	25 U	11 U
Phenanthrene	100,000	ug/kg	13,000 J	16,000	1,700 J	100,000	750	890 U	700	500	270 J	500
Phenol	330	ug/kg	840 U	150 U	100 U	310 U	15 U	1,700 U	16 U	16 U	34 U	15 U
Pyrene	100,000	ug/kg	61,000	13,000	4,200	63,000	610	14,000 J	990	2,100	3,200	1,650
Total SVOCs	- -	ug/kg	383,000 J	107,000 J	30,000 J	506,000 J	4,330 J	92,000 J	6,390 J	9,960 J	22,100 J	8,540 J

See Notes on Page 4.

Table 15. Summary of SVOCs Detected in Exploratory Test Pit Trenches - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Notes:

J = indicates an estimated value.

R = rejected.

D = compounds analyzed at a dilution.

U = indicates the constituent was not detected at the PQL. The value preceding the U indicates the PQL.

UJ = estimated non-detect.

ug/kg = micrograms per kilogram.

bgs = below ground surface.

PQL = practical quantitation limit.

NYCRR = New York State Codes Rules and Regulations.

SCOs = Soil Cleanup Objectives according to 6 NYCRR Subpart 375-6 *Remedial Program Soil Cleanup Objectives*.

-- = no SCO exists for the specified compound.

SVOCs = semi-volatile organic compounds.

Bolded and shaded values exceed the Unrestricted Use SCOs.

Table 16. Summary of Inorganics, Cyanide and PCBs Detected in Exploratory Test Pit Trenches - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	TT-1 3 - 3.5 08/19/04	TT-2-IN-3 3 - 3.5 08/19/04	TT-2-OUT-3 3 - 3.5 08/19/04	TT-03 2 - 3 05/19/04	TT-04 4 - 5 05/10/04	TT-05 4 - 5 05/18/04	TT-08 3 - 4 05/17/04	TT-9 2 - 3 03/22/04	TT-10 5 - 6 04/27/04	TT-10 7 - 8 04/27/04	TT-11 0 - 1 08/19/04	TT-11 2 - 3 08/19/04	TT-11 3 - 4 08/19/04	TT-13 3 - 4 03/17/04
Metals																
Arsenic	13	mg/kg	103 J	14.7 J	23.3 J	14 J	5.5 J	5 J	4.1 J [4.6 J]	3.4	13.3	10.3	27.7 J	8.01 J	6.01 J	12.8
Barium	350	mg/kg	2,410	135	184	218 J	109	87.8 J	172 J [152 J]	63.1	88.7	82.1	259	62.9	63.8	495
Cadmium	2.5	mg/kg	62.5 J	0.053 U	0.103 J	3.5	1.7	0.58 J	0.51 J [0.3 J]	0.05 U	3.4	2.1	0.053 U	0.052 U	0.052 U	1.5
Chromium	1	mg/kg	188 J	13.3 J	19.8 J	30	12.1	13.2	11.7 [10]	8.1	7.9	14	22.6 J	17.2 J	12.1 J	15.6
Chromium	30	mg/kg	188 J	13.3 J	19.8 J	30	12.1	13.2	11.7 [10]	8.1	7.9	14	22.6 J	17.2 J	12.1 J	15.6
Lead	63	mg/kg	32,700	478	1,740	826 J	505	367 J	286 J [258 J]	524 J	650 J	447 J	3,100	217	175	641 J
Mercury	0.18	mg/kg	0.46 J	0.78 J	0.84 J	0.25 J	1.3	0.57 J	0.55 J [0.67 J]	0.23	0.18 J	0.13 J	2.3 J	0.52 J	0.92 J	0.84 D
Selenium	3.9	mg/kg	13.1	1.06 J	1.71	1.4	0.35 U	0.41 U	0.52 J [0.35 U]	0.33 U	0.38 U	0.55 J	3.29	2.6	2.69	0.53 J
Silver	2	mg/kg	14.5 J	0.12 UJ	0.125 UJ	0.13 U	0.12 U	0.14 U	0.13 U [0.12 U]	0.11 UN	0.13 UJ	0.12 UJ	5.14 UJ	0.244 J	0.119 UJ	0.12 UN
Cyanide																
Cyanide	27	mg/kg	270	0.12 U	1.61	0.619 U	0.569 U	0.65 U	0.613 U [0.575 U]	0.536 U	0.603 U	0.59 U	5.45	0.567 U	0.571	0.588 U
PCBs																
Aroclor-1016	--	mg/kg	0.0075 U	0.0058 U	0.0061 U	0.0064 U	0.0058 U	0.0067 U	0.0062 U [0.0059 U]	0.011 U	0.0062 U	0.0061 U	0.0061 U	0.0059 U	0.0059 U	0.012 U
Aroclor-1221	--	mg/kg	0.0051 U	0.004 U	0.0041 U	0.0043 U	0.004 U	0.0046 U	0.0042 U [0.004 U]	0.0075 U	0.0015 U	0.0015 U	0.0041 U	0.004 U	0.004 U	0.0083 U
Aroclor-1232	--	mg/kg	0.0035 U	0.0027 U	0.0028 U	0.0029 U	0.0027 U	0.0031 U	0.0029 U [0.0027 U]	0.0051 U	0.0095 U	0.0093 U	0.0028 U	0.0027 U	0.0027 U	0.0056 U
Aroclor-1242	--	mg/kg	0.0045 U	0.0035 U	0.0036 U	0.0038 U	0.0035 U	0.004 U	0.0037 U [0.0035 U]	0.0065 U	0.0026 U	0.0026 U	0.0036 U	0.0035 U	0.0035 U	0.0072 U
Aroclor-1248	--	mg/kg	0.0053 U	0.0041 U	0.0043 U	0.0045 U	0.0041 U	0.0047 U	0.0044 U [0.0042 U]	0.0077 U	0.0065 U	0.0064 U	0.0043 U	0.0041 U	0.0041 U	0.0085 U
Aroclor-1254	--	mg/kg	0.0019 U	0.0015 U	0.0016 U	0.0016 U	0.0015 U	0.0017 U	0.0016 U [0.0015 U]	0.0028 U	0.013 U	0.012 U	0.0016 U	0.0015 U	0.0015 U	0.0031 U
Aroclor-1260	--	mg/kg	0.0042 U	0.0033 U	0.0034 U	1.9 J	0.0033 U	0.0038 U	0.0035 U [0.0034 U]	0.0062 U	0.0024 U	0.0023 U	0.0034 U	0.0033 U	0.0033 U	0.0069 U

See Notes on Page 3.

Table 16. Summary of Inorganics, Cyanide and PCBs Detected in Exploratory Test Pit Trenches - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	TT-13 4 - 5 05/14/04	TT-14 3 - 4 05/04/04	TT-15 3 - 4 05/04/04	TT-16 1 - 2 03/29/04	TT-17 6 - 7 04/30/04	TT-18 3 - 4 03/18/04	TT-19 3 - 4 04/26/04	TT-19 6 - 7 04/26/04	TT-21 5 - 6 04/28/04	TT-22 3 - 4 04/29/04
Metals												
Arsenic	13	mg/kg	9.2	13	18.4 J	8.7	9.5	9.1	4.3	5	3.6	7.2
Barium	350	mg/kg	253	238	204	202	90.3	132	89.8	157	65.6	166
Cadmium	2.5	mg/kg	0.54 J	2.7	1.6	2.3	0.21 J	0.08 J	0.61	0.4 J	0.6 J	1.4
Chromium	1	mg/kg	12.7	16.8	20.3	11.7	11.8	10	6.3	10.4	7	10.5
Chromium	30	mg/kg	12.7	16.8	20.3	11.7	11.8	10	6.3	10.4	7	10.5
Lead	63	mg/kg	739 J	1,480	596	1,270	85.7	501 J	189 J	441 J	118 J	343
Mercury	0.18	mg/kg	0.41 J	0.51 J	0.32	1.7	0.09 J	1 D	0.38 J	0.51 J	0.43 J	2.8 J
Selenium	3.9	mg/kg	1.4	0.62 J	0.47 U	0.35 U	0.34 U	0.36 U	0.37 U	0.37 U	0.39 U	0.35 U
Silver	2	mg/kg	0.13 U	0.12 U	0.16 U	0.49 J	0.11 U	0.12 UN	0.13 UJ	0.13 UJ	0.13 UJ	0.12 U
Cyanide												
Cyanide	27	mg/kg	0.617 U	0.965	0.747 U	2	0.538 U	0.6 U	0.598 U	0.596 U	0.616 U	0.606
PCBs												
Aroclor-1016	--	mg/kg	0.0064 U	0.0059 U	0.0077 U	0.0058 U	0.0056 U	0.012 U	0.0062 U	0.0062 U	0.0064 U	0.0056 U
Aroclor-1221	--	mg/kg	0.0043 U	0.004 U	0.0052 U	0.0014 U	0.0038 U	0.0084 U	0.0015 U	0.0015 U	0.0016 U	0.0038 U
Aroclor-1232	--	mg/kg	0.0029 U	0.0027 U	0.0035 U	0.0089 U	0.0026 U	0.0057 U	0.0095 U	0.0095 U	0.0099 U	0.0026 U
Aroclor-1242	--	mg/kg	0.0038 U	0.0035 U	0.0046 U	0.0025 U	0.0033 U	0.0073 U	0.0026 U	0.0026 U	0.0027 U	0.0033 U
Aroclor-1248	--	mg/kg	0.0045 U	0.0041 U	0.0054 U	0.0061 U	0.0039 U	0.0086 U	0.0065 U	0.0065 U	0.0068 U	0.0039 U
Aroclor-1254	--	mg/kg	0.0016 U	0.0015 U	0.002 U	0.012 U	0.0014 U	0.0032 U	0.013 U	0.013 U	0.013 U	0.0015 U
Aroclor-1260	--	mg/kg	0.0036 U	0.0033 U	0.0043 U	0.0022 U	0.0031 U	0.0069 U	0.0024 U	0.0024 U	0.0025 U	0.0032 U

See Notes on Page 3.

Table 16. Summary of Inorganics, Cyanide and PCBs Detected in Exploratory Test Pit Trenches - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Notes:

J = indicates an estimated value.

U = indicates the constituent was not detected at the PQL. The value preceding the U indicates the PQL.

UJ = estimated non-detect.

mg/kg = milligrams per kilogram.

bgs = below ground surface.

PQL = practical quantitation limit.

NYCRR = New York State Codes Rules and Regulations.

SCOs = Soil Cleanup Objectives according to 6 NYCRR Subpart 375-6 *Remedial Program Soil Cleanup Objectives*.

- - = no SCO exists for the specified compound.

Bolded and shaded values exceed the Unrestricted Use SCOs.

PCBs = polychlorinated biphenyls.

Table 17a. Summary of VOCs Detected in Subsurface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	B-1 8 - 8.5 08/27/04	B-1 16 - 16.5 08/27/04	B-1 24.5 - 25 08/27/04	B-2 7 - 9 09/01/04	B-2 15 - 17 09/01/04	B-2 19 - 21 09/01/04	B-2 23 - 25 04/05/04	B-3 2.5 - 3 08/16/04	B-3 9 - 10 08/18/04	B-3 13 - 14 08/18/04	B-3 38 - 39 08/18/04	B-4 5 - 7 04/21/04	B-4 9 - 11 04/21/04	B-5 3 - 5 04/15/04	B-5 7 - 9 04/15/04	B-5 17 - 19 04/15/04	B-6 3 - 4 03/23/04
Volatile Organic Compounds																			
1,1,1-Trichloroethane	680	ug/kg	0.34 U	0.32 U	0.34 U	0.29 UJ	1.6 UJ	0.36 UJ	0.33 U	0.33 UJ	0.29 U	0.34 U	0.34 U	0.3 U	1.5 U	3.4 U	3.6 U	0.34 U	0.31 U
1,1,2,2-Tetrachloroethane	--	ug/kg	0.66 U	0.62 U	0.66 U	0.56 UJ	3.1 UJ	0.7 UJ	0.65 U	0.65 UJ	0.56 U	0.67 U	0.67 U	0.58 U	2.9 U	6.6 U	7 U	0.67 U	0.6 U
1,1,2-Trichloroethane	--	ug/kg	0.63 U	0.59 U	0.63 U	0.54 UJ	3 UJ	0.67 UJ	0.62 U	0.62 UJ	0.54 U	0.64 U	0.64 U	0.56 U	2.8 U	6.3 U	6.7 U	0.64 U	0.57 U
1,1,2-Trichlorotrifluoroethane	--	ug/kg	0.57 U	0.53 U	0.57 U	0.49 UJ	2.7 UJ	0.6 UJ	0.56 U	0.57 UJ	0.49 U	0.58 U	0.58 U	0.5 U	2.6 U	5.7 U	6 U	0.58 U	0.52 U
1,1-Dichloroethane	270	ug/kg	0.44 U	0.41 U	0.44 U	0.38 UJ	2.1 UJ	0.46 UJ	0.43 U	0.44 UJ	0.38 U	0.45 U	0.45 U	0.39 U	2 U	4.4 U	4.6 U	0.45 U	0.4 U
1,1-Dichloroethene	330	ug/kg	0.27 U	0.25 U	0.27 U	0.23 UJ	1.3 UJ	0.28 UJ	0.26 U	0.27 UJ	0.23 U	0.27 U	0.27 U	0.24 U	1.2 U	2.7 U	2.8 U	0.27 U	0.24 U
1,2,4-Trichlorobenzene	--	ug/kg	0.31 U	0.29 U	0.31 U	0.27 UJ	1.5 UJ	0.33 UJ	0.3 U	0.31 UJ	0.27 U	0.32 U	0.32 U	0.27 U	1.4 U	3.1 U	3.3 U	0.32 U	0.28 U
1,2-Dibromo-3-Chloropropane	--	ug/kg	0.85 U	0.79 U	0.85 U	0.72 UJ	4 UJ	0.89 UJ	0.83 U	0.84 UJ	0.72 U	0.86 U	0.86 U	0.74 U	3.8 U	8.5 U	8.9 U	0.86 U	0.77 U
1,2-Dibromoethane	--	ug/kg	0.52 U	0.48 U	0.52 U	0.44 UJ	2.4 UJ	0.55 UJ	0.51 U	0.51 UJ	0.44 U	0.53 U	0.53 U	0.46 U	2.3 U	5.2 U	5.5 U	0.53 U	0.47 U
1,2-Dichlorobenzene	1,100	ug/kg	0.51 U	0.48 U	0.51 U	0.44 UJ	2.4 UJ	0.54 UJ	0.5 U	0.5 UJ	0.44 U	0.52 U	0.52 U	0.45 U	2.3 U	5.1 U	5.4 U	0.52 U	0.46 U
1,2-Dichloroethane	20	ug/kg	3.8 U	3.6 U	3.8 U	3.3 UJ	18 UJ	4.1 UJ	3.8 U	3.8 UJ	3.3 U	3.9 U	3.9 U	3.4 U	17 U	38 U	41 U	3.9 U	3.5 U
1,2-Dichloropropane	--	ug/kg	0.42 U	0.39 U	0.42 U	0.36 UJ	2 UJ	0.44 UJ	0.41 U	0.41 UJ	0.36 U	0.42 U	0.42 U	0.37 U	1.9 U	4.2 U	4.4 U	0.42 U	0.38 U
1,3-Dichlorobenzene	2,400	ug/kg	0.26 U	0.25 U	0.26 U	0.22 UJ	1.2 UJ	0.28 UJ	0.26 U	0.26 UJ	0.22 U	0.27 U	0.27 U	0.23 U	1.2 U	2.6 U	2.8 U	0.27 U	0.24 U
1,4-Dichlorobenzene	1,800	ug/kg	0.44 U	0.41 U	0.44 U	0.37 UJ	2.1 UJ	0.46 UJ	0.43 U	0.43 UJ	0.37 U	0.44 U	0.44 U	0.39 U	2 U	4.4 U	4.6 U	0.44 U	0.4 U
2-Butanone	120	ug/kg	2.8 U	2.6 U	2.8 U	2.4 UJ	13 UJ	3 UJ	2.8 U	2.8 UJ	2.4 U	R	2.9 U	2.5 U	13 U	28 U	30 U	2.9 U	15 J
2-Hexanone	--	ug/kg	4 U	3.7 U	4 U	3.4 UJ	19 UJ	4.2 UJ	3.9 U	3.9 UJ	3.4 U	4 U	4 U	3.5 U	18 U	40 U	42 U	4 U	3.6 U
4-Methyl-2-Pentanone	--	ug/kg	3 U	2.8 U	3 U	2.6 UJ	14 UJ	3.2 UJ	2.9 U	3 UJ	2.6 U	3 U	3 U	2.6 U	13 U	30 U	32 U	3 U	2.7 U
Acetone	50	ug/kg	9.3 U	8.7 U	9.3 U	7.9 UJ	44 UJ	9.8 UJ	9.1 U	R	7.9 U	R	9.4 U	8.2 U	41 J	93 U	98 J	9.4 U	100 J
Benzene	60	ug/kg	0.25 U	0.23 U	0.25 U	0.21 UJ	1.2 UJ	0.27 UJ	0.25 U	0.25 UJ	0.21 UJ	4.8 J	0.26 U	3.9 J	29	480	470	64	0.23 U
Bromodichloromethane	--	ug/kg	0.42 U	0.39 U	0.42 U	0.35 UJ	2 UJ	0.44 UJ	0.41 U	0.41 UJ	0.35 U	0.42 U	0.42 U	0.37 U	1.8 U	4.2 U	4.4 U	0.42 U	0.38 U
Bromoform	--	ug/kg	0.37 U	0.35 U	0.37 U	0.32 UJ	1.8 UJ	0.39 UJ	0.36 U	0.37 UJ	0.32 U	0.38 U	0.38 U	0.33 U	1.7 U	3.7 U	3.9 U	0.38 U	0.34 U
Bromomethane	--	ug/kg	0.88 U	0.82 U	0.88 U	0.75 UJ	4.2 UJ	0.93 UJ	0.86 U	0.87 UJ	0.75 U	0.9 U	0.9 U	0.78 U	3.9 U	8.8 U	9.3 U	0.9 U	0.8 U
Carbon Disulfide	--	ug/kg	0.13 U	0.12 U	0.13 U	0.11 UJ	0.59 UJ	0.13 UJ	0.12 U	0.12 UJ	0.11 U	0.13 U	0.13 U	3 J	19 J	200 J	40 J	0.13 U	2.4 J
Carbon Tetrachloride	760	ug/kg	0.37 U	0.35 U	0.37 U	0.32 UJ	1.8 UJ	0.39 UJ	0.36 U	0.37 UJ	0.32 U	0.38 U	0.38 U	0.33 U	1.7 U	3.7 U	3.9 U	0.38 U	0.34 U
Chlorobenzene	1,100	ug/kg	0.44 U	0.41 U	0.44 U	0.37 UJ	2.1 UJ	0.46 UJ	0.43 U	0.43 UJ	0.37 U	0.45 U	0.45 U	0.39 U	2 U	4.4 U	4.6 U	0.45 U	0.4 U
Chloroethane	--	ug/kg	0.66 U	0.61 U	0.66 U	0.56 UJ	3.1 UJ	0.69 UJ	0.64 U	0.65 UJ	0.56 U	0.66 U	0.66 U	0.58 U	2.9 U	6.6 U	6.9 U	0.66 U	0.6 U
Chloroform	370	ug/kg	0.3 U	0.28 U	0.3 U	0.25 UJ	1.4 UJ	0.31 UJ	0.29 U	0.29 UJ	0.25 U	0.3 U	0.3 U	0.26 U	1.3 U	3 U	3.1 U	0.3 U	0.27 U
Chloromethane	--	ug/kg	0.41 U	0.38 U	0.41 U	0.35 UJ	1.9 UJ	0.44 UJ	0.4 U	0.41 UJ	0.35 U	0.42 U	0.42 U	0.36 U	1.8 U	4.1 U	4.4 U	0.42 U	0.38 U
cis-1,2-Dichloroethene	250	ug/kg	0.44 U	0.41 U	0.44 U	0.37 UJ	2.1 UJ	0.46 UJ	0.43 U	0.43 UJ	0.37 U	0.45 U	0.45 U	0.39 U	2 U	4.4 U	4.6 U	0.45 U	0.4 U
cis-1,3-Dichloropropene	--	ug/kg	0.24 U	0.23 U	0.24 U	0.21 UJ	1.1 UJ	0.26 UJ	0.24 U	0.24 UJ	0.21 U	0.25 U	0.25 U	0.21 U	1.1 U	2.4 U	2.6 U	0.25 U	0.22 U
Cyclohexane	--	ug/kg	0.38 U	0.35 U	0.38 U	0.32 UJ	1.8 UJ	0.4 UJ	0.37 U	0.38 UJ	0.32 U	0.39 U	0.39 U	0.34 U	1.7 U	3.8 U	4 U	0.39 U	0.35 U
Dibromochloromethane	--	ug/kg	0.36 U	0.34 U	0.36 U	0.31 UJ	1.7 UJ	0.38 UJ	0.35 U	0.36 UJ	0.31 U	0.37 U	0.37 U	0.32 U	1.6 U	3.6 U	3.8 U	0.37 U	0.33 U
Dichlorodifluoromethane	--	ug/kg	1.5 U	1.4 U	1.5 U	1.3 UJ	7.3 UJ	1.6 UJ	1.5 U	1.5 UJ	1.3 U	1.6 U	1.6 U	1.4 U	6.9 U	15 U	16 U	1.6 U	1.4 U
Ethyl Benzene	1,000	ug/kg	0.31 U	0.29 U	0.31 U	26 J	1.5 UJ	0.33 UJ	0.3 U	0.31 UJ	0.26 U	10	0.32 U	0.27 U	39	7,100	67,000	220	2.4 J
Isopropylbenzene	--	ug/kg	0.46 U	0.43 U	0.46 U	44 J	2.2 UJ	0.49 UJ	0.45 U	0.46 UJ	0.39 U	0.47 U	0.47 U	0.41 U	260	2,300	13,000	81	0.42 U
m/p-Xylenes	--	ug/kg	0.64 U	0.6 U	0.64 U	170 J	3 UJ	0.68 UJ	0.63 U	0.63 UJ	0.55 U	6.7	0.65 U	0.56 U	18 J	3,000	7,100	17	1.5 J
Methyl Acetate	--	ug/kg	1.6 U	1.5 U	1.6 U	1.4 UJ	7.5 UJ	1.7 UJ	1.6 U	1.6 UJ	1.4 U	1.6 U	1.6 U	1.4 U	7.1 U	16 U	17 U	1.6 U	1.4 U
Methyl Tertiary-Butyl Ether	930	ug/kg	0.29 U	0.27 U	0.29 U	0.24 UJ	1.3 UJ	0.3 UJ	0.28 U	0.28 UJ	0.24 U	0.29 U	0.29 U	0.25 U	1.3 U	2.9 U	3 U	0.29 U	0.26 U
Methylcyclohexane	--	ug/kg	0.44 U	0.41 U	0.44 U	0.38 UJ	2.1 UJ	0.47 UJ	0.43 U	0.44 UJ	0.38 U	0.45 U	0.45 U	0.39 U	20 J	4.4 U	110 J	0.45 U	0.4 U
Methylene Chloride	50	ug/kg	10	0.79 U	2.7 J	7 J	21 J	3.6 J	0.83 U	4.6 J	0.72 U	0.86 U	0.86 U	0.75 U	3.8 U	8.5 U	8.9 U	0.86 U	0.77 U
o-Xylene	--	ug/kg	0.54 U	0.5 U	0.54 U	120 J	16 J	0.57 UJ	0.53 U	0.53 UJ	0.46 U	5.5 J	0.55 U	0.47 U	2.4 U	2,300	3,800	15	0.49 U
Styrene	--	ug/kg	0.39 U	0.36 U	0.39 U	0.33 UJ	1.8 UJ	0.41 UJ	0.38 U	0.39 UJ	0.33 U	0.4 U	0.4 U	0.34 U	1.7 U	260	1,120	0.4 U	0.36 U
t-1,3-Dichloropropene	--	ug/kg	0.32 U	0.3 U	0.32 U	0.27 UJ	1.5 UJ	0.34 UJ	0.31 U	0.32 UJ	0.27 U	0.32 U	0.32 U	0.28 U	1.4 U	3.2 U	3.4 U	0.32 U	0.29 U
Tetrachloroethene	1,300	ug/kg	0.79 U	0.74 U	0.79 U	0.68 UJ	3.7 UJ	0.84 UJ	0.77 U	0.77 UJ	0.68 U	0.8 U	0.8 U	0.7 U	3.5 U	7.9 U	8.4 U	0.8 U	0.72 U
Toluene	700	ug/kg	0.32 U	0.3 U	0.32 U	2.8 J	1.5 UJ	0.34 UJ	0.32 U	0.32 UJ	0.28 U	0.33 U	0.33 U	2.9 J	12 J	660	470	0.33 U	0.29 U
trans-1,2-Dichloroethene	190	ug/kg	0.46 U	0.43 U	0.46 U	0.39 UJ	2.2 UJ	0.49 UJ	0.45 U	0.46 UJ	0.39 U	0.47 U	0.47 U	0.41 U	2.1 U	4.6 U	4.9 U	0.47 U	0.42 U
Trichloroethene	470	ug/kg	0.4 U	0.37 U	0.4 U	0.34 UJ	1.9 UJ	0.42 UJ	0.39 U	0.4 UJ	0.34 U	0.41 U	0.41 U	0.35 U	1.8 U	4 U	4.2 U	0.41 U	0.36 U
Trichlorofluoromethane	--	ug/kg	3.1 U	2.9 U	3.1 U	2.6 UJ	14 UJ	3.2 UJ	3 U	3 UJ	2.6 U	3.1 U	3.1 U	2.7 U	14 U	31 U	32 U	3.1 U	2.8 U
Vinyl Chloride	20	ug/kg	0.29 U	0.27 U	0.29 U	0.25 UJ	1.4 UJ	0.31 UJ	0.29 U	0.29 UJ	0.25 U	0.3 U	0.3 U	0.26 U	1.3 U	2.9 U	3.1 U	0.3 U	0.27 U
Total VOCs	--	ug/kg	10	ND	2.7 J	370 J	37 J	3.6 J	ND	8.3 J	ND	27 J	ND	9.8 J	438 J	16,300 J	93,200 J	397	121 J

See Notes on Page 5.

Table 17a. Summary of VOCs Detected in Subsurface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	B-7 5 - 7 05/20/04	B-7 15 - 17 05/20/04	B-8 5 - 7 05/18/04	B-8 12 - 14 05/18/04	B-10 4 - 5 03/26/04	B-10 9 - 11 04/14/04	B-11 2 - 3 03/17/04	B-11 8 - 10 04/22/04	B-11 18 - 20 04/22/04	B-11 26 - 28 04/22/04	B-12 3 - 4 03/17/04	B-12 7 - 9 04/09/04	B-12 21 - 23 04/15/04	B-13 5 - 7 04/12/04	B-14 8 - 10 04/13/04
Volatile Organic Compounds																	
1,1,1-Trichloroethane	680	ug/kg	0.29 U	0.38 UJ	0.33 U	4.4 U	0.32 U	88 U	0.32 UJ	0.67 UJ [63 UJ]	77 UJ	0.41 UJ	0.3 U	68 U	4,600 U	0.29 U	1.9 U
1,1,2,2-Tetrachloroethane	--	ug/kg	0.57 U	0.73 UJ	0.65 U	8.5 U	R	110 U	0.62 UJ	1.3 UJ [76 UJ]	94 UJ	0.8 UJ	0.59 U	83 U	5,500 U	0.56 U	3.7 U
1,1,2-Trichloroethane	--	ug/kg	0.54 U	0.7 UJ	0.62 U	8.2 U	0.6 U	110 U	0.6 UJ	1.2 UJ [80 UJ]	98 UJ	0.77 UJ	0.57 U	86 U	5,800 U	0.54 U	3.5 U
1,1,2-Trichlorotrifluoroethane	--	ug/kg	0.49 U	0.64 UJ	0.56 U	7.4 U	0.54 U	150 U	0.54 UJ	1.1 UJ [110 UJ]	130 UJ	0.7 UJ	0.52 U	120 U	7,700 U	0.49 U	3.2 U
1,1-Dichloroethane	270	ug/kg	0.38 U	0.49 UJ	0.43 U	5.7 U	0.42 U	46 U	0.42 UJ	0.87 UJ [33 UJ]	41 UJ	0.53 UJ	0.4 U	36 U	2,400 U	0.38 U	2.5 U
1,1-Dichloroethene	330	ug/kg	0.23 U	0.3 UJ	0.26 U	3.5 U	0.25 U	69 U	0.25 UJ	0.53 UJ [50 UJ]	61 UJ	0.33 UJ	0.24 U	54 U	3,600 U	0.23 U	1.5 U
1,2,4-Trichlorobenzene	--	ug/kg	0.27 U	0.35 UJ	0.3 U	4 U	R	62 U	0.29 UJ	0.62 UJ [44 UJ]	54 UJ	0.38 UJ	0.28 U	48 U	3,200 U	0.27 U	1.7 U
1,2-Dibromo-3-Chloropropane	--	ug/kg	0.73 U	0.94 UJ	0.83 U	11 U	R	200 U	0.8 UJ	R [140 UJ]	180 UJ	R	0.76 U	160 U	10,000 U	0.72 U	4.7 U
1,2-Dibromoethane	--	ug/kg	0.45 U	0.58 UJ	0.51 U	6.7 U	0.49 U	140 U	0.49 UJ	1 UJ [98 UJ]	120 UJ	0.63 UJ	0.47 U	110 U	7,100 U	0.44 U	2.9 U
1,2-Dichlorobenzene	1,100	ug/kg	0.44 U	0.57 UJ	0.5 U	6.6 U	R	79 U	0.48 UJ	1 UJ [56 UJ]	69 UJ	0.62 UJ	0.46 U	61 U	4,100 U	0.44 U	2.8 U
1,2-Dichloroethane	20	ug/kg	3.3 U	4.3 UJ	3.8 U	50 U	3.6 U	69 U	3.6 UJ	7.6 UJ [49 UJ]	61 UJ	4.7 UJ	3.5 U	53 U	3,600 U	3.3 U	21 U
1,2-Dichloropropane	--	ug/kg	0.36 U	0.47 UJ	0.41 U	5.4 U	0.39 U	68 U	0.39 UJ	0.83 UJ [49 UJ]	60 UJ	0.51 UJ	0.38 U	53 U	3,500 U	0.36 U	2.3 U
1,3-Dichlorobenzene	2,400	ug/kg	0.23 U	0.29 UJ	0.26 U	3.4 U	R	80 U	0.25 UJ	0.52 UJ [57 UJ]	70 UJ	0.32 UJ	0.24 U	62 U	4,200 U	0.22 U	1.5 U
1,4-Dichlorobenzene	1,800	ug/kg	0.38 U	0.49 UJ	0.43 U	5.7 U	R	83 U	0.41 UJ	0.87 UJ [60 UJ]	73 UJ	0.53 UJ	0.39 U	64 U	4,300 U	0.37 U	2.4 U
2-Butanone	120	ug/kg	2.4 U	3.2 UJ	2.8 U	37 U	2.7 U	610 U	2.7 UJ	5.6 UJ [440 UJ]	540 UJ	3.4 UJ	2.6 U	470 U	32,000 U	2.4 U	16 U
2-Hexanone	--	ug/kg	3.4 U	4.4 UJ	3.9 U	52 U	3.8 U	140 U	3.8 UJ	7.9 UJ [100 UJ]	120 UJ	4.8 UJ	3.6 U	110 U	7,400 U	3.4 U	22 U
4-Methyl-2-Pentanone	--	ug/kg	2.6 U	3.3 UJ	2.9 U	39 U	2.8 U	280 U	2.8 UJ	5.9 UJ [200 UJ]	250 UJ	3.6 UJ	2.7 U	220 U	15,000 U	2.6 U	17 U
Acetone	50	ug/kg	8 U	10 UJ	9.1 U	120 U	1,100 J	710 U	8.8 UJ	120 UJ [510 UJ]	630 UJ	120 UJ	8.4 U	550 U	37,000 U	7.9 U	52 U
Benzene	60	ug/kg	0.22 U	0.28 UJ	0.25 U	130	140 J	6,000	0.24 UJ	220 J [210 J]	8,800 J	27 J	8.5	40 U	210,000	0.21 U	43
Bromodichloromethane	--	ug/kg	0.36 U	0.46 UJ	0.41 U	5.4 U	0.39 U	75 U	0.39 UJ	0.82 UJ [54 UJ]	66 UJ	0.5 UJ	0.37 U	58 U	3,900 U	0.35 U	2.3 U
Bromoform	--	ug/kg	0.32 U	0.42 UJ	0.36 U	4.8 U	0.35 U	54 U	0.35 UJ	0.74 UJ [39 UJ]	48 UJ	0.45 UJ	0.34 U	42 U	2,800 U	0.32 U	2.1 U
Bromomethane	--	ug/kg	0.76 U	0.98 UJ	0.86 U	11 U	0.83 U	170 U	0.83 UJ	1.7 UJ [120 UJ]	150 UJ	1.1 UJ	0.8 U	130 U	8,700 U	0.75 U	4.9 U
Carbon Disulfide	--	ug/kg	0.11 U	0.14 UJ	0.12 U	1.6 U	7.3 J	84 U	0.12 UJ	0.25 UJ [60 UJ]	74 UJ	0.15 UJ	0.11 U	65 U	4,400 U	0.11 U	50 J
Carbon Tetrachloride	760	ug/kg	0.32 U	0.41 UJ	0.36 U	4.8 U	0.35 U	100 U	0.35 UJ	0.74 UJ [73 UJ]	89 UJ	0.45 UJ	0.33 U	78 U	5,200 U	0.32 U	2.1 U
Chlorobenzene	1,100	ug/kg	0.38 U	0.49 UJ	0.43 U	5.7 U	0.41 U	79 U	0.41 UJ	0.87 UJ [57 UJ]	70 UJ	0.53 UJ	0.4 U	61 U	4,100 U	0.37 U	2.4 U
Chloroethane	--	ug/kg	0.56 U	0.73 UJ	0.64 U	8.5 U	0.62 U	190 U	0.62 UJ	1.3 UJ [140 UJ]	170 UJ	0.8 UJ	0.59 U	150 U	9,900 U	0.56 U	3.6 U
Chloroform	370	ug/kg	0.25 U	0.33 UJ	0.29 U	3.8 U	0.28 U	120 U	0.28 UJ	0.59 UJ [89 UJ]	110 UJ	0.36 UJ	0.27 U	96 U	6,400 U	0.25 U	1.6 U
Chloromethane	--	ug/kg	0.36 U	0.46 UJ	0.4 U	5.3 U	0.39 U	150 U	0.39 UJ	0.82 UJ [160 J]	190 J	0.5 UJ	0.37 U	110 U	7,600 U	0.35 U	2.3 U
cis-1,2-Dichloroethene	250	ug/kg	0.38 U	0.49 UJ	0.43 U	5.7 U	0.41 U	170 U	0.41 UJ	0.87 UJ [120 UJ]	150 UJ	0.53 UJ	0.4 U	130 U	8,600 U	0.37 U	2.4 U
cis-1,3-Dichloropropene	--	ug/kg	0.21 U	0.27 UJ	0.24 U	3.1 U	0.23 U	33 U	0.23 UJ	0.48 UJ [23 UJ]	29 UJ	0.29 UJ	0.22 U	25 U	1,700 U	0.21 U	1.3 U
Cyclohexane	--	ug/kg	0.33 U	0.42 UJ	0.37 U	100 J	0.36 U	79 U	3.2 J	110 [57 UJ]	500 J	0.46 UJ	0.34 U	61 U	4,100 U	0.32 U	2.1 U
Dibromochloromethane	--	ug/kg	0.31 U	0.4 UJ	0.35 U	4.7 U	0.34 U	81 U	0.34 UJ	0.72 UJ [58 UJ]	72 UJ	0.44 UJ	0.33 U	63 U	4,200 U	0.31 U	2 U
Dichlorodifluoromethane	--	ug/kg	1.3 U	1.7 UJ	1.5 U	20 U	1.5 U	72 U	1.5 UJ	3 UJ [52 UJ]	63 UJ	1.9 UJ	1.4 U	56 U	3,700 U	1.3 U	8.6 U
Ethyl Benzene	1,000	ug/kg	0.27 U	0.35 UJ	0.3 U	4 U	500 J	140,000 D	0.29 UJ	2,400 J [6,900 J]	30,000 J	74 J	4.2 J	13,000	1,300,000	0.26 U	1.7 U
Isopropylbenzene	--	ug/kg	0.4 U	0.51 UJ	0.45 U	5,200	R	6,100	0.44 UJ	1,800 J [5,100 J]	5,800 J	18 J	0.42 U	4,200	120,000	0.39 U	640
m/p-Xylenes	--	ug/kg	0.55 U	0.71 UJ	0.63 U	8.3 U	780 J	1,900 J	0.6 UJ	1.3 UJ [390 J]	24,000 J	79 J	7.9	790 J	1,200,000	0.55 U	3.6 U
Methyl Acetate	--	ug/kg	1.4 U	1.8 UJ	1.6 U	21 U	1.5 U	180 U	1.5 UJ	3.1 UJ [130 UJ]	160 UJ	1.9 UJ	1.4 U	140 U	9,300 U	1.4 U	8.9 U
Methyl Tertiary-Butyl Ether	930	ug/kg	0.25 U	0.32 UJ	0.28 U	3.7 U	0.27 U	77 U	0.27 UJ	0.57 UJ [55 UJ]	68 UJ	0.35 UJ	0.26 U	60 U	4,000 U	0.24 U	1.6 U
Methylcyclohexane	--	ug/kg	0.38 U	0.49 UJ	0.43 U	5.7 J	0.42 U	1,500	0.42 UJ	0.88 UJ [89 UJ]	110 UJ	0.54 UJ	0.4 U	3,100	57,000	0.38 U	2.3 U
Methylene Chloride	50	ug/kg	0.73 U	0.94 UJ	0.83 U	11 U	5.7 UJ	130 U	0.8 UJ	1.7 UJ [96 UJ]	120 UJ	2.8 J	0.76 U	100 U	6,900 U	0.72 U	4.7 U
o-Xylene	--	ug/kg	0.46 U	0.6 UJ	0.53 U	7 U	460 J	1,200	0.51 UJ	130 J [700 J]	11,000 J	46 J	2 J	1,100	560,000	0.46 U	26 J
Styrene	--	ug/kg	0.34 U	0.43 UJ	0.38 U	5 U	170 J	74 U	0.37 UJ	0.77 UJ [53 UJ]	65 UJ	0.47 UJ	0.3 J	57 U	3,800 U	0.33 U	2.2 U
t-1,3-Dichloropropene	--	ug/kg	0.28 U	0.36 UJ	0.31 U	4.1 U	0.3 U	92 U	0.3 UJ	0.63 UJ [66 UJ]	80 UJ	0.39 UJ	0.29 U	71 U	4,700 U	0.27 U	1.8 U
Tetrachloroethene	1,300	ug/kg	0.68 U	0.88 UJ	0.77 U	10 U	1.5 J	71 U	0.75 UJ	1.6 UJ [51 UJ]	63 UJ	0.96 UJ	0.71 U	55 U	3,700 U	0.68 U	4.4 U
Toluene	700	ug/kg	0.28 U	0.36 UJ	0.32 U	4.2 U	510 J	83 U	0.3 UJ	26 J [60 UJ]	9,600 J	24 J	9.9	64 U	97,000	0.28 U	22 J
trans-1,2-Dichloroethene	190	ug/kg	0.4 U	0.52 UJ	0.45 U	6 U	0.44 U	110 U	0.44 UJ	0.92 UJ [79 UJ]	97 UJ	0.56 UJ	0.42 U	86 U	5,700 U	0.39 U	2.6 U
Trichloroethene	470	ug/kg	0.34 U	0.44 UJ	0.39 U	5.2 U	0.38 U	140 U	0.38 UJ	0.79 UJ [100 UJ]	130 UJ	0.48 UJ	0.36 U	110 U	7,500 U	0.34 U	2.2 U
Trichlorofluoromethane	--	ug/kg	2.6 U	3.4 UJ	3 U	40 U	2.9 U	120 U	2.9 UJ	6.1 UJ [89 UJ]	110 UJ	3.7 UJ	2.8 U	96 U	6,400 U	2.6 U	17 U
Vinyl Chloride	20	ug/kg	0.25 U	0.33 UJ	0.29 U	3.8 U	0.28 U	58 U	0.28 UJ	0.58 UJ [41 UJ]	51 UJ	0.36 UJ	0.26 U	44 U	3,000 U	0.25 U	1.6 U
Total VOCs	--	ug/kg	ND	ND	ND	5,440 J	3,670 J	157,000 J	3.2 J	4,690 J [13,500 J]	89,900 J	271 J	36.8 J	22,200 J	3,540,000	ND	781 J

See Notes on Page 5.

Table 17a. Summary of VOCs Detected in Subsurface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	B-14 14 - 16 04/13/04	B-15 8 - 10 04/13/04	B-15 14 - 16 04/13/04	B-16 5 - 7 04/06/04	B-16 17 - 19 04/06/04	B-16 19 - 21 04/06/04	B-17 5 - 7 04/08/04	B-17 10 - 12 04/08/04	B-19 12 - 14 04/12/04	B-19 16 - 18 04/12/04	B-21 14 - 15 04/05/04	B-21 19 - 21 04/05/04	B-21 23 - 25 04/05/04	B-22 5 - 7 04/08/04	B-22 10 - 12 04/08/04	B-23 5 - 7 04/19/04
Volatile Organic Compounds																		
1,1,1-Trichloroethane	680	ug/kg	0.35 U	0.32 U	0.38 U [0.35 U]	0.32 U	0.44 U	0.51 U	0.33 U	67 UJ	0.34 U	69 U	0.33 UJ	0.42 UJ	0.33 U	0.33 U	65 U	0.34 U
1,1,2,2-Tetrachloroethane	--	ug/kg	0.68 U	0.62 U	0.75 U [0.69 U]	0.63 U	0.87 U	1 U	0.64 U	81 UJ	0.66 U	84 U	R	95 UD	0.65 U	0.64 U	79 U	0.66 U
1,1,2-Trichloroethane	--	ug/kg	0.65 U	0.6 U	0.71 U [0.66 U]	0.6 U	0.83 U	0.95 U	0.61 U	85 UJ	0.63 U	87 U	0.62 UJ	0.78 UJ	0.62 U	0.61 U	83 U	0.63 U
1,1,2-Trichlorotrifluoroethane	--	ug/kg	0.59 U	0.54 U	0.65 U [0.6 U]	0.55 U	0.75 U	0.87 U	0.55 U	110 UJ	0.57 U	120 U	0.56 UJ	0.71 UJ	0.56 U	0.55 U	110 U	0.57 U
1,1-Dichloroethane	270	ug/kg	0.45 U	0.42 U	0.5 U [0.46 U]	0.42 U	0.58 U	0.67 U	0.43 U	35 UJ	0.44 U	36 U	0.43 UJ	0.54 UJ	0.43 U	0.43 U	34 U	0.44 U
1,1-Dichloroethene	330	ug/kg	0.28 U	0.25 U	0.3 U [0.28 U]	0.26 U	0.35 U	0.41 U	0.26 U	53 UJ	0.27 U	54 U	0.26 UJ	0.33 UJ	0.26 U	0.26 U	52 U	0.27 U
1,2,4-Trichlorobenzene	--	ug/kg	0.32 U	0.29 U	0.35 U [0.32 U]	0.3 U	0.41 U	0.47 U	0.3 U	47 UJ	0.31 U	48 U	R	55 UD	0.3 U	0.3 U	46 U	0.31 U
1,2-Dibromo-3-Chloropropane	--	ug/kg	0.87 U	0.8 U	0.95 U [0.88 U]	0.81 U	1.1 U	1.3 U	0.82 U	150 UJ	0.85 U	160 U	R	180 UD	0.83 U	0.82 U	150 U	0.85 U
1,2-Dibromoethane	--	ug/kg	0.53 U	0.49 U	0.59 U [0.54 U]	0.5 U	0.68 U	0.78 U	0.5 U	100 UJ	0.52 U	110 U	0.51 UJ	0.64 UJ	0.51 U	0.5 U	100 U	0.52 U
1,2-Dichlorobenzene	1,100	ug/kg	0.52 U	0.48 U	0.58 U [0.53 U]	0.49 U	0.67 U	0.77 U	0.49 U	60 UJ	0.51 U	62 U	R	70 UD	0.5 U	0.49 U	59 U	0.51 U
1,2-Dichloroethane	20	ug/kg	3.9 U	3.6 U	4.3 U [4 U]	3.7 U	5 U	5.8 U	3.7 U	53 UJ	3.8 U	54 U	3.8 UJ	4.7 UJ	3.8 U	3.7 U	51 U	3.8 U
1,2-Dichloropropane	--	ug/kg	0.43 U	0.39 U	0.47 U [0.44 U]	0.4 U	0.55 U	0.63 U	0.4 U	52 UJ	0.42 U	54 U	0.41 UJ	0.52 UJ	0.41 U	0.4 U	51 U	0.42 U
1,3-Dichlorobenzene	2,400	ug/kg	0.27 U	0.25 U	0.3 U [0.27 U]	0.25 U	0.35 U	0.4 U	0.25 U	61 UJ	0.26 U	63 U	R	72 UD	0.26 U	0.25 U	60 U	0.26 U
1,4-Dichlorobenzene	1,800	ug/kg	0.45 U	0.41 U	0.49 U [0.46 U]	0.42 U	0.58 U	0.66 U	0.42 U	64 UJ	0.44 U	65 U	R	74 UD	0.43 U	0.42 U	62 U	0.44 U
2-Butanone	120	ug/kg	2.9 U	2.7 U	3.2 U [3 U]	2.7 U	12 J	28 J	2.7 U	470 UJ	R	480 U	24 J	45 J	2.8 U	2.7 U	450 U	2.8 U
2-Hexanone	--	ug/kg	4.1 U	3.8 U	4.5 U [4.2 U]	3.8 U	5.2 U	6 U	3.9 U	110 UJ	4 U	110 U	3.9 UJ	4.9 UJ	3.9 U	3.9 U	110 U	4 U
4-Methyl-2-Pentanone	--	ug/kg	3.1 U	2.8 U	3.4 U [3.1 U]	2.9 U	3.9 U	4.5 U	2.9 U	220 UJ	3 U	220 U	2.9 UJ	3.7 UJ	2.9 U	2.9 U	210 U	3 U
Acetone	50	ug/kg	9.6 U	8.8 U	11 U [9.7 U]	58 J	78	130 J	28 J	540 UJ	19 J	560 U	340 J	270 J	9.1 U	46 J	530 U	9.3 U
Benzene	60	ug/kg	0.26 U	180 J	2.3 J [2.6 J]	37	4 J	25	17	16,000 J	12	2,500	4 J	65 J	0.25 U	21	460 J	0.25 U
Bromodichloromethane	--	ug/kg	0.43 U	0.39 U	0.47 U [0.43 U]	0.4 U	0.55 U	0.63 U	0.4 U	57 UJ	0.42 U	59 U	0.41 UJ	0.51 UJ	0.41 U	0.4 U	56 U	0.42 U
Bromoform	--	ug/kg	0.38 U	0.35 U	0.42 U [0.39 U]	0.36 U	0.49 U	0.56 U	0.36 U	41 UJ	0.37 U	43 U	0.36 UJ	0.46 UJ	0.36 U	0.36 U	40 U	0.37 U
Bromomethane	--	ug/kg	0.91 U	0.83 U	1 U [0.92 U]	0.84 U	1.2 U	1.3 U	0.85 U	130 UJ	0.88 U	130 U	0.86 UJ	1.1 UJ	0.86 U	0.85 U	130 U	0.88 U
Carbon Disulfide	--	ug/kg	1.5 J	0.12 U	0.14 U [0.13 U]	2.7 J	0.17 J	2.3 J	1.9 J	64 UJ	0.13 U	66 U	5.7 J	0.16 UJ	0.12 U	0.12 U	62 U	0.13 U
Carbon Tetrachloride	760	ug/kg	0.38 U	0.35 U	0.42 U [0.39 U]	0.35 U	0.49 U	0.56 U	0.36 U	77 UJ	0.37 U	79 U	0.36 UJ	0.46 UJ	0.36 U	0.36 U	75 U	0.37 U
Chlorobenzene	1,100	ug/kg	0.45 U	0.41 U	0.5 U [0.46 U]	0.42 U	0.58 U	0.66 U	0.42 U	61 UJ	0.44 U	62 U	0.43 UJ	0.54 UJ	0.43 U	0.42 U	59 U	0.44 U
Chloroethane	--	ug/kg	0.67 U	0.62 U	0.74 U [0.68 U]	0.62 U	0.86 U	0.99 U	0.63 U	150 UJ	0.66 U	150 U	0.64 UJ	0.81 UJ	0.64 U	0.63 U	140 U	0.66 U
Chloroform	370	ug/kg	0.3 U	0.28 U	0.33 U [0.31 U]	0.28 U	0.39 U	0.45 U	0.29 U	95 UJ	0.3 U	97 U	0.29 UJ	0.36 UJ	0.29 U	0.29 U	92 U	0.3 U
Chloromethane	--	ug/kg	0.42 U	0.39 U	0.47 U [0.43 U]	0.39 U	0.54 U	0.62 U	0.4 U	110 UJ	0.41 U	120 U	0.4 UJ	0.51 UJ	0.4 U	0.4 U	110 U	0.41 U
cis-1,2-Dichloroethene	250	ug/kg	0.45 U	0.41 U	0.5 U [0.46 U]	0.42 U	0.58 U	0.66 U	0.42 U	130 UJ	0.44 U	130 U	0.43 UJ	0.54 UJ	0.43 U	0.42 U	120 U	0.44 U
cis-1,3-Dichloropropene	--	ug/kg	0.25 U	0.23 U	0.27 U [0.25 U]	0.23 U	0.32 U	0.37 U	0.23 U	25 UJ	0.24 U	26 U	0.24 UJ	0.3 UJ	0.24 U	0.23 U	24 U	0.24 U
Cyclohexane	--	ug/kg	0.39 U	0.36 U	0.43 U [0.4 U]	0.36 U	0.5 U	3 J	0.37 U	60 UJ	0.38 U	62 U	0.37 UJ	0.47 UJ	0.37 U	0.37 U	59 U	0.38 U
Dibromochloromethane	--	ug/kg	0.37 U	0.34 U	0.41 U [0.38 U]	0.35 U	0.48 U	0.55 U	0.35 U	62 UJ	0.36 U	64 U	0.35 UJ	0.45 UJ	0.35 U	0.35 U	61 U	0.36 U
Dichlorodifluoromethane	--	ug/kg	1.6 U	1.5 U	1.7 U [1.6 U]	1.5 U	2 U	2.3 U	1.5 U	55 UJ	1.5 U	56 U	1.5 UJ	1.9 UJ	1.5 U	1.5 U	54 U	1.5 U
Ethyl Benzene	1,000	ug/kg	0.32 U	120	0.35 U [0.32 U]	67	12	8.8 J	12	140,000 J	3.4 J	10,000	0.3 UJ	1,000 J	0.3 U	3.9 J	5,100	0.31 U
Isopropylbenzene	--	ug/kg	0.47 U	140	2.3 J [0.48 U]	12	20	38	12	28,000 J	31	1,900	R	330 JD	0.45 U	0.45 U	1,900	0.46 U
m/p-Xylenes	--	ug/kg	0.66 U	18	0.72 U [0.67 U]	70	4.3 J	0.97 U	29	72,000 J	2.9 J	4,400	0.63 UJ	2,000 J	0.63 U	11	820 J	0.64 U
Methyl Acetate	--	ug/kg	1.6 U	1.5 U	1.8 U [1.7 U]	1.5 U	2.1 U	2.4 U	1.5 U	140 UJ	R	140 U	1.6 UJ	2 UJ	1.6 U	1.5 U	130 U	1.6 U
Methyl Tertiary-Butyl Ether	930	ug/kg	0.29 U	0.27 U	0.32 U [0.3 U]	0.27 U	0.38 U	0.43 U	0.28 U	59 UJ	0.29 U	61 U	0.28 UJ	0.35 UJ	0.28 U	0.28 U	58 U	0.29 U
Methylcyclohexane	--	ug/kg	0.46 U	0.42 U	0.5 U [0.46 U]	0.42 U	0.58 U	0.67 U	0.43 U	34,000 J	0.44 U	370 J	0.43 UJ	0.55 UJ	0.43 U	0.43 U	92 U	0.44 U
Methylene Chloride	50	ug/kg	0.87 U	0.8 U	0.96 U [0.88 U]	6.3 U	7.6 J	14 J	0.82 U	100 UJ	1.9 J	110 U	6.3 UJ	6.1 UJ	0.83 U	0.82 U	100 U	8.2 UJ
o-Xylene	--	ug/kg	0.55 U	9.4	0.61 U [0.56 U]	63	24	18	29	21,000 J	2 J	2,800	0.53 UJ	1,400 J	0.53 U	7.3	1,300	0.54 U
Styrene	--	ug/kg	0.4 U	0.37 U	0.44 U [0.41 U]	0.37 U	0.51 U	0.59 U	0.38 U	56 UJ	0.39 U	58 U	0.38 UJ	0.48 UJ	0.38 U	0.38 U	55 U	0.39 U
t-1,3-Dichloropropene	--	ug/kg	0.33 U	0.3 U	0.36 U [0.33 U]	0.3 U	0.42 U	0.48 U	0.31 U	70 UJ	0.32 U	72 U	0.31 UJ	0.39 UJ	0.31 U	0.31 U	68 U	0.32 U
Tetrachloroethene	1,300	ug/kg	0.81 U	0.75 U	0.89 U [0.82 U]	0.76 U	1 U	1.2 U	0.77 U	54 UJ	0.79 U	56 U	0.77 UJ	0.98 UJ	0.77 U	0.77 U	53 U	0.79 U
Toluene	700	ug/kg	0.33 U	2.2 J	0.36 U [0.34 U]	25	0.42 U	0.49 U	13	4,600 J	0.32 U	65 U	0.32 UJ	110 J	0.32 U	8.8	62 U	0.32 U
trans-1,2-Dichloroethene	190	ug/kg	0.48 U	0.44 U	0.52 U [0.48 U]	0.44 U	0.61 U	0.7 U	0.45 U	85 UJ	0.46 U	87 U	0.45 UJ	0.57 UJ	0.45 U	0.45 U	82 U	0.46 U
Trichloroethene	470	ug/kg	0.41 U	0.38 U	0.45 U [0.42 U]	0.38 U	0.52 U	0.6 U	0.39 U	110 UJ	0.4 U	110 U	0.39 UJ	0.49 UJ	0.39 U	0.39 U	110 U	0.4 U
Trichlorofluoromethane	--	ug/kg	3.2 U	2.9 U	3.5 U [3.2 U]	2.9 U	4 U	4.6 U	3 U	95 UJ	3.1 U	97 U	3 UJ	3.8 UJ	3 U	3 U	92 U	3.1 U
Vinyl Chloride	20	ug/kg	0.3 U	0.28 U	0.33 U [0.31 U]	0.28 U	0.39 U	0.44 U	0.28 U	44 UJ	0.29 U	45 U	0.29 UJ	0.36 UJ	0.29 U	0.28 U	43 U	0.29 U
Total VOCs	--	ug/kg	1.5 J	470 J	4.6 J [2.6 J]	335 J	162 J	267 J	142 J	316,000 J	72.2 J	22,000 J	374 J	5,220 J	ND	98 J	9,580 J	ND

See Notes on Page 5.

Table 17a. Summary of VOCs Detected in Subsurface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	B-23 19 - 21 04/19/04	B-23 23 - 25 04/20/04	B-24 1 - 2 08/20/04	B-24 2 - 2.5 08/20/04	B-24 6.5 - 7 08/25/04	B-24 9 - 11 08/19/04	B-24 10 - 10.5 08/25/04	B-25 10 - 10.5 08/20/04	B-25 16.5 - 17 08/20/04	B-25 22.5 - 23 08/20/04	B-26 11 - 11.5 08/18/04	B-26 25 - 27 08/18/04	B-26 37 - 39 08/18/04	B-27 10 - 12 05/20/04	B-32 5 - 7 04/06/04	B-32 13 - 15 04/06/04
Volatile Organic Compounds																		
1,1,1-Trichloroethane	680	ug/kg	930 U	0.42 U	0.38 UJ	0.33 U	0.31 U	0.32 U	0.32 U	0.35 UJ	0.37 U	0.35 U	0.32 U	0.37 U	0.32 U	65 U [78 U]	0.31 UJ	0.4 UJ
1,1,2,2-Tetrachloroethane	--	ug/kg	1,100 U	0.83 U	0.73 UJ	0.65 U	0.61 U	0.63 U	0.63 U	0.68 UJ	0.72 U	0.68 U	0.62 U	0.72 U	0.62 U	78 U [95 U]	0.6 U	0.78 UJ
1,1,2-Trichloroethane	--	ug/kg	1,200 U	0.79 U	0.7 UJ	0.62 U	0.58 U	0.6 U	0.6 U	0.65 UJ	0.69 U	0.65 U	0.59 U	0.69 U	0.6 U	82 U [99 U]	0.57 UJ	0.74 UJ
1,1,2-Trichlorotrifluoroethane	--	ug/kg	1,600 U	0.72 U	0.64 UJ	0.56 U	0.53 U	0.55 U	0.55 U	0.59 UJ	0.63 U	0.59 U	0.53 U	0.63 U	0.54 U	110 U [130 U]	0.52 UJ	0.68
1,1-Dichloroethane	270	ug/kg	490 U	0.55 U	0.49 UJ	0.43 U	0.41 U	0.42 U	0.42 U	0.45 UJ	0.48 U	0.45 U	0.41 U	0.48 U	0.42 U	34 U [41 U]	0.4 UJ	0.52 UJ
1,1-Dichloroethene	330	ug/kg	730 U	0.34 U	0.3 UJ	0.26 U	0.25 U	0.26 U	0.26 U	0.28 UJ	0.29 U	0.28 U	0.25 U	0.29 U	0.25 U	51 U [62 U]	0.24 UJ	0.32 UJ
1,2,4-Trichlorobenzene	--	ug/kg	650 U	0.39 U	0.35 UJ	0.3 U	0.29 U	0.3 U	0.3 U	0.32 UJ	0.34 U	0.32 U	0.29 U	0.34 U	0.29 U	45 U [55 U]	0.28 U	0.37 UJ
1,2-Dibromo-3-Chloropropane	--	ug/kg	2,100 U	1.1 U	0.94 UJ	0.83 U	0.78 U	0.81 U	0.81 U	0.87 UJ	0.93 U	0.87 U	0.79 U	0.93 U	0.8 U	150 U [180 U]	0.77 U	1 UJ
1,2-Dibromoethane	--	ug/kg	1,400 U	0.65 U	0.58 UJ	0.51 U	0.48 U	0.5 U	0.5 U	0.53 UJ	0.57 U	0.53 U	0.48 U	0.57 U	0.49 U	100 U [120 U]	0.47 UJ	0.61 UJ
1,2-Dichlorobenzene	1,100	ug/kg	830 U	0.64 U	0.57 UJ	0.5 U	0.47 U	0.49 U	0.49 U	0.52 UJ	0.56 U	0.52 U	0.48 U	0.56 U	0.48 U	58 U [70 U]	0.46 U	0.6 UJ
1,2-Dichloroethane	20	ug/kg	730 U	4.8 U	4.3 UJ	3.8 U	3.5 U	3.7 U	3.7 U	3.9 UJ	4.2 U	3.9 U	3.6 U	4.2 U	3.6 U	51 U [62 U]	3.5 UJ	4.5 UJ
1,2-Dichloropropane	--	ug/kg	720 U	0.52 U	0.47 UJ	0.41 U	0.39 U	0.4 U	0.4 U	0.43 UJ	0.46 U	0.43 U	0.39 U	0.46 U	0.39 U	50 U [61 U]	0.38 UJ	0.49 UJ
1,3-Dichlorobenzene	2,400	ug/kg	850 U	0.33 U	0.29 UJ	0.26 U	0.24 U	0.25 U	0.25 U	0.27 UJ	0.29 U	0.27 U	0.25 U	0.29 U	0.25 U	59 U [72 U]	0.24 U	0.31 UJ
1,4-Dichlorobenzene	1,800	ug/kg	880 U	0.55 U	0.49 UJ	0.43 U	0.4 U	0.42 U	0.42 U	0.45 UJ	0.48 U	0.45 U	0.41 U	0.48 U	0.41 U	61 U [74 U]	0.4 U	0.52 UJ
2-Butanone	120	ug/kg	6,400 U	3.6 U	3.2 UJ	2.8 U	2.6 U	2.7 U	2.7 U	2.9 UJ	3.1 U	2.9 U	2.6 U	3.1 U	R	450 U [540 U]	2.6 UJ	9.6 J
2-Hexanone	--	ug/kg	1,500 U	5 U	4.4 UJ	3.9 U	3.7 U	3.8 U	3.8 U	4.1 UJ	4.4 U	4.1 U	3.7 U	4.4 U	3.8 U	100 U [130 U]	3.6 UJ	4.7 UJ
4-Methyl-2-Pentanone	--	ug/kg	3,000 U	3.8 U	3.3 UJ	2.9 U	2.8 U	2.9 U	2.9 U	3.1 UJ	3.3 U	3.1 U	2.8 U	3.3 U	2.8 U	210 U [250 U]	2.7 UJ	3.5 UJ
Acetone	50	ug/kg	7,500 U	180 J	10 UJ	9.1 U	8.6 U	8.9 U	8.9 U	9.6 UJ	59 J	34	8.7 U	10 U	R	520 U [640 U]	110 J	62 J
Benzene	60	ug/kg	68,000	4.5 J	0.28 UJ	0.25 U	0.23 U	0.24 UJ	0.24 U	0.26 UJ	2,100 D	12	8.4 J	33 J	0.24 UJ	2,500 [3,300]	30 J	280 J
Bromodichloromethane	--	ug/kg	790 U	0.52 U	0.46 UJ	0.41 U	0.38 U	0.4 U	0.4 U	0.43 UJ	0.46 U	0.43 U	0.39 U	0.46 U	0.39 U	55 U [67 U]	0.38 UJ	0.49 UJ
Bromoform	--	ug/kg	570 U	0.47 U	0.42 UJ	0.36 U	0.34 U	0.36 U	0.36 U	0.38 UJ	0.41 U	0.38 U	0.35 U	0.41 U	0.35 U	40 U [48 U]	0.34 U	0.44 UJ
Bromomethane	--	ug/kg	1,800 U	1.1 U	0.98 UJ	0.86 U	0.81 U	0.84 U	0.84 U	0.91 UJ	0.97 U	0.91 U	0.82 U	0.97 U	0.83 U	120 U [150 U]	0.8 UJ	1 U
Carbon Disulfide	--	ug/kg	890 U	7.2 J	0.14 UJ	0.12 U	0.12 U	0.12 U	0.12 U	0.13 UJ	4.9 J	0.13 U	0.12 U	0.14 U	0.12 U	62 U [75 U]	2.4 J	3 J
Carbon Tetrachloride	760	ug/kg	1,100 U	0.47 U	0.41 UJ	0.36 U	0.34 U	0.35 U	0.35 U	0.38 UJ	0.41 U	0.38 U	0.35 U	0.41 U	0.35 U	74 U [90 U]	0.34 UJ	0.44 UJ
Chlorobenzene	1,100	ug/kg	840 U	0.55 U	0.49 UJ	0.43 U	0.4 U	0.42 U	0.42 U	0.45 UJ	0.48 U	0.45 U	0.41 U	0.48 U	0.41 U	58 U [71 U]	0.4 U	0.52 UJ
Chloroethane	--	ug/kg	2,000 U	0.82 U	0.73 UJ	0.64 U	0.6 U	0.62 U	0.62 U	0.67 UJ	0.72 U	0.67 U	0.61 U	0.72 U	0.62 U	140 U [170 U]	0.6 UJ	0.77 U
Chloroform	370	ug/kg	1,300 U	0.37 U	0.33 UJ	0.29 U	0.27 U	0.28 U	0.28 U	0.3 UJ	0.32 U	0.3 U	0.28 U	0.32 U	0.28 U	91 U [110 U]	0.27 UJ	0.35 UJ
Chloromethane	--	ug/kg	1,500 U	0.52 U	0.46 UJ	0.4 U	0.38 U	0.39 U	0.39 U	0.42 UJ	0.45 U	0.42 U	0.38 U	0.45 U	0.39 U	110 U [130 U]	0.38 UJ	0.49 U
cis-1,2-Dichloroethene	250	ug/kg	1,700 U	0.55 U	0.49 UJ	0.43 U	0.4 U	0.42 U	0.42 U	0.45 UJ	0.48 U	0.45 U	0.41 U	0.48 U	0.41 U	120 U [150 U]	0.4 UJ	0.52 UJ
cis-1,3-Dichloropropene	--	ug/kg	350 U	0.3 U	0.27 UJ	0.24 U	0.22 U	0.23 U	0.23 U	0.25 UJ	0.27 U	0.25 U	0.23 U	0.27 U	0.23 U	24 U [29 U]	0.22 UJ	0.29 UJ
Cyclohexane	--	ug/kg	830 U	0.48 U	0.42 UJ	0.37 U	0.35 U	0.36 U	0.36 U	0.39 UJ	21 J	0.39 U	0.35 U	0.42 U	0.36 U	58 U [71 U]	0.35 UJ	0.45 UJ
Dibromochloromethane	--	ug/kg	860 U	0.45 U	0.4 UJ	0.35 U	0.33 U	0.35 U	0.35 U	0.37 UJ	0.4 U	0.37 U	0.34 U	0.4 U	0.34 U	60 U [73 U]	0.33 UJ	0.43 UJ
Dichlorodifluoromethane	--	ug/kg	760 U	1.9 U	1.7 UJ	1.5 U	1.4 U	1.5 U	1.5 U	1.6 UJ	1.7 U	1.6 U	1.4 U	1.7 U	1.5 U	53 U [64 U]	1.4 UJ	1.8 U
Ethyl Benzene	1,000	ug/kg	220,000	59	0.35 UJ	0.3 U	0.29 U	0.3 U	0.3 U	0.32 UJ	130	12	3.2 J	0.34 U	0.29 U	3,800 [5,900]	7.4	240 J
Isopropylbenzene	--	ug/kg	24,000	79	0.51 UJ	0.45 U	0.43 U	0.44 U	0.44 U	0.47 UJ	1,500 D	2.6 J	4.7 J	2.7 J	0.44 U	950 [1,400]	3.7 J	120 J
m/p-Xylenes	--	ug/kg	300,000	52	1.5 J	1.3 J	0.59 U	0.61 U	0.61 U	0.66 UJ	93	21	3 J	0.7 U	0.6 U	2,400 [3,800]	23	180 J
Methyl Acetate	--	ug/kg	1,900 U	2 J	1.8 UJ	1.6 U	1.5 U	1.5 U	1.5 U	1.6 UJ	1.7 U	1.6 U	1.5 U	1.7 U	1.5 U	130 U [160 U]	1.4 UJ	1.9 UJ
Methyl Tertiary-Butyl Ether	930	ug/kg	820 U	0.36 U	0.32 UJ	0.28 U	0.26 U	0.27 U	0.27 U	0.29 UJ	0.31 U	0.29 U	0.27 U	0.31 U	0.27 U	57 U [69 U]	0.26 UJ	0.34 UJ
Methylcyclohexane	--	ug/kg	1,300 U	8	0.49 UJ	0.43 U	0.41 U	0.42 U	0.42 U	0.46 UJ	130 J	0.46 U	8.3	0.49 U	0.42 U	91 U [110 U]	0.4 UJ	0.52 UJ
Methylene Chloride	50	ug/kg	1,400 U	4.8 UJ	5.2 J	4.8 J	0.78 U	0.81 U	3.5 J	7 J	3.8 J	16 J	0.79 U	0.93 U	0.8 U	98 U [120 U]	14 UJ	9.6 J
o-Xylene	--	ug/kg	120,000	34	0.6 UJ	0.53 U	0.5 U	0.51 U	0.51 U	0.55 UJ	27	10	0.5 U	0.59 U	0.51 U	1,100 [1,800]	17	320 J
Styrene	--	ug/kg	9,500 J	0.49 U	0.43 UJ	1.7 J	0.36 U	0.37 U	0.37 U	0.4 UJ	0.43 U	0.4 U	0.36 U	0.43 U	0.37 U	54 U [66 U]	0.36 U	0.46 UJ
t-1,3-Dichloropropene	--	ug/kg	970 U	0.4 U	0.36 UJ	0.31 U	0.29 U	0.3 U	0.3 U	0.33 UJ	0.35 U	0.33 U	0.3 U	0.35 U	0.3 U	67 U [82 U]	0.29 UJ	0.38 UJ
Tetrachloroethene	1,300	ug/kg	750 U	0.99 U	0.88 UJ	0.77 U	0.73 U	0.76 U	0.76 U	0.81 UJ	0.87 U	0.81 U	0.74 U	0.87 U	0.75 U	52 U [63 U]	0.72 U	0.93 UJ
Toluene	700	ug/kg	91,000	5.8 J	1.8 J	1.6 J	0.3 U	0.31 U	0.31 U	0.33 UJ	0.35 U	0.33 U	0.3 U	0.35 U	0.3 U	1,100 [1,600]	18 J	12 J
trans-1,2-Dichloroethene	190	ug/kg	1,200 U	0.58 U	0.52 UJ	0.45 U	0.43 U	0.44 U	0.44 U	0.48 UJ	0.51 U	0.48 U	0.43 U	0.51 U	0.44 U	81 U [99 U]	0.42 UJ	0.55 UJ
Trichloroethene	470	ug/kg	1,500 U	0.5 U	0.44 UJ	0.39 U	0.37 U	0.38 U	0.38 U	0.41 UJ	0.44 U	0.41 U	0.37 U	0.44 U	0.38 U	110 U [130 U]	0.36 UJ	0.47 UJ
Trichlorofluoromethane	--	ug/kg	1,300 U	3.8 U	3.4 UJ	3 U	2.8 U	2.9 U	2.9 U	3.2 UJ	3.4 U	3.2 U	2.9 U	3.4 U	2.9 U	91 U [110 U]	2.8 UJ	3.6 U
Vinyl Chloride	20	ug/kg	610 U	0.37 U	0.33 UJ	0.29 U	0.27 U	0.28 U	0.28 U	0.3 UJ	0.32 U	0.3 U	0.27 U	0.32 U	0.28 U	42 U [51 U]	0.27 UJ	0.35 U
Total VOCs	--	ug/kg	833,000 J	432 J	8.5 J	9.4 J	ND	ND	3.5 J	7 J	4,070 J	108 J	27.6 J	35.7 J	ND	11,900 [17,800]	212 J	1,240 J

See Notes on Page 5.

Table 17a. Summary of VOCs Detected in Subsurface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	B-32 21 - 23 04/06/04	B-32 35 - 37 04/07/04	B-33 4 - 5 03/23/04	B-33 7 - 9 04/21/04	B-34 5 - 7 04/14/04	B-34 17 - 19 04/14/04	B-35 5 - 7 04/26/04	B-37 5 - 7 04/20/04	B-37 11 - 13 04/20/04	B-38 10 - 12 04/20/04	B-38 16 - 18 04/20/04	B-39 19 - 21 04/15/04	B-40 4 - 4.5 08/26/04	B-40A 3.5 - 4 08/26/04	B-41 3 - 5 04/22/04	B-45 7 - 9 05/19/04
Volatile Organic Compounds																		
1,1,1-Trichloroethane	680	ug/kg	0.32 UJ	0.36 U	0.34 U	1,500 U	0.32 UJ	66 U	0.34 UJ	0.31 U	3,100 U	1.7 U	0.33 U	0.43 U	0.29 U	0.29 U	0.32 UJ	0.33 U
1,1,2,2-Tetrachloroethane	--	ug/kg	0.63 UJ	0.71 U	0.66 U	1,800 U	0.62 UJ	80 U	0.66 UJ	0.61 U	3,800 U	3.3 U	0.65 U	0.84 U	0.57 U	0.56 U	0.62 UJ	0.64 U
1,1,2-Trichloroethane	--	ug/kg	0.6 UJ	0.67 U	0.63 U	1,900 U	0.6 UJ	84 U	0.63 UJ	0.58 U	4,000 U	3.2 U	0.62 U	0.8 U	0.54 U	0.54 U	0.6 UJ	0.61 U
1,1,2-Trichlorotrifluoroethane	--	ug/kg	0.55 UJ	0.61 U	0.57 U	2,600 U	0.54 UJ	110 U	0.57 UJ	0.53 U	5,300 U	2.9 U	0.56 U	0.73 U	0.49 U	0.49 U	0.54 UJ	0.55 U
1,1-Dichloroethane	270	ug/kg	0.42 UJ	0.47 U	0.44 U	800 U	0.42 UJ	35 U	0.44 UJ	0.41 U	1,700 U	2.2 U	0.43 U	0.56 U	0.38 U	0.38 U	0.42 UJ	0.43 U
1,1-Dichloroethene	330	ug/kg	0.26 UJ	0.29 U	0.27 U	1,200 U	0.25 UJ	52 U	0.27 UJ	0.25 U	2,500 U	1.4 U	0.26 U	0.34 U	0.23 U	0.23 U	0.25 UJ	0.26 U
1,2,4-Trichlorobenzene	--	ug/kg	0.3 UJ	0.33 U	0.31 U	1,100 U	0.29 UJ	47 U	0.31 UJ	0.29 U	2,200 U	1.6 U	0.3 U	0.4 U	0.27 U	0.27 U	0.29 UJ	0.3 U
1,2-Dibromo-3-Chloropropane	--	ug/kg	0.81 UJ	0.9 U	0.85 U	3,500 U	0.8 UJ	150 U	R	0.78 U	7,200 U	4.3 U	0.83 U	1.1 U	0.73 U	0.72 U	R	0.82 U
1,2-Dibromoethane	--	ug/kg	0.5 UJ	0.55 U	0.52 U	2,400 U	0.49 UJ	100 U	0.52 UJ	0.48 U	4,900 U	2.6 U	0.51 U	0.66 U	0.45 U	0.44 U	0.49 UJ	0.5 U
1,2-Dichlorobenzene	1,100	ug/kg	0.49 UJ	0.55 U	0.51 U	1,400 U	0.48 UJ	59 U	0.51 UJ	0.47 U	2,800 U	2.6 U	0.5 U	0.65 U	0.44 U	0.44 U	0.48 UJ	0.49 U
1,2-Dichloroethane	20	ug/kg	3.7 UJ	4.1 U	3.8 U	1,200 U	3.6 UJ	52 U	3.8 UJ	3.5 U	2,500 U	19 U	3.8 U	4.9 U	3.3 U	3.3 U	3.6 UJ	3.7 U
1,2-Dichloropropane	--	ug/kg	0.4 UJ	0.45 U	0.42 U	1,200 U	0.39 UJ	51 U	0.42 UJ	0.39 U	2,400 U	2.1 U	0.41 U	0.53 U	0.36 U	0.36 U	0.39 UJ	0.4 U
1,3-Dichlorobenzene	2,400	ug/kg	0.25 UJ	0.28 U	0.26 U	1,400 U	0.25 UJ	60 U	0.26 UJ	0.24 U	2,900 U	1.3 U	0.26 U	0.33 U	0.23 U	0.22 U	0.25 UJ	0.25 U
1,4-Dichlorobenzene	1,800	ug/kg	0.42 UJ	0.47 U	0.44 U	1,400 U	0.41 UJ	63 U	0.44 UJ	0.4 U	3,000 U	2.2 U	0.43 U	0.56 U	0.38 U	0.37 U	0.41 UJ	0.42 U
2-Butanone	120	ug/kg	24 J	3 U	17 J	11,000 U	2.7 UJ	460 U	2.8 UJ	2.6 U	22,000 U	14 U	2.8 U	3.6 U	2.4 U	2.4 U	2.7 UJ	2.7 U
2-Hexanone	--	ug/kg	3.8 UJ	4.3 U	4 U	2,500 U	3.8 UJ	110 U	4 UJ	3.7 U	5,100 U	20 U	3.9 U	5.1 U	3.4 U	3.4 U	3.8 UJ	3.9 U
4-Methyl-2-Pentanone	--	ug/kg	2.9 UJ	3.2 U	3 U	4,900 U	2.8 UJ	210 U	3 UJ	2.8 U	10,000 U	15 U	2.9 U	3.8 U	2.6 U	2.6 U	2.8 UJ	2.9 U
Acetone	50	ug/kg	130 J	9.9 U	110 J	12,000 U	8.8 UJ	540 U	9.3 UJ	8.6 U	26,000 U	47 U	9.1 U	12 U	8 U	7.9 U	8.8 UJ	9 U
Benzene	60	ug/kg	58 J	6.9 J	0.25 U	1,900 J	5.7 J	6,400	12 J	2.2 J	6,200 J	27 J	2.5 J	19	0.22 U	0.21 U	11 J	0.24 U
Bromodichloromethane	--	ug/kg	0.4 UJ	0.44 U	0.42 U	1,300 U	0.39 UJ	56 U	0.42 UJ	0.38 U	2,700 U	2.1 U	0.41 U	0.53 U	0.36 U	0.35 U	0.39 UJ	0.4 U
Bromoform	--	ug/kg	0.36 UJ	0.4 U	0.37 U	940 U	0.35 UJ	41 U	0.37 UJ	0.34 U	1,900 U	1.9 U	0.36 U	0.47 U	0.32 U	0.32 U	0.35 UJ	0.36 U
Bromomethane	--	ug/kg	0.84 UJ	0.94 U	0.88 U	2,900 U	0.83 UJ	130 U	0.88 UJ	0.81 U	6,000 U	4.5 U	0.86 U	1.1 U	0.76 U	0.75 U	0.83 UJ	0.85 U
Carbon Disulfide	--	ug/kg	3 J	2.35 U	0.13 U	1,500 U	0.12 UJ	63 U	0.13 UJ	0.12 U	3,000 U	0.64 U	5.9 J	23 J	0.11 U	0.11 U	0.12 UJ	0.12 U
Carbon Tetrachloride	760	ug/kg	0.35 UJ	0.4 U	0.37 U	1,700 U	0.35 UJ	76 U	0.37 UJ	0.34 U	3,600 U	1.9 U	0.36 U	0.47 U	0.32 U	0.32 U	0.35 UJ	0.36 U
Chlorobenzene	1,100	ug/kg	0.42 UJ	0.47 U	0.44 U	1,400 U	0.41 UJ	60 U	0.44 UJ	0.4 U	2,800 U	2.2 U	0.43 U	0.56 U	0.38 U	0.37 U	0.41 UJ	0.42 U
Chloroethane	--	ug/kg	0.62 UJ	0.7 U	0.66 U	3,300 U	0.62 UJ	140 U	0.66 UJ	0.6 U	6,800 U	3.3 U	0.64 U	0.83 U	0.56 U	0.56 U	0.62 UJ	0.63 U
Chloroform	370	ug/kg	0.28 UJ	0.32 U	0.3 U	2,100 U	0.28 UJ	93 U	0.3 UJ	0.27 U	4,400 U	1.5 U	0.29 U	0.38 U	0.25 U	0.25 U	0.28 UJ	0.29 U
Chloromethane	--	ug/kg	0.39 UJ	0.44 U	0.41 U	2,500 U	0.39 UJ	110 U	0.41 UJ	0.38 U	5,300 U	2.1 U	0.4 U	0.53 U	0.36 U	0.35 U	0.39 UJ	0.4 U
cis-1,2-Dichloroethene	250	ug/kg	0.42 UJ	0.47 U	0.44 U	2,900 U	0.41 UJ	120 U	0.44 UJ	0.4 U	5,900 U	2.2 U	0.43 U	0.56 U	0.38 U	0.37 U	0.41 UJ	0.42 U
cis-1,3-Dichloropropene	--	ug/kg	0.23 UJ	0.26 U	0.24 U	570 U	0.23 UJ	25 U	0.24 UJ	0.22 U	1,200 U	1.2 U	0.24 U	0.31 U	0.21 U	0.21 U	0.23 UJ	0.23 U
Cyclohexane	--	ug/kg	0.36 UJ	0.41 U	0.38 U	1,400 U	0.36 UJ	60 U	0.38 UJ	0.35 U	2,800 U	1.9 U	0.37 U	0.48 U	0.33 U	0.32 U	0.36 UJ	0.37 U
Dibromochloromethane	--	ug/kg	0.35 UJ	0.39 U	0.36 U	1,400 U	0.34 UJ	61 U	0.36 UJ	0.33 U	2,900 U	1.8 U	0.35 U	0.46 U	0.31 U	0.31 U	0.34 UJ	0.35 U
Dichlorodifluoromethane	--	ug/kg	1.5 UJ	1.6 U	1.5 U	1,200 U	1.5 UJ	54 U	1.5 UJ	1.4 U	2,600 U	7.8 U	1.5 U	2 U	1.3 U	1.3 U	1.5 UJ	1.5 U
Ethyl Benzene	1,000	ug/kg	350 J	8.6 J	1.4 J	340,000	0.29 UJ	17,000	9.8 J	4 J	310,000	140	2.7 J	7.2 J	0.27 U	0.26 U	9.2 J	0.3 U
Isopropylbenzene	--	ug/kg	250 J	0.49 U	1.8 J	26,000	0.44 UJ	6,600	0.46 UJ	0.43 U	13,000 J	17 J	44	0.59 U	13	0.39 U	0.44 UJ	7.7
m/p-Xylenes	--	ug/kg	260 J	5.1 J	3.5 J	390,000	0.6 UJ	2,300	13 J	2.6 J	140,000	230	3.4 J	14	0.55 U	0.55 U	6.4 J	0.62 U
Methyl Acetate	--	ug/kg	1.5 UJ	1.7 U	1.6 U	3,100 U	1.5 UJ	130 U	1.6 UJ	1.5 U	6,400 U	8.1 U	1.6 U	2 U	1.4 U	1.4 U	1.5 UJ	1.5 U
Methyl Tertiary-Butyl Ether	930	ug/kg	0.27 UJ	0.31 U	0.29 U	1,300 U	0.27 UJ	58 U	0.29 UJ	0.26 U	2,800 U	1.4 U	0.28 U	0.36 U	0.25 U	0.24 U	0.27 UJ	0.28 U
Methylcyclohexane	--	ug/kg	0.42 UJ	0.47 U	0.44 U	33,000	0.42 UJ	160,000	0.44 UJ	0.41 U	12,000 J	2.2 U	27 J	0.56 U	0.38 U	0.38 U	0.42 UJ	0.43 U
Methylene Chloride	50	ug/kg	7.2 J	0.91 U	0.85 U	2,300 U	0.8 UJ	100 U	0.85 UJ	0.78 U	4,800 U	4.3 U	4.3 UJ	1.1 U	0.73 U	0.72 U	0.8 UJ	16
o-Xylene	--	ug/kg	150 J	2.5 J	0.54 U	140,000	0.51 UJ	630 J	2.8 J	1.3 J	75,000	120	0.53 U	6.5 J	0.46 U	0.46 U	2.3 J	0.52 U
Styrene	--	ug/kg	0.37 UJ	0.42 U	0.39 U	1,300 U	0.37 UJ	56 U	0.39 UJ	0.36 U	2,600 U	2 U	0.38 U	0.5 U	0.34 U	0.33 U	0.37 UJ	0.38 U
t-1,3-Dichloropropene	--	ug/kg	0.3 UJ	0.34 U	0.32 U	1,600 U	0.3 UJ	69 U	0.32 UJ	0.29 U	3,300 U	1.6 U	0.31 U	0.41 U	0.28 U	0.27 U	0.3 UJ	0.31 U
Tetrachloroethene	1,300	ug/kg	0.76 UJ	0.85 U	0.79 U	1,200 U	0.75 UJ	54 U	0.79 UJ	0.73 U	2,500 U	4 U	0.77 U	1 U	0.68 U	0.68 U	0.75 UJ	0.77 U
Toluene	700	ug/kg	2.2 J	0.35 U	0.32 U	39,000	0.3 UJ	63 U	15 J	3 J	7,400 J	68	0.32 U	2.5 J	0.28 U	0.28 U	4.6 J	0.31 U
trans-1,2-Dichloroethene	190	ug/kg	0.44 UJ	0.49 U	0.46 U	1,900 U	0.44 UJ	83 U	0.46 UJ	0.43 U	4,000 U	2.3 U	0.45 U	0.59 U	0.4 U	0.39 U	0.44 UJ	0.45 U
Trichloroethene	470	ug/kg	0.38 UJ	0.43 U	0.4 U	2,500 U	0.38 UJ	110 U	0.4 UJ	0.37 U	5,200 U	2 U	0.39 U	0.51 U	0.34 U	0.34 U	0.38 UJ	0.39 U
Trichlorofluoromethane	--	ug/kg	2.9 UJ	3.3 U	3.1 U	2,100 U	2.9 UJ	94 U	3.1 UJ	2.8 U	4,400 U	16 U	3 U	3.9 U	2.6 U	2.6 U	2.9 UJ	3 U
Vinyl Chloride	20	ug/kg	0.28 UJ	0.31 U	0.29 U	990 U	0.28 UJ	43 U	0.29 UJ	0.27 U	2,100 U	1.5 U	0.29 U	0.37 U	0.25 U	0.25 U	0.28 UJ	0.28 U
Total VOCs	--	ug/kg	1,230 J	23.1 J	134 J	970,000 J	5.7 J	193,000 J	52.6 J	13.1 J	564,000 J	602 J	85.5 J	72.2 J	13	ND	33.5 J	23.7

See Notes on Page 5.

Table 17a. Summary of VOCs Detected in Subsurface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Notes:

J = indicates an estimated value.

ND = not detected.

R = rejected.

U = indicates the constituent was not detected at the PQL. The value preceding the U indicates the PQL.

UJ = estimated non-detect.

D = compounds analyzed at a dilution.

ug/kg = micrograms per kilogram.

bgs = below ground surface.

PQL = practical quantitation limit.

NYCRR = New York State Codes Rules and Regulations.

SCOs = Soil Cleanup Objectives according to 6 NYCRR Subpart 375-6 *Remedial Program Soil Cleanup Objectives*.

-- = no SCO exists for the specified compound.

VOCs = volatile organic compounds.

Bolded and shaded values exceed the Unrestricted Use SCOs.

See Notes on Page 1.

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Table 17b. Summary of VOCs Detected in Subsurface Soil - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SB-101 7 - 8 07/13/06	SB-101 20 - 21 07/15/06	SB-101 32.5 - 33 07/15/06	SB-101 37 - 38 07/15/06	SB-102 8 - 9 07/13/06	SB-102 32 - 33 07/13/06	SB-102 39 - 40 07/13/06	SB-102 49 - 50 07/13/06	SB-103 8 - 9 07/30/06	SB-103 49 - 50 07/30/06	SB-104 7 - 8 07/31/06	SB-104 20 - 21 07/31/06	SB-104 25.5 - 26 07/31/06	SB-104 49 - 50 07/31/06	SB-105 9 - 10 07/29/06	SB-105 11 - 12 07/29/06	SB-105 16.5 - 17 07/29/06	SB-105 39 - 40 07/29/06
Volatile Organic Compounds																				
1,1,1-Trichloroethane	680	ug/kg	5.8 U	670 U	5.2 U	5.7 U	5.3 U	680 U	5.8 U	7.9 U	6.6 U	6.9 U	6.1 U	1,300 U	6.5 U	6.2 U	6 U	6 U	6.4 U	6.5 U
1,1,2,2-Tetrachloroethane	--	ug/kg	5.8 U	670 U	5.2 U	5.7 U	5.3 U	680 U	5.8 U	7.9 U	6.6 U	6.9 U	6.1 U	1,300 U	6.5 U	6.2 U	6 U	6 U	6.4 U	6.5 U
1,1,2-Trichloroethane	--	ug/kg	5.8 U	670 U	5.2 U	5.7 U	5.3 U	680 U	5.8 U	7.9 U	6.6 U	6.9 U	6.1 U	1,300 U	6.5 U	6.2 U	6 U	6 U	6.4 U	6.5 U
1,1,2-Trichlorotrifluoroethane	--	ug/kg	5.8 U	670 U	5.2 U	5.7 U	5.3 U	680 U	5.8 U	7.9 U	6.6 U	6.9 U	6.1 U	1,300 U	6.5 U	6.2 U	6 U	6 U	6.4 U	6.5 U
1,1-Dichloroethane	270	ug/kg	5.8 U	670 U	5.2 U	5.7 U	5.3 U	680 U	5.8 U	7.9 U	6.6 U	6.9 U	6.1 U	1,300 U	6.5 U	6.2 U	6 U	6 U	6.4 U	6.5 U
1,1-Dichloroethene	330	ug/kg	5.8 U	670 U	5.2 U	5.7 U	5.3 U	680 U	5.8 U	7.9 U	6.6 U	6.9 U	6.1 U	1,300 U	6.5 U	6.2 U	6 U	6 U	6.4 U	6.5 U
1,2,4-Trichlorobenzene	--	ug/kg	5.8 U	670 U	5.2 U	5.7 U	5.3 U	680 U	5.8 U	7.9 U	6.6 U	6.9 U	6.1 U	1,300 U	6.5 U	6.2 U	6 U	6 U	6.4 U	6.5 U
1,2-Dibromo-3-Chloropropane	--	ug/kg	5.8 U	670 U	5.2 U	5.7 U	5.3 U	680 U	5.8 U	7.9 U	6.6 U	6.9 U	6.1 U	1,300 U	6.5 U	6.2 U	6 U	6 U	6.4 U	6.5 U
1,2-Dibromoethane	--	ug/kg	5.8 U	670 U	5.2 U	5.7 U	5.3 U	680 U	5.8 U	7.9 U	6.6 U	6.9 U	6.1 U	1,300 U	6.5 U	6.2 U	6 U	6 U	6.4 U	6.5 U
1,2-Dichlorobenzene	1,100	ug/kg	5.8 U	670 U	5.2 U	5.7 U	5.3 U	680 U	5.8 U	7.9 U	6.6 U	6.9 U	6.1 U	1,300 U	6.5 U	6.2 U	6 U	6 U	6.4 U	6.5 U
1,2-Dichloroethane	20	ug/kg	5.8 U	670 U	5.2 U	5.7 U	5.3 U	680 U	5.8 U	7.9 U	6.6 U	6.9 U	6.1 U	1,300 U	6.5 U	6.2 U	6 U	6 U	6.4 U	6.5 U
1,2-Dichloropropane	--	ug/kg	5.8 U	670 U	5.2 U	5.7 U	5.3 U	680 U	5.8 U	7.9 U	6.6 U	6.9 U	6.1 U	1,300 U	6.5 U	6.2 U	6 U	6 U	6.4 U	6.5 U
1,3,5-Trimethylbenzene	8,400	ug/kg	5.8 U	4,800	5.2 U	5.7 U	5.3 U	1,000	5.8 U	7.9 U	6.6 U	6.9 U	6.1 U	520 J	6.5 U	6.2 U	6 U	6 U	6.4 U	6.5 U
1,3-Dichlorobenzene	2,400	ug/kg	5.8 U	670 U	5.2 U	5.7 U	5.3 U	680 U	5.8 U	7.9 U	6.6 U	6.9 U	6.1 U	1,300 U	6.5 U	6.2 U	6 U	6 U	6.4 U	6.5 U
1,4-Dichlorobenzene	1,800	ug/kg	5.8 U	670 U	5.2 U	5.7 U	5.3 U	680 U	5.8 U	7.9 U	6.6 U	6.9 U	6.1 U	1,300 U	6.5 U	6.2 U	6 U	6 U	6.4 U	6.5 U
2-Butanone	120	ug/kg	12 U	670 U	10 U	11 U	11 U	680 U	12 U	16 U	13 U	14 U	12 U	1,300 U	13 U	12 U	12 U	12 U	13 U	13 U
2-Hexanone	--	ug/kg	12 U	670 U	10 U	11 U	11 U	680 U	12 U	16 U	13 U	14 U	12 U	1,300 U	13 U	12 U	12 U	12 U	13 U	13 U
4-Methyl-2-Pentanone	--	ug/kg	12 U	670 U	10 U	11 U	11 U	680 U	12 U	16 U	13 U	14 U	12 U	1,300 U	13 U	12 U	12 U	12 U	13 U	13 U
Acetone	50	ug/kg	34 U	1,700 U	31	23 U	21 U	1,700 U	23 U	31 U	26 U	7.9 J	24 U	3,100 U	26 U	25 U	24 U	24 U	25 U	26 U
Benzene	60	ug/kg	15	260 J	1.2 J	5.7 U	5.3 U	240 J	5.8 U	1.5 J	6.6 U	6.9 U	6.1 U	540 J	6.5 U	6.2 U	1.1 J	1.5 J	6.8	6.5 U
Bromodichloromethane	--	ug/kg	5.8 U	670 U	5.2 U	5.7 U	5.3 U	680 U	5.8 U	7.9 U	6.6 U	6.9 U	6.1 U	1,300 U	6.5 U	6.2 U	6 U	6 U	6.4 U	6.5 U
Bromomethane	--	ug/kg	5.8 U	670 U	5.2 U	5.7 U	5.3 U	680 U	5.8 U	7.9 U	6.6 U	6.9 U	6.1 U	1,300 U	6.5 U	6.2 U	6 U	6 U	6.4 U	6.5 U
Bromomethane	--	ug/kg	5.8 U	670 U	5.2 U	5.7 U	5.3 U	680 U	5.8 U	7.9 U	6.6 U	6.9 U	6.1 U	1,300 U	6.5 U	6.2 U	6 U	6 U	6.4 U	6.5 U
Carbon Disulfide	--	ug/kg	1.7 J	670 U	2.5 J	0.92 J	5.3 U	680 U	5.8 U	7.9 U	6.6 U	6.9 U	6.1 U	1,300 U	6.5 U	6.2 U	6 U	6 U	6.4 U	6.5 U
Carbon Tetrachloride	760	ug/kg	5.8 U	670 U	5.2 U	5.7 U	5.3 U	680 U	5.8 U	7.9 U	6.6 U	6.9 U	6.1 U	1,300 U	6.5 U	6.2 U	6 U	6 U	6.4 U	6.5 U
Chlorobenzene	1,100	ug/kg	5.8 U	670 U	5.2 U	5.7 U	5.3 U	680 U	5.8 U	7.9 U	6.6 U	6.9 U	6.1 U	1,300 U	6.5 U	6.2 U	6 U	6 U	6.4 U	6.5 U
Chloroethane	--	ug/kg	5.8 U	670 U	5.2 U	5.7 U	5.3 U	680 U	5.8 U	7.9 U	6.6 U	6.9 U	6.1 U	1,300 U	6.5 U	6.2 U	6 U	6 U	6.4 U	6.5 U
Chloroform	370	ug/kg	5.8 U	670 U	5.2 U	5.7 U	5.3 U	680 U	5.8 U	7.9 U	6.6 U	6.9 U	6.1 U	1,300 U	6.5 U	6.2 U	6 U	6 U	6.4 U	6.5 U
Chloromethane	--	ug/kg	5.8 U	670 U	5.2 U	5.7 U	5.3 U	680 U	5.8 U	7.9 U	6.6 U	6.9 U	6.1 U	1,300 U	6.5 U	6.2 U	6 U	6 U	6.4 U	6.5 U
cis-1,2-Dichloroethene	250	ug/kg	5.8 U	670 U	5.2 U	5.7 U	5.3 U	680 U	5.8 U	7.9 U	6.6 U	6.9 U	6.1 U	1,300 U	6.5 U	6.2 U	6 U	6 U	6.4 U	6.5 U
cis-1,3-Dichloropropene	--	ug/kg	5.8 U	670 U	5.2 U	5.7 U	5.3 U	680 U	5.8 U	7.9 U	6.6 U	6.9 U	6.1 U	1,300 U	6.5 U	6.2 U	6 U	6 U	6.4 U	6.5 U
Cyclohexane	--	ug/kg	5.8 U	250 J	5.2 U	5.7 U	5.3 U	53 J	5.8 U	7.9 U	6.6 U	6.9 U	6.1 U	1,300 U	6.5 U	6.2 U	6 U	6 U	6.4 U	6.5 U
Dibromochloromethane	--	ug/kg	5.8 U	670 U	5.2 U	5.7 U	5.3 U	680 U	5.8 U	7.9 U	6.6 U	6.9 U	6.1 U	1,300 U	6.5 U	6.2 U	6 U	6 U	6.4 U	6.5 U
Dichlorodifluoromethane	--	ug/kg	5.8 U	670 U	5.2 U	5.7 U	5.3 U	680 U	5.8 U	7.9 U	6.6 U	6.9 U	6.1 U	1,300 U	6.5 U	6.2 U	6 U	6 U	6.4 U	6.5 U
Ethyl Benzene	1,000	ug/kg	5.8 U	9,000	5.2 U	5.7 U	5.3 U	4,900	5.8 U	7.9 U	6.6 U	6.9 U	6.1 U	510 J	6.5 U	6.2 U	6 U	2.9 J	6.4 U	6.5 U
Isopropylbenzene	--	ug/kg	5.8 U	6,000	5.2 U	5.7 U	5.3 U	5,100	5.8 U	7.9 U	6.6 U	6.9 U	6.1 U	1,900	6.5 U	6.2 U	6 U	10 J	15 J	6.5 U
Methyl Acetate	--	ug/kg	5.8 U	670 U	5.2 U	5.7 U	5.3 U	680 U	5.8 U	7.9 U	6.6 U	6.9 U	6.1 U	1,300 U	6.5 U	6.2 U	6 U	6 U	6.4 U	6.5 U
Methyl Tertiary-Butyl Ether	930	ug/kg	5.8 U	670 U	5.2 U	5.7 U	5.3 U	680 U	5.8 U	7.9 U	6.6 U	6.9 U	6.1 U	1,300 U	6.5 U	6.2 U	6 U	6 U	6.4 U	6.5 U
Methylcyclohexane	--	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	50	ug/kg	23 U	670 U	21 U	23 U	21 U	680 U	23 U	31 U	26 U	28 U	24 U	130 J	26 U	25 U	24 U	24 U	25 U	26 U
Styrene	--	ug/kg	5.8 U	670 U	5.2 U	5.7 U	5.3 U	680 U	5.8 U	7.9 U	6.6 U	6.9 U	6.1 U	1,300 U	6.5 U	6.2 U	6 U	6 U	6.4 U	6.5 U
t-1,3-Dichloropropene	--	ug/kg	5.8 U	670 U	5.2 U	5.7 U	5.3 U	680 U	5.8 U	7.9 U	6.6 U	6.9 U	6.1 U	1,300 U	6.5 U	6.2 U	6 U	6 U	6.4 U	6.5 U
Tetrachloroethene	1,300	ug/kg	5.8 U	670 U	5.2 U	5.7 U	5.3 U	680 U	5.8 U	7.9 U	6.6 U	6.9 U	6.1 U	1,300 U	6.5 U	6.2 U	6 U	6 U	6.4 U	6.5 U
Toluene	700	ug/kg	5.7 J	670 U	5.2 U	5.7 U	5.3 U	680 U	5.8 U	7.9 U	6.6 U	6.9 U	6.1 U	92 J	6.5 U	6.2 U	6 U	1.6 J	6.4 U	6.5 U
trans-1,2-Dichloroethene	190	ug/kg	5.8 U	670 U	5.2 U	5.7 U	5.3 U	680 U	5.8 U	7.9 U	6.6 U	6.9 U	6.1 U	1,300 U	6.5 U	6.2 U	6 U	6 U	6.4 U	6.5 U
Trichloroethene	470	ug/kg	5.8 U	670 U	5.2 U	5.7 U	5.3 U	680 U	5.8 U	7.9 U	6.6 U	6.9 U	6.1 U	1,300 U	6.5 U	6.2 U	6 U	6 U	6.4 U	6.5 U
Trichlorofluoromethane	--	ug/kg	5.8 U	670 U	5.2 U	5.7 U	5.3 U	680 U	5.8 U	7.9 U	6.6 U	6.9 U	6.1 U	1,300 U	6.5 U	6.2 U	6 U	6 U	6.4 U	6.5 U
Vinyl Chloride	20	ug/kg	5.8 U	670 U	5.2 U	5.7 U	5.3 U	680 U	5.8 U	7.9 U	6.6 U	6.9 U	6.1 U	1,300 U	6.5 U	6.2 U	6 U	6 U	6.4 U	6.5 U
Xylenes (total)	260	ug/kg	5.8 U	1,700	5.2 U	5.7 U	5.3 U	680 U	5.8 U	7.9 U	6.6 U	6.9 U	6.1 U	1,300 U	6.5 U	6.2 U	6 U	6 U	6.4 U	6.5 U
Total VOCs	--	ug/kg	22.4 J	22,000 J	34.7 J	0.92 J	ND	11,300 J	ND	1.5 J	ND	7.9 J	ND	3,690 J	ND	ND	1.1 J	16 J	21.8 J	ND

See Notes on Page 8.

Table 17b. Summary of VOCs Detected in Subsurface Soil - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SB-106 8 - 9 07/30/06	SB-106 20 - 21 07/30/06	SB-106 32 - 33 07/30/06	SB-107B 9 - 11 06/20/06	SB-107B 29 - 31 06/20/06	SB-107B 39 - 41 06/20/06	SB-107B 53 - 54 06/20/06	SB-108 9 - 11 06/19/06	SB-108 34 - 35 06/20/06	SB-108 43 - 45 06/21/06	SB-109 6.5 - 7 06/15/06	SB-109 31 - 33 06/15/06	SB-109 41 - 43 06/16/06	SB-110 7 - 8 06/21/06	SB-110 17 - 19 06/21/06	SB-110 26 - 26.5 06/22/06	SB-110 49 - 51 06/22/06	
Volatile Organic Compounds																				
1,1,1-Trichloroethane	680	ug/kg	5.9 U	6.4 U	6.8 U	6 U [5.7 U]	16,000 U	6.1 U	6.8 U	5.9 U	6.1 U	30 UJ	6 U [6.4 U]	3,300 U	5.6 U	6.1 U	6.6 U	6.2 U	6.4 U	
1,1,2,2-Tetrachloroethane	--	ug/kg	5.9 U	6.4 U	6.8 U	6 U [5.7 U]	16,000 U	6.1 U	6.8 U	5.9 U	6.1 U	30 UJ	6 U [6.4 U]	3,300 U	5.6 U	6.1 U	6.6 U	6.2 U	6.4 U	
1,1,2-Trichloroethane	--	ug/kg	5.9 U	6.4 U	6.8 U	6 U [5.7 U]	16,000 U	6.1 U	6.8 U	5.9 U	6.1 U	30 UJ	6 U [6.4 U]	3,300 U	5.6 U	6.1 U	6.6 U	6.2 U	6.4 U	
1,1,2-Trichlorotrifluoroethane	--	ug/kg	5.9 U	6.4 U	6.8 U	6 U [5.7 U]	16,000 U	6.1 U	6.8 U	5.9 U	6.1 U	30 UJ	6 U [6.4 U]	3,300 U	5.6 U	6.1 U	6.6 U	6.2 U	6.4 U	
1,1-Dichloroethane	270	ug/kg	5.9 U	6.4 U	6.8 U	6 U [5.7 U]	16,000 U	6.1 U	6.8 U	5.9 U	6.1 U	30 UJ	6 U [6.4 U]	3,300 U	5.6 U	6.1 U	6.6 U	6.2 U	6.4 U	
1,1-Dichloroethene	330	ug/kg	5.9 U	6.4 U	6.8 U	6 U [5.7 U]	16,000 U	6.1 U	6.8 U	5.9 U	6.1 U	30 UJ	6 U [6.4 U]	3,300 U	5.6 U	6.1 U	6.6 U	6.2 U	6.4 U	
1,2,4-Trichlorobenzene	--	ug/kg	5.9 U	6.4 U	6.8 U	6 UJ [5.7 UJ]	16,000 UJ	6.1 UJ	6.8 UJ	5.9 UJ	6.1 UJ	30 UJ	6 UJ [6.4 UJ]	3,300 U	5.6 UJ	6.1 UJ	6.6 U	6.2 U	6.4 U	
1,2-Dibromo-3-Chloropropane	--	ug/kg	5.9 UJ	6.4 UJ	6.8 UJ	6 U [5.7 U]	16,000 UJ	6.1 U	6.8 U	5.9 U	6.1 U	30 UJ	6 U [6.4 U]	3,300 U	5.6 U	6.1 U	6.6 UJ	6.2 UJ	6.4 UJ	
1,2-Dibromoethane	--	ug/kg	5.9 U	6.4 U	6.8 U	6 U [5.7 U]	16,000 U	6.1 U	6.8 U	5.9 U	6.1 U	30 UJ	6 U [6.4 U]	3,300 U	5.6 U	6.1 U	6.6 U	6.2 U	6.4 U	
1,2-Dichlorobenzene	1,100	ug/kg	5.9 U	6.4 U	6.8 U	6 U [5.7 U]	16,000 U	6.1 U	6.8 U	5.9 U	6.1 U	30 UJ	6 U [6.4 U]	3,300 U	5.6 U	6.1 U	6.6 U	6.2 U	6.4 U	
1,2-Dichloroethane	20	ug/kg	5.9 U	6.4 U	6.8 U	6 U [5.7 U]	16,000 U	6.1 U	6.8 U	5.9 U	6.1 U	30 UJ	6 U [6.4 U]	3,300 U	5.6 U	6.1 U	6.6 U	6.2 U	6.4 U	
1,2-Dichloropropane	--	ug/kg	5.9 U	6.4 U	6.8 U	6 U [5.7 U]	16,000 U	6.1 U	6.8 U	5.9 U	6.1 U	30 UJ	6 U [6.4 U]	3,300 U	5.6 U	6.1 U	6.6 U	6.2 U	6.4 U	
1,3,5-Trimethylbenzene	8,400	ug/kg	5.9 U	6.4 U	6.8 U	6 U [5.7 U]	510,000	1.1 J	6.8 U	5.9 U	6.1 U	46 J	6 U [6.4 U]	56,000	2 J	6.1 U	6.6 U	6.2 U	6.4 U	
1,3-Dichlorobenzene	2,400	ug/kg	5.9 U	6.4 U	6.8 U	6 U [5.7 U]	16,000 U	6.1 U	6.8 U	5.9 U	6.1 U	30 UJ	6 U [6.4 U]	3,300 U	5.6 U	6.1 U	6.6 U	6.2 U	6.4 U	
1,4-Dichlorobenzene	1,800	ug/kg	5.9 U	6.4 U	6.8 U	6 U [5.7 U]	16,000 U	6.1 U	6.8 U	5.9 U	6.1 U	30 UJ	6 U [6.4 U]	3,300 U	5.6 U	6.1 U	6.6 U	6.2 U	6.4 U	
2-Butanone	120	ug/kg	12 UJ	13 UJ	14 UJ	12 UJ [11 UJ]	16,000 U	12 UJ	14 UJ	12 UJ	12 UJ	59 UJ	12 UJ [13 UJ]	3,300 U	11 UJ	12 UJ	13 UJ	12 UJ	13 UJ	
2-Hexanone	--	ug/kg	12 UJ	13 UJ	14 UJ	12 UJ [11 UJ]	16,000 U	12 UJ	14 UJ	12 UJ	12 UJ	59 UJ	12 UJ [13 UJ]	3,300 U	11 UJ	12 UJ	13 UJ	12 UJ	13 UJ	
4-Methyl-2-Pentanone	--	ug/kg	12 U	13 U	14 U	12 U [11 U]	16,000 U	12 U	14 U	12 U	12 U	59 UJ	12 U [13 U]	3,300 U	11 U	12 U	13 U	12 U	13 U	
Acetone	50	ug/kg	11 J	6.5 J	5.7 J	24 U [23 U]	40,000 UJ	24 U	27 U	24 U	24 U	120 UJ	24 U [25 U]	8,200 UJ	22 U	24 U	27 U	25 U	26 U	
Benzene	60	ug/kg	5.9 U	6.4 U	1.8 J	6 U [5.7 U]	53,000	46	6.8 U	5.9 U	6.1 U	460 J	6 U [6.4 U]	13,000	9.1	6.1 U	6.6 U	6.2 U	6.4 U	
Bromodichloromethane	--	ug/kg	5.9 U	6.4 U	6.8 U	6 U [5.7 U]	16,000 U	6.1 U	6.8 U	5.9 U	6.1 U	30 UJ	6 U [6.4 U]	3,300 U	5.6 U	6.1 U	6.6 U	6.2 U	6.4 U	
Bromoform	--	ug/kg	5.9 UJ	6.4 UJ	6.8 UJ	6 U [5.7 U]	16,000 U	6.1 U	6.8 U	5.9 U	6.1 U	30 UJ	6 U [6.4 U]	3,300 U	5.6 U	6.1 U	6.6 UJ	6.2 UJ	6.4 UJ	
Bromomethane	--	ug/kg	5.9 UJ	6.4 UJ	6.8 UJ	6 UJ [5.7 UJ]	16,000 U	6.1 UJ	6.8 UJ	5.9 UJ	6.1 UJ	30 UJ	6 UJ [6.4 UJ]	3,300 U	5.6 UJ	6.1 UJ	6.6 UJ	6.2 UJ	6.4 UJ	
Carbon Disulfide	--	ug/kg	5.9 U	6.4 U	6.8 U	6 U [5.7 U]	16,000 U	6.1 U	6.8 U	5.9 U	6.1 U	30 UJ	6 U [6.4 U]	3,300 U	5.6 U	6.1 U	1.2 J	6.2 U	6.4 U	
Carbon Tetrachloride	760	ug/kg	5.9 U	6.4 U	6.8 U	6 U [5.7 U]	16,000 U	6.1 U	6.8 U	5.9 U	6.1 U	30 UJ	6 U [6.4 U]	3,300 U	5.6 U	6.1 U	6.6 U	6.2 U	6.4 U	
Chlorobenzene	1,100	ug/kg	5.9 U	6.4 U	6.8 U	6 U [5.7 U]	16,000 U	6.1 U	6.8 U	5.9 U	6.1 U	30 UJ	6 U [6.4 U]	3,300 U	5.6 U	6.1 U	6.6 U	6.2 U	6.4 U	
Chloroethane	--	ug/kg	5.9 U	6.4 U	6.8 U	6 U [5.7 U]	16,000 U	6.1 U	6.8 U	5.9 U	6.1 U	30 UJ	6 U [6.4 U]	3,300 U	5.6 U	6.1 UJ	6.6 U	6.2 U	6.4 U	
Chloroform	370	ug/kg	5.9 U	6.4 U	6.8 U	6 U [5.7 U]	16,000 U	6.1 U	6.8 U	5.9 U	6.1 U	30 UJ	6 U [6.4 U]	3,300 U	1.2 J	6.1 U	6.6 U	6.2 U	6.4 U	
Chloromethane	--	ug/kg	5.9 U	6.4 U	6.8 U	6 U [5.7 U]	16,000 U	6.1 U	6.8 U	5.9 U	6.1 U	30 UJ	6 U [6.4 U]	3,300 U	5.6 U	6.1 U	6.6 U	6.2 U	6.4 U	
cis-1,2-Dichloroethene	250	ug/kg	5.9 U	6.4 U	6.8 U	6 U [5.7 U]	16,000 U	6.1 U	6.8 U	5.9 U	6.1 U	30 UJ	6 U [6.4 U]	3,300 U	5.6 U	6.1 U	6.6 U	6.2 U	6.4 U	
cis-1,3-Dichloropropene	--	ug/kg	5.9 U	6.4 U	6.8 U	6 U [5.7 U]	16,000 U	6.1 U	6.8 U	5.9 U	6.1 U	30 UJ	6 U [6.4 U]	3,300 U	5.6 U	6.1 U	6.6 U	6.2 U	6.4 U	
Cyclohexane	--	ug/kg	5.9 U	6.4 U	6.8 U	6 U [5.7 U]	16,000 U	6.1 U	6.8 U	5.9 U	6.1 U	30 UJ	6 U [6.4 U]	3,300 U	5.6 U	6.1 U	6.6 U	6.2 U	6.4 U	
Dibromochloromethane	--	ug/kg	5.9 UJ	6.4 U	6.8 U	6 U [5.7 U]	16,000 U	6.1 U	6.8 U	5.9 U	6.1 U	30 UJ	6 U [6.4 U]	3,300 U	5.6 U	6.1 U	6.6 U	6.2 U	6.4 U	
Dichlorodifluoromethane	--	ug/kg	5.9 U	6.4 U	6.8 U	6 UJ [5.7 UJ]	16,000 U	6.1 UJ	6.8 UJ	5.9 UJ	6.1 U	30 UJ	6 UJ [6.4 UJ]	3,300 U	5.6 UJ	6.1 UJ	6.6 U	6.2 U	6.4 U	
Ethyl Benzene	1,000	ug/kg	5.9 U	6.4 U	6.8 U	6 U [5.7 U]	450,000	3.4 J	6.8 U	5.9 U	6.1 U	210 J	6 U [6.4 U]	98,000	15	6.1 U	6.6 U	6.2 U	6.4 U	
Isopropylbenzene	--	ug/kg	5.9 UJ	6.4 UJ	6.8 UJ	6 U [5.7 U]	48,000	3.3 J	6.8 U	5.9 U	6.1 U	30 UJ	6 U [6.4 U]	9,700	1.4 J	6.1 U	6.6 U	6.2 U	6.4 U	
Methyl Acetate	--	ug/kg	5.9 U	6.4 U	6.8 U	6 U [5.7 U]	16,000 U	6.1 U	6.8 U	5.9 U	6.1 U	30 UJ	6 U [6.4 U]	3,300 U	5.6 U	6.1 U	6.6 U	6.2 U	6.4 U	
Methyl Tertiary-Butyl Ether	930	ug/kg	5.9 U	6.4 U	6.8 U	6 U [5.7 U]	16,000 U	6.1 U	6.8 U	5.9 U	6.1 U	30 UJ	6 U [6.4 U]	3,300 U	5.6 U	6.1 U	6.6 U	6.2 U	6.4 U	
Methylcyclohexane	--	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methylene Chloride	50	ug/kg	24 U	26 U	27 U	24 UJ [23 UJ]	16,000 UJ	24 UJ	27 UJ	24 UJ	24 UJ	120 UJ	24 U [25 U]	3,300 U	22 U	24 UJ	27 UJ	25 UJ	26 UJ	
Styrene	--	ug/kg	5.9 U	6.4 U	6.8 U	6 U [5.7 U]	16,000 U	6.1 U	6.8 U	5.9 U	6.1 U	260 J	6 U [6.4 U]	3,300 U	5.6 U	6.1 U	6.6 U	6.2 U	6.4 U	
t-1,3-Dichloropropene	--	ug/kg	5.9 U	6.4 U	6.8 U	6 U [5.7 U]	16,000 U	6.1 U	6.8 U	5.9 U	6.1 U	30 UJ	6 U [6.4 U]	3,300 U	5.6 U	6.1 U	6.6 U	6.2 U	6.4 U	
Tetrachloroethene	1,300	ug/kg	5.9 U	6.4 U	6.8 U	6 U [5.7 U]	16,000 U	6.1 U	6.8 U	5.9 U	6.1 U	30 UJ	6 U [6.4 U]	3,300 U	5.6 U	6.1 U	6.6 U	6.2 U	6.4 U	
Toluene	700	ug/kg	5.9 U	6.4 U	6.8 U	6 U [5.7 U]	140,000	6.1 U	6.8 U	5.9 U	6.1 U	370 J	6 U [6.4 U]	670 J	5.6 U	6.1 U	6.6 U	6.2 U	6.4 U	
trans-1,2-Dichloroethene	190	ug/kg	5.9 U	6.4 U	6.8 U	6 U [5.7 U]	16,000 U	6.1 U	6.8 U	5.9 U	6.1 U	30 UJ	6 U [6.4 U]	3,300 U	5.6 U	6.1 U	6.6 U	6.2 U	6.4 U	
Trichloroethene	470	ug/kg	5.9 U	6.4 U	6.8 U	6 U [5.7 U]	16,000 U	6.1 U	6.8 U	5.9 U	6.1 U	30 UJ	6 U [6.4 U]	3,300 U	5.6 U	6.1 U	6.6 U	6.2 U	6.4 U	
Trichlorofluoromethane	--	ug/kg	5.9 U	6.4 U	6.8 U	6 U [5.7 U]	16,000 U	6.1 U	6.8 U	5.9 U	6.1 U	30 UJ	6 U [6.4 U]	3,300 U	5.6 U	6.1 U	6.6 U	6.2 U	6.4 U	
Vinyl Chloride	20	ug/kg	5.9 U	6.4 U	6.8 U	6 UJ [5.7 UJ]	16,000 UJ	6.1 UJ	6.8 UJ	5.9 UJ	6.1 UJ	30 UJ	6 UJ [6.4 UJ]	3,300 U	5.6 UJ	6.1 UJ	6.6 U	6.2 U	6.4 U	
Xylenes (total)	260	ug/kg	5.9 U	6.4 U	6.8 U	6 U [5.7 U]	520,000	2.9 J	6.8 U	5.9 U	6.1 U	510 J	6 U [6.4 U]	65,000	4.9 J	6.1 U	6.6 U	6.2 U	6.4 U	
Total VOCs	--	ug/kg	11 J	6.5 J	7.5 J	ND [ND]	1,720,000	56.7 J	ND	ND	ND	1,860 J	ND [ND]	242,000 J	33.6 J	ND	1.2 J	ND	ND	

See Notes on Page 8.

Table 17b. Summary of VOCs Detected in Subsurface Soil - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SB-111B 6 - 9 06/21/06	SB-111B 29 - 31 06/22/06	SB-111B 45 - 45.5 06/22/06	SB-111B 53 - 54 06/22/06	SB-112 5 - 7 06/23/06	SB-112 17 - 18 06/23/06	SB-112 34 - 35 07/27/06	SB-112 54 - 55 07/27/06	SB-113 5 - 7 07/13/06	SB-113 8.5 - 9.5 07/13/06	SB-113 9 - 10 07/27/06	SB-113 14 - 15 07/27/06	SB-113 22 - 23 07/27/06	SB-113 34 - 35 07/27/06	SB-115 9 - 10 07/25/06	SB-115 19 - 20 07/25/06
Volatile Organic Compounds																		
1,1,1-Trichloroethane	680	ug/kg	6.6 U	37,000 U [18,000 U]	6.4 U	6.3 U	8.1 U	34,000 U	5.9 U	6.3 U	5.3 U	27 U	27 U	26 U	6.4 U	6.4 U	6.5 U	11 U
1,1,2,2-Tetrachloroethane	--	ug/kg	6.6 U	37,000 U [18,000 U]	6.4 U	6.3 U	8.1 U	34,000 U	5.9 U	6.3 U	5.3 U	27 U	27 U	26 U	6.4 U	6.4 U	6.5 U	11 U
1,1,2-Trichloroethane	--	ug/kg	6.6 U	37,000 U [18,000 U]	6.4 U	6.3 U	8.1 U	34,000 U	5.9 U	6.3 U	5.3 U	27 U	27 U	26 U	6.4 U	6.4 U	6.5 U	11 U
1,1,2-Trichlorotrifluoroethane	--	ug/kg	6.6 U	37,000 U [18,000 U]	6.4 U	6.3 U	8.1 U	34,000 U	5.9 U	6.3 U	5.3 U	27 U	27 U	26 U	6.4 U	6.4 U	6.5 U	11 U
1,1-Dichloroethane	270	ug/kg	6.6 U	37,000 U [18,000 U]	6.4 U	6.3 U	8.1 U	34,000 U	5.9 U	6.3 U	5.3 U	27 U	27 U	26 U	6.4 U	6.4 U	6.5 U	11 U
1,1-Dichloroethene	330	ug/kg	6.6 U	37,000 U [18,000 U]	6.4 U	6.3 U	8.1 U	34,000 U	5.9 U	6.3 U	5.3 U	27 U	27 U	26 U	6.4 U	6.4 U	6.5 U	11 U
1,2,4-Trichlorobenzene	--	ug/kg	6.6 U	37,000 U [18,000 U]	6.4 U	6.3 U	8.1 U	34,000 U	5.9 U	6.3 U	5.3 U	27 U	27 U	26 U	6.4 U	6.4 U	6.5 U	11 U
1,2-Dibromo-3-Chloropropane	--	ug/kg	6.6 U	37,000 U [18,000 U]	6.4 U	6.3 U	8.1 U	34,000 U	5.9 U	6.3 U	5.3 U	27 U	27 U	26 U	6.4 U	6.4 U	6.5 U	11 U
1,2-Dibromoethane	--	ug/kg	6.6 U	37,000 U [18,000 U]	6.4 U	6.3 U	8.1 U	34,000 U	5.9 U	6.3 U	5.3 U	27 U	27 U	26 U	6.4 U	6.4 U	6.5 U	11 U
1,2-Dichlorobenzene	1,100	ug/kg	6.6 U	37,000 U [18,000 U]	6.4 U	6.3 U	8.1 U	34,000 U	5.9 U	6.3 U	5.3 U	27 U	27 U	26 U	6.4 U	6.4 U	6.5 U	11 U
1,2-Dichloroethane	20	ug/kg	6.6 U	37,000 U [18,000 U]	6.4 U	6.3 U	8.1 U	34,000 U	5.9 U	6.3 U	5.3 U	27 U	27 U	26 U	6.4 U	6.4 U	6.5 U	11 U
1,2-Dichloropropane	--	ug/kg	6.6 U	37,000 U [18,000 U]	6.4 U	6.3 U	8.1 U	34,000 U	5.9 U	6.3 U	5.3 U	27 U	27 U	26 U	6.4 U	6.4 U	6.5 U	11 U
1,3,5-Trimethylbenzene	8,400	ug/kg	6.6 U	270,000 [320,000]	6.4 U	6.3 U	16	1,200,000	5.9 U	6.3 U	5.3 U	27 U	150	26 U	6.4 U	6.4 U	6.5 U	11 U
1,3-Dichlorobenzene	2,400	ug/kg	6.6 U	37,000 U [18,000 U]	6.4 U	6.3 U	8.1 U	34,000 U	5.9 U	6.3 U	5.3 U	27 U	27 U	26 U	6.4 U	6.4 U	6.5 U	11 U
1,4-Dichlorobenzene	1,800	ug/kg	6.6 U	37,000 U [18,000 U]	6.4 U	6.3 U	8.1 U	34,000 U	5.9 U	6.3 U	5.3 U	27 U	27 U	26 U	6.4 U	6.4 U	6.5 U	11 U
2-Butanone	120	ug/kg	13 U	37,000 U [18,000 U]	13 U	13 U	16 U	34,000 U	12 U	13 U	11 U	54 U	55 U	53 U	13 U	13 U	13 U	23 U
2-Hexanone	--	ug/kg	13 U	37,000 U [18,000 U]	13 U	13 U	16 U	34,000 U	12 U	13 U	11 U	54 U	55 U	53 U	13 U	13 U	13 U	23 U
4-Methyl-2-Pentanone	--	ug/kg	13 U	37,000 U [18,000 U]	13 U	13 U	16 U	34,000 U	12 U	13 U	11 U	54 U	55 U	53 U	13 U	13 U	13 U	23 U
Acetone	50	ug/kg	26 U	92,000 U [45,000 U]	25 U	25 U	33 U	86,000 U	24 U	25 U	21 U	110 U	110 U	110 U	26 U	26 U	26 U	46 U
Benzene	60	ug/kg	1.3 J	48,000 [41,000]	6.4 U	6.3 U	13	250,000	5.9 U	6.3 U	5.3 U	27 U	27 U	26 U	1.5 J	240	6.5 U	390
Bromodichloromethane	--	ug/kg	6.6 U	37,000 U [18,000 U]	6.4 U	6.3 U	8.1 U	34,000 U	5.9 U	6.3 U	5.3 U	27 U	27 U	26 U	6.4 U	6.4 U	6.5 U	11 U
Bromoform	--	ug/kg	6.6 U	37,000 U [18,000 U]	6.4 U	6.3 U	8.1 U	34,000 U	5.9 U	6.3 U	5.3 U	27 U	27 U	26 U	6.4 U	6.4 U	6.5 U	11 U
Bromomethane	--	ug/kg	6.6 U	37,000 U [18,000 U]	6.4 U	6.3 U	8.1 U	34,000 U	5.9 U	6.3 U	5.3 U	27 U	27 U	26 U	6.4 U	6.4 U	6.5 U	11 U
Carbon Disulfide	--	ug/kg	1.2 J	37,000 U [18,000 U]	6.4 U	6.3 U	8.1 U	34,000 U	2 J	6.3 U	5.3 U	27 U	27 U	26 U	6.4 U	6.4 U	6.5 U	1.7 J
Carbon Tetrachloride	760	ug/kg	6.6 U	37,000 U [18,000 U]	6.4 U	6.3 U	8.1 U	34,000 U	5.9 U	6.3 U	5.3 U	27 U	27 U	26 U	6.4 U	6.4 U	6.5 U	11 U
Chlorobenzene	1,100	ug/kg	6.6 U	37,000 U [18,000 U]	6.4 U	6.3 U	8.1 U	34,000 U	5.9 U	6.3 U	5.3 U	27 U	27 U	26 U	6.4 U	6.4 U	6.5 U	11 U
Chloroethane	--	ug/kg	6.6 U	37,000 U [18,000 U]	6.4 U	6.3 U	8.1 U	34,000 U	5.9 U	6.3 U	5.3 U	27 U	27 U	26 U	6.4 U	6.4 U	6.5 U	11 U
Chloroform	370	ug/kg	6.6 U	37,000 U [18,000 U]	6.4 U	6.3 U	8.1 U	34,000 U	5.9 U	6.3 U	5.3 U	27 U	27 U	26 U	6.4 U	6.4 U	6.5 U	11 U
Chloromethane	--	ug/kg	6.6 U	37,000 U [18,000 U]	6.4 U	6.3 U	8.1 U	34,000 U	5.9 U	6.3 U	5.3 U	27 U	27 U	26 U	6.4 U	6.4 U	6.5 U	11 U
cis-1,2-Dichloroethene	250	ug/kg	6.6 U	37,000 U [18,000 U]	6.4 U	6.3 U	8.1 U	34,000 U	5.9 U	6.3 U	5.3 U	27 U	27 U	26 U	6.4 U	6.4 U	6.5 U	11 U
cis-1,3-Dichloropropene	--	ug/kg	6.6 U	37,000 U [18,000 U]	6.4 U	6.3 U	8.1 U	34,000 U	5.9 U	6.3 U	5.3 U	27 U	27 U	26 U	6.4 U	6.4 U	6.5 U	11 U
Cyclohexane	--	ug/kg	6.6 U	37,000 U [18,000 U]	6.4 U	6.3 U	8.1 U	40,000	5.9 U	6.3 U	5.3 U	27 U	27 U	26 U	6.4 U	6.4 U	6.5 U	11 U
Dibromochloromethane	--	ug/kg	6.6 U	37,000 U [18,000 U]	6.4 U	6.3 U	8.1 U	34,000 U	5.9 U	6.3 U	5.3 U	27 U	27 U	26 U	6.4 U	6.4 U	6.5 U	11 U
Dichlorodifluoromethane	--	ug/kg	6.6 U	37,000 U [18,000 U]	6.4 U	6.3 U	8.1 U	34,000 U	5.9 U	6.3 U	5.3 U	27 U	27 U	26 U	6.4 U	6.4 U	6.5 U	11 U
Ethyl Benzene	1,000	ug/kg	6.6 U	520,000 [510,000]	6.4 U	6.3 U	23	1,000,000	5.9 U	6.3 U	5.3 U	27 U	27 U	210	6.4 U	6.4 U	6.5 U	2.3 J
Isopropylbenzene	--	ug/kg	6.6 U	62,000 [66,000]	6.4 U	6.3 U	4.7 J	140,000	5.9 U	6.3 U	5.3 U	6.8 J	88	130	6.4 U	6.4 U	6.5 U	11 U
Methyl Acetate	--	ug/kg	6.6 U	37,000 U [18,000 U]	6.4 U	6.3 U	8.1 U	34,000 U	5.9 U	6.3 U	5.3 U	27 U	27 U	26 U	6.4 U	6.4 U	6.5 U	11 U
Methyl Tertiary-Butyl Ether	930	ug/kg	6.6 U	37,000 U [18,000 U]	6.4 U	6.3 U	8.1 U	34,000 U	5.9 U	6.3 U	5.3 U	27 U	27 U	26 U	6.4 U	6.4 U	6.5 U	11 U
Methylcyclohexane	--	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	50	ug/kg	26 U	37,000 U [18,000 U]	25 U	25 U	33 U	34,000 U	24 U	25 U	21 U	110 U	110 U	110 U	26 U	26 U	26 U	46 U
Styrene	--	ug/kg	6.6 U	17,000 J [18,000 U]	6.4 U	6.3 U	8.1 U	21,000 J	5.9 U	6.3 U	5.3 U	27 U	27 U	26 U	6.4 U	6.4 U	6.5 U	3.4 J
t-1,3-Dichloropropene	--	ug/kg	6.6 U	37,000 U [18,000 U]	6.4 U	6.3 U	8.1 U	34,000 U	5.9 U	6.3 U	5.3 U	27 U	27 U	26 U	6.4 U	6.4 U	6.5 U	11 U
Tetrachloroethene	1,300	ug/kg	6.6 U	37,000 U [18,000 U]	6.4 U	6.3 U	8.1 U	34,000 U	5.9 U	6.3 U	5.3 U	27 U	27 U	26 U	6.4 U	6.4 U	6.5 U	11 U
Toluene	700	ug/kg	6.6 U	36,000 J [31,000]	6.4 U	6.3 U	6.9 J	470,000	5.9 U	6.3 U	5.3 U	27 U	27 U	56	6.4 U	6.4 U	6.5 U	120
trans-1,2-Dichloroethene	190	ug/kg	6.6 U	37,000 U [18,000 U]	6.4 U	6.3 U	8.1 U	34,000 U	5.9 U	6.3 U	5.3 U	27 U	27 U	26 U	6.4 U	6.4 U	6.5 U	11 U
Trichloroethene	470	ug/kg	6.6 U	37,000 U [18,000 U]	6.4 U	6.3 U	8.1 U	34,000 U	5.9 U	6.3 U	5.3 U	27 U	27 U	26 U	6.4 U	6.4 U	6.5 U	11 U
Trichlorofluoromethane	--	ug/kg	6.6 U	37,000 U [18,000 U]	6.4 U	6.3 U	8.1 U	34,000 U	5.9 U	6.3 U	5.3 U	27 U	27 U	26 U	6.4 U	6.4 U	6.5 U	11 U
Vinyl Chloride	20	ug/kg	6.6 U	37,000 U [18,000 U]	6.4 U	6.3 U	8.1 U	34,000 U	5.9 U	6.3 U	5.3 U	27 U	27 U	26 U	6.4 U	6.4 U	6.5 U	11 U
Xylenes (total)	260	ug/kg	6.6 U	680,000 [670,000]	6.4 U	6.3 U	29	1,600,000	5.9 U	6.3 U	5.3 U	27 U	27 U	260	6.4 U	6.4 U	6.5 U	22
Total VOCs	--	ug/kg	2.5 J	1,630,000 J [1,640,000]	ND	ND	92.6 J	4,720,000 J	2 J	ND	ND	6.8 J	238	682 J	1.5 J	240	ND	539 J

See Notes on Page 8.

Table 17b. Summary of VOCs Detected in Subsurface Soil - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SB-115 23 - 24 07/25/06	SB-115 33 - 34 07/25/06	SB-116 5 - 7 06/13/06	SB-116 14 - 16 06/23/06	SB-116 20 - 20.5 06/23/06	SB-116 38 - 39 06/23/06	SB-117 6 - 8 07/06/06	SB-117 16 - 18 07/06/06	SB-117 25.5 - 26 07/06/06	SB-117 34 - 36 07/06/06	SB-118 9 - 11 06/26/06	SB-118 19 - 21 06/26/06	SB-118 23 - 23.5 06/26/06	SB-118 43 - 45 06/26/06	SB-119 7 - 9 06/13/06	SB-119 11 - 13 06/13/06
Volatile Organic Compounds																		
1,1,1-Trichloroethane	680	ug/kg	6.5 U	6.8 U [6.8 U]	5.6 U [5.5 U]	3,200 U	9.1 U	31 U	6 UJ	810 U	6 U	5.9 U [6.4 U]	6.8 U	610 U	6.9 U	6.1 U	2,900 U	31 U
1,1,2,2-Tetrachloroethane	--	ug/kg	6.5 U	6.8 U [6.8 U]	5.6 U [5.5 U]	3,200 U	9.1 U	31 U	6 U	810 U	6 U	5.9 U [6.4 U]	6.8 U	610 U	6.9 U	6.1 U	2,900 U	31 U
1,1,2-Trichloroethane	--	ug/kg	6.5 U	6.8 U [6.8 U]	5.6 U [5.5 U]	3,200 U	9.1 U	31 U	6 U	810 U	6 U	5.9 U [6.4 U]	6.8 U	610 U	6.9 U	6.1 U	2,900 U	31 U
1,1,2-Trichlorotrifluoroethane	--	ug/kg	6.5 UJ	6.8 U [6.8 UJ]	5.6 U [5.5 U]	3,200 U	9.1 U	31 U	6 U	810 U	6 U	5.9 U [6.4 U]	6.8 U	610 U	6.9 U	6.1 U	2,900 U	31 U
1,1-Dichloroethane	270	ug/kg	6.5 U	6.8 U [6.8 U]	5.6 U [5.5 U]	3,200 U	9.1 U	31 U	6 U	810 U	6 U	5.9 U [6.4 U]	6.8 U	610 U	6.9 U	6.1 U	2,900 U	31 U
1,1-Dichloroethene	330	ug/kg	6.5 U	6.8 U [6.8 U]	5.6 U [5.5 U]	3,200 U	9.1 U	31 U	6 U	810 U	6 U	5.9 U [6.4 U]	6.8 U	610 U	6.9 U	6.1 U	2,900 U	31 U
1,2,4-Trichlorobenzene	--	ug/kg	6.5 U	6.8 U [6.8 U]	5.6 UJ [5.5 UJ]	3,200 UJ	9.1 U	31 U	6 U	810 U	6 U	5.9 U [6.4 U]	6.8 U	610 UJ	6.9 U	6.1 U	2,900 U	31 UJ
1,2-Dibromo-3-Chloropropane	--	ug/kg	6.5 UJ	6.8 UJ [6.8 UJ]	5.6 U [5.5 U]	3,200 UJ	9.1 UJ	31 UJ	6 UJ	810 U	6 UJ	5.9 UJ [6.4 UJ]	6.8 UJ	610 UJ	6.9 UJ	6.1 UJ	2,900 U	31 U
1,2-Dibromoethane	--	ug/kg	6.5 U	6.8 U [6.8 U]	5.6 U [5.5 U]	3,200 U	9.1 U	31 U	6 U	810 U	6 U	5.9 U [6.4 U]	6.8 U	610 U	6.9 U	6.1 U	2,900 U	31 U
1,2-Dichlorobenzene	1,100	ug/kg	6.5 U	6.8 U [6.8 U]	5.6 U [5.5 U]	3,200 U	9.1 U	31 U	6 U	810 U	6 U	5.9 U [6.4 U]	6.8 U	610 U	6.9 U	6.1 U	2,900 U	31 U
1,2-Dichloroethane	20	ug/kg	6.5 U	6.8 U [6.8 U]	5.6 U [5.5 U]	3,200 U	9.1 U	31 U	6 U	810 U	6 U	5.9 U [6.4 U]	6.8 U	610 U	6.9 U	6.1 U	2,900 U	31 U
1,2-Dichloropropane	--	ug/kg	6.5 U	6.8 U [6.8 U]	5.6 U [5.5 U]	3,200 U	9.1 U	31 U	6 U	810 U	6 U	5.9 U [6.4 U]	6.8 U	610 U	6.9 U	6.1 U	2,900 U	31 U
1,3,5-Trimethylbenzene	8,400	ug/kg	1.7 J	6.8 U [6.8 U]	1.5 J [5.5 U]	78,000	9.1 U	31 U	6 U	19,000	2.7 J	5.9 U [6.4 U]	6.8 U	1,100	6.6 J	6.1 U	33,000	190
1,3-Dichlorobenzene	2,400	ug/kg	6.5 U	6.8 U [6.8 U]	5.6 U [5.5 U]	3,200 U	9.1 U	31 U	6 U	810 U	6 U	5.9 U [6.4 U]	6.8 U	610 U	6.9 U	6.1 U	2,900 U	31 U
1,4-Dichlorobenzene	1,800	ug/kg	6.5 U	6.8 U [6.8 U]	5.6 U [5.5 U]	3,200 U	9.1 U	31 U	6 U	810 U	6 U	5.9 U [6.4 U]	6.8 U	610 U	6.9 U	6.1 U	2,900 U	31 U
2-Butanone	120	ug/kg	13 UJ	14 UJ [14 UJ]	11 UJ [11 UJ]	3,200 U	18 UJ	62 UJ	12 UJ	810 UJ	12 UJ	12 UJ [13 UJ]	14 UJ	610 U	14 UJ	12 UJ	2,900 U	62 UJ
2-Hexanone	--	ug/kg	13 UJ	14 UJ [14 UJ]	11 UJ [11 UJ]	3,200 U	18 UJ	62 UJ	12 UJ	810 U	12 UJ	12 UJ [13 UJ]	14 UJ	610 U	14 UJ	12 UJ	2,900 U	62 UJ
4-Methyl-2-Pentanone	--	ug/kg	13 UJ	14 UJ [14 UJ]	11 U [11 U]	3,200 U	18 U	62 U	12 U	810 U	12 U	12 U [13 U]	14 U	610 U	14 U	12 U	2,900 U	62 U
Acetone	50	ug/kg	26 U	27 U [27 U]	22 U [22 U]	8,100 UJ	47 J	120 U	42 J	2,000 UJ	39	24 U [25 U]	27 U	1,500 UJ	73	24 U	7,200 UJ	120 U
Benzene	60	ug/kg	27	4.8 J [4.4 J]	1.3 J [5.5 U]	9,600	82	1,100	36 J	3,700	2 J	1.2 J [6.4 U]	6.8 U	420 J	200	6.1 U	8,500	180
Bromodichloromethane	--	ug/kg	6.5 U	6.8 U [6.8 U]	5.6 U [5.5 U]	3,200 U	9.1 U	31 U	6 U	810 U	6 U	5.9 U [6.4 U]	6.8 U	610 U	6.9 U	6.1 U	2,900 U	31 U
Bromoform	--	ug/kg	6.5 UJ	6.8 UJ [6.8 UJ]	5.6 U [5.5 U]	3,200 U	9.1 UJ	31 UJ	6 UJ	810 UJ	6 UJ	5.9 UJ [6.4 UJ]	6.8 UJ	610 U	6.9 UJ	6.1 UJ	2,900 U	31 U
Bromomethane	--	ug/kg	6.5 UJ	6.8 UJ [6.8 UJ]	5.6 UJ [5.5 UJ]	3,200 U	9.1 UJ	31 UJ	6 UJ	810 U	6 UJ	5.9 UJ [6.4 UJ]	6.8 UJ	610 U	6.9 UJ	6.1 UJ	2,900 U	31 UJ
Carbon Disulfide	--	ug/kg	6.5 U	6.8 U [6.8 U]	5.6 U [5.5 U]	3,200 U	1.2 J	31 U	4.7 J	810 U	3.5 J	2.5 J [3.1 J]	1 J	610 U	6.9 U	6.1 U	2,900 U	31 U
Carbon Tetrachloride	760	ug/kg	6.5 U	6.8 U [6.8 U]	5.6 U [5.5 U]	3,200 U	9.1 U	31 U	6 UJ	810 U	6 U	5.9 U [6.4 U]	6.8 U	610 U	6.9 U	6.1 U	2,900 U	31 U
Chlorobenzene	1,100	ug/kg	6.5 U	6.8 U [6.8 U]	5.6 U [5.5 U]	3,200 U	7.2 J	31 U	6 UJ	810 U	6 U	5.9 U [6.4 U]	6.8 U	610 U	6.9 U	6.1 U	2,900 U	31 U
Chloroethane	--	ug/kg	6.5 U	6.8 U [6.8 U]	5.6 U [5.5 U]	3,200 U	9.1 U	31 U	6 U	810 U	6 U	5.9 U [6.4 U]	6.8 U	610 U	6.9 U	6.1 U	2,900 U	31 U
Chloroform	370	ug/kg	6.5 U	6.8 U [6.8 U]	5.6 U [5.5 U]	3,200 U	9.1 U	31 U	6 U	810 U	6 U	5.9 U [6.4 U]	6.8 U	610 U	6.9 U	6.1 U	2,900 U	31 U
Chloromethane	--	ug/kg	6.5 U	6.8 U [6.8 U]	5.6 U [5.5 U]	3,200 U	9.1 U	31 U	6 U	810 UJ	6 U	5.9 U [6.4 U]	6.8 U	610 U	6.9 U	6.1 U	2,900 U	31 U
cis-1,2-Dichloroethene	250	ug/kg	6.5 U	6.8 U [6.8 U]	5.6 U [5.5 U]	3,200 U	9.1 U	31 U	6 U	810 U	6 U	5.9 U [6.4 U]	6.8 U	610 U	6.9 U	6.1 U	2,900 U	31 U
cis-1,3-Dichloropropene	--	ug/kg	6.5 U	6.8 U [6.8 U]	5.6 U [5.5 U]	3,200 U	9.1 U	31 U	6 U	810 U	6 U	5.9 U [6.4 U]	6.8 U	610 U	6.9 U	6.1 U	2,900 U	31 U
Cyclohexane	--	ug/kg	6.5 U	6.8 U [6.8 U]	5.6 U [5.5 U]	3,200 U	2.7 J	31 U	6.2 J	200 J	6 U	5.9 U [6.4 U]	6.8 U	610 U	6.9 U	6.1 U	2,900 U	31 U
Dibromochloromethane	--	ug/kg	6.5 U	6.8 U [6.8 U]	5.6 U [5.5 U]	3,200 U	9.1 U	31 U	6 UJ	810 U	6 U	5.9 U [6.4 U]	6.8 U	610 U	6.9 U	6.1 U	2,900 U	31 U
Dichlorodifluoromethane	--	ug/kg	6.5 U	6.8 U [6.8 U]	5.6 U [5.5 U]	3,200 U	9.1 U	31 U	6 U	810 UJ	6 U	5.9 U [6.4 U]	6.8 U	610 U	6.9 U	6.1 U	2,900 U	31 U
Ethyl Benzene	1,000	ug/kg	2.6 J	6.8 U [6.8 U]	5.6 U [5.5 U]	85,000	16	31 U	16 J	28,000	2 J	5.9 U [1.6 J]	6.8 U	4,000	17	6.1 U	98,000	690
Isopropylbenzene	--	ug/kg	22	6.8 U [6.8 U]	5.6 U [5.5 U]	10,000	2.4 J	31 U	18 J	5,000	6 U	5.9 U [6.4 U]	6.8 U	970	18	6.1 U	11,000	160
Methyl Acetate	--	ug/kg	6.5 U	6.8 U [6.8 U]	5.6 UJ [5.5 UJ]	3,200 U	9.1 U	31 U	6 U	810 U	6 U	5.9 U [6.4 U]	6.8 U	97 J	6.9 U	6.1 U	2,900 U	31 UJ
Methyl Tertiary-Butyl Ether	930	ug/kg	6.5 U	6.8 U [6.8 U]	5.6 U [5.5 U]	3,200 U	9.1 U	31 U	6 U	810 U	6 U	5.9 U [6.4 U]	6.8 U	610 U	6.9 U	6.1 U	2,900 U	31 U
Methylcyclohexane	--	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	50	ug/kg	26 U	27 U [27 U]	22 U [22 U]	3,200 U	37 UJ	120 UJ	24 UJ	810 UB	24 UJ	24 UJ [25 UJ]	28 UJ	610 U	28 UJ	24 UJ	2,900 U	120 U
Styrene	--	ug/kg	6.5 U	6.8 U [6.8 U]	5.6 U [5.5 U]	1,000 J	9.1 U	31 U	6 UJ	810 U	6 U	5.9 U [6.4 U]	6.8 U	610 U	6.9 U	6.1 U	2,900 U	31 U
t-1,3-Dichloropropene	--	ug/kg	6.5 U	6.8 U [6.8 U]	5.6 U [5.5 U]	3,200 U	9.1 U	31 U	6 U	810 U	6 U	5.9 U [6.4 U]	6.8 U	610 U	6.9 U	6.1 U	2,900 U	31 U
Tetrachloroethene	1,300	ug/kg	6.5 U	6.8 U [6.8 U]	5.6 U [5.5 U]	3,200 U	9.1 U	31 U	6 UJ	810 U	6 U	5.9 U [6.4 U]	6.8 U	610 U	6.9 U	6.1 U	2,900 U	31 U
Toluene	700	ug/kg	1.2 J	6.8 U [6.8 U]	1.2 J [5.5 U]	8,400	9.1 U	31 U	11 J	320 J	6 U	1.8 J [6.4 U]	1.3 J	98 J	1.8 J	6.1 U	4,400	31 U
trans-1,2-Dichloroethene	190	ug/kg	6.5 U	6.8 U [6.8 U]	5.6 U [5.5 U]	3,200 U	9.1 U	31 U	6 U	810 U	6 U	5.9 U [6.4 U]	6.8 U	610 U	6.9 U	6.1 U	2,900 U	31 U
Trichloroethene	470	ug/kg	6.5 U	6.8 U [6.8 U]	5.6 U [5.5 U]	3,200 U	9.1 U	31 U	6 U	810 U	6 U	5.9 U [6.4 U]	6.8 U	610 U	6.9 U	6.1 U	2,900 U	31 U
Trichlorofluoromethane	--	ug/kg	6.5 U	6.8 UJ [6.8 U]	5.6 U [5.5 U]	3,200 U	9.1 U	31 U	6 U	810 U	6 U	5.9 U [6.4 U]	6.8 U	610 U	6.9 U	6.1 U	2,900 U	31 U
Vinyl Chloride	20	ug/kg	6.5 U	6.8 U [6.8 U]	5.6 U [5.5 U]	3,200 U	9.1 U	31 U	6 U	810 U	6 U	5.9 U [6.4 U]	6.8 U	610 U	6.9 U	6.1 U	2,900 U	31 U
Xylenes (total)	260	ug/kg	10	6.8 U [6.8 U]	5.6 U [5.5 U]	82,000	14	31 U	21 J	13,000	4.8 J	5.9 U [6.4 U]	6.8 U	3,000	37	6.1 U	43,000	430
Total VOCs	--	ug/kg	64.5 J	4.8 J [4.4 J]	4 J [ND]	274,000 J	173 J	1,100	155 J	69,200 J	54 J	5.5 J [4.7 J]	2.3 J	9,690 J	353 J	ND	198,000	1,650

See Notes on Page 8.

Table 17b. Summary of VOCs Detected in Subsurface Soil - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SB-119 17 - 19 06/13/06	SB-119 37 - 39 06/14/06	SB-120 5 - 7 06/30/06	SB-120 11 - 13 06/30/06	SB-120 17 - 17.5 06/30/06	SB-120 33 - 35 06/30/06	SB-121 9 - 10 07/25/06	SB-121 11 - 12 07/25/06	SB-121 29 - 30 07/25/06	SB-121 39 - 40 07/25/06	SB-122 9 - 10 07/27/06	SB-122 13 - 14 07/27/06	SB-122 20 - 20.5 07/27/06	SB-122 39 - 40 07/27/06	SB-123 5 - 7 06/09/06	SB-123 13 - 15 06/09/06	SB-123 19.5 - 20 06/09/06
Volatile Organic Compounds																			
1,1,1-Trichloroethane	680	ug/kg	5.9 U	6.4 U	6.9 U [7 U]	6.6 U	6.8 U	6.6 U	6 U	6.6 U	6.6 U	6.3 U	7 U	10 U	6.7 U [6.6 U]	6.1 U	6 U [7.4 U]	6.1 U	6.3 U
1,1,2,2-Tetrachloroethane	--	ug/kg	5.9 U	6.4 U	6.9 U [7 U]	6.6 U	6.8 U	6.6 U	6 U	6.6 U	6.6 U	6.3 U	7 U	10 U	6.7 U [6.6 U]	6.1 U	6 U [7.4 U]	6.1 U	6.3 U
1,1,2-Trichloroethane	--	ug/kg	5.9 U	6.4 U	6.9 U [7 U]	6.6 U	6.8 U	6.6 U	6 U	6.6 U	6.6 U	6.3 U	7 U	10 U	6.7 U [6.6 U]	6.1 U	6 U [7.4 U]	6.1 U	6.3 U
1,1,2-Trichlorotrifluoroethane	--	ug/kg	5.9 U	6.4 U	6.9 U [7 U]	6.6 U	6.8 U	6.6 U	6 U	6.6 U	6.6 U	6.3 U	7 U	10 U	6.7 U [6.6 U]	6.1 U	6 U [7.4 U]	6.1 U	6.3 U
1,1-Dichloroethane	270	ug/kg	5.9 U	6.4 U	6.9 U [7 U]	6.6 U	6.8 U	6.6 U	6 U	6.6 U	6.6 U	6.3 U	7 U	10 U	6.7 U [6.6 U]	6.1 U	6 U [7.4 U]	6.1 U	6.3 U
1,1-Dichloroethene	330	ug/kg	5.9 U	6.4 U	6.9 U [7 U]	6.6 U	6.8 U	6.6 U	6 U	6.6 U	6.6 U	6.3 U	7 U	10 U	6.7 U [6.6 U]	6.1 U	6 U [7.4 U]	6.1 U	6.3 U
1,2,4-Trichlorobenzene	--	ug/kg	5.9 U	6.4 U	6.9 U [7 U]	6.6 U	6.8 U	6.6 U	6 U	6.6 U	6.6 U	6.3 U	7 U	10 U	6.7 U [6.6 U]	6.1 U	6 U [7.4 U]	6.1 U	6.3 U
1,2-Dibromo-3-Chloropropane	--	ug/kg	5.9 U	6.4 U	6.9 U [7 U]	6.6 U	6.8 U	6.6 U	6 U	6.6 U	6.6 U	6.3 U	7 U	10 U	6.7 U [6.6 U]	6.1 U	6 U [7.4 U]	6.1 U	6.3 U
1,2-Dibromoethane	--	ug/kg	5.9 U	6.4 U	6.9 U [7 U]	6.6 U	6.8 U	6.6 U	6 U	6.6 U	6.6 U	6.3 U	7 U	10 U	6.7 U [6.6 U]	6.1 U	6 U [7.4 U]	6.1 U	6.3 U
1,2-Dichlorobenzene	1,100	ug/kg	5.9 U	6.4 U	6.9 U [7 U]	6.6 U	6.8 U	6.6 U	6 U	6.6 U	6.6 U	6.3 U	7 U	10 U	6.7 U [6.6 U]	6.1 U	6 U [7.4 U]	6.1 U	6.3 U
1,2-Dichloroethane	20	ug/kg	5.9 U	6.4 U	6.9 U [7 U]	6.6 U	6.8 U	6.6 U	6 U	6.6 U	6.6 U	6.3 U	7 U	10 U	6.7 U [6.6 U]	6.1 U	6 U [7.4 U]	6.1 U	6.3 U
1,2-Dichloropropane	--	ug/kg	5.9 U	6.4 U	6.9 U [7 U]	6.6 U	6.8 U	6.6 U	6 U	6.6 U	6.6 U	6.3 U	7 U	10 U	6.7 U [6.6 U]	6.1 U	6 U [7.4 U]	6.1 U	6.3 U
1,3,5-Trimethylbenzene	8,400	ug/kg	43	6.4 U	6.9 U [7 U]	6.6 U	6.8 U	6.6 U	6 U	6.6 U	6.6 U	6.3 U	4.5 J	9.2 J	6.7 U [6.6 U]	6.1 U	6 U [9.3]	6.1 U	6.3 U
1,3-Dichlorobenzene	2,400	ug/kg	5.9 U	6.4 U	6.9 U [7 U]	6.6 U	6.8 U	6.6 U	6 U	6.6 U	6.6 U	6.3 U	7 U	10 U	6.7 U [6.6 U]	6.1 U	6 U [7.4 U]	6.1 U	6.3 U
1,4-Dichlorobenzene	1,800	ug/kg	5.9 U	6.4 U	6.9 U [7 U]	6.6 U	6.8 U	6.6 U	6 U	6.6 U	6.6 U	6.3 U	7 U	10 U	6.7 U [6.6 U]	6.1 U	6 U [7.4 U]	6.1 U	6.3 U
2-Butanone	120	ug/kg	12 U	13 U	14 U [14 U]	13 U	14 U	13 U	12 U	13 U	13 U	13 U	29 J	22 J	13 U [13 U]	12 U	12 U [15 U]	12 U	13 U
2-Hexanone	--	ug/kg	12 U	13 U	14 U [14 U]	13 U	14 U	13 U	12 U	13 U	13 U	13 U	14 U	20 U	13 U [13 U]	12 U	12 U [15 U]	12 U	13 U
4-Methyl-2-Pentanone	--	ug/kg	12 U	13 U	14 U [14 U]	13 U	14 U	13 U	12 U	13 U	13 U	13 U	14 U	20 U	13 U [13 U]	12 U	12 U [15 U]	12 U	13 U
Acetone	50	ug/kg	24 U	26 U	28 U [28 U]	27 U	27 U	26 U	24 U	26 U	31 U	25 U	170 J	140	27 U [26 U]	24 U	13 J [29 U]	24 J	14 J
Benzene	60	ug/kg	39	6.4 U	6.9 U [7 U]	4.3 J	1.5 J	18	6 U	6.6 U	6.6 U	6.3 U	7 U	6.8 J	22 J [4.8 J]	6.1 U	6 U [7.4 U]	6.1	6.3 U
Bromodichloromethane	--	ug/kg	5.9 U	6.4 U	6.9 U [7 U]	6.6 U	6.8 U	6.6 U	6 U	6.6 U	6.6 U	6.3 U	7 U	10 U	6.7 U [6.6 U]	6.1 U	6 U [7.4 U]	6.1 U	6.3 U
Bromoform	--	ug/kg	5.9 U	6.4 U	6.9 U [7 U]	6.6 U	6.8 U	6.6 U	6 U	6.6 U	6.6 U	6.3 U	7 U	10 U	6.7 U [6.6 U]	6.1 U	6 U [7.4 U]	6.1 U	6.3 U
Bromomethane	--	ug/kg	5.9 U	6.4 U	6.9 U [7 U]	6.6 U	6.8 U	6.6 U	6 U	6.6 U	6.6 U	6.3 U	7 U	10 U	6.7 U [6.6 U]	6.1 U	6 U [7.4 U]	6.1 U	6.3 U
Carbon Disulfide	--	ug/kg	5.9 U	6.4 U	6.9 U [7 U]	1.7 J	13	0.83 J	6 U	6.6 U	6.6 U	6.3 U	2.2 J	1.5 J	1.5 J [6.6 U]	6.1 U	6 U [7.4 U]	1.4 J	2.1 J
Carbon Tetrachloride	760	ug/kg	5.9 U	6.4 U	6.9 U [7 U]	6.6 U	6.8 U	6.6 U	6 U	6.6 U	6.6 U	6.3 U	7 U	10 U	6.7 U [6.6 U]	6.1 U	6 U [7.4 U]	6.1 U	6.3 U
Chlorobenzene	1,100	ug/kg	5.9 U	6.4 U	6.9 U [7 U]	6.6 U	6.8 U	6.6 U	6 U	6.6 U	6.6 U	6.3 U	7 U	10 U	6.7 U [6.6 U]	6.1 U	6 U [7.4 U]	6.1 U	6.3 U
Chloroethane	--	ug/kg	5.9 U	6.4 U	6.9 U [7 U]	6.6 U	6.8 U	6.6 U	6 U	6.6 U	6.6 U	6.3 U	7 U	10 U	6.7 U [6.6 U]	6.1 U	6 U [7.4 U]	6.1 U	6.3 U
Chloroform	370	ug/kg	5.9 U	6.4 U	6.9 U [7 U]	6.6 U	6.8 U	6.6 U	6 U	6.6 U	6.6 U	6.3 U	7 U	10 U	6.7 U [6.6 U]	6.1 U	6 U [7.4 U]	6.1 U	6.3 U
Chloromethane	--	ug/kg	5.9 U	6.4 U	6.9 U [7 U]	6.6 U	6.8 U	6.6 U	6 U	6.6 U	6.6 U	6.3 U	7 U	10 U	6.7 U [6.6 U]	6.1 U	6 U [7.4 U]	6.1 U	6.3 U
cis-1,2-Dichloroethene	250	ug/kg	5.9 U	6.4 U	6.9 U [7 U]	6.6 U	6.8 U	6.6 U	6 U	6.6 U	6.6 U	6.3 U	7 U	10 U	6.7 U [6.6 U]	6.1 U	6 U [7.4 U]	6.1 U	6.3 U
cis-1,3-Dichloropropene	--	ug/kg	5.9 U	6.4 U	6.9 U [7 U]	6.6 U	6.8 U	6.6 U	6 U	6.6 U	6.6 U	6.3 U	7 U	10 U	6.7 U [6.6 U]	6.1 U	6 U [7.4 U]	6.1 U	6.3 U
Cyclohexane	--	ug/kg	5.9 U	6.4 U	6.9 U [7 U]	6.6 U	6.8 U	6.6 U	6 U	6.6 U	6.6 U	6.3 U	7 U	10 U	6.7 U [6.6 U]	6.1 U	6 U [7.4 U]	6.1 U	2.4 J
Dibromochloromethane	--	ug/kg	5.9 U	6.4 U	6.9 U [7 U]	6.6 U	6.8 U	6.6 U	6 U	6.6 U	6.6 U	6.3 U	7 U	10 U	6.7 U [6.6 U]	6.1 U	6 U [7.4 U]	6.1 U	6.3 U
Dichlorodifluoromethane	--	ug/kg	5.9 U	6.4 U	6.9 U [7 U]	6.6 U	6.8 U	6.6 U	6 U	6.6 U	6.6 U	6.3 U	7 U	10 U	6.7 U [6.6 U]	6.1 U	6 U [7.4 U]	6.1 U	6.3 U
Ethyl Benzene	1,000	ug/kg	220	6.4 U	6.9 U [7 U]	6.6 U	6.8 U	6.6 U	6 U	6.6 U	6.6 U	6.3 U	7 U	3.6 J	6.7 U [6.6 U]	6.1 U	6 U [7.4 U]	6.1 U	6.4
Isopropylbenzene	--	ug/kg	32	6.4 U	6.9 U [7 U]	6.6 U	6.8 U	6.6 U	6 U	6.6 U	6.6 U	6.3 U	9.4 J	17 J	6.7 U [6.6 U]	6.1 U	6 U [7.4 U]	6.1 U	6.3 U
Methyl Acetate	--	ug/kg	5.9 U	6.4 U	6.9 U [7 U]	6.6 U	6.8 U	6.6 U	6 U	6.6 U	6.6 U	6.3 U	7 U	10 U	6.7 U [6.6 U]	6.1 U	6 U [7.4 U]	6.1 U	6.3 U
Methyl Tertiary-Butyl Ether	930	ug/kg	5.9 U	6.4 U	6.9 U [7 U]	6.6 U	6.8 U	6.6 U	6 U	6.6 U	6.6 U	6.3 U	7 U	10 U	6.7 U [6.6 U]	6.1 U	6 U [7.4 U]	6.1 U	6.3 U
Methylcyclohexane	--	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	50	ug/kg	24 U	26 U	28 U [28 U]	26 U	27 U	26 U	24 U	26 U	26 U	25 U	28 U	41 U	27 U [26 U]	24 U	24 U [29 U]	24 U	25 U
Styrene	--	ug/kg	5.9 U	6.4 U	6.9 U [7 U]	6.6 U	6.8 U	6.6 U	6 U	6.6 U	6.6 U	6.3 U	7 U	10 U	6.7 U [6.6 U]	6.1 U	6 U [7.4 U]	6.1 U	6.3 U
t-1,3-Dichloropropene	--	ug/kg	5.9 U	6.4 U	6.9 U [7 U]	6.6 U	6.8 U	6.6 U	6 U	6.6 U	6.6 U	6.3 U	7 U	10 U	6.7 U [6.6 U]	6.1 U	6 U [7.4 U]	6.1 U	6.3 U
Tetrachloroethene	1,300	ug/kg	5.9 U	6.4 U	6.9 U [7 U]	6.6 U	6.8 U	6.6 U	1.5 J	6.6 U	6.6 U	6.3 U	7 U	10 U	6.7 U [6.6 U]	6.1 U	6 U [7.4 U]	6.1 U	6.3 U
Toluene	700	ug/kg	1.7 J	6.4 U	6.9 U [7 U]	6.6 U	6.8 U	6.6 U	6 U	6.6 U	6.6 U	6.3 U	7 U	4.4 J	6.7 U [6.6 U]	6.1 U	6 U [7.4 U]	6.1 U	6.3 U
trans-1,2-Dichloroethene	190	ug/kg	5.9 U	6.4 U	6.9 U [7 U]	6.6 U	6.8 U	6.6 U	6 U	6.6 U	6.6 U	6.3 U	7 U	10 U	6.7 U [6.6 U]	6.1 U	6 U [7.4 U]	6.1 U	6.3 U
Trichloroethene	470	ug/kg	5.9 U	6.4 U	6.9 U [7 U]	6.6 U	6.8 U	6.6 U	6 U	6.6 U	6.6 U	6.3 U	7 U	10 U	6.7 U [6.6 U]	6.1 U	6 U [7.4 U]	6.1 U	6.3 U
Trichlorofluoromethane	--	ug/kg	5.9 U	6.4 U	6.9 U [7 U]	6.6 U	6.8 U	6.6 U	6 U	6.6 U	6.6 U	6.3 U	7 U	10 U	6.7 U [6.6 U]	6.1 U	6 U [7.4 U]	6.1 U	6.3 U
Vinyl Chloride	20	ug/kg	5.9 U	6.4 U	6.9 U [7 U]	6.6 U	6.8 U	6.6 U	6 U	6.6 U	6.6 U	6.3 U	7 U	10 U	6.7 U [6.6 U]	6.1 U	6 U [7.4 U]	6.1 U	6.3 U
Xylenes (total)	260	ug/kg	130	6.4 U	6.9 U [7 U]	6.6 U	6.8 U	6.6 U	6 U	6.6 U	6.6 U	6.3 U	8.2 J	29	6.7 U [6.6 U]	6.1 U	6 U [7.4 U]	6.1 U	3.4 J
Total VOCs	--	ug/kg	466 J	ND	ND [ND]	6 J	14.5 J	18.8 J	1.5 J	ND	ND	ND	223 J	234 J	23.5 J [4.8 J]	ND	13 J [9.3]	31.5 J	28.3 J

Table 17b. Summary of VOCs Detected in Subsurface Soil - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SB-123 37 - 39 06/12/06	SB-124 7 - 9 06/02/06	SB-124 15 - 17 06/02/06	SB-124 27 - 27.5 06/02/06	SB-124 37 - 39 06/06/06	SB-125 6 - 7 07/11/06	SB-125 17 - 18 07/11/06	SB-125 30 - 30.5 07/11/06	SB-125 42 - 43 07/11/06	SB-126 9 - 10 02/12/07	SB-126 31 - 32 02/12/07	SB-126 46 - 47 02/12/07	SB-126 49 - 50 02/12/07	SB-127 7 - 8 02/13/07	SB-127 48 - 49 02/13/07	SB-127 50 - 51 02/13/07	SB-127 54 - 55 02/13/07
Volatile Organic Compounds																			
1,1,1-Trichloroethane	680	ug/kg	6.2 U	7.1 U	37 U	12 U	6.2 U	6.5 U	6.1 U	6.2 U	6.9 U	6.6 U	360 U	24,000 U	310 U	5.5 U	2,000 U	320 U	6.8 U
1,1,2,2-Tetrachloroethane	--	ug/kg	6.2 U	7.1 U	37 U	12 U	6.2 U	6.5 U	6.1 U	6.2 U	6.9 U	6.6 U	360 U	24,000 U	310 U	5.5 U	2,000 U	320 U	6.8 U
1,1,2-Trichloroethane	--	ug/kg	6.2 U	7.1 U	37 U	12 U	6.2 U	6.5 U	6.1 U	6.2 U	6.9 U	6.6 U	360 U	24,000 U	310 U	5.5 U	2,000 U	320 U	6.8 U
1,1,2-Trichlorotrifluoroethane	--	ug/kg	6.2 U	7.1 U	37 U	12 U	6.2 U	6.5 U	6.1 U	6.2 U	6.9 U	6.6 U	360 U	24,000 U	310 U	5.5 U	2,000 U	320 U	6.8 U
1,1-Dichloroethane	270	ug/kg	6.2 U	7.1 U	37 U	12 U	6.2 U	6.5 U	6.1 U	6.2 U	6.9 U	6.6 U	360 U	24,000 U	310 U	5.5 U	2,000 U	320 U	6.8 U
1,1-Dichloroethene	330	ug/kg	6.2 U	7.1 U	37 U	12 U	6.2 U	6.5 U	6.1 U	6.2 U	6.9 U	6.6 U	360 U	24,000 U	310 U	5.5 U	2,000 U	320 U	6.8 U
1,2,4-Trichlorobenzene	--	ug/kg	6.2 UJ	7.1 U	37 U	12 U	6.2 UJ	6.5 U	6.1 U	6.2 U	6.9 U	6.6 U	360 U	24,000 U	310 U	5.5 U	2,000 U	320 U	6.8 U
1,2-Dibromo-3-Chloropropane	--	ug/kg	6.2 U	7.1 U	37 U	12 U	6.2 U	6.5 UJ	6.1 UJ	6.2 UJ	6.9 UJ	6.6 U	360 U	24,000 U	310 U	5.5 U	2,000 U	320 U	6.8 U
1,2-Dibromoethane	--	ug/kg	6.2 U	7.1 U	37 U	12 U	6.2 U	6.5 U	6.1 U	6.2 U	6.9 U	6.6 U	360 U	24,000 U	310 U	5.5 U	2,000 U	320 U	6.8 U
1,2-Dichlorobenzene	1,100	ug/kg	6.2 U	7.1 U	37 U	12 U	6.2 U	6.5 U	6.1 U	6.2 U	6.9 U	6.6 U	360 U	24,000 U	310 U	5.5 U	2,000 U	320 U	6.8 U
1,2-Dichloroethane	20	ug/kg	6.2 U	7.1 U	37 U	12 U	6.2 U	6.5 U	6.1 U	6.2 U	6.9 U	6.6 U	360 U	24,000 U	310 U	5.5 U	2,000 U	320 U	6.8 U
1,2-Dichloropropane	--	ug/kg	6.2 U	7.1 U	37 U	12 U	6.2 U	6.5 U	6.1 U	6.2 U	6.9 U	6.6 U	360 U	24,000 U	310 U	5.5 U	2,000 U	320 U	6.8 U
1,3,5-Trimethylbenzene	8,400	ug/kg	6.2 U	4.2 J	37 U	12 U	6.2 U	6.5 U	6.1 U	6.2 U	6.9 U	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	2,400	ug/kg	6.2 U	7.1 U	37 U	12 U	6.2 U	6.5 U	6.1 U	6.2 U	6.9 U	6.6 U	360 U	24,000 U	310 U	5.5 U	2,000 U	320 U	6.8 U
1,4-Dichlorobenzene	1,800	ug/kg	6.2 U	7.1 U	37 U	12 U	6.2 U	6.5 U	6.1 U	6.2 U	6.9 U	6.6 U	360 U	24,000 U	310 U	5.5 U	2,000 U	320 U	6.8 U
2-Butanone	120	ug/kg	12 UJ	14 UJ	580 J	160 J	12 UJ	13 UJ	12 UJ	12 UJ	14 UJ	8.1 J	910 U	60,000 U	770 U	14 U	5,000 U	810 U	17 U
2-Hexanone	--	ug/kg	12 UJ	14 UJ	74 UJ	24 UJ	12 UJ	13 UJ	12 UJ	12 UJ	14 UJ	16 U	910 U	60,000 U	770 U	14 U	5,000 U	810 U	17 U
4-Methyl-2-Pentanone	--	ug/kg	12 U	14 U	74 U	24 U	12 U	13 U	12 U	12 U	14 U	16 U	910 U	60,000 U	770 U	14 U	5,000 U	810 U	17 U
Acetone	50	ug/kg	25 U	28 U	1,200	330	12 J	23 J	12 J	11 J	28 U	27	910 U	60,000 U	770 U	14 U	5,000 U	810 U	17 U
Benzene	60	ug/kg	6.2 U	7.1 U	37 U	2.7 J	6.2 U	6.5 U	6.1 U	6.2 U	6.9 U	1.6 J	11,000 D	270,000	1,500	5.5 U	10,000	1,100	6.8 U
Bromodichloromethane	--	ug/kg	6.2 U	7.1 U	37 U	12 U	6.2 U	6.5 U	6.1 U	6.2 U	6.9 U	6.6 U	360 U	24,000 U	310 U	5.5 U	2,000 U	320 U	6.8 U
Bromoform	--	ug/kg	6.2 U	7.1 U	37 U	12 U	6.2 U	6.5 UJ	6.1 UJ	6.2 UJ	6.9 UJ	6.6 U	360 U	24,000 U	310 U	5.5 U	2,000 U	320 U	6.8 U
Bromomethane	--	ug/kg	6.2 UJ	7.1 UJ	37 UJ	4.1 J	6.2 UJ	6.5 UJ	6.1 UJ	6.2 UJ	6.9 UJ	6.6 U	360 U	24,000 U	310 U	5.5 U	2,000 U	320 U	6.8 U
Carbon Disulfide	--	ug/kg	6.2 UJ	7.1 U	16 J	2.8 J	6.2 U	6.5 U	1.2 J	1.2 J	6.9 U	2.1 J	280 J	24,000 U	310 U	5.5 U	2,000 U	320 U	6.8 U
Carbon Tetrachloride	760	ug/kg	6.2 U	7.1 U	37 U	12 U	6.2 U	6.5 U	6.1 U	6.2 U	6.9 U	6.6 U	360 UJ	24,000 U	310 U	5.5 U	2,000 U	320 U	6.8 U
Chlorobenzene	1,100	ug/kg	6.2 UJ	7.1 U	37 U	12 U	6.2 U	6.5 U	6.1 U	6.2 U	6.9 U	6.6 U	360 U	24,000 U	310 U	5.5 U	2,000 UJ	320 U	6.8 UJ
Chloroethane	--	ug/kg	6.2 U	7.1 U	37 U	12 U	6.2 U	6.5 U	6.1 U	6.2 U	6.9 U	6.6 U	360 U	24,000 U	310 U	5.5 U	2,000 U	320 U	6.8 U
Chloroform	370	ug/kg	6.2 U	7.1 U	37 U	12 U	6.2 U	6.5 U	6.1 U	6.2 U	6.9 U	6.6 U	360 U	24,000 U	310 U	5.5 U	2,000 U	320 U	6.8 U
Chloromethane	--	ug/kg	6.2 U	7.1 U	37 U	25	6.2 U	6.5 U	6.1 U	6.2 U	6.9 U	6.6 U	360 U	24,000 U	310 U	5.5 U	2,000 U	320 U	6.8 U
cis-1,2-Dichloroethene	250	ug/kg	6.2 U	7.1 U	37 U	12 U	6.2 U	6.5 U	6.1 U	6.2 U	6.9 U	6.6 U	360 U	24,000 U	310 U	5.5 U	2,000 U	320 U	6.8 U
cis-1,3-Dichloropropene	--	ug/kg	6.2 U	7.1 U	37 U	12 U	6.2 U	6.5 U	6.1 U	6.2 U	6.9 U	6.6 U	360 U	24,000 U	310 U	5.5 U	2,000 U	320 U	6.8 U
Cyclohexane	--	ug/kg	6.2 U	7.1 U	37 U	12 U	6.2 U	6.5 U	6.1 U	6.2 U	6.9 U	6.6 U	360 UJ	24,000 U	310 U	5.5 U	2,000 U	320 U	6.8 U
Dibromochloromethane	--	ug/kg	6.2 UJ	7.1 U	37 U	12 U	6.2 U	6.5 U	6.1 U	6.2 U	6.9 U	6.6 U	360 U	24,000 U	310 U	5.5 U	2,000 U	320 U	6.8 U
Dichlorodifluoromethane	--	ug/kg	6.2 U	7.1 U	37 U	12 U	6.2 U	6.5 U	6.1 U	6.2 U	6.9 U	6.6 U	360 U	24,000 U	310 U	5.5 U	2,000 U	320 U	6.8 U
Ethyl Benzene	1,000	ug/kg	6.2 UJ	7.1 U	37 U	12 U	6.2 U	6.5 U	6.1 U	6.2 U	6.9 U	4.9 J	140,000 D	250,000	630	5.5 U	61,000	1,600	6.8 U
Isopropylbenzene	--	ug/kg	6.2 U	7.1 U	37 U	2.7 J	6.2 U	6.5 U	6.1 U	6.2 U	6.9 U	6.6 U	14,000 D	4,800 J	310 U	5.5 U	860 J	320 U	6.8 U
Methyl Acetate	--	ug/kg	6.2 U	7.1 U	21 J	16	6.2 U	6.5 U	6.1 U	6.2 U	6.9 U	6.6 U	1,100 J	24,000 U	310 U	5.5 U	2,000 U	320 U	6.8 U
Methyl Tertiary-Butyl Ether	930	ug/kg	6.2 U	7.1 U	37 U	12 U	6.2 U	6.5 U	6.1 U	6.2 U	6.9 U	1 J	360 U	24,000 U	310 U	5.5 U	2,000 U	320 U	6.8 U
Methylcyclohexane	--	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.6 U	1,100 J	24,000 U	310 U	5.5 U	350 J	320 U	6.8 U
Methylene Chloride	50	ug/kg	25 U	28 U	150 U	49 U	25 U	26 UJ	24 UJ	25 UJ	28 UJ	6.6 U	170 J	24,000 UJ	310 UJ	5.5 U	2,000 U	320 UJ	6.8 U
Styrene	--	ug/kg	6.2 UJ	7.1 U	37 U	12 U	6.2 U	6.5 U	6.1 U	6.2 U	6.9 U	6.6 U	360 U	230,000	310 U	5.5 U	15,000	250 J	6.8 U
t-1,3-Dichloropropene	--	ug/kg	6.2 U	7.1 U	37 U	12 U	6.2 U	6.5 U	6.1 U	6.2 U	6.9 U	6.6 U	360 U	24,000 U	310 U	5.5 U	2,000 U	320 U	6.8 U
Tetrachloroethene	1,300	ug/kg	6.2 UJ	7.1 U	37 U	12 U	6.2 U	6.5 U	6.1 U	6.2 U	6.9 U	6.6 U	360 UJ	24,000 U	310 U	5.5 U	2,000 U	320 U	6.8 U
Toluene	700	ug/kg	6.2 UJ	7.1 U	6.4 J	2.5 J	6.2 U	6.5 U	6.1 U	6.2 U	6.9 U	3.2 J	49,000 D	560,000	310 U	5.5 U	59,000 J	1,200	6.8 U
trans-1,2-Dichloroethene	190	ug/kg	6.2 UJ	7.1 U	37 U	12 U	6.2 U	6.5 U	6.1 U	6.2 U	6.9 U	6.6 U	360 U	24,000 U	310 U	5.5 U	2,000 U	320 U	6.8 U
Trichloroethene	470	ug/kg	6.2 U	7.1 U	37 U	12 U	6.2 U	6.5 U	6.1 U	6.2 U	6.9 U	6.6 U	360 U	24,000 U	310 U	5.5 U	2,000 U	320 U	6.8 UJ
Trichlorofluoromethane	--	ug/kg	6.2 U	7.1 U	37 U	12 U	6.2 U	6.5 U	6.1 U	6.2 U	6.9 U	6.6 U	360 U	24,000 U	310 U	5.5 U	2,000 U	320 U	6.8 U
Vinyl Chloride	20	ug/kg	6.2 U	7.1 U	37 U	12 U	6.2 U	6.5 U	6.1 U	6.2 U	6.9 U	6.6 U	360 U	24,000 U	310 U	5.5 U	2,000 U	320 U	6.8 U
Xylenes (total)	260	ug/kg	6.2 UJ	7.1 U	37 U	12 U	6.2 U	6.5 U	6.1 U	6.2 U	6.9 U	11 J	160,000 D	850,000	550	16 U	96,000	2,200	21 U
Total VOCs	--	ug/kg	ND	4.2 J	1,820 J	546 J	12 J	23 J	13.2 J	12.2 J	ND	58.9 J	377,000 J	2,160,000 J	2,680	ND	242,000 J	6,350 J	ND

See Notes on Page 8.

Table 17b. Summary of VOCs Detected in Subsurface Soil - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SB-128 8 - 9 02/08/07	SB-128 31 - 32 02/08/07	SB-128 43 - 44 02/08/07	SB-128 49 - 50 02/08/07	SB-129 7 - 8 02/07/07	SB-129 18 - 19 02/07/07	SB-129 33 - 34 02/07/07	SB-129 49 - 50 02/07/07	SB-130 7 - 8 02/06/07	SB-130 20 - 21 02/06/07	SB-130 28 - 29 02/06/07	SB-130 40 - 41 02/06/07	SB-131 7 - 8 01/15/07	SB-131 10 - 11 01/15/07	SB-131 13 - 14 01/15/07	SB-131 36 - 37 01/15/07	SB-131 49 - 50 01/15/07
Volatile Organic Compounds																			
1,1,1-Trichloroethane	680	ug/kg	6.2 UJ [5.8 UJ]	7,000 UJ	300 UJ	6.3 UJ	6.4 U	23 UJ	5.7 U	6.8 U	6.7 U	450 U	8.6 U	7 U	5.9 U	5.7 U	6.5 U	6 U	5.7 U
1,1,2,2-Tetrachloroethane	--	ug/kg	6.2 UJ [5.8 UJ]	7,000 UJ	300 UJ	6.3 UJ	6.4 U	23 UJ	5.7 U	6.8 U	6.7 U	450 U	8.6 U	7 U	5.9 U	5.7 U	6.5 U	6 U	5.7 U
1,1,2-Trichloroethane	--	ug/kg	6.2 UJ [5.8 UJ]	7,000 UJ	300 UJ	6.3 UJ	6.4 U	23 UJ	5.7 U	6.8 U	6.7 U	450 U	8.6 U	7 U	5.9 U	5.7 U	6.5 U	6 U	5.7 U
1,1,2-Trichlorotrifluoroethane	--	ug/kg	6.2 UJ [5.8 UJ]	7,000 UJ	300 UJ	6.3 UJ	6.4 U	23 UJ	5.7 U	6.8 U	6.7 U	450 U	8.6 U	7 U	5.9 U	5.7 U	6.5 U	6 U	5.7 U
1,1-Dichloroethane	270	ug/kg	6.2 UJ [5.8 UJ]	7,000 UJ	300 UJ	6.3 UJ	6.4 U	23 UJ	5.7 U	6.8 U	6.7 U	450 U	8.6 U	7 U	5.9 U	5.7 U	6.5 U	6 U	5.7 U
1,1-Dichloroethene	330	ug/kg	6.2 UJ [5.8 UJ]	7,000 UJ	300 UJ	6.3 UJ	6.4 U	23 UJ	5.7 U	6.8 U	6.7 U	450 U	8.6 U	7 U	5.9 U	5.7 U	6.5 U	6 U	5.7 U
1,2,4-Trichlorobenzene	--	ug/kg	6.2 UJ [5.8 UJ]	7,000 UJ	300 UJ	6.3 UJ	6.4 U	23 UJ	5.7 U	6.8 U	6.7 U	450 U	8.6 U	7 U	5.9 U	5.7 U	6.5 U	6 U	5.7 U
1,2-Dibromo-3-Chloropropane	--	ug/kg	6.2 UJ [5.8 UJ]	7,000 UJ	300 UJ	6.3 UJ	6.4 U	23 UJ	5.7 U	6.8 U	6.7 U	450 U	8.6 U	7 U	5.9 U	5.7 U	6.5 U	6 U	5.7 U
1,2-Dibromoethane	--	ug/kg	6.2 UJ [5.8 UJ]	7,000 UJ	300 UJ	6.3 UJ	6.4 U	23 UJ	5.7 U	6.8 U	6.7 U	450 U	8.6 U	7 U	5.9 U	5.7 U	6.5 U	6 U	5.7 U
1,2-Dichlorobenzene	1,100	ug/kg	6.2 UJ [5.8 UJ]	7,000 UJ	300 UJ	6.3 UJ	6.4 U	23 UJ	5.7 U	6.8 U	6.7 U	450 U	8.6 U	7 U	5.9 U	5.7 U	6.5 U	6 U	5.7 U
1,2-Dichloroethane	20	ug/kg	6.2 UJ [5.8 UJ]	7,000 UJ	300 UJ	6.3 UJ	6.4 U	23 UJ	5.7 U	6.8 U	6.7 U	450 U	8.6 U	7 U	5.9 U	5.7 U	6.5 U	6 U	5.7 U
1,2-Dichloropropane	--	ug/kg	6.2 UJ [5.8 UJ]	7,000 UJ	300 UJ	6.3 UJ	6.4 U	23 UJ	5.7 U	6.8 U	6.7 U	450 U	8.6 U	7 U	5.9 U	5.7 U	6.5 U	6 U	5.7 U
1,3,5-Trimethylbenzene	8,400	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	2,400	ug/kg	6.2 UJ [5.8 UJ]	7,000 UJ	300 UJ	6.3 UJ	6.4 U	23 UJ	5.7 U	6.8 U	6.7 U	450 U	8.6 U	7 U	5.9 U	5.7 U	6.5 U	6 U	5.7 U
1,4-Dichlorobenzene	1,800	ug/kg	6.2 UJ [5.8 UJ]	7,000 UJ	300 UJ	6.3 UJ	6.4 U	23 UJ	5.7 U	6.8 U	6.7 U	450 U	8.6 U	7 U	5.9 U	5.7 U	6.5 U	6 U	5.7 U
2-Butanone	120	ug/kg	15 UJ [15 UJ]	18,000 UJ	490 J	16 UJ	16 U	58 UJ	2.9 J	17 U	17 U	750 J	18 J	18 U	15 U	14 U	16 U	15 U	14 U
2-Hexanone	--	ug/kg	15 UJ [15 UJ]	18,000 UJ	760 UJ	16 UJ	16 U	58 UJ	14 U	17 U	17 U	1,100 U	22 U	18 U	15 U	14 U	16 U	15 U	14 U
4-Methyl-2-Pentanone	--	ug/kg	15 UJ [15 UJ]	18,000 UJ	760 UJ	16 UJ	16 U	58 UJ	14 U	17 U	17 U	1,100 U	22 U	18 U	15 U	14 U	16 U	15 U	14 U
Acetone	50	ug/kg	15 UJ [15 UJ]	18,000 UJ	760 UJ	16 UJ	5 J	160 J	12 J	5.6 J	17 U	1,100 U	79	18 U	130	87	54	15 U	26 J
Benzene	60	ug/kg	6.2 UJ [5.8 UJ]	17,000 J	230 J	6.3 UJ	2.7 J	5.5 J	0.83 J	6.8 U	6.7 U	220 J	120	7 U	5.9 U	5.7 U	6.5 U	6 U	5.7 U
Bromodichloromethane	--	ug/kg	6.2 UJ [5.8 UJ]	7,000 UJ	300 UJ	6.3 UJ	6.4 U	23 UJ	5.7 U	6.8 U	6.7 U	450 U	8.6 U	7 U	5.9 U	5.7 U	6.5 U	6 U	5.7 U
Bromoform	--	ug/kg	6.2 UJ [5.8 UJ]	7,000 UJ	300 UJ	6.3 UJ	6.4 U	23 UJ	5.7 U	6.8 U	6.7 U	450 U	8.6 U	7 U	5.9 U	5.7 U	6.5 U	6 U	5.7 U
Bromomethane	--	ug/kg	6.2 UJ [5.8 UJ]	7,000 UJ	300 UJ	6.3 UJ	6.4 U	23 UJ	5.7 U	6.8 U	6.7 U	450 U	8.6 U	7 U	5.9 U	5.7 U	6.5 U	6 U	5.7 U
Carbon Disulfide	--	ug/kg	6.2 UJ [5.8 UJ]	7,000 UJ	300 UJ	6.3 UJ	0.8 J	27 J	0.72 J	6.8 U	6.7 U	450 U	1.9 J	0.94 J	5.9 U	5.7 U	6.5 U	6 U	5.7 U
Carbon Tetrachloride	760	ug/kg	6.2 UJ [5.8 UJ]	7,000 UJ	300 UJ	6.3 UJ	6.4 U	23 UJ	5.7 U	6.8 U	6.7 U	450 U	8.6 U	7 U	5.9 U	5.7 U	6.5 U	6 U	5.7 U
Chlorobenzene	1,100	ug/kg	6.2 UJ [5.8 UJ]	7,000 UJ	300 UJ	6.3 UJ	6.4 U	23 UJ	5.7 U	6.8 U	6.7 U	450 U	8.6 U	7 U	5.9 U	5.7 U	6.5 U	6 U	5.7 U
Chloroethane	--	ug/kg	6.2 UJ [5.8 UJ]	7,000 UJ	300 UJ	6.3 UJ	6.4 U	23 UJ	5.7 U	6.8 U	6.7 U	450 U	8.6 U	7 U	5.9 U	5.7 U	6.5 U	6 U	5.7 U
Chloroform	370	ug/kg	6.2 UJ [5.8 UJ]	7,000 UJ	300 UJ	6.3 UJ	6.4 U	23 UJ	5.7 U	6.8 U	6.7 U	450 U	8.6 U	7 U	5.9 U	5.7 U	6.5 U	6 U	5.7 U
Chloromethane	--	ug/kg	6.2 UJ [5.8 UJ]	7,000 UJ	300 UJ	6.3 UJ	6.4 U	23 UJ	5.7 U	6.8 U	6.7 U	450 U	8.6 U	7 U	5.9 U	5.7 U	6.5 U	6 U	5.7 U
cis-1,2-Dichloroethene	250	ug/kg	6.2 UJ [5.8 UJ]	7,000 UJ	300 UJ	6.3 UJ	6.4 U	23 UJ	5.7 U	6.8 U	6.7 U	450 U	8.6 U	7 U	5.9 U	5.7 U	6.5 U	6 U	5.7 U
cis-1,3-Dichloropropene	--	ug/kg	6.2 UJ [5.8 UJ]	7,000 UJ	300 UJ	6.3 UJ	6.4 U	23 UJ	5.7 U	6.8 U	6.7 U	450 U	8.6 U	7 U	5.9 U	5.7 U	6.5 U	6 U	5.7 U
Cyclohexane	--	ug/kg	6.2 UJ [5.8 UJ]	7,000 UJ	300 UJ	6.3 UJ	6.4 U	27 J	5.7 U	6.8 U	6.7 U	450 U	8.6 U	7 U	5.9 U	5.7 U	6.5 U	6 U	5.7 U
Dibromochloromethane	--	ug/kg	6.2 UJ [5.8 UJ]	7,000 UJ	300 UJ	6.3 UJ	6.4 U	23 UJ	5.7 U	6.8 U	6.7 U	450 U	8.6 U	7 U	5.9 U	5.7 U	6.5 U	6 U	5.7 U
Dichlorodifluoromethane	--	ug/kg	6.2 UJ [5.8 UJ]	7,000 UJ	300 UJ	6.3 UJ	1.2 J	23 UJ	5.7 U	6.8 U	6.7 U	450 U	8.6 U	7 U	5.9 U	5.7 U	6.5 U	6 U	5.7 U
Ethyl Benzene	1,000	ug/kg	6.2 UJ [5.8 UJ]	160,000 J	650 J	6.3 UJ	6.4 U	6.1 J	5.7 U	6.8 U	6.7 U	8,800	14	7 U	27	5.7 U	6.5 U	6 U	5.7 U
Isopropylbenzene	--	ug/kg	6.2 UJ [5.8 UJ]	23,000 J	1,600 J	6.3 UJ	6.4 U	110 J	5.7 U	6.8 U	6.7 U	1,600	54	7 U	43	5.7 U	6.5 U	6 U	5.7 U
Methyl Acetate	--	ug/kg	6.2 UJ [5.8 UJ]	7,000 UJ	300 UJ	6.3 UJ	6.4 U	23 UJ	5.7 U	6.8 U	6.7 U	450 U	8.6 U	7 U	5.9 U	5.7 U	6.5 U	6 U	5.7 U
Methyl Tertiary-Butyl Ether	930	ug/kg	6.2 UJ [5.8 UJ]	7,000 UJ	300 UJ	6.3 UJ	6.4 U	23 UJ	5.7 U	6.8 U	6.7 U	450 U	8.6 U	7 U	5.9 U	5.7 U	6.5 U	6 U	5.7 U
Methylcyclohexane	--	ug/kg	6.2 UJ [5.8 UJ]	1,900 J	110 J	6.3 UJ	6.4 U	23 UJ	5.7 U	6.8 U	6.7 U	450 U	8.6 U	7 U	5.9 U	5.7 U	6.5 U	6 U	5.7 U
Methylene Chloride	50	ug/kg	6.2 UJ [5.8 UJ]	7,000 UJ	300 UJ	6.3 UJ	1.6 J	23 UJ	5.7 U	6.8 U	6.7 U	450 U	2 J	7 U	2.6 J	2 J	3.2 J	4.2 J	3.1 J
Styrene	--	ug/kg	6.2 UJ [5.8 UJ]	7,000 UJ	300 UJ	6.3 UJ	6.4 U	23 UJ	5.7 U	6.8 U	6.7 U	450 U	8.6 U	7 U	5.9 U	5.7 U	6.5 U	6 U	5.7 U
t-1,3-Dichloropropene	--	ug/kg	6.2 UJ [5.8 UJ]	7,000 UJ	300 UJ	6.3 UJ	6.4 U	23 UJ	5.7 U	6.8 U	6.7 U	450 U	8.6 U	7 U	5.9 U	5.7 U	6.5 U	6 U	5.7 U
Tetrachloroethene	1,300	ug/kg	6.2 UJ [5.8 UJ]	7,000 UJ	300 UJ	6.3 UJ	6.4 U	23 UJ	5.7 U	6.8 U	6.7 U	450 U	8.6 U	7 U	5.9 U	5.7 U	6.5 U	6 U	5.7 U
Toluene	700	ug/kg	1 J [5.8 UJ]	4,400 J	300 UJ	0.84 J	6.4 U	23 UJ	5.7 U	6.8 U	6.7 U	1,200	8.6 U	7 U	6.1	5.7 U	6.5 U	6 U	5.7 U
trans-1,2-Dichloroethene	190	ug/kg	6.2 UJ [5.8 UJ]	7,000 UJ	300 UJ	6.3 UJ	6.4 U	23 UJ	5.7 U	6.8 U	6.7 U	450 U	8.6 U	7 U	5.9 U	5.7 U	6.5 U	6 U	5.7 U
Trichloroethene	470	ug/kg	6.2 UJ [5.8 UJ]	7,000 UJ	300 UJ	6.3 UJ	6.4 U	23 UJ	5.7 U	6.8 U	6.7 U	450 U	8.6 U	7 U	5.9 U	5.7 U	6.5 U	6 U	5.7 U
Trichlorofluoromethane	--	ug/kg	6.2 UJ [5.8 UJ]	7,000 UJ	300 UJ	6.3 UJ	6.4 U	23 UJ	5.7 U	6.8 U	6.7 U	450 U	8.6 U	7 U	5.9 U	5.7 U	6.5 U	6 U	5.7 U
Vinyl Chloride	20	ug/kg	6.2 UJ [5.8 UJ]	7,000 UJ	300 UJ	6.3 UJ	6.4 U	23 UJ	5.7 U	6.8 U	6.7 U	450 U	8.6 U	7 U	5.9 U	5.7 U	6.5 U	6 U	5.7 U
Xylenes (total)	260	ug/kg	19 UJ [17 UJ]	210,000 J	690 J	19 UJ	19 U	10 J	17 U	21 U	20 U	12,000	37	21 U	140	17 U	19 U	18 U	17 U
Total VOCs	--	ug/kg	1 J [ND]	416,000 J	3,770 J	0.84 J	11.3 J	346 J	16.5 J	5.6 J	ND	24,600 J	326 J	0.94 J	349 J	89 J	57.2 J	4.2 J	29.1 J

See Notes on Page 8.

Table 17b. Summary of VOCs Detected in Subsurface Soil - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SB-132 10 - 11 01/16/07	SB-132 13 - 14 01/16/07	SB-132 16 - 17 01/16/07	SB-132 49 - 50 01/16/07	SB-133 10 - 11 01/16/07	SB-133 49 - 50 01/17/07	SB-133 9 - 10 01/19/07	SB-134 39 - 40 01/19/07	SB-135 10 - 11 01/17/07	SB-135 15 - 16 01/17/07	SB-135 40 - 41 01/18/07
Volatile Organic Compounds													
1,1,1-Trichloroethane	680	ug/kg	5.9 U	290 U	6.8 U	5.6 U [5.6 U]	5.6 U	5.7 U	5.9 U	6 U	5.7 U	6.5 U	6.3 U
1,1,2,2-Tetrachloroethane	--	ug/kg	5.9 U	290 U	6.8 U	5.6 U [5.6 U]	5.6 U	5.7 U	5.9 U	6 U	5.7 U	6.5 U	6.3 U
1,1,2-Trichloroethane	--	ug/kg	5.9 U	290 U	6.8 U	5.6 U [5.6 U]	5.6 U	5.7 U	5.9 U	6 U	5.7 U	6.5 U	6.3 U
1,1,2-Trichlorotrifluoroethane	--	ug/kg	5.9 U	290 U	6.8 U	5.6 U [5.6 U]	5.6 U	5.7 U	5.9 U	6 U	5.7 U	6.5 U	6.3 U
1,1-Dichloroethane	270	ug/kg	5.9 U	290 U	6.8 U	5.6 U [5.6 U]	5.6 U	5.7 U	5.9 U	6 U	5.7 U	6.5 U	6.3 U
1,1-Dichloroethene	330	ug/kg	5.9 U	290 U	6.8 U	5.6 U [5.6 U]	5.6 U	5.7 U	5.9 U	6 U	5.7 U	6.5 U	6.3 U
1,2,4-Trichlorobenzene	--	ug/kg	5.9 U	290 U	6.8 U	5.6 U [5.6 U]	5.6 U	5.7 U	5.9 U	6 U	5.7 U	6.5 U	6.3 U
1,2-Dibromo-3-Chloropropane	--	ug/kg	5.9 U	290 U	6.8 U	5.6 U [5.6 U]	5.6 U	5.7 U	5.9 U	6 U	5.7 U	6.5 U	6.3 U
1,2-Dibromoethane	--	ug/kg	5.9 U	290 U	6.8 U	5.6 U [5.6 U]	5.6 U	5.7 U	5.9 U	6 U	5.7 U	6.5 U	6.3 U
1,2-Dichlorobenzene	1,100	ug/kg	5.9 U	290 U	6.8 U	5.6 U [5.6 U]	5.6 U	5.7 U	5.9 U	6 U	5.7 U	6.5 U	6.3 U
1,2-Dichloroethane	20	ug/kg	5.9 U	290 U	6.8 U	5.6 U [5.6 U]	5.6 U	5.7 U	5.9 U	6 U	5.7 U	6.5 U	6.3 U
1,2-Dichloropropane	--	ug/kg	5.9 U	290 U	6.8 U	5.6 U [5.6 U]	5.6 U	5.7 U	5.9 U	6 U	5.7 U	6.5 U	6.3 U
1,3,5-Trimethylbenzene	8,400	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	2,400	ug/kg	5.9 U	290 U	6.8 U	5.6 U [5.6 U]	5.6 U	5.7 U	5.9 U	6 U	5.7 U	6.5 U	6.3 U
1,4-Dichlorobenzene	1,800	ug/kg	5.9 U	290 U	6.8 U	5.6 U [5.6 U]	5.6 U	5.7 U	5.9 U	6 U	5.7 U	6.5 U	6.3 U
2-Butanone	120	ug/kg	15 U	730 U	17 U	14 U [14 U]	14 U	14 U	15 U	15 U	14 U	16 U	16 U
2-Hexanone	--	ug/kg	15 U	730 U	17 U	14 U [14 U]	14 U	14 U	15 U	15 U	14 U	16 U	16 U
4-Methyl-2-Pentanone	--	ug/kg	15 U	730 U	17 U	14 U [14 U]	14 U	14 U	15 U	15 U	14 U	16 U	16 U
Acetone	50	ug/kg	15 U	730 U	17 U	14 U [14 U]	14 U	14 U	15 U	15 U	14 U	16 U	16 U
Benzene	60	ug/kg	5.9 U	290 U	6.8 U	5.6 U [5.6 U]	5.6 U	5.7 U	5.9 U	6 U	5.7 U	6.5 U	6.3 U
Bromodichloromethane	--	ug/kg	5.9 U	290 U	6.8 U	5.6 U [5.6 U]	5.6 U	5.7 U	5.9 U	6 U	5.7 U	6.5 U	6.3 U
Bromoform	--	ug/kg	5.9 U	290 U	6.8 U	5.6 U [5.6 U]	5.6 U	5.7 U	5.9 U	6 U	5.7 U	6.5 U	6.3 U
Bromomethane	--	ug/kg	5.9 U	290 U	6.8 U	5.6 U [5.6 U]	5.6 U	5.7 U	5.9 U	6 U	5.7 U	6.5 U	6.3 U
Carbon Disulfide	--	ug/kg	5.9 U	290 U	6.8 U	5.6 U [5.6 U]	5.6 U	5.7 U	5.9 U	6 U	5.7 U	6.5 U	6.3 U
Carbon Tetrachloride	760	ug/kg	5.9 U	290 U	6.8 U	5.6 U [5.6 U]	5.6 U	5.7 U	5.9 U	6 U	5.7 U	6.5 U	6.3 U
Chlorobenzene	1,100	ug/kg	5.9 U	290 U	6.8 U	5.6 U [5.6 U]	5.6 U	5.7 U	5.9 U	6 U	5.7 U	6.5 U	6.3 U
Chloroethane	--	ug/kg	5.9 U	290 U	6.8 U	5.6 U [5.6 U]	5.6 U	5.7 U	5.9 U	6 U	5.7 U	6.5 U	6.3 U
Chloroform	370	ug/kg	5.9 U	290 U	6.8 U	5.6 U [5.6 U]	5.6 U	5.7 U	5.9 U	6 U	5.7 U	6.5 U	6.3 U
Chloromethane	--	ug/kg	5.9 U	290 U	6.8 U	5.6 U [5.6 U]	5.6 U	5.7 U	5.9 U	6 U	5.7 U	6.5 U	6.3 U
cis-1,2-Dichloroethene	250	ug/kg	5.9 U	290 U	6.8 U	5.6 U [5.6 U]	5.6 U	5.7 U	5.9 U	6 U	5.7 U	6.5 U	6.3 U
cis-1,3-Dichloropropene	--	ug/kg	5.9 U	290 U	6.8 U	5.6 U [5.6 U]	5.6 U	5.7 U	5.9 U	6 U	5.7 U	6.5 U	6.3 U
Cyclohexane	--	ug/kg	5.9 U	290 U	6.8 U	5.6 U [5.6 U]	5.6 U	5.7 U	5.9 U	6 U	5.7 U	6.5 U	6.3 U
Dibromochloromethane	--	ug/kg	5.9 U	290 U	6.8 U	5.6 U [5.6 U]	5.6 U	5.7 U	5.9 U	6 U	5.7 U	6.5 U	6.3 U
Dichlorodifluoromethane	--	ug/kg	5.9 U	290 U	6.8 U	5.6 U [5.6 U]	5.6 U	5.7 U	5.9 U	6 U	5.7 U	6.5 U	6.3 U
Ethyl Benzene	1,000	ug/kg	1.5 J	18,000 D	2.1 J	5.6 U [5.6 U]	5.6 U	5.7 U	5.9 U	6 U	2 J	6.5 U	6.3 U
Isopropylbenzene	--	ug/kg	5.9 U	1,500 D	6.8 U	5.6 U [5.6 U]	5.6 U	5.7 U	5.9 U	6 U	5.7 U	6.5 U	6.3 U
Methyl Acetate	--	ug/kg	5.9 U	290 U	6.8 U	5.6 U [5.6 U]	5.6 U	5.7 U	5.9 U	6 U	5.7 U	6.5 U	6.3 U
Methyl Tertiary-Butyl Ether	930	ug/kg	5.9 U	290 U	6.8 U	5.6 U [5.6 U]	5.6 U	5.7 U	5.9 U	6 U	5.7 U	6.5 U	6.3 U
Methylcyclohexane	--	ug/kg	5.9 U	220 J	6.8 U	5.6 U [5.6 U]	5.6 U	5.7 U	5.9 U	6 U	5.7 U	6.5 U	6.3 U
Methylene Chloride	50	ug/kg	5.9 U	290 U	5.3 J	5.6 U [5.6 U]	2 J	5.7 U	5.9 U	2.8 J	2.9 J	1.6 J	1.9 J
Styrene	--	ug/kg	5.9 U	290 U	6.8 U	5.6 U [5.6 U]	5.6 U	5.7 U	5.9 U	6 U	5.7 U	6.5 U	6.3 U
t-1,3-Dichloropropene	--	ug/kg	5.9 U	290 U	6.8 U	5.6 U [5.6 U]	5.6 U	5.7 U	5.9 U	6 U	5.7 U	6.5 U	6.3 U
Tetrachloroethene	1,300	ug/kg	5.9 U	290 U	6.8 U	5.6 U [5.6 U]	5.6 U	5.7 U	5.9 U	6 U	5.7 U	6.5 U	6.3 U
Toluene	700	ug/kg	5.9 U	290 U	6.8 U	5.6 U [5.6 U]	5.6 U	5.7 U	5.9 U	6 U	2.1 J	6.5 U	6.3 U
trans-1,2-Dichloroethene	190	ug/kg	5.9 U	290 U	6.8 U	5.6 U [5.6 U]	5.6 U	5.7 U	5.9 U	6 U	5.7 U	6.5 U	6.3 U
Trichloroethene	470	ug/kg	5.9 U	290 U	6.8 U	5.6 U [5.6 U]	5.6 U	5.7 U	5.9 U	6 U	5.7 U	6.5 U	6.3 U
Trichlorofluoromethane	--	ug/kg	5.9 U	290 U	6.8 U	5.6 U [5.6 U]	5.6 U	5.7 U	5.9 U	6 U	5.7 U	6.5 U	6.3 U
Vinyl Chloride	20	ug/kg	5.9 U	290 U	6.8 U	5.6 U [5.6 U]	5.6 U	5.7 U	5.9 U	6 U	5.7 U	6.5 U	6.3 U
Xylenes (total)	260	ug/kg	18 U	1,300	20 U	17 U [17 U]	17 U	17 U	18 U	18 U	11 J	19 U	19 U
Total VOCs	--	ug/kg	1.5 J	21,000 J	7.4 J	ND [ND]	2 J	ND	2.1 J	2.8 J	18 J	1.6 J	1.9 J

See Notes on Page 8.

Table 17b. Summary of VOCs Detected in Subsurface Soil - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Notes:

J = indicates an estimated value.

ND = not detected.

NA = not analyzed.

R = rejected.

U = indicates the constituent was not detected at the PQL. The value preceding the U indicates the PQL.

UJ = estimated non-detect.

D = compounds analyzed at a dilution.

ug/kg = micrograms per kilogram.

bgs = below ground surface.

PQL = practical quantitation limit.

NYCRR = New York State Codes Rules and Regulations.

SCOs = Soil Cleanup Objectives according to 6 NYCRR Subpart 375-6 *Remedial Program Soil Cleanup Objectives*.

- - = no SCO exists for the specified compound.

VOCs = volatile organic compounds.

Bolded and shaded values exceed the Unrestricted Use SCOs.

See Notes on Page 1.

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Table 18a. Summary of SVOCs Detected in Subsurface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	B-1 8 - 8.5 08/27/04	B-1 16 - 16.5 08/27/04	B-1 24.5 - 25 08/27/04	B-2 7 - 9 09/01/04	B-2 15 - 17 09/01/04	B-2 19 - 21 09/01/04	B-3 2.5 - 3 08/16/04	B-3 9 - 10 08/18/04	B-3 13 - 14 08/18/04	B-3 38 - 39 08/18/04	B-4 5 - 7 04/21/04	B-4 9 - 11 04/21/04	B-5 3 - 5 04/15/04	B-5 7 - 9 04/15/04
Semi-Volatile Organic Compounds																
1,1-Biphenyl	--	ug/kg	12 U	11 U	12 U	21 U	23 U	13 U	120 U	10 U	12 U	12 U	11 U	11 U	270 J	570 J
2,2-oxybis(1-Chloropropane)	--	ug/kg	22 U	21 U	22 U	38 U	42 U	23 U	220 U	19 U	23 U	22 U	19 U	20 U	110 U	47 U
2,4,5-Trichlorophenol	--	ug/kg	27 U	25 U	27 U	46 U	51 U	28 U	270 U	23 U	28 U	27 U	24 U	24 U	130 U	57 U
2,4,6-Trichlorophenol	--	ug/kg	15 U	14 U	15 U	25 U	28 U	15 U	150 U	13 U	15 U	15 U	13 U	13 U	74 U	31 U
2,4-Dichlorophenol	--	ug/kg	14 U	13 U	14 U	25 U	27 U	15 U	140 U	12 U	15 U	15 U	13 U	13 U	71 U	30 U
2,4-Dimethylphenol	--	ug/kg	22 U	21 U	22 U	38 U	42 U	23 U	220 U	19 U	23 U	22 U	19 U	20 U	110 U	47 U
2,4-Dinitrophenol	--	ug/kg	18 U	17 U	18 U	31 U	34 U	19 U	180 U	15 UJ	18 UJ	18 U	16 U	R	90 U	38 U
2,4-Dinitrotoluene	--	ug/kg	8.2 U	7.7 U	8.2 U	14 U	15 U	8.5 U	81 U	7 U	8.3 U	8.3 U	7.2 U	7.3 U	41 U	17 U
2,6-Dinitrotoluene	--	ug/kg	17 U	16 U	17 U	30 U	33 U	18 U	170 U	15 U	18 U	18 U	15 U	16 U	87 U	37 U
2-Chloronaphthalene	--	ug/kg	8.5 U	8 U	8.5 U	15 U	16 U	8.9 U	85 U	7.3 U	8.7 U	8.6 U	7.5 U	7.6 U	43 U	18 U
2-Chlorophenol	--	ug/kg	18 U	17 U	18 U	30 U	33 U	18 U	180 U	15 U	18 U	18 U	16 U	16 U	88 U	38 U
2-Methylnaphthalene	--	ug/kg	7 U	190 J	7 U	1,500	3,600 J	7.3 U	70 U	6 U	930	7.1 U	42 J	400 J	250 J	11,000 J
2-Methylphenol	330	ug/kg	26 U	24 U	26 U	44 U	48 U	27 U	260 U	22 U	26 U	26 U	23 U	23 U	130 U	55 U
2-Nitroaniline	--	ug/kg	15 U	14 U	15 U	25 U	28 U	15 U	150 U	13 U	15 U	15 U	13 U	13 U	74 U	31 U
2-Nitrophenol	--	ug/kg	16 U	15 U	16 U	28 U	31 U	17 U	160 U	14 U	17 U	17 U	14 U	15 U	82 U	35 U
3,3-Dichlorobenzidine	--	ug/kg	66 U	62 U	66 U	110 U	120 U	68 U	650 U	56 U	67 U	67 U	58 U	58 U	330 U	140 U
3+4-Methylphenols	--	ug/kg	19 U	18 U	19 U	32 U	35 U	20 U	190 U	16 U	19 U	19 U	17 U	17 U	94 U	40 U
3-Nitroaniline	--	ug/kg	66 U	62 U	66 U	110 U	120 U	69 U	660 U	56 U	67 U	67 U	58 U	59 U	330 U	140 U
4,6-Dinitro-2-methylphenol	--	ug/kg	24 U	22 U	24 U	41 U	45 U	25 U	240 U	20 UJ	24 UJ	24 U	21 U	21 U	120 U	50 U
4-Bromophenyl-phenylether	--	ug/kg	11 U	10 U	11 U	18 U	20 U	11 U	110 U	9.2 U	11 U	11 U	9.5 U	9.6 U	54 U	23 U
4-Chloro-3-methylphenol	--	ug/kg	12 U	11 U	12 U	21 U	23 U	13 U	120 U	10 U	12 U	12 U	11 U	11 U	60 U	26 U
4-Chloroaniline	--	ug/kg	150 U	140 U	150 U	260 U	280 U	160 U	1,500 U	130 U	150 U	150 U	130 U	130 U	750 U	320 U
4-Chlorophenyl-phenylether	--	ug/kg	10 U	9.5 U	10 U	17 U	19 U	11 U	100 U	8.7 U	10 U	10 U	8.9 U	9 U	51 U	22 U
4-Nitroaniline	--	ug/kg	32 U	30 U	32 U	55 U	60 U	33 U	320 U	27 U	33 U	32 U	28 U	29 U	160 U	68 U
4-Nitrophenol	--	ug/kg	40 U	37 U	40 U	68 U	75 U	42 U	400 U	34 U	41 U	40 U	35 U	36 U	200 U	85 U
Acenaphthene	20,000	ug/kg	9 U	8.5 U	9 U	15 U	17 U	9.4 U	90 U	7.7 U	62 J	9.1 U	70 J	62 J	500 J	720 J
Acenaphthylene	100,000	ug/kg	12 U	11 U	12 U	21 U	23 U	13 U	120 U	10 U	12 U	12 U	48 J	11 U	390 J	150 J
Acetophenone	--	ug/kg	21 U	20 U	21 U	37 U	40 U	22 U	210 U	18 U	22 U	22 U	19 U	19 U	110 U	45 U
Anthracene	100,000	ug/kg	9.8 U	9.2 U	9.8 U	17 U	18 U	10 U	97 U	57 J	84 J	9.9 U	140 J	70 J	1,300 J	630 J
Atrazine	--	ug/kg	12 U	12 U	12 U	21 U	23 U	13 U	120 U	11 U	13 U	13 U	11 U	11 U	62 U	27 U
Benzaldehyde	--	ug/kg	40 U	38 U	40 U	69 U	75 U	42 U	400 U	34 U	41 U	41 U	35 U	36 U	200 U	85 U
Benzo(a)anthracene	1,000	ug/kg	6.2 U	5.8 U	6.2 U	11 U	12 U	6.4 U	1,900 J	55 J	310 J	6.3 U	130 J	82 J	2,300 J	440 J
Benzo(a)pyrene	1,000	ug/kg	7 U	6.6 U	7 U	R	R	7.3 U	1,600 J	6 U	360 J	7.1 U	93 J	38 J	2,300 J	470 J
Benzo(b)fluoranthene	1,000	ug/kg	22 U	20 U	22 U	R	R	23 U	2,300 J	38 J	300 J	22 U	90 J	42 J	2,200 J	380 J
Benzo(g,h,i)perylene	100,000	ug/kg	18 U	17 U	18 U	R	33 Rd	19 U	450 J	15 U	190 J	18 U	37 J	16 U	960 J	160 J
Benzo(k)fluoranthene	800	ug/kg	14 U	13 U	14 U	R	R	15 U	970 J	12 U	250 J	14 U	49 J	12 U	1,100 J	240 J
bis(2-Chloroethoxy)methane	--	ug/kg	19 U	18 U	19 U	32 U	35 U	19 U	190 U	16 U	19 U	19 U	16 U	17 U	93 U	40 U
bis(2-Chloroethyl)ether	--	ug/kg	20 U	19 U	20 U	35 U	38 U	21 U	200 U	17 U	21 U	20 U	18 U	18 U	100 U	43 U
bis(2-Ethylhexyl)phthalate	--	ug/kg	9.4 U	74 J	9.4 U	150 J	190 J	75 J	93 U	150 J	9.6 U	45 J	190 J	120 J	47 U	240 J
Butylbenzylphthalate	--	ug/kg	14 U	13 U	14 U	24 U	26 U	14 U	140 U	37 J	14 U	14 U	12 U	12 U	68 U	99 J
Caprolatam	--	ug/kg	15 U	14 U	15 U	26 U	28 U	16 U	150 U	13 U	15 U	15 U	13 U	13 U	75 U	32 U
Carbazole	--	ug/kg	9 U	8.5 U	9 U	15 U	17 U	9.4 U	90 U	7.7 U	9.2 U	9.1 U	63 J	8 U	45 U	19 U
Chrysene	1,000	ug/kg	13 U	12 U	13 U	22 U	24 U	13 U	1,700 J	56 J	300 J	13 U	140 J	74 J	2,200	460 J
Dibenz(a,h)anthracene	330	ug/kg	12 U	11 U	12 U	R	R	12 U	120 UJ	10 U	12 U	12 U	11 U	11 U	220 J	25 UJ
Dibenzofuran	7,000	ug/kg	13 U	13 U	13 U	23 U	90 J	14 U	130 U	12 U	14 U	14 U	41 J	12 U	67 U	130 J

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Table 18a. Summary of SVOCs Detected in Subsurface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	B-1 8 - 8.5 08/27/04	B-1 16 - 16.5 08/27/04	B-1 24.5 - 25 08/27/04	B-2 7 - 9 09/01/04	B-2 15 - 17 09/01/04	B-2 19 - 21 09/01/04	B-3 2.5 - 3 08/16/04	B-3 9 - 10 08/18/04	B-3 13 - 14 08/18/04	B-3 38 - 39 08/18/04	B-4 5 - 7 04/21/04	B-4 9 - 11 04/21/04	B-5 3 - 5 04/15/04	B-5 7 - 9 04/15/04
Semi-Volatile Organic Compounds																
Diethylphthalate	--	ug/kg	13 U	12 U	13 U	22 U	24 U	13 U	130 U	11 U	13 U	13 U	11 U	11 U	64 U	27 U
Dimethylphthalate	--	ug/kg	9.8 U	9.2 U	9.8 U	17 U	18 U	10 U	97 U	8.3 U	10 U	9.9 U	8.6 U	8.7 U	49 U	21 U
Di-n-butylphthalate	--	ug/kg	5.4 U	5.1 U	5.4 U	9.3 U	10 U	5.7 U	54 U	4.6 U	5.6 U	5.5 U	100 J	38 J	260 J	12 U
Di-n-octyl phthalate	--	ug/kg	9.8 U	9.2 U	9.8 U	17 U	18 U	10 U	97 U	8.3 U	10 U	9.9 U	8.6 U	8.7 U	49 U	21 U
Fluoranthene	100,000	ug/kg	5.7 U	5.3 U	5.7 U	9.8 U	11 U	5.9 U	3,000 J	120 J	390 J	5.8 U	260 J	130 J	4,100 J	710 J
Fluorene	30,000	ug/kg	12 U	11 U	12 U	20 U	150 J	12 U	120 U	60 J	45 J	12 U	120 J	77 J	730 J	1,000 J
Hexachlorobenzene	330	ug/kg	7.7 U	7.2 U	7.7 U	13 U	14 U	8 U	76 U	6.5 U	7.8 U	7.8 U	6.7 U	6.8 U	38 U	16 U
Hexachlorobutadiene	--	ug/kg	14 U	13 U	14 U	25 U	27 U	15 U	140 U	12 U	15 U	15 U	13 U	13 U	71 U	30 U
Hexachlorocyclopentadiene	--	ug/kg	10 UJ	9.6 UJ	10 U	18 U	19 U	11 U	100 U	R	R	10 U	9 U	9.1 U	51 U	22 U
Hexachloroethane	--	ug/kg	20 U	18 U	20 U	34 U	37 U	20 U	190 U	17 U	20 U	20 U	17 U	17 U	97 U	41 U
Indeno(1,2,3-cd)pyrene	500	ug/kg	9.9 U	9.3 U	9.9 U	17 U	19 U	10 U	98 U	8.4 UJ	150 J	10 U	8.7 U	8.8 U	680 J	21 U
Isophorone	--	ug/kg	15 U	14 U	15 U	26 U	29 U	16 U	150 U	13 U	16 U	15 U	13 U	14 U	76 U	32 U
Naphthalene	12,000	ug/kg	8.9 U	87 J	8.9 U	600 J	1,000 J	9.3 U	88 U	63 J	3,100	9 U	130 J	200 J	1,400 J	37,000 J
Nitrobenzene	--	ug/kg	21 U	19 U	21 U	36 U	39 U	22 U	210 U	18 U	21 U	21 U	18 U	19 U	100 U	44 U
N-Nitroso-di-n-propylamine	--	ug/kg	18 U	17 U	18 U	31 U	34 U	19 U	180 U	15 U	18 U	18 U	16 U	16 U	90 U	38 U
N-Nitrosodiphenylamine	--	ug/kg	10 U	9.7 U	10 U	18 U	19 U	11 U	100 U	8.9 U	11 U	11 U	9.1 U	9.3 U	52 U	22 U
Pentachlorophenol	800	ug/kg	13 U	12 U	13 U	22 U	24 U	13 U	130 U	11 U	13 U	13 U	11 U	11 U	63 U	27 U
Phenanthrene	100,000	ug/kg	9.1 U	8.6 U	9.1 U	110 J	260 J	9.5 U	2,000 J	300 J	170 J	9.3 U	550	300 J	4,400	3,500
Phenol	330	ug/kg	17 U	16 U	17 U	29 U	32 U	18 U	170 U	15 U	17 U	17 U	15 U	15 U	85 U	36 U
Pyrene	100,000	ug/kg	7.3 U	6.8 U	7.3 U	13 U	89 J	7.6 U	3,900 J	190 J	520	7.4 U	300 J	230 J	6,400	1,700
Total SVOCs	--	ug/kg	ND	351 J	ND	2,360 J	5,380 J	75 J	17,800 J	1,130 J	7,160 J	45 J	2,590 J	1,860 J	32,000 J	59,600 J

See Notes on Page 14.

Table 18a. Summary of SVOCs Detected in Subsurface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	B-5 17 - 19 04/15/04	B-6 3 - 4 03/23/04	B-7 5 - 7 05/20/04	B-7 15 - 17 05/20/04	B-8 5 - 7 05/18/04	B-8 12 - 14 05/18/04	B-10 4 - 5 03/26/04	B-10 9 - 11 04/14/04	B-11 2 - 3 03/17/04	B-11 8 - 10 04/22/04	B-11 18 - 20 04/22/04
Semi-Volatile Organic Compounds													
1,1-Biphenyl	--	ug/kg	62 J	11 U	10 U	140 J	59 U	160 U	1,700 J	36,000	1,100 U	1,500 J [2,600 J]	11,000
2,2-oxybis(1-Chloropropane)	--	ug/kg	22 U	20 U	19 U	25 U	110 U	280 U	410 U	300 U	2,100 U	220 U [440 U]	540 U
2,4,5-Trichlorophenol	--	ug/kg	28 U	25 U	23 U	30 U	130 UJ	350 UJ	510 U	370 U	2,600 U	270 U [540 U]	660 U
2,4,6-Trichlorophenol	--	ug/kg	15 U	13 U	13 U	16 U	72 UJ	190 UJ	280 U	200 U	1,400 U	150 U [290 U]	360 U
2,4-Dichlorophenol	--	ug/kg	15 U	13 U	12 U	16 U	69 UJ	180 UJ	270 U	200 U	1,400 U	140 U [280 U]	350 U
2,4-Dimethylphenol	--	ug/kg	22 U	20 U	19 U	25 U	110 UJ	280 UJ	410 U	300 U	2,100 U	220 U [440 U]	540 U
2,4-Dinitrophenol	--	ug/kg	18 U	16 U	16 U	20 U	87 UJ	230 UJ	340 U	250 UJ	1,700 U	180 UJ [360 UJ]	440 UJ
2,4-Dinitrotoluene	--	ug/kg	8.3 U	7.4 U	7.1 U	9 U	39 UJ	110 UJ	150 U	110 U	770 U	2,700 J [5,100 J]	11,000
2,6-Dinitrotoluene	--	ug/kg	18 U	16 U	15 U	19 U	84 UJ	220 UJ	330 U	240 U	1,600 U	170 U [350 U]	430 U
2-Chloronaphthalene	--	ug/kg	8.7 U	7.7 U	7.4 U	9.5 U	41 UJ	110 UJ	160 U	120 U	810 U	85 U [170 U]	210 U
2-Chlorophenol	--	ug/kg	18 U	16 U	15 U	20 U	86 UJ	230 UJ	330 U	240 U	1,700 U	180 U [350 U]	430 U
2-Methylnaphthalene	--	ug/kg	330 J	110 J	300 J	1,100	480 J	10,000 J	13,000 J	1,000,000	670 U	16,000 [29,000]	51,000
2-Methylphenol	330	ug/kg	26 U	23 U	22 U	29 U	120 UJ	330 UJ	480 U	360 U	2,400 U	260 U [510 U]	630 U
2-Nitroaniline	--	ug/kg	15 U	13 U	13 U	16 U	72 UJ	190 UJ	280 U	200 U	1,400 U	150 U [290 U]	360 U
2-Nitrophenol	--	ug/kg	17 U	15 U	14 U	18 U	80 UJ	210 UJ	310 U	230 U	1,600 U	160 U [330 U]	400 U
3,3-Dichlorobenzidine	--	ug/kg	67 U	60 U	57 U	73 U	320 UJ	850 UJ	1,200 U	900 UJ	6,200 U	650 U [1,300 U]	1,600 U
3+4-Methylphenols	--	ug/kg	19 U	17 U	16 U	21 U	91 UJ	240 UJ	350 U	260 U	1,800 U	190 U [370 U]	460 U
3-Nitroaniline	--	ug/kg	67 U	60 U	57 U	73 U	320 UJ	850 UJ	1,200 U	910 U	6,200 U	660 U [1,300 U]	1,600 U
4,6-Dinitro-2-methylphenol	--	ug/kg	24 U	22 U	21 U	26 U	110 UJ	310 UJ	440 U	330 UJ	2,200 U	240 U [470 U]	580 U
4-Bromophenyl-phenylether	--	ug/kg	11 U	9.8 U	9.3 U	12 U	52 UJ	140 UJ	200 U	150 U	1,000 U	110 U [210 U]	260 U
4-Chloro-3-methylphenol	--	ug/kg	12 U	11 U	10 U	13 U	59 UJ	160 UJ	230 U	170 U	1,100 U	120 U [240 U]	300 U
4-Chloroaniline	--	ug/kg	150 U	140 U	130 U	170 U	730 UJ	1,900 UJ	2,800 U	2,100 U	14,000 U	1,500 U [3,000 U]	3,700 U
4-Chlorophenyl-phenylether	--	ug/kg	10 U	9.2 U	8.8 U	11 U	49 UJ	130 UJ	190 U	140 U	960 U	100 U [200 U]	250 U
4-Nitroaniline	--	ug/kg	33 U	29 U	28 U	35 U	150 UJ	410 UJ	600 U	440 U	3,000 U	320 UJ [630 UJ]	780 U
4-Nitrophenol	--	ug/kg	41 U	36 U	35 U	44 U	190 U	510 U	1,400 J	550 U	3,800 U	400 U [790 U]	970 UJ
Acenaphthene	20,000	ug/kg	160 J	240 J	140 J	470	44 U	12,000 J	3,600 J	230,000	850 U	12,000 [21,000]	38,000
Acenaphthylene	100,000	ug/kg	66 J	130 J	42 J	280 J	1,200 J	9,300 J	11,000	13,000 J	1,200 U	1,000 J [1,900 J]	7,300 J
Acetophenone	--	ug/kg	22 U	19 U	18 U	24 U	100 U	280 U	400 U	290 U	2,000 U	210 U [420 U]	520 U
Anthracene	100,000	ug/kg	100 J	200 J	100 J	770	940 J	28,000	6,800 J	60,000 J	4,400 J	4,300 [8,300]	28,000
Atrazine	--	ug/kg	13 U	11 U	11 U	14 U	60 U	160 U	230 U	170 U	1,200 U	120 U [250 U]	300 U
Benzaldehyde	--	ug/kg	41 U	36 U	35 U	44 U	190 U	520 U	750 U	550 U	3,800 U	400 U [790 U]	980 U
Benzo(a)anthracene	1,000	ug/kg	120 J	390	71 J	1,100	2,100	23,000	2,800 J	31,000 J	10,000 J	3,700 J [6,600 J]	22,000
Benzo(a)pyrene	1,000	ug/kg	110 J	400	47 J	830	2,200	25,000	8,200	22,000 J	10,000 J	2,800 J [5,200 J]	16,000
Benzo(b)fluoranthene	1,000	ug/kg	100 J	430	19 U	970	1,900 J	14,000	5,900 J	15,000 J	11,000 J	2,500 J [4,800 J]	21,000
Benzo(g,h,i)perylene	100,000	ug/kg	52 J	150 J	15 U	380 J	870 J	6,100	3,500 J	2,800 J	1,700 U	650 J [1,200 J]	3,600 J
Benzo(k)fluoranthene	800	ug/kg	59 J	170 J	12 J	410 J	1,700 J	11,000	2,300 J	6,700 J	6,300 J	1,100 J [2,200 J]	6,700 J
bis(2-Chloroethoxy)methane	--	ug/kg	19 U	17 U	16 U	21 U	90 UJ	240 UJ	350 U	260 U	1,800 U	190 U [370 U]	460 U
bis(2-Chloroethyl)ether	--	ug/kg	20 U	18 U	17 U	22 U	97 U	260 U	380 U	280 U	1,900 U	200 U [400 U]	490 U
bis(2-Ethylhexyl)phthalate	--	ug/kg	170 J	8.5 U	38 J	10 U	250 J	120 U	180 U	130 U	890 U	94 U [190 U]	230 U
Butylbenzylphthalate	--	ug/kg	14 U	41 J	12 U	15 U	66 U	180 U	260 U	190 U	1,300 U	140 U [270 U]	340 U
Caprolatam	--	ug/kg	15 U	14 U	13 U	17 U	73 U	190 U	280 U	210 U	1,400 U	150 U [300 U]	370 U
Carbazole	--	ug/kg	9.2 U	87 J	7.8 U	210 J	320 UJ	120 UJ	170 U	3,000 J	850 U	90 UJ [180 UJ]	8,600 J
Chrysene	1,000	ug/kg	130 J	420	69 J	1,000	2,200	22,000	2,200 J	25,000 J	11,000 J	3,400 J [5,900 J]	17,000
Dibenz(a,h)anthracene	330	ug/kg	12 U	49 J	10 U	48 J	58 UJ	830 J	1,100 J	1,300 J	1,100 U	120 U [240 U]	1,500 J
Dibenzofuran	7,000	ug/kg	14 U	80 J	12 U	360 J	65 U	170 U	250 U	9,100	1,300 U	1,100 J [2,200 J]	20,000

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Table 18a. Summary of SVOCs Detected in Subsurface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	B-5 17 - 19 04/15/04	B-6 3 - 4 03/23/04	B-7 5 - 7 05/20/04	B-7 15 - 17 05/20/04	B-8 5 - 7 05/18/04	B-8 12 - 14 05/18/04	B-10 4 - 5 03/26/04	B-10 9 - 11 04/14/04	B-11 2 - 3 03/17/04	B-11 8 - 10 04/22/04	B-11 18 - 20 04/22/04
Semi-Volatile Organic Compounds													
Diethylphthalate	--	ug/kg	13 U	12 U	11 U	14 U	62 U	170 U	240 U	180 U	1,200 U	130 U [250 U]	310 U
Dimethylphthalate	--	ug/kg	9.9 U	8.9 U	8.4 U	11 U	47 UJ	130 UJ	180 U	130 U	920 U	97 U [190 U]	240 U
Di-n-butylphthalate	--	ug/kg	130 J	4.9 U	4.7 U	6 U	910 J	1,300 J	100 U	75 UJ	510 U	54 U [110 U]	130 U
Di-n-octyl phthalate	--	ug/kg	9.9 U	8.9 U	8.4 U	11 U	47 U	130 U	180 U	130 UJ	920 U	97 U [190 U]	240 U
Fluoranthene	100,000	ug/kg	180 J	760 J	120 J	2,600	3,800	35,000	9,000	54,000 J	22,000 J	6,000 [11,000]	52,000
Fluorene	30,000	ug/kg	130 J	300 J	100 J	630	620 J	1,400 J	6,600 J	93,000 J	1,100 U	6,100 [11,000]	35,000
Hexachlorobenzene	330	ug/kg	7.8 U	7 U	6.6 U	8.5 U	37 UJ	99 UJ	140 U	110 U	730 U	76 U [150 U]	190 U
Hexachlorobutadiene	--	ug/kg	15 U	13 U	12 U	16 U	69 U	180 U	270 U	200 U	1,400 U	140 U [280 U]	350 U
Hexachlorocyclopentadiene	--	ug/kg	10 U	9.3 U	8.9 U	11 U	50 UJ	130 UJ	190 U	140 U	970 U	100 U [200 U]	250 U
Hexachloroethane	--	ug/kg	20 U	18 U	17 U	22 U	94 U	250 U	360 U	270 U	1,800 U	190 U [390 U]	480 U
Indeno(1,2,3-cd)pyrene	500	ug/kg	42 J	120 J	8.6 U	350 J	530 J	3,500 J	180 U	1,700 J	940 U	430 J [200 U]	2,900 J
Isophorone	--	ug/kg	15 U	14 U	13 U	17 U	74 U	200 U	280 U	210 U	1,400 U	150 U [300 U]	370 U
Naphthalene	12,000	ug/kg	1,400 J	270 J	430	1,600	900 J	110 U	20,000	1,800,000	840 U	40,000 [78,000]	110,000
Nitrobenzene	--	ug/kg	21 U	19 U	18 U	23 U	100 UJ	270 UJ	390 U	290 U	2,000 U	210 U [410 U]	510 U
N-Nitroso-di-n-propylamine	--	ug/kg	18 U	16 U	16 U	20 U	87 U	230 U	340 U	250 U	1,700 U	180 U [360 U]	440 U
N-Nitrosodiphenylamine	--	ug/kg	11 U	9.4 U	9 U	12 U	50 UJ	130 UJ	190 U	140 U	980 U	100 U [210 U]	250 U
Pentachlorophenol	800	ug/kg	13 U	12 U	11 U	14 U	62 UJ	160 UJ	240 U	180 U	1,200 U	130 U [250 U]	310 U
Phenanthrene	100,000	ug/kg	410 J	550	330 J	3,000	3,600	15,000	21,000	210,000 J	17,000 J	20,000 [36,000]	110,000
Phenol	330	ug/kg	17 U	15 U	15 U	19 U	83 U	220 U	320 U	230 U	1,600 U	170 U [340 U]	420 U
Pyrene	100,000	ug/kg	290 J	900 J	170 J	2,000	4,100	69,000	5,700 J	100,000 J	21,000 J	10,000 [18,000]	48,000
Total SVOCs	--	ug/kg	4,040 J	5,800 J	1,970 J	18,200 J	28,300 J	286,000 J	126,000 J	3,710,000 J	113,000 J	135,000 J [250,000 J]	621,000 J

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Table 18a. Summary of SVOCs Detected in Subsurface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	B-11 26 - 28 04/22/04	B-12 3 - 4 03/17/04	B-12 7 - 9 04/09/04	B-12 21 - 23 04/15/04	B-13 5 - 7 04/12/04	B-14 8 - 10 04/13/04	B-14 14 - 16 04/13/04	B-15 8 - 10 04/13/04	B-15 14 - 16 04/13/04	B-16 5 - 7 04/06/04	B-16 17 - 19 04/06/04	B-16 19 - 21 04/06/04
Semi-Volatile Organic Compounds														
1,1-Biphenyl	--	ug/kg	15 U	1,100 U	4,500	870 U	180 J	140 U	12 U	87 J	51 J [13 U]	57 U	16 U	18 U
2,2-oxybis(1-Chloropropane)	--	ug/kg	27 U	2,000 U	47 U	1,600 U	38 U	250 U	23 U	21 U	25 U [23 U]	110 U	29 U	33 U
2,4,5-Trichlorophenol	--	ug/kg	33 U	2,400 U	58 U	1,900 U	46 U	300 U	28 U	25 U	30 U [28 U]	130 U	36 U	41 U
2,4,6-Trichlorophenol	--	ug/kg	18 U	1,300 U	32 U	1,100 U	25 U	170 U	15 U	14 U	17 U [16 U]	70 U	20 U	22 U
2,4-Dichlorophenol	--	ug/kg	17 U	1,300 U	31 U	1,000 U	25 U	160 U	15 U	13 U	16 U [15 U]	68 U	19 U	22 U
2,4-Dimethylphenol	--	ug/kg	27 U	2,000 U	47 U	1,600 U	38 U	250 U	23 U	21 U	25 U [23 U]	110 U	29 U	33 U
2,4-Dinitrophenol	--	ug/kg	22 UJ	1,600 U	39 UJ	R	31 UJ	200 UJ	18 UJ	17 UJ	20 UJ [19 UJ]	86 U	24 U	27 U
2,4-Dinitrotoluene	--	ug/kg	9.9 U	740 U	17 U	590 U	14 U	92 U	8.3 U	7.7 U	9.2 U [8.5 U]	39 U	11 U	12 U
2,6-Dinitrotoluene	--	ug/kg	21 U	1,600 U	37 U	1,300 U	30 U	200 U	18 U	16 U	20 U [18 U]	83 U	23 U	26 U
2-Chloronaphthalene	--	ug/kg	10 U	770 U	18 U	610 U	15 U	96 U	8.7 U	8 U	9.6 U [8.9 U]	40 U	11 U	13 U
2-Chlorophenol	--	ug/kg	21 U	1,600 U	38 U	1,300 U	30 U	200 U	18 U	17 U	20 U [19 U]	84 U	23 U	27 U
2-Methylnaphthalene	--	ug/kg	73 J	10,000 J	26,000 D	1,800,000 J	900	2,500 J	7.2 U	280 J	280 J [59 J]	33 U	9.3 U	11 U
2-Methylphenol	330	ug/kg	31 U	2,300 U	55 U	1,900 U	44 U	290 U	26 U	24 U	29 U [27 U]	120 U	34 U	39 U
2-Nitroaniline	--	ug/kg	18 U	1,300 U	32 U	1,100 U	25 U	170 U	15 U	14 U	17 U [16 U]	70 U	20 U	22 U
2-Nitrophenol	--	ug/kg	20 U	1,500 U	35 U	1,200 U	28 U	180 U	17 U	15 U	19 U [17 U]	78 U	22 U	25 U
3,3-Dichlorobenzidine	--	ug/kg	80 U	5,900 U	140 UJ	4,700 U	110 UJ	740 UJ	67 UJ	62 UJ	74 UJ [69 UJ]	310 U	87 U	99 U
3+4-Methylphenols	--	ug/kg	23 U	1,700 U	40 U	1,300 U	32 U	210 U	19 U	18 U	21 U [20 U]	89 U	25 U	28 U
3-Nitroaniline	--	ug/kg	80 U	5,900 U	240 J	4,700 U	110 U	740 U	67 U	62 U	74 U [69 U]	310 U	87 U	99 U
4,6-Dinitro-2-methylphenol	--	ug/kg	29 U	2,100 U	51 UJ	1,700 U	41 UJ	270 UJ	24 UJ	22 UJ	27 UJ [25 UJ]	110 U	31 U	36 U
4-Bromophenyl-phenylether	--	ug/kg	13 U	970 U	23 U	770 U	18 U	120 U	11 U	10 U	12 U [11 U]	51 U	14 U	16 U
4-Chloro-3-methylphenol	--	ug/kg	15 U	1,100 U	26 U	870 U	21 U	140 U	12 U	11 U	14 U [13 U]	57 U	16 U	18 U
4-Chloroaniline	--	ug/kg	180 U	14,000 U	320 U	11,000 U	260 U	1,700 U	150 U	140 U	170 U [160 U]	720 U	200 U	230 U
4-Chlorophenyl-phenylether	--	ug/kg	12 U	910 U	22 U	730 U	17 U	110 U	10 U	9.5 U	11 U [11 U]	48 U	13 U	15 U
4-Nitroaniline	--	ug/kg	39 U	2,900 U	69 U	2,300 U	55 U	360 U	33 U	30 U	36 U [34 U]	150 U	42 U	48 U
4-Nitrophenol	--	ug/kg	48 UJ	3,600 U	86 U	2,900 U	68 U	450 U	41 U	37 U	45 U [42 U]	190 U	53 U	60 U
Acenaphthene	20,000	ug/kg	100 J	810 U	34,000 J	670,000 J	360 J	35,000 J	9.2 U	89 J	300 J [9.5 U]	43 U	110 J	14 U
Acenaphthylene	100,000	ug/kg	15 U	15,000 J	2,400	210,000 J	88 J	4,900	12 U	11 U	14 U [13 U]	58 U	16 U	18 U
Acetophenone	--	ug/kg	26 U	1,900 U	46 U	1,500 U	37 U	240 U	22 U	20 U	24 U [22 U]	100 U	28 U	32 U
Anthracene	100,000	ug/kg	230 J	6,600 J	11,000 J	470,000 J	290 J	9,500 J	9.9 U	66 J	180 J [10 U]	46 U	110 J	15 U
Atrazine	--	ug/kg	15 U	1,100 U	27 U	900 U	21 U	140 U	13 U	12 U	14 U [13 U]	59 U	16 U	19 U
Benzaldehyde	--	ug/kg	49 U	3,600 U	86 U	2,900 U	69 U	450 UD	41 U	38 UD	45 U [42 U]	190 U	53 U	60 U
Benzo(a)anthracene	1,000	ug/kg	510	22,000 J	5,500 J	240,000 J	290 J	8,100 J	6.3 U	53 J	100 J [6.5 U]	250 J	240 J	90 J
Benzo(a)pyrene	1,000	ug/kg	510	27,000 J	4,400 J	280,000 J	220 J	7,200 J	7.2 U	48 J	63 J [7.4 U]	310 J	230 J	96 J
Benzo(b)fluoranthene	1,000	ug/kg	550	22,000 J	3,100 J	230,000 J	190 J	5,100 J	22 U	20 U	25 U [23 U]	300 J	220 J	92 J
Benzo(g,h,i)perylene	100,000	ug/kg	230 J	14,000 J	1,200 J	43,000 J	74 J	2,200 J	18 UJ	17 UJ	20 UJ [19 UJ]	200 J	130 J	27 U
Benzo(k)fluoranthene	800	ug/kg	190 J	11,000 J	930 J	110,000 J	110 J	3,100 J	14 UJ	13 UJ	16 UJ [15 UJ]	66 U	120 J	21 U
bis(2-Chloroethoxy)methane	--	ug/kg	23 U	1,700 U	40 U	1,300 U	32 U	210 U	19 U	18 U	21 U [20 U]	89 U	25 U	28 U
bis(2-Chloroethyl)ether	--	ug/kg	24 U	1,800 U	43 U	1,400 U	34 U	230 U	21 U	19 U	23 U [21 U]	96 U	27 U	30 U
bis(2-Ethylhexyl)phthalate	--	ug/kg	220 J	850 U	20 U	670 U	250 J	110 U	9.6 U	52 J	52 J [48 J]	45 U	12 U	14 U
Butylbenzylphthalate	--	ug/kg	17 U	1,200 U	29 U	980 U	130 J	150 U	14 U	13 U	15 U [14 U]	65 U	18 U	21 U
Caprolatam	--	ug/kg	18 U	1,400 U	32 U	1,100 U	480 J	170 U	15 U	14 U	17 U [16 U]	72 U	20 U	23 U
Carbazole	--	ug/kg	68 J	810 U	19 U	56,000 J	15 U	100 U	9.2 U	8.5 U	10 U [9.5 U]	43 U	12 U	14 U
Chrysene	1,000	ug/kg	440 J	25,000 J	4,900 J	210,000	290 J	7,700 J	13 U	57 J	94 J [14 U]	270 J	230 J	110 J
Dibenz(a,h)anthracene	330	ug/kg	78 J	1,100 U	440 J	7,400 J	21 UJ	130 UJ	12 UJ	11 UJ	14 UJ [13 UJ]	57 U	16 U	18 U
Dibenzofuran	7,000	ug/kg	56 J	1,200 U	1,300	190,000 J	23 U	1,700 J	14 U	13 U	15 U [14 U]	64 U	18 U	20 U

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Table 18a. Summary of SVOCs Detected in Subsurface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	B-11 26 - 28 04/22/04	B-12 3 - 4 03/17/04	B-12 7 - 9 04/09/04	B-12 21 - 23 04/15/04	B-13 5 - 7 04/12/04	B-14 8 - 10 04/13/04	B-14 14 - 16 04/13/04	B-15 8 - 10 04/13/04	B-15 14 - 16 04/13/04	B-16 5 - 7 04/06/04	B-16 17 - 19 04/06/04	B-16 19 - 21 04/06/04
Semi-Volatile Organic Compounds														
Diethylphthalate	--	ug/kg	16 U	1,200 U	28 U	920 U	22 U	140 U	13 U	12 U	14 U [13 U]	61 U	17 U	19 U
Dimethylphthalate	--	ug/kg	12 U	880 U	21 U	700 U	17 U	110 U	9.9 U	9.2 U	11 U [10 U]	46 U	13 U	15 U
Di-n-butylphthalate	--	ug/kg	6.6 U	490 U	12 UJ	390 U	9.3 UJ	61 UJ	5.5 UJ	5.1 UJ	6.1 UJ [5.7 UJ]	26 U	7.2 U	8.2 U
Di-n-octyl phthalate	--	ug/kg	12 U	880 U	21 UJ	700 U	17 UJ	110 UJ	9.9 UJ	9.2 UJ	11 UJ [10 UJ]	46 U	13 U	15 U
Fluoranthene	100,000	ug/kg	790	31,000 J	9,200 J	590,000 J	420 J	12,000 J	5.8 UJ	92 J	150 J [6 UJ]	390 J	340 J	120 J
Fluorene	30,000	ug/kg	150 J	5,200 J	13,000 J	670,000 J	310 J	14,000 J	12 U	82 J	190 J [12 U]	55 U	88 J	17 U
Hexachlorobenzene	330	ug/kg	9.3 U	690 U	16 U	550 U	13 U	86 U	7.8 U	7.2 U	8.6 U [8 U]	36 U	10 U	12 U
Hexachlorobutadiene	--	ug/kg	17 U	1,300 U	31 U	1,000 U	25 U	160 U	15 U	13 U	16 U [15 U]	68 U	19 U	22 U
Hexachlorocyclopentadiene	--	ug/kg	12 U	920 U	22 U	740 U	18 U	120 U	10 U	9.6 U	12 U [11 U]	49 U	14 U	15 U
Hexachloroethane	--	ug/kg	24 U	1,800 U	42 U	1,400 U	33 U	220 U	20 U	18 U	22 U [20 U]	93 U	26 U	29 U
Indeno(1,2,3-cd)pyrene	500	ug/kg	200 J	8,700 J	830 J	18,000 J	17 UJ	1,500 J	10 UJ	9.3 UJ	11 UJ [10 UJ]	47 U	110 J	15 U
Isophorone	--	ug/kg	18 U	1,400 U	33 U	1,100 U	26 U	170 U	15 U	14 U	17 U [16 U]	72 U	20 U	23 U
Naphthalene	12,000	ug/kg	170 J	19,000 J	100,000 D	2,600,000 J	480 J	6,800	9.1 U	430	580 [49 J]	42 U	150 J	13 U
Nitrobenzene	--	ug/kg	25 U	1,900 U	45 U	1,500 U	36 U	230 U	21 U	19 U	23 U [22 U]	99 U	27 U	31 U
N-Nitroso-di-n-propylamine	--	ug/kg	22 U	1,600 U	39 U	1,300 U	31 U	200 U	18 U	17 U	20 U [19 U]	86 U	24 U	27 U
N-Nitrosodiphenylamine	--	ug/kg	13 U	940 U	22 U	750 U	18 U	120 U	11 U	9.7 U	12 U [11 U]	49 U	14 U	16 U
Pentachlorophenol	800	ug/kg	15 U	1,100 U	27 U	910 U	22 U	140 U	13 U	12 U	14 U [13 U]	60 U	17 U	19 U
Phenanthrene	100,000	ug/kg	720	33,000 J	35,000 J	1,200,000	1,200 J	36,000 J	62 J	310 J	590 J [49 J]	390 J	360 J	280 J
Phenol	330	ug/kg	21 U	1,500 U	37 U	1,200 U	29 U	190 U	17 U	16 U	19 U [18 U]	81 U	23 U	26 U
Pyrene	100,000	ug/kg	720	49,000 J	17,000 J	520,000	710 J	19,000 J	64 J	180 J	300 J [7.6 U]	500 J	420 J	150 J
Total SVOCs	--	ug/kg	6,010 J	299,000 J	275,000 J	10,100,000 J	6,970 J	176,000 J	126 J	1,830 J	2,930 J [205 J]	2,610 J	2,860 J	938 J

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Table 18a. Summary of SVOCs Detected in Subsurface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	B-17 5 - 7 04/08/04	B-17 10 - 12 04/08/04	B-19 12 - 14 04/12/04	B-19 16 - 18 04/12/04	B-21 14 - 15 04/05/04	B-21 19 - 21 04/05/04	B-21 23 - 25 04/05/04	B-22 5 - 7 04/08/04	B-22 10 - 12 04/08/04	B-23 5 - 7 04/19/04	B-23 19 - 21 04/19/04	B-23 23 - 25 04/20/04	B-24 1 - 2 08/20/04
Semi-Volatile Organic Compounds															
1,1-Biphenyl	--	ug/kg	110 J	7,400	750	260 U	59 U	15 U	12 U	120 U	120 U	12 U	880 U	270 J	140 U
2,2-oxybis(1-Chloropropane)	--	ug/kg	43 U	93 U	22 U	480 U	110 U	27 U	22 U	210 U	230 U	22 U	1,600 U	28 U	250 U
2,4,5-Trichlorophenol	--	ug/kg	53 U	110 U	27 U	590 U	130 U	33 U	27 U	260 U	280 U	27 U	2,000 U	34 U	300 U
2,4,6-Trichlorophenol	--	ug/kg	29 U	63 U	15 U	320 U	72 U	18 U	15 U	140 U	150 U	15 U	1,100 U	19 U	170 U
2,4-Dichlorophenol	--	ug/kg	28 U	61 U	14 U	310 U	70 U	18 U	14 U	140 U	150 U	14 U	1,000 U	18 U	160 U
2,4-Dimethylphenol	--	ug/kg	43 U	93 U	22 U	480 U	110 U	27 U	22 U	210 U	230 U	22 U	1,600 U	28 U	250 U
2,4-Dinitrophenol	--	ug/kg	35 UJ	76 UJ	18 UJ	390 UJ	88 U	22 U	18 U	170 UJ	180 UJ	18 U	R	23 U	200 U
2,4-Dinitrotoluene	--	ug/kg	16 U	34 U	8.2 U	180 U	40 U	10 U	8 U	79 U	84 U	8.2 U	270,000 J	10 U	91 U
2,6-Dinitrotoluene	--	ug/kg	34 U	74 U	18 U	380 U	85 U	21 U	17 U	170 U	180 U	17 U	1,300 U	22 U	190 U
2-Chloronaphthalene	--	ug/kg	17 U	36 U	8.6 U	190 U	42 U	10 U	8.4 U	82 U	87 U	8.5 U	620 U	11 U	95 U
2-Chlorophenol	--	ug/kg	34 U	75 U	18 U	390 U	86 U	22 U	17 U	170 U	180 U	18 U	1,300 U	22 U	200 U
2-Methylnaphthalene	--	ug/kg	420 J	24,000	190 J	380,000	34 U	380 J	6.9 U	500 J	1,800 J	47 J	1,100,000 J	1,800 J	890 J
2-Methylphenol	330	ug/kg	50 U	110 U	26 U	560 U	130 U	32 U	25 U	250 U	260 U	26 U	1,900 U	32 U	290 U
2-Nitroaniline	--	ug/kg	29 U	63 U	15 U	320 U	72 U	18 U	15 U	140 U	150 U	15 U	1,100 U	19 U	170 U
2-Nitrophenol	--	ug/kg	32 U	69 U	17 U	360 U	80 U	20 U	16 U	160 U	170 U	16 U	1,200 U	21 U	180 U
3,3-Dichlorobenzidine	--	ug/kg	130 UJ	280 UJ	66 UJ	1,400 UJ	320 U	81 U	64 U	630 UJ	670 UJ	66 U	4,800 U	82 U	730 U
3+4-Methylphenols	--	ug/kg	36 U	79 U	19 U	410 U	92 U	23 U	18 U	180 U	190 U	19 U	1,400 U	23 U	210 U
3-Nitroaniline	--	ug/kg	130 U	280 U	67 U	1,400 U	320 U	81 U	65 U	640 U	680 U	66 U	4,800 U	83 U	740 U
4,6-Dinitro-2-methylphenol	--	ug/kg	46 UJ	100 UJ	24 UJ	520 UJ	120 U	29 U	23 U	230 UJ	240 UJ	24 U	1,700 U	30 U	270 U
4-Bromophenyl-phenylether	--	ug/kg	21 U	45 U	11 U	230 U	53 U	13 U	11 U	100 U	110 U	11 U	780 U	13 U	120 U
4-Chloro-3-methylphenol	--	ug/kg	24 U	51 U	12 U	260 U	59 U	15 U	12 U	120 U	120 U	12 U	880 U	15 U	140 U
4-Chloroaniline	--	ug/kg	290 U	640 U	150 U	3,300 U	740 U	190 U	150 U	1,500 U	1,500 U	150 U	11,000 U	190 U	1,700 U
4-Chlorophenyl-phenylether	--	ug/kg	20 U	43 U	10 U	220 U	50 U	12 U	10 U	98 U	100 U	10 U	740 U	13 U	110 U
4-Nitroaniline	--	ug/kg	62 U	140 U	32 U	700 U	160 U	39 U	31 U	310 U	330 U	32 U	2,300 U	40 U	360 U
4-Nitrophenol	--	ug/kg	78 U	170 U	40 U	870 U	200 U	49 U	39 U	380 U	410 U	40 U	2,900 U	50 U	450 U
Acenaphthene	20,000	ug/kg	500 J	12,000 J	6,300 J	290,000 J	1,100 J	1,800	8.9 U	87 U	13,000 J	9 U	630,000 J	1,600 J	100 U
Acenaphthylene	100,000	ug/kg	1,400	2,200	1,100	31,000	60 U	360 J	12 U	3,000 J	3,900 J	48 J	230,000 J	360 J	140 U
Acetophenone	--	ug/kg	42 U	90 U	22 U	470 U	100 U	26 U	21 U	210 U	220 U	21 U	1,600 U	27 U	1,200 J
Anthracene	100,000	ug/kg	1,400 J	5,200 J	2,400 J	102,500 J	430 J	390 J	9.6 U	790 J	8,600 J	9.8 U	680,000 J	2,300 J	110 U
Atrazine	--	ug/kg	24 U	43 U	13 U	270 U	61 U	15 U	12 U	120 U	130 U	12 U	910 U	16 U	140 U
Benzaldehyde	--	ug/kg	78 U	170 U	40 U	870 U	200 U	49 U	39 U	390 U	410 U	40 U	2,900 U	50 U	450 U
Benzo(a)anthracene	1,000	ug/kg	3,700 J	3,200 J	2,600 J	72,000 J	2,400	2,200	6.1 U	8,900 J	10,000 J	47 J	300,000 J	1,200 J	69 U
Benzo(a)pyrene	1,000	ug/kg	3,500 J	2,400 J	2,200 J	57,000 J	2,300	1,800	6.9 U	8,600 J	8,900 J	42 J	390,000 J	450 J	79 U
Benzo(b)fluoranthene	1,000	ug/kg	4,600 J	2,500 J	1,600 J	44,000 J	2,900	1,300	21 U	7,600 J	7,300 J	51 J	390,000 J	650 J	560 J
Benzo(g,h,i)perylene	100,000	ug/kg	840 J	470 J	510 J	9,800 J	1,000 J	430 J	17 U	2,800 J	2,600 J	18 U	57,000 J	220 J	200 J
Benzo(k)fluoranthene	800	ug/kg	1,600 J	800 J	600 J	16,000 J	920 J	600	14 U	3,400 J	2,500 J	14 U	160,000 J	670 J	460 J
bis(2-Chloroethoxy)methane	--	ug/kg	36 U	79 U	19 U	410 U	91 U	23 U	18 U	180 U	190 U	19 U	1,400 U	23 U	210 U
bis(2-Chloroethyl)ether	--	ug/kg	39 U	85 U	20 U	440 U	98 U	25 U	20 U	190 U	210 U	20 U	1,500 U	25 U	230 U
bis(2-Ethylhexyl)phthalate	--	ug/kg	18 U	40 U	9.5 U	210	46 U	12 U	42 J	91 U	96 U	110 J	680 U	170 J	110 U
Butylbenzylphthalate	--	ug/kg	27 U	58 U	14 U	300 U	67 U	17 U	13 U	130 U	140 U	14 U	1,000 U	17 U	150 U
Caprolatam	--	ug/kg	29 U	64 U	15 U	330 U	74 U	19 U	15 U	150 U	150 U	15 U	1,100 U	19 U	170 U
Carbazole	--	ug/kg	180 J	320 J	9.1 U	3,000 J	44 U	11 U	8.9 U	87 U	92 U	9 U	130,000 J	290 J	100 U
Chrysene	1,000	ug/kg	3,240 J	2,800 J	2,500 J	64,000 J	2,400	1,900	13 U	8,040 J	9,500 J	48 J	200,000	1,300	150 U
Dibenz(a,h)anthracene	330	ug/kg	300 J	51 UJ	180 J	1,900 J	59 U	72 J	12 U	460 J	120 UJ	12 U	23,000 J	88 J	130 U
Dibenzofuran	7,000	ug/kg	280 J	780 J	300 J	11,000	66 U	17 U	13 U	130 U	1,000 J	13 U	350,000 J	580 J	150 U

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Table 18a. Summary of SVOCs Detected in Subsurface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	B-17 5 - 7 04/08/04	B-17 10 - 12 04/08/04	B-19 12 - 14 04/12/04	B-19 16 - 18 04/12/04	B-21 14 - 15 04/05/04	B-21 19 - 21 04/05/04	B-21 23 - 25 04/05/04	B-22 5 - 7 04/08/04	B-22 10 - 12 04/08/04	B-23 5 - 7 04/19/04	B-23 19 - 21 04/19/04	B-23 23 - 25 04/20/04	B-24 1 - 2 08/20/04
Semi-Volatile Organic Compounds															
Diethylphthalate	--	ug/kg	25 U	54 U	13 U	280 U	63 U	16 U	13 U	120 U	130 U	13 U	930 U	16 U	140 U
Dimethylphthalate	--	ug/kg	19 U	41 U	9.9 U	210 U	48 U	12 U	9.6 U	94 U	100 U	9.8 U	710 U	12 U	110 U
Di-n-butylphthalate	--	ug/kg	11 UJ	23 UJ	5.5 UJ	120 UJ	27 U	6.7 U	5.3 U	52 UJ	56 UJ	76 J	390 U	6.8 U	61 U
Di-n-octyl phthalate	--	ug/kg	19 UJ	41 UJ	9.9 UJ	210 UJ	48 U	12 U	9.6 U	94 UJ	100 UJ	9.8 U	710 U	12 U	110 U
Fluoranthene	100,000	ug/kg	7,800 J	6,000 J	3,700 J	130,000 J	4,700	2,800	50 J	8,860 J	15,000 J	65 J	850,000 J	3,200 J	64 U
Fluorene	30,000	ug/kg	800 J	8,070 J	3,610 J	160,000 J	57 U	180 J	11 U	470 J	9,250 J	12 U	680,000 J	1,600 J	130 U
Hexachlorobenzene	330	ug/kg	15 U	32 U	7.7 U	170 U	37 U	9.4 U	7.5 U	74 U	78 U	7.7 U	560 U	9.6 U	86 U
Hexachlorobutadiene	--	ug/kg	28 U	61 U	14 U	310 U	70 U	18 U	14 U	140 U	150 U	14 U	1,000 U	18 U	160 U
Hexachlorocyclopentadiene	--	ug/kg	20 U	43 U	10 U	220 U	50 U	13 U	10 U	99 U	110 U	10 U	750 U	13 U	110 U
Hexachloroethane	--	ug/kg	38 U	82 U	20 U	430 U	95 U	24 U	19 U	190 U	200 U	20 U	1,400 U	24 U	220 U
Indeno(1,2,3-cd)pyrene	500	ug/kg	620 J	310 J	370 J	6,500 J	890 J	360 J	9.7 U	2,300 J	2,000 J	9.9 U	26,000 J	93 J	110 J
Isophorone	--	ug/kg	30 U	64 U	15 U	330 U	74 U	19 U	15 U	150 U	160 U	15 U	1,100 U	19 U	170 U
Naphthalene	12,000	ug/kg	510 J	100,000	1,100	1,200,000	43 U	690	8.7 U	86 U	22,000	91 J	2,100,000 J	4,000 J	1,600 J
Nitrobenzene	--	ug/kg	40 U	88 U	21 U	450 U	100 U	26 U	20 U	200 U	210 U	21 U	1,500 U	26 U	230 U
N-Nitroso-di-n-propylamine	--	ug/kg	35 U	76 U	18 U	390 U	88 U	22 U	18 U	170 U	180 U	18 U	1,300 U	23 U	200 U
N-Nitrosodiphenylamine	--	ug/kg	20 U	44 U	10 U	230 U	51 U	13 U	10 U	100 U	110 U	10 U	750 U	13 U	120 U
Pentachlorophenol	800	ug/kg	25 U	54 U	13 U	280 U	62 U	16 U	13 U	120 U	130 U	13 U	920 U	16 U	140 U
Phenanthrene	100,000	ug/kg	6,420 J	20,000 J	11,000 J	347,300 J	930 J	980	9 U	1,900 J	32,000 J	120 J	1,300,000	4,500 D	100 U
Phenol	330	ug/kg	33 U	72 U	17 U	370 U	83 U	21 U	17 U	160 U	170 U	17 U	1,200 U	21 U	190 U
Pyrene	100,000	ug/kg	8,600 J	10,000 J	6,900 J	200,000 J	4,800	4,000	51 J	16,700 J	27,000 J	70 J	550,000	3,600	620 J
Total SVOCs	--	ug/kg	46,800 J	208,000 J	47,900 J	3,130,000 J	24,800 J	20,200 J	143 J	74,300 J	176,000 J	815 J	10,400,000 J	28,900 J	5,640 J

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Table 18a. Summary of SVOCs Detected in Subsurface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	B-24 2 - 2.5 08/20/04	B-24 6.5 - 7 08/25/04	B-24 9 - 11 08/19/04	B-24 10 - 10.5 08/25/04	B-25 10 - 10.5 08/20/04	B-25 16.5 - 17 08/20/04	B-25 22.5 - 23 08/20/04	B-26 11 - 11.5 08/18/04	B-26 25 - 27 08/18/04	B-26 37 - 39 08/18/04	B-27 10 - 12 05/20/04	B-32 5 - 7 04/06/04	B-32 13 - 15 04/06/04
Semi-Volatile Organic Compounds															
1,1-Biphenyl	--	ug/kg	47 U	22 U	12 U	12 U	12 U	13 U	12 U	11 U	13 U	11 U	270 J [580]	270 J	110 J
2,2-oxybis(1-Chloropropane)	--	ug/kg	86 U	41 U	21 U	21 U	23 U	24 U	23 U	21 U	24 U	21 U	22 U [27 U]	100 U	26 U
2,4,5-Trichlorophenol	--	ug/kg	110 U	50 U	26 U	26 U	28 U	30 U	28 U	25 U	30 U	26 U	27 U [33 U]	120 U	32 U
2,4,6-Trichlorophenol	--	ug/kg	58 U	27 U	14 U	14 U	15 U	16 U	15 U	14 U	16 U	14 U	15 U [18 U]	68 U	18 U
2,4-Dichlorophenol	--	ug/kg	56 U	26 U	14 U	14 U	15 U	16 U	15 U	13 U	16 U	14 U	15 U [18 U]	65 U	17 U
2,4-Dimethylphenol	--	ug/kg	86 U	41 U	21 U	21 U	23 U	24 U	23 U	21 U	24 U	21 U	22 U [27 U]	100 U	26 U
2,4-Dinitrophenol	--	ug/kg	70 U	33 U	17 UJ	17 U	18 U	20 U	19 U	17 UJ	20 UJ	17 UJ	18 U [22 U]	82 U	21 U
2,4-Dinitrotoluene	--	ug/kg	32 U	15 U	7.8 U	7.8 U	8.3 U	9 U	8.4 U	7.6 U	8.9 U	7.7 U	8.3 U [10 U]	37 U	9.6 U
2,6-Dinitrotoluene	--	ug/kg	68 U	32 U	17 U	17 U	18 U	19 U	18 U	16 U	19 U	16 U	18 U [21 U]	79 U	21 U
2-Chloronaphthalene	--	ug/kg	33 U	16 U	8.2 U	8.1 U	8.7 U	9.4 U	8.7 U	8 U	9.3 U	8 U	8.6 U [10 U]	39 U	10 U
2-Chlorophenol	--	ug/kg	69 U	33 U	17 U	17 U	18 U	19 U	18 U	17 U	19 U	17 U	18 U [22 U]	81 U	21 U
2-Methylnaphthalene	--	ug/kg	320 J	77 J	190 J	6.7 U	650	310 J	110 J	53 J	7.7 U	6.6 U	1,800 [5,800]	520 J	1,200
2-Methylphenol	330	ug/kg	100 U	48 U	25 U	25 U	26 U	28 U	26 U	24 U	28 U	24 U	26 U [32 U]	120 U	31 U
2-Nitroaniline	--	ug/kg	58 U	27 U	14 U	14 U	15 U	16 U	15 U	14 U	16 U	14 U	15 U [18 U]	68 U	18 U
2-Nitrophenol	--	ug/kg	64 U	30 U	16 U	16 U	17 U	18 U	17 U	15 U	18 U	16 U	17 U [20 U]	75 U	19 U
3,3-Dichlorobenzidine	--	ug/kg	260 U	120 U	63 U	62 U	67 U	72 U	67 U	61 U	72 U	62 U	67 U [81 U]	300 U	78 U
3+4-Methylphenols	--	ug/kg	73 U	35 U	18 U	18 U	19 U	21 U	19 U	18 U	20 U	18 U	19 U [23 U]	86 U	22 U
3-Nitroaniline	--	ug/kg	260 U	120 U	63 U	63 U	67 U	72 U	68 U	62 U	72 U	62 U	67 U [81 U]	300 U	78 U
4,6-Dinitro-2-methylphenol	--	ug/kg	93 U	44 U	23 UJ	23 U	24 U	26 U	24 U	22 UJ	26 UJ	22 UJ	24 U [29 U]	110 U	28 U
4-Bromophenyl-phenylether	--	ug/kg	42 U	20 U	10 U	10 U	11 U	12 U	11 U	10 U	12 U	10 U	11 U [13 U]	49 U	13 U
4-Chloro-3-methylphenol	--	ug/kg	47 U	22 U	12 U	12 U	12 U	13 U	12 U	11 U	13 U	11 U	12 U [15 U]	55 U	14 U
4-Chloroaniline	--	ug/kg	590 U	280 U	150 U	140 U	150 U	170 U	160 U	140 U	170 U	140 U	150 U [190 U]	690 U	180 U
4-Chlorophenyl-phenylether	--	ug/kg	40 U	19 U	9.7 U	9.6 U	10 U	11 U	10 U	9.5 U	11 U	9.6 U	10 U [12 U]	46 U	12 U
4-Nitroaniline	--	ug/kg	130 U	59 U	31 U	30 U	33 U	35 U	33 U	30 U	35 U	30 U	32 U [39 U]	150 U	38 U
4-Nitrophenol	--	ug/kg	160 U	74 U	38 U	38 U	41 U	R	R	37 U	44 U	38 U	40 U [49 U]	180 U	47 U
Acenaphthene	20,000	ug/kg	35 U	17 U	8.7 U	8.6 U	9.2 U	9.9 U	9.3 U	8.5 U	9.8 U	8.5 U	960 [2,300]	1,600 J	530
Acenaphthylene	100,000	ug/kg	330 J	140 J	12 U	12 U	98 J	13 U	13 U	11 U	13 U	12 U	580 [840]	470 J	14 U
Acetophenone	--	ug/kg	630 J	39 U	21 U	20 U	76 J	23 U	22 U	20 U	23 U	20 U	22 U [26 U]	97 U	25 U
Anthracene	100,000	ug/kg	170 J	200 J	61 J	51 J	10 U	79 J	10 U	110 J	11 U	9.2 U	550 [1,300]	1,300 J	170 J
Atrazine	--	ug/kg	49 U	23 U	12 U	12 U	13 U	14 U	13 U	12 U	14 U	12 U	13 U [15 U]	57 U	15 U
Benzaldehyde	--	ug/kg	160 U	74 U	38 U	38 U	41 U	44 U	41 U	38 U	44 U	38 U	41 U [49 U]	180 U	47 U
Benzo(a)anthracene	1,000	ug/kg	1,000 J	1,300	5.9 U	260 J	69 J	270 J	6.3 U	610	6.7 U	5.8 U	970 [1,000]	1,700 J	180 J
Benzo(a)pyrene	1,000	ug/kg	2,100 J	1,600	63 J	290 J	99 J	230 J	7.2 U	570	7.7 U	6.6 U	1,000 [1,200]	1,200 J	140 J
Benzo(b)fluoranthene	1,000	ug/kg	3,000 J	2,000	57 J	390	130 J	280 J	22 U	600	24 U	21 U	540 [930]	1,200 J	96 J
Benzo(g,h,i)perylene	100,000	ug/kg	980 J	900	60 J	170 J	18 U	95 J	18 U	310 J	19 U	17 U	340 J [270 J]	440 J	64 J
Benzo(k)fluoranthene	800	ug/kg	1,300 J	720 J	13 U	150 J	54 J	120 J	14 U	260 J	15 U	13 U	610 J [690 J]	470 J	56 J
bis(2-Chloroethoxy)methane	--	ug/kg	73 U	34 U	18 U	18 U	19 U	20 U	19 U	17 U	20 U	18 U	19 U [23 U]	85 U	22 U
bis(2-Chloroethyl)ether	--	ug/kg	79 U	37 U	19 U	19 U	21 U	22 U	21 U	19 U	22 U	19 U	20 U [25 U]	92 U	24 U
bis(2-Ethylhexyl)phthalate	--	ug/kg	37 U	360 J	75 J	89 J	46 J	45 J	9.6 U	8.8 U	10 U	310 J	9.5 U [12 U]	43 U	11 U
Butylbenzylphthalate	--	ug/kg	54 U	25 U	13 U	13 U	14 U	15 U	14 U	13 U	15 U	42 J	14 U [17 U]	63 U	16 U
Caprolatam	--	ug/kg	59 U	28 U	14 U	14 U	15 U	17 U	15 U	14 U	16 U	14 U	15 U [19 U]	69 U	18 U
Carbazole	--	ug/kg	35 U	17 U	8.7 U	8.6 U	9.2 U	9.9 U	9.3 U	8.5 U	9.8 U	8.5 U	54 J [140 J]	41 U	11 U
Chrysene	1,000	ug/kg	1,000 J	1,300	12 U	270 J	69 J	230 J	13 U	570	14 U	12 U	910 [1,100]	1,500 J	170 J
Dibenz(a,h)anthracene	330	ug/kg	47 UJ	150 J	12 U	11 U	12 U	13 U	12 U	39 J	13 U	11 U	12 U [15 U]	55 U	14 U
Dibenzofuran	7,000	ug/kg	53 U	25 U	13 U	13 U	14 U	15 U	14 U	13 U	15 U	13 U	140 J [350 J]	61 U	16 U

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Table 18a. Summary of SVOCs Detected in Subsurface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	B-24 2 - 2.5 08/20/04	B-24 6.5 - 7 08/25/04	B-24 9 - 11 08/19/04	B-24 10 - 10.5 08/25/04	B-25 10 - 10.5 08/20/04	B-25 16.5 - 17 08/20/04	B-25 22.5 - 23 08/20/04	B-26 11 - 11.5 08/18/04	B-26 25 - 27 08/18/04	B-26 37 - 39 08/18/04	B-27 10 - 12 05/20/04	B-32 5 - 7 04/06/04	B-32 13 - 15 04/06/04
Semi-Volatile Organic Compounds															
Diethylphthalate	--	ug/kg	50 U	24 U	12 U	12 U	13 U	14 U	13 U	12 U	14 U	12 U	13 U [16 U]	59 U	15 U
Dimethylphthalate	--	ug/kg	38 U	18 U	9.4 U	9.3 U	10 U	11 U	10 U	9.1 U	11 U	9.2 U	9.9 U [12 U]	45 U	12 U
Di-n-butylphthalate	--	ug/kg	21 U	10 U	5.2 U	5.2 U	5.6 U	6 U	5.6 U	5.1 U	5.9 U	5.1 U	5.5 U [6.7 U]	25 U	6.4 U
Di-n-octyl phthalate	--	ug/kg	38 U	18 U	9.4 U	9.3 U	10 U	11 U	10 U	9.1 U	11 U	9.2 U	9.9 U [12 U]	45 U	12 U
Fluoranthene	100,000	ug/kg	920 J	1,600	78 J	350 J	96 J	470	5.8 U	750	6.2 U	5.4 U	1,400 [1,900]	2,200	220 J
Fluorene	30,000	ug/kg	45 U	21 U	11 U	11 U	12 U	53 J	12 U	65 J	13 U	11 U	660 [1,600]	1,400 J	200 J
Hexachlorobenzene	330	ug/kg	30 U	14 U	7.4 U	7.3 U	7.8 U	8.4 U	7.9 U	7.2 U	8.4 U	7.2 U	7.8 U [9.4 U]	35 U	9.1 U
Hexachlorobutadiene	--	ug/kg	56 U	26 U	14 U	14 U	15 U	16 U	15 U	13 U	16 U	14 U	15 U [18 U]	65 U	17 U
Hexachlorocyclopentadiene	--	ug/kg	40 U	19 UJ	R	9.8 UJ	10 U	11 U	11 U	R	R	R	10 U [13 U]	47 U	12 U
Hexachloroethane	--	ug/kg	76 U	36 U	19 U	19 U	20 U	21 U	20 U	18 U	21 U	18 U	20 U [24 U]	89 U	23 U
Indeno(1,2,3-cd)pyrene	500	ug/kg	310 J	720 J	40 J	140 J	10 U	57 J	10 U	240 J	11 UJ	9.3 UJ	240 J [280 J]	350 J	56 J
Isophorone	--	ug/kg	59 U	28 U	15 U	14 U	16 U	17 U	16 U	14 U	17 U	14 U	15 U [19 U]	69 U	18 U
Naphthalene	12,000	ug/kg	710 J	310 J	370 J	110 J	1,700	2,200	610	350 J	9.7 U	8.4 U	4,800 [21,000]	1,300 J	6,900
Nitrobenzene	--	ug/kg	81 U	38 U	20 U	20 U	21 U	23 U	21 U	19 U	23 U	20 U	21 U [26 U]	95 U	25 U
N-Nitroso-di-n-propylamine	--	ug/kg	70 U	33 U	17 U	17 U	18 U	20 U	19 U	17 U	20 U	17 U	18 U [22 U]	82 U	21 U
N-Nitrosodiphenylamine	--	ug/kg	41 U	19 U	10 U	9.9 U	11 U	11 U	11 U	9.7 U	11 U	9.8 U	11 U [13 U]	47 U	12 U
Pentachlorophenol	800	ug/kg	50 U	23 U	12 U	12 U	13 U	14 U	13 U	12 U	14 U	12 U	13 U [16 U]	58 U	15 U
Phenanthrene	100,000	ug/kg	500 J	530 J	130 J	120 J	91 J	220 J	9.4 U	310 J	10 U	8.6 U	2,000 [3,900]	5,300	630
Phenol	330	ug/kg	67 U	31 U	16 U	16 U	17 U	19 U	17 U	16 U	19 U	16 U	17 U [21 U]	78 U	20 U
Pyrene	100,000	ug/kg	1,400 J	2,100	110 J	420	150 J	500	7.5 U	1,000	8 U	6.9 U	1,800 [3,200]	3,700	360 J
Total SVOCs	--	ug/kg	14,700 J	14,000 J	1,230 J	2,810 J	3,330 J	5,160 J	720 J	5,840 J	ND	352 J	19,600 J [48,400 J]	24,900 J	11,100 J

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Table 18a. Summary of SVOCs Detected in Subsurface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	B-32 21 - 23 04/06/04	B-32 35 - 37 04/07/04	B-33 4 - 5 03/23/04	B-33 7 - 9 04/21/04	B-34 5 - 7 04/14/04	B-34 17 - 19 04/14/04	B-35 5 - 7 04/26/04	B-37 5 - 7 04/20/04	B-37 11 - 13 04/20/04	B-38 10 - 12 04/20/04	B-38 16 - 18 04/20/04	B-39 19 - 21 04/15/04	B-40 4 - 4.5 08/26/04
Semi-Volatile Organic Compounds															
1,1-Biphenyl	--	ug/kg	1,600	13 U	12 U	2,500	230 U	21,000	240 U	110 U	1,500	2,000	12 U	15 U	10 U
2,2-oxybis(1-Chloropropane)	--	ug/kg	43 U	24 U	22 U	21 U	420 U	460 U	440 U	210 U	22 U	45 U	22 U	28 U	19 U
2,4,5-Trichlorophenol	--	ug/kg	52 U	29 U	27 U	26 U	510 U	560 U	540 U	250 U	27 U	55 U	27 U	35 U	23 U
2,4,6-Trichlorophenol	--	ug/kg	29 U	16 U	15 U	14 U	280 U	310 U	300 U	140 U	15 U	30 U	15 U	19 U	13 U
2,4-Dichlorophenol	--	ug/kg	28 U	15 U	14 U	14 U	270 U	300 U	290 U	130 U	14 U	29 U	14 U	18 U	12 U
2,4-Dimethylphenol	--	ug/kg	43 U	24 U	22 U	21 U	420 U	460 U	440 U	210 U	22 U	45 U	22 U	28 U	19 U
2,4-Dinitrophenol	--	ug/kg	35 U	19 U	18 U	17 U	340 UJ	380 UJ	360 UJ	1,700 UD	18 U	37 U	18 U	23 U	15 U
2,4-Dinitrotoluene	--	ug/kg	16 U	8.7 U	8.2 U	7.9 U	150 U	170 U	160 U	76 U	8 U	17 U	8 U	10 U	7 U
2,6-Dinitrotoluene	--	ug/kg	34 U	19 U	17 U	17 U	330 U	360 U	350 U	160 U	17 U	36 U	17 U	22 U	15 U
2-Chloronaphthalene	--	ug/kg	16 U	9.1 U	8.5 U	8.2 U	160 U	180 U	170 U	79 U	8.4 U	17 U	8.4 U	11 U	7.3 U
2-Chlorophenol	--	ug/kg	34 U	19 U	18 U	17 U	330 U	370 U	350 U	160 U	17 U	36 U	17 U	23 U	15 U
2-Methylnaphthalene	--	ug/kg	17,000	160 J	7.1 U	16,000 JD	16,000	38,000	140 U	36,000 J	9,600 J	9,800 D	110 J	69 J	53 J
2-Methylphenol	330	ug/kg	50 U	28 U	26 U	25 U	490 U	540 U	520 U	240 U	25 U	53 U	25 U	33 U	22 U
2-Nitroaniline	--	ug/kg	29 U	16 U	15 U	14 U	280 U	310 U	300 U	140 U	15 U	30 U	15 U	19 U	13 U
2-Nitrophenol	--	ug/kg	32 U	18 U	16 U	16 U	310 U	340 U	330 U	150 U	16 U	34 U	16 U	21 U	14 U
3,3-Dichlorobenzidine	--	ug/kg	130 U	70 U	66 U	63 U	1,200 UJ	1,400 UJ	1,300 U	610 U	65 U	130 U	65 U	84 U	56 U
3+4-Methylphenols	--	ug/kg	36 U	20 U	19 U	18 U	360 U	390 U	380 U	170 U	18 U	38 U	18 U	24 U	16 U
3-Nitroaniline	--	ug/kg	130 U	70 U	66 U	64 U	1,200 U	1,400 U	1,300 U	610 U	65 U	130 U	65 U	84 U	57 U
4,6-Dinitro-2-methylphenol	--	ug/kg	46 U	25 U	24 U	23 U	450 UJ	490 U	470 U	220 U	23 U	49 U	23 U	30 U	20 U
4-Bromophenyl-phenylether	--	ug/kg	21 U	11 U	11 U	10 U	200 U	220 U	210 U	100 U	11 U	22 U	11 U	14 U	9.2 U
4-Chloro-3-methylphenol	--	ug/kg	23 U	13 U	12 U	12 U	230 U	250 U	240 U	110 U	12 U	25 U	12 U	15 U	10 U
4-Chloroaniline	--	ug/kg	290 U	160 U	150 U	150 U	2,900 U	3,100 U	3,000 U	1,400 U	150 U	310 U	150 U	190 U	130 U
4-Chlorophenyl-phenylether	--	ug/kg	20 U	11 U	10 U	9.8 U	190 U	210 U	200 U	94 U	10 U	21 U	10 U	13 U	8.7 U
4-Nitroaniline	--	ug/kg	62 U	34 U	32 U	31 U	610 U	670 U	640 UJ	300 U	32 U	65 U	31 U	41 U	27 U
4-Nitrophenol	--	ug/kg	77 U	43 U	40 U	38 U	760 U	830 U	800 U	370 U	39 U	82 U	39 U	51 U	34 U
Acenaphthene	20,000	ug/kg	7,600	84 J	54 J	10,000 D	44,000 J	24,000 J	180 U	1,700 J	4,100 J	4,200 D	190 J	12 U	7.7 U
Acenaphthylene	100,000	ug/kg	490 J	13 U	12 U	2,700	25,000	2,600 J	2,100 J	500 J	800 J	3,800 J	54 J	16 U	37 J
Acetophenone	--	ug/kg	41 U	23 U	21 U	21 U	400 U	440 U	430 U	200 U	21 U	44 U	21 U	27 U	18 U
Anthracene	100,000	ug/kg	2,600	10 U	9.8 U	3,500 D	47,200 J	12,000 J	960 J	2,200 J	2,700 J	7,300 D	190 J	12 U	8.4 U
Atrazine	--	ug/kg	24 U	13 U	12 U	12 U	240 U	260 U	250 U	120 U	12 U	26 U	12 U	16 U	11 U
Benzaldehyde	--	ug/kg	77 U	43 U	40 U	39 U	760 U	830 U	800 U	370 U	39 U	82 U	39 U	51 U	34 U
Benzo(a)anthracene	1,000	ug/kg	2,100	6.6 U	140 J	2,500	70,000 J	8,500 J	3,400 J	1,700 J	1,600 J	6,000 J	190 J	7.9 U	5.3 U
Benzo(a)pyrene	1,000	ug/kg	1,600	7.5 U	250 J	2,000	59,000 J	9,900 J	4,100 J	1,700 J	640 J	2,500 J	160 J	9 U	6 U
Benzo(b)fluoranthene	1,000	ug/kg	1,200	23 U	280 J	1,300	58,000 J	6,200 J	4,500 J	960 J	920 J	5,600 J	100 J	28 U	19 U
Benzo(g,h,i)perylene	100,000	ug/kg	540 J	19 U	130 J	400	11,000 J	4,900 J	1,500 J	810 J	280 J	1,100 J	73 J	23 U	15 U
Benzo(k)fluoranthene	800	ug/kg	560 J	15 U	110 J	1,100	15,000 J	2,600 J	1,800 J	920 J	620 J	3,400 J	86 J	18 U	12 U
bis(2-Chloroethoxy)methane	--	ug/kg	36 U	20 U	19 U	18 U	350 U	390 U	370 U	170 U	18 U	38 U	18 U	24 U	16 U
bis(2-Chloroethyl)ether	--	ug/kg	39 U	21 U	20 U	19 U	380 U	420 U	400 U	190 U	20 U	41 U	20 U	26 U	17 U
bis(2-Ethylhexyl)phthalate	--	ug/kg	18 U	47 J	9.4 U	85 J	180 U	200 U	190 U	87 U	120 J	1,700	67 J	130 J	60 J
Butylbenzylphthalate	--	ug/kg	26 U	15 U	14 U	13 U	260 U	290 U	270 U	130 U	14 U	28 U	13 U	18 U	12 U
Caprolatam	--	ug/kg	29 U	16 U	15 U	15 U	290 U	310 U	300 U	140 U	15 U	31 U	15 U	19 U	13 U
Carbazole	--	ug/kg	84 J	9.6 U	9 U	250 J	170 U	190 U	180 UJ	84 U	230 J	2,200 J	8.9 U	12 U	7.7 U
Chrysene	1,000	ug/kg	1,900	14 U	150 J	2,500	64,000 J	8,400 J	3,600 J	1,600 J	1,700	6,000	180 J	17 U	11 U
Dibenz(a,h)anthracene	330	ug/kg	98 J	13 U	12 U	63 J	2,300 J	250 UJ	240 U	110 U	12 UJ	170 J	12 U	15 U	10 U
Dibenzofuran	7,000	ug/kg	340 J	14 U	13 U	580 U	3,600 J	280 U	270 U	390 J	490 J	5,600 J	51 J	17 U	12 U

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Table 18a. Summary of SVOCs Detected in Subsurface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	B-32 21 - 23 04/06/04	B-32 35 - 37 04/07/04	B-33 4 - 5 03/23/04	B-33 7 - 9 04/21/04	B-34 5 - 7 04/14/04	B-34 17 - 19 04/14/04	B-35 5 - 7 04/26/04	B-37 5 - 7 04/20/04	B-37 11 - 13 04/20/04	B-38 10 - 12 04/20/04	B-38 16 - 18 04/20/04	B-39 19 - 21 04/15/04	B-40 4 - 4.5 08/26/04
Semi-Volatile Organic Compounds															
Diethylphthalate	--	ug/kg	25 U	14 U	13 U	12 U	240 U	270 U	260 U	120 U	13 U	26 U	13 U	98 J	11 U
Dimethylphthalate	--	ug/kg	19 U	10 U	9.8 U	9.4 U	180 U	200 U	190 U	91 U	9.6 U	20 U	9.6 U	12 J	8.4 U
Di-n-butylphthalate	--	ug/kg	10 U	5.8 U	5.4 U	5.2 U	100 UJ	110 UJ	110 U	50 U	5.4 U	11 U	5.3 U	130 J	4.7 U
Di-n-octyl phthalate	--	ug/kg	19 U	10 U	9.8 U	9.4 U	180 UJ	200 UJ	190 U	91 U	9.6 U	20 U	9.6 U	12 U	8.4 U
Fluoranthene	100,000	ug/kg	3,000	45 J	65 J	4,500 D	93,000 J	19,000 J	4,300 J	2,900 J	3,100 J	17,000 D	450	73 J	4.9 U
Fluorene	30,000	ug/kg	3,200	12 U	12 U	4,700 D	52,600 J	14,000 J	230 U	4,000 J	3,600 J	6,200 D	210 J	15 U	10 U
Hexachlorobenzene	330	ug/kg	15 U	8.2 U	7.7 U	7.4 U	150 U	160 U	150 U	71 U	7.5 U	16 U	7.5 U	9.8 U	6.6 U
Hexachlorobutadiene	--	ug/kg	28 U	15 U	14 U	14 U	270 U	300 U	290 U	130 U	14 U	29 U	14 U	18 U	12 U
Hexachlorocyclopentadiene	--	ug/kg	20 U	11 U	10 U	9.9 U	190 U	210 U	200 U	95 U	10 U	21 U	10 U	13 U	8.8 UJ
Hexachloroethane	--	ug/kg	38 U	21 U	20 U	19 U	370 U	410 U	390 U	180 U	19 U	40 U	19 U	25 U	17 U
Indeno(1,2,3-cd)pyrene	500	ug/kg	510 J	11 U	110 J	120 J	8,200 J	3,100 J	1,000 J	600 J	84 J	370 J	58 J	13 U	8.5 U
Isophorone	--	ug/kg	29 U	16 U	15 U	15 U	290 U	320 U	300 U	140 U	15 U	31 U	15 U	19 U	13 U
Naphthalene	12,000	ug/kg	120,000	740	330 J	75,000 D	1,300 J	250,000	1,200 J	92,000 J	24,000 J	19,000 JD	140 J	210 J	38 J
Nitrobenzene	--	ug/kg	40 U	22 U	21 U	20 U	390 U	430 U	410 U	190 U	20 U	42 U	20 U	27 U	18 U
N-Nitroso-di-n-propylamine	--	ug/kg	35 U	19 U	18 U	17 U	340 U	380 U	360 U	170 U	18 U	37 U	18 U	23 U	15 U
N-Nitrosodiphenylamine	--	ug/kg	20 U	11 U	10 U	10 U	200 U	220 UJ	210 U	96 U	10 U	21 U	10 U	13 U	8.9 U
Pentachlorophenol	800	ug/kg	25 U	14 U	13 U	12 U	240 U	260 U	250 U	120 U	13 U	26 U	13 U	16 U	11 U
Phenanthrene	100,000	ug/kg	9,800	120 J	48 J	9,400 ED	47,200 J	61,000 J	4,500 J	15,000	12,000	19,000 JD	1,200	170 J	7.9 U
Phenol	330	ug/kg	33 U	18 U	17 U	16 U	320 U	350 U	340 U	160 U	17 U	35 U	17 U	22 U	15 U
Pyrene	100,000	ug/kg	4,900	72 J	74 J	7,000 D	170,000 J	37,000 J	7,400 J	6,300	5,100	1,800	560	94 J	6.3 U
Total SVOCs	--	ug/kg	179,000 J	1,270 J	1,740 J	146,000 J	787,000 J	522,000 J	40,400 J	169,000 J	73,200 J	125,000 J	4,070 J	986 J	188 J

See Notes on Page 14.

Table 18a. Summary of SVOCs Detected in Subsurface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	B-40A 3.5 - 4 08/26/04	B-41 3 - 5 04/22/04	B-45 7 - 9 05/19/04	B-45 22 - 24 05/19/04	B-45 32 - 34 05/20/04	B-46 7 - 9 05/20/04	B-56 3 - 4 09/01/04	B-TT1 5 - 6 08/24/04	B-TT1 8.5 - 9 08/25/04	B-TT1 12 - 12.5 08/25/04
Semi-Volatile Organic Compounds												
1,1-Biphenyl	--	ug/kg	10 U	11 U	750 J	8,500	47,000	53 J	43 U	570 U	210 J	23 U
2,2-oxybis(1-Chloropropane)	--	ug/kg	19 U	21 U	110 U	110 U	440 U	20 U	79 U	1,000 U	41 U	42 U
2,4,5-Trichlorophenol	--	ug/kg	23 U	26 U	130 UJ	140 UJ	540 U	24 U	97 U	1,300 U	50 U	51 U
2,4,6-Trichlorophenol	--	ug/kg	13 U	14 U	72 UJ	75 UJ	300 U	13 U	53 U	700 U	27 U	28 U
2,4-Dichlorophenol	--	ug/kg	12 U	14 U	70 UJ	72 UJ	290 U	13 U	51 U	680 U	27 U	27 U
2,4-Dimethylphenol	--	ug/kg	19 U	21 U	110 UJ	110 UJ	440 U	20 U	79 U	1,000 U	41 U	42 U
2,4-Dinitrophenol	--	ug/kg	15 U	17 UJ	88 UJ	91 UJ	360 U	16 U	65 U	850 U	33 U	34 U
2,4-Dinitrotoluene	--	ug/kg	6.9 U	7.7 U	40 UJ	41 UJ	160 U	7.2 U	29 U	390 U	15 U	15 U
2,6-Dinitrotoluene	--	ug/kg	15 U	16 U	85 UJ	88 UJ	350 U	15 U	62 U	820 U	32 U	33 U
2-Chloronaphthalene	--	ug/kg	7.2 U	8 U	41 UJ	43 UJ	170 U	7.5 U	31 U	400 U	16 U	16 U
2-Chlorophenol	--	ug/kg	15 U	17 U	86 UJ	89 UJ	350 U	16 U	63 U	840 U	33 U	33 U
2-Methylnaphthalene	--	ug/kg	6 U	72 J	2,300 J	92,000 J	470,000 D	420	4,500	330 U	4,700	660 J
2-Methylphenol	330	ug/kg	22 U	24 U	130 UJ	130 UJ	520 U	23 U	93 U	1,200 U	48 U	49 U
2-Nitroaniline	--	ug/kg	13 U	14 U	72 UJ	75 UJ	300 U	13 U	53 U	700 U	27 U	28 U
2-Nitrophenol	--	ug/kg	14 U	16 U	80 UJ	83 UJ	330 U	15 U	59 U	780 U	30 U	31 U
3,3-Dichlorobenzidine	--	ug/kg	56 U	62 U	320 UJ	330 UJ	1,300 U	58 U	240 U	3,100 U	120 U	120 U
3+4-Methylphenols	--	ug/kg	16 U	18 U	91 UJ	94 UJ	380 U	17 U	67 U	890 U	35 U	35 U
3-Nitroaniline	--	ug/kg	56 U	62 U	320 UJ	330 UJ	1,300 U	58 U	240 U	3,100 U	120 U	120 U
4,6-Dinitro-2-methylphenol	--	ug/kg	20 U	22 U	120 UJ	120 UJ	470 U	21 U	85 U	1,100 U	44 U	45 U
4-Bromophenyl-phenylether	--	ug/kg	9.1 U	10 U	52 UJ	54 UJ	220 U	9.5 U	39 U	510 U	170 J	20 U
4-Chloro-3-methylphenol	--	ug/kg	10 U	11 U	59 UJ	61 UJ	240 U	11 U	43 U	570 U	22 U	23 U
4-Chloroaniline	--	ug/kg	130 U	140 U	730 UJ	760 UJ	3,000 U	130 U	540 U	7,200 U	280 U	280 U
4-Chlorophenyl-phenylether	--	ug/kg	8.6 U	9.6 U	49 UJ	51 UJ	200 U	9 U	36 U	480 U	19 U	19 U
4-Nitroaniline	--	ug/kg	27 U	30 UJ	160 UJ	160 UJ	640 U	28 U	110 U	1,500 U	59 U	60 U
4-Nitrophenol	--	ug/kg	34 U	38 U	190 U	200 U	800 U	35 U	140 U	1,900 U	74 U	75 U
Acenaphthene	20,000	ug/kg	7.6 U	190 J	4,700 J	37,000 J	170,000 D	8 U	32 U	430 U	95 J	17 U
Acenaphthylene	100,000	ug/kg	10 U	170 J	2,900 J	5,200 J	41,000	11 U	44 U	580 U	240 J	23 U
Acetophenone	--	ug/kg	18 U	20 U	100 U	110 U	430 U	19 U	77 U	1,000 U	40 U	40 U
Anthracene	100,000	ug/kg	8.3 U	310 J	6,800	25,000	87,000 D	8.6 U	35 U	460 U	230 J	18 U
Atrazine	--	ug/kg	11 U	12 U	61 U	63 U	250 U	11 U	45 U	590 U	23 U	23 U
Benzaldehyde	--	ug/kg	34 U	38 U	190 U	200 U	800 U	35 U	140 U	1,900 U	74 U	75 U
Benzo(a)anthracene	1,000	ug/kg	5.2 U	630	7,200	12,000	63,000	5.5 U	310 J	290 U	250 J	100 J
Benzo(a)pyrene	1,000	ug/kg	6 U	480	7,100	9,300	49,000	6.2 U	330 J	330 U	280 J	140 J
Benzo(b)fluoranthene	1,000	ug/kg	18 U	560	7,100	6,300	41,000	19 U	460 J	1,000 U	280 J	160 J
Benzo(g,h,i)perylene	100,000	ug/kg	15 U	160 J	1,800 J	1,700 J	8,500	16 U	160 J	840 U	170 J	87 J
Benzo(k)fluoranthene	800	ug/kg	12 U	240 J	3,200	3,900	19,000 J	12 U	270 J	660 U	180 J	82 J
bis(2-Chloroethoxy)methane	--	ug/kg	16 U	18 U	91 UJ	94 UJ	370 U	17 U	67 U	880 U	35 U	35 U
bis(2-Chloroethyl)ether	--	ug/kg	17 U	19 U	98 U	100 U	400 U	18 U	72 U	950 U	37 U	38 U
bis(2-Ethylhexyl)phthalate	--	ug/kg	57 J	490	600 J	210 J	190 U	71 J	210 J	440 U	17 U	89 J
Butylbenzylphthalate	--	ug/kg	12 U	70 J	67 U	69 U	270 U	12 U	49 U	650 U	25 U	26 U
Caprolatam	--	ug/kg	13 U	14 U	73 U	76 U	300 U	13 U	54 U	710 U	28 U	28 U
Carbazole	--	ug/kg	7.6 U	62 J	910 J	930 J	9,700	8 U	32 U	430 U	17 U	17 U
Chrysene	1,000	ug/kg	11 U	610	7,200	11,000	58,000	11 U	360 J	610 U	290 J	110 J
Dibenz(a,h)anthracene	330	ug/kg	10 U	53 J	300 J	370 J	1,700 J	11 U	R	570 U	22 U	23 U
Dibenzofuran	7,000	ug/kg	11 U	56 J	1,400 J	3,200	29,000	12 U	48 U	640 U	25 U	25 U

See Notes on Page 14.

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Table 18a. Summary of SVOCs Detected in Subsurface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	B-40A 3.5 - 4 08/26/04	B-41 3 - 5 04/22/04	B-45 7 - 9 05/19/04	B-45 22 - 24 05/19/04	B-45 32 - 34 05/20/04	B-46 7 - 9 05/20/04	B-56 3 - 4 09/01/04	B-TT1 5 - 6 08/24/04	B-TT1 8.5 - 9 08/25/04	B-TT1 12 - 12.5 08/25/04
Semi-Volatile Organic Compounds												
Diethylphthalate	--	ug/kg	11 U	12 U	62 U	65 U	260 U	11 U	46 U	610 U	24 U	24 U
Dimethylphthalate	--	ug/kg	8.3 U	9.2 U	47 UJ	49 UJ	200 U	8.6 U	35 U	460 U	18 U	18 U
Di-n-butylphthalate	--	ug/kg	4.6 U	120 J	1,700 J	590 J	110 U	4.8 U	19 U	260 U	10 U	10 U
Di-n-octyl phthalate	--	ug/kg	8.3 U	9.2 U	47 U	49 U	200 U	8.6 U	35 U	460 U	18 U	18 U
Fluoranthene	100,000	ug/kg	4.8 U	1,000	13,000	25,000	110,000 D	5 U	470 J	270 U	430 J	150 J
Fluorene	30,000	ug/kg	9.8 U	190 J	6,000 J	22,000 J	110,000 D	10 U	260 J	550 U	270 J	22 U
Hexachlorobenzene	330	ug/kg	6.5 U	7.2 U	37 UJ	39 UJ	150 U	6.8 U	27 U	360 U	14 U	14 U
Hexachlorobutadiene	--	ug/kg	12 U	14 U	70 U	72 U	290 U	13 U	51 U	680 U	27 U	27 U
Hexachlorocyclopentadiene	--	ug/kg	8.7 UJ	9.7 U	50 UJ	52 UJ	210 U	9.1 U	37 U	490 UJ	19 UJ	19 UJ
Hexachloroethane	--	ug/kg	17 U	18 U	95 U	98 U	390 U	17 U	70 U	920 U	36 U	37 U
Indeno(1,2,3-cd)pyrene	500	ug/kg	8.4 U	150 J	1,200 J	1,200 J	7,300 J	8.7 U	35 U	470 U	120 J	19 U
Isophorone	--	ug/kg	13 U	14 U	74 U	76 U	300 U	13 U	54 U	720 U	28 U	29 U
Naphthalene	12,000	ug/kg	7.5 U	170 J	1,300 J	120,000 J	1,000,000 D	140 J	1,700	420 U	21,000 D	1,700
Nitrobenzene	--	ug/kg	18 U	20 U	100 UJ	100 UJ	420 U	18 U	74 U	980 U	38 U	39 U
N-Nitroso-di-n-propylamine	--	ug/kg	15 U	17 U	88 U	91 U	360 U	16 U	65 U	850 U	33 U	34 U
N-Nitrosodiphenylamine	--	ug/kg	8.8 U	9.8 U	50 UJ	52 UJ	210 U	9.2 U	37 U	490 U	19 U	20 U
Pentachlorophenol	800	ug/kg	11 U	12 U	62 UJ	64 UJ	250 U	11 U	46 U	600 U	24 U	24 U
Phenanthrene	100,000	ug/kg	7.7 U	1,200	30,000	85,000 D	310,000 D	67 J	660 J	430 U	580 J	120 J
Phenol	330	ug/kg	14 U	16 U	83 U	86 U	340 U	15 U	61 U	810 U	32 U	32 U
Pyrene	100,000	ug/kg	6.2 U	1,300	23,000	40,000	150,000 D	61 J	830 J	340 U	600 J	200 J
Total SVOCs	--	ug/kg	57 J	8,280 J	130,000 J	510,000 J	2,780,000 J	812 J	10,500 J	ND	30,100 J	3,600 J

See Notes on Page 14.

Table 18a. Summary of SVOCs Detected in Subsurface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Notes:

J = indicates an estimated value.

ND = not detected.

R = rejected.

D = compounds analyzed at a dilution.

U = indicates the constituent was not detected at the PQL. The value preceding the U indicates the PQL.

UJ = estimated non-detect.

ug/kg = micrograms per kilogram.

bgs = below ground surface.

PQL = practical quantitation limit.

NYCRR = New York State Codes Rules and Regulations.

SCOs = Soil Cleanup Objectives according to 6 NYCRR Subpart 375-6 *Remedial Program Soil Cleanup Objectives*.

-- = no SCO exists for the specified compound.

VOCs = volatile organic compounds.

Bolded and shaded values exceed the Unrestricted Use SCOs.

See Notes on Page 1.

Table 18b. Summary of SVOCs Detected in Subsurface Soil - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SB-101 7 - 8 07/13/06	SB-101 20 - 21 07/15/06	SB-101 32.5 - 33 07/15/06	SB-101 37 - 38 07/15/06	SB-102 8 - 9 07/13/06	SB-102 32 - 33 07/13/06	SB-102 39 - 40 07/13/06	SB-102 49 - 50 07/13/06	SB-103 8 - 9 07/30/06	SB-103 49 - 50 07/30/06	SB-104 7 - 8 07/31/06	SB-104 20 - 21 07/31/06	SB-104 25.5 - 26 07/31/06	SB-104 49 - 50 07/31/06	SB-105 9 - 10 07/29/06
Semi-Volatile Organic Compounds																	
1,1-Biphenyl	--	ug/kg	1,500 U	3,200 J	390 U	420 U	330 U	11,000 U	380 U	500 U	430 U	450 U	390 U	5,500 J	430 U	400 U	110 J
1,2,4-Trichlorobenzene	--	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	1,100	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	2,400	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	1,800	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-oxybis(1-Chloropropane)	--	ug/kg	1,500 U	11,000 U	390 U	420 U	330 U	11,000 U	380 U	500 U	430 U	450 U	390 U	41,000 U	430 U	400 U	790 U
2,4,5-Trichlorophenol	--	ug/kg	7,100 U	52,000 U	1,900 U	2,000 U	1,600 U	54,000 U	1,900 U	2,400 U	2,100 UJ	2,200 UJ	1,900 UJ	200,000 U	2,100 UJ	2,000 UJ	3,800 U
2,4,6-Trichlorophenol	--	ug/kg	1,500 U	11,000 U	390 U	420 U	330 U	11,000 U	380 U	500 U	430 U	450 U	390 U	41,000 U	430 U	400 U	790 U
2,4-Dichlorophenol	--	ug/kg	1,500 U	11,000 U	390 U	420 U	330 U	11,000 U	380 U	500 U	430 U	450 U	390 U	41,000 U	430 U	400 U	790 U
2,4-Dimethylphenol	--	ug/kg	1,500 U	11,000 U	390 U	420 U	330 U	11,000 U	380 U	500 U	430 U	450 U	390 U	41,000 U	430 U	400 U	790 U
2,4-Dinitrophenol	--	ug/kg	7,100 UJ	52,000 UJ	1,900 U	2,000 U	1,600 UJ	54,000 UJ	1,900 UJ	2,400 U	2,100 UJ	2,200 UJ	1,900 UJ	200,000 U	2,100 UJ	2,000 UJ	3,800 U
2,4-Dinitrotoluene	--	ug/kg	1,500 U	11,000 U	390 U	420 U	330 U	11,000 U	380 U	500 U	430 U	450 U	390 U	41,000 U	430 U	400 U	790 U
2,6-Dinitrotoluene	--	ug/kg	1,500 U	11,000 U	390 U	420 U	330 U	11,000 U	380 U	500 U	430 U	450 U	390 U	41,000 U	430 U	400 U	790 U
2-Chloronaphthalene	--	ug/kg	1,500 U	11,000 U	390 U	420 U	330 U	11,000 U	380 U	500 U	430 U	450 U	390 U	41,000 U	430 U	400 U	790 U
2-Chlorophenol	--	ug/kg	1,500 U	11,000 U	390 U	420 U	330 U	11,000 U	380 U	500 U	430 U	450 U	390 U	41,000 U	430 U	400 U	790 U
2-Methylnaphthalene	--	ug/kg	4,400	39,000	390 U	420 U	330 U	85,000	380 U	500 U	430 U	450 U	390 U	120,000	430 U	400 U	1,900
2-Methylphenol	330	ug/kg	1,500 U	11,000 U	390 U	420 U	330 U	11,000 U	380 U	500 U	430 U	450 U	390 U	41,000 U	430 U	400 U	790 U
2-Nitroaniline	--	ug/kg	7,100 U	52,000 U	1,900 U	2,000 U	1,600 U	54,000 U	1,900 U	2,400 U	2,100 U	2,200 U	1,900 U	200,000 U	2,100 U	2,000 U	3,800 U
2-Nitrophenol	--	ug/kg	1,500 U	11,000 U	390 U	420 U	330 U	11,000 U	380 U	500 U	430 U	450 U	390 U	41,000 U	430 U	400 U	790 U
3,3-Dichlorobenzidine	--	ug/kg	2,900 U	21,000 U	790 U	830 U	670 U	22,000 U	760 U	1,000 U	860 U	910 U	790 U	82,000 U	850 U	810 U	1,600 U
3-Nitroaniline	--	ug/kg	7,100 U	52,000 U	1,900 U	2,000 U	1,600 U	54,000 U	1,900 U	2,400 U	2,100 U	2,200 U	1,900 U	200,000 U	2,100 U	2,000 U	3,800 U
4,6-Dinitro-2-methylphenol	--	ug/kg	7,100 UJ	52,000 UJ	1,900 U	2,000 U	1,600 UJ	54,000 UJ	1,900 UJ	2,400 U	2,100 U	2,200 U	1,900 U	200,000 U	2,100 U	2,000 U	3,800 U
4-Bromophenyl-phenylether	--	ug/kg	1,500 U	11,000 U	390 U	420 U	330 U	11,000 U	380 U	500 U	430 U	450 U	390 U	41,000 U	430 U	400 U	790 U
4-Chloro-3-methylphenol	--	ug/kg	1,500 U	11,000 U	390 U	420 U	330 U	11,000 U	380 U	500 U	430 U	450 U	390 U	41,000 U	430 U	400 U	790 U
4-Chloroaniline	--	ug/kg	1,500 U	11,000 U	390 U	420 U	330 U	11,000 U	380 U	500 U	430 U	450 U	390 U	41,000 U	430 U	400 U	790 U
4-Chlorophenyl-phenylether	--	ug/kg	1,500 U	11,000 U	390 U	420 U	330 U	11,000 U	380 U	500 U	430 U	450 U	390 U	41,000 U	430 U	400 U	790 U
4-Nitroaniline	--	ug/kg	2,900 U	21,000 U	790 U	830 U	670 U	22,000 U	760 U	1,000 U	860 U	910 U	790 U	82,000 U	850 U	810 U	1,600 U
4-Nitrophenol	--	ug/kg	7,100 U	52,000 U	1,900 U	2,000 U	1,600 UJ	54,000 U	1,900 UJ	2,400 U	2,100 U	2,200 U	1,900 U	200,000 U	2,100 U	2,000 U	3,800 U
Acenaphthene	20,000	ug/kg	410 J	2,500 J	390 U	420 U	330 U	3,600 J	380 U	500 U	430 U	450 U	390 U	41,000 U	430 U	400 U	310 J
Acenaphthylene	100,000	ug/kg	4,800	3,800 J	390 U	420 U	190 J	2,500 J	380 U	500 U	170 J	450 U	390 U	10,000 J	430 U	400 U	100 J
Acetophenone	--	ug/kg	340 J	11,000 U	390 U	420 U	330 U	11,000 U	380 U	500 U	200 J	450 U	390 U	41,000 U	430 U	400 U	280 J
Anthracene	100,000	ug/kg	1,100 J	3,000 J	390 U	420 U	330 U	4,000 J	380 U	500 U	430 U	450 U	390 U	9,200 J	430 U	400 U	790 U
Atrazine	--	ug/kg	1,500 U	11,000 U	390 U	420 U	330 U	11,000 U	380 U	500 U	430 U	450 U	390 U	41,000 U	430 U	400 U	790 U
Benzaldehyde	--	ug/kg	1,500 UJ	11,000 UJ	390 UJ	420 UJ	330 UJ	11,000 UJ	380 UJ	500 UJ	430 UJ	450 UJ	390 UJ	41,000 U	430 UJ	400 UJ	790 U
Benzo(a)anthracene	1,000	ug/kg	3,200	1,900 J	390 U	420 U	330 U	2,300 J	380 U	500 U	130 J	450 U	390 U	5,700 J	430 U	400 U	790 U
Benzo(a)pyrene	1,000	ug/kg	7,800	1,500 J	390 U	420 U	330 U	1,700 J	380 U	500 U	130 J	450 U	390 U	41,000 U	430 U	400 U	790 U
Benzo(b)fluoranthene	1,000	ug/kg	5,300	11,000 U	390 U	420 U	330 U	11,000 U	380 U	500 U	430 U	450 U	390 U	41,000 U	430 U	400 U	790 U
Benzo(g,h,i)perylene	100,000	ug/kg	17,000	11,000 U	390 U	420 U	230 J	11,000 U	380 U	500 U	160 J	450 U	390 U	41,000 U	430 U	400 U	790 U
Benzo(k)fluoranthene	800	ug/kg	4,400	11,000 U	390 U	420 U	330 U	11,000 U	380 U	500 U	130 J	450 U	390 U	41,000 U	430 U	400 U	790 U
Benzyl alcohol	--	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	--	ug/kg	1,500 U	11,000 U	390 U	420 U	330 U	11,000 U	380 U	500 U	430 U	450 U	390 U	41,000 U	430 U	400 U	790 U
bis(2-Chloroethyl)ether	--	ug/kg	1,500 U	11,000 U	390 U	420 U	330 U	11,000 U	380 U	500 U	430 U	450 U	390 U	41,000 U	430 U	400 U	790 U
bis(2-Ethylhexyl)phthalate	--	ug/kg	1,500 U	11,000 U	390 U	420 UJ	330 U	11,000 U	380 U	640 UJ	650 U	460 U	390 U	41,000 U	2,600	440 U	790 U
Butylbenzylphthalate	--	ug/kg	1,500 U	11,000 U	390 U	420 U	330 U	11,000 U	380 U	500 U	430 U	450 U	390 U	12,000 J	430 U	400 U	790 U
Caprolatam	--	ug/kg	1,500 U	11,000 U	390 U	420 U	330 U	11,000 U	380 U	500 U	430 U	450 U	390 U	41,000 U	430 U	400 U	790 U
Carbazole	--	ug/kg	240 J	11,000 U	390 U	420 U	330 U	11,000 U	380 U	500 U	430 U	450 U	390 U	41,000 U	430 U	400 U	790 U
Chrysene	1,000	ug/kg	3,200	1,800 J	390 U	420 U	330 U	2,000 J	380 U	500 U	170 J	450 U	390 U	41,000 U	430 U	400 U	110 J

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Table 18b. Summary of SVOCs Detected in Subsurface Soil - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SB-101 7 - 8 07/13/06	SB-101 20 - 21 07/15/06	SB-101 32.5 - 33 07/15/06	SB-101 37 - 38 07/15/06	SB-102 8 - 9 07/13/06	SB-102 32 - 33 07/13/06	SB-102 39 - 40 07/13/06	SB-102 49 - 50 07/13/06	SB-103 8 - 9 07/30/06	SB-103 49 - 50 07/30/06	SB-104 7 - 8 07/31/06	SB-104 20 - 21 07/31/06	SB-104 25.5 - 26 07/31/06	SB-104 49 - 50 07/31/06	SB-105 9 - 10 07/29/06
Semi-Volatile Organic Compounds																	
Dibenz(a,h)anthracene	330	ug/kg	4,100	11,000 U	390 U	420 U	330 U	11,000 U	380 U	500 U	51 J	450 U	390 U	41,000 U	430 U	400 U	790 U
Dibenzofuran	7,000	ug/kg	1,500 U	11,000 U	390 U	420 U	330 U	11,000 U	380 U	500 U	430 U	450 U	390 U	41,000 U	430 U	400 U	790 U
Diethylphthalate	- -	ug/kg	1,500 U	11,000 U	390 U	420 U	330 U	11,000 U	380 U	500 U	430 U	450 U	390 U	41,000 U	430 U	400 U	790 U
Dimethylphthalate	- -	ug/kg	1,500 U	11,000 U	390 U	420 U	330 U	11,000 U	380 U	500 U	430 U	450 U	390 U	41,000 U	430 U	400 U	790 U
Di-n-butylphthalate	- -	ug/kg	1,500 U	11,000 U	390 U	420 U	330 U	11,000 U	63 J	500 U	430 U	450 U	390 U	41,000 U	430 U	400 U	790 U
Di-n-octyl phthalate	- -	ug/kg	1,500 U	11,000 U	390 U	420 U	330 U	11,000 U	380 U	500 U	430 U	450 U	390 U	41,000 U	430 U	400 U	790 U
Fluoranthene	100,000	ug/kg	2,500	3,400 J	390 U	420 U	330 U	3,500 J	380 U	500 U	61 J	450 U	390 U	7,700 J	430 U	400 U	130 J
Fluorene	30,000	ug/kg	1,500 U	3,700 J	390 U	420 U	330 U	5,100 J	380 U	500 U	430 U	450 U	390 U	11,000 J	430 U	400 U	110 J
Hexachlorobenzene	330	ug/kg	1,500 U	11,000 U	390 U	420 U	330 U	11,000 U	380 U	500 U	430 U	450 U	390 U	41,000 U	430 U	400 U	790 U
Hexachlorobutadiene	- -	ug/kg	1,500 U	11,000 U	390 U	420 U	330 U	11,000 U	380 UJ	500 U	430 U	450 U	390 U	41,000 U	430 U	400 U	790 U
Hexachlorocyclopentadiene	- -	ug/kg	1,500 UJ	11,000 UJ	390 UJ	420 UJ	330 UJ	11,000 UJ	380 U	500 UJ	430 U	450 U	390 U	41,000 UJ	430 U	400 U	790 UJ
Hexachloroethane	- -	ug/kg	1,500 U	11,000 U	390 U	420 U	330 U	11,000 U	380 U	500 U	430 U	450 U	390 U	41,000 U	430 U	400 U	790 U
Indeno(1,2,3-cd)pyrene	500	ug/kg	17,000	11,000 U	390 U	420 U	190 J	11,000 U	380 U	500 U	180 J	450 U	390 U	41,000 U	430 U	400 U	790 U
Isophorone	- -	ug/kg	1,500 U	11,000 U	390 U	420 U	330 U	11,000 U	380 U	500 U	430 U	450 U	390 U	41,000 U	430 U	400 U	790 U
Naphthalene	12,000	ug/kg	7,100	150,000	390 U	420 U	330 U	150,000	380 U	500 U	79 J	450 U	390 U	400,000	430 U	400 U	9,100
Nitrobenzene	- -	ug/kg	1,500 U	11,000 U	390 U	420 U	330 U	11,000 U	380 U	500 U	430 U	450 U	390 U	41,000 U	430 U	400 U	790 U
N-Nitroso-di-n-propylamine	- -	ug/kg	1,500 U	11,000 U	390 U	420 U	330 U	11,000 U	380 U	500 U	430 U	450 U	390 U	41,000 U	430 U	400 U	790 U
N-Nitrosodiphenylamine	- -	ug/kg	1,500 U	11,000 U	390 U	420 U	330 U	11,000 U	380 U	500 U	430 U	450 U	390 U	41,000 U	430 U	400 U	790 U
p-Cresol	330	ug/kg	1,500 U	11,000 U	390 U	420 U	330 U	11,000 U	380 U	500 U	430 U	450 U	390 U	41,000 U	430 U	400 U	790 U
Pentachlorophenol	800	ug/kg	7,100 UJ	52,000 UJ	1,900 U	2,000 U	1,600 U	54,000 UJ	1,900 U	2,400 U	2,100 U	2,200 U	1,900 U	200,000 U	2,100 U	2,000 U	3,800 U
Phenanthrene	100,000	ug/kg	2,400	9,700 J	390 U	420 U	330 U	11,000	380 U	500 U	130 J	450 U	390 U	27,000 J	430 U	400 U	190 J
Phenol	330	ug/kg	1,500 U	11,000 U	390 U	420 U	330 U	11,000 U	380 U	500 U	430 U	450 U	390 U	41,000 U	430 U	400 U	790 U
Pyrene	100,000	ug/kg	3,000	5,000 J	75 J	420 U	330 U	6,100 J	380 U	500 U	100 J	450 U	390 U	15,000 J	430 U	400 U	250 J
Total SVOCs	- -	ug/kg	88,300 J	229,000 J	75 J	ND	610 J	277,000 J	63 J	ND	1,690 J	ND	ND	623,000 J	2,600	ND	12,600 J

See Notes on Page 16.

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Table 18b. Summary of SVOCs Detected in Subsurface Soil - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SB-105 11 - 12 07/29/06	SB-105 16.5 - 17 07/29/06	SB-105 39 - 40 07/29/06	SB-106 8 - 9 07/30/06	SB-106 20 - 21 07/30/06	SB-106 32 - 33 07/30/06	SB-107B 9 - 11 06/20/06	SB-107B 29 - 31 06/20/06	SB-107B 39 - 41 06/20/06	SB-107B 53 - 54 06/20/06	SB-108 9 - 11 06/19/06	SB-108 34 - 35 06/20/06	SB-108 43 - 45 06/21/06
Semi-Volatile Organic Compounds															
1,1-Biphenyl	--	ug/kg	380 U	410 U	420 U	390 U	410 U	440 U	140 J [370 U]	280,000 J	400 U	440 U	390 U	1,400 J	280 J
1,2,4-Trichlorobenzene	--	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	1,100	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	2,400	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	1,800	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-oxybis(1-Chloropropane)	--	ug/kg	380 U	410 U	420 U	390 U	410 U	440 U	390 U [370 U]	530,000 U	400 U	440 U	390 U	1,600 U	370 U
2,4,5-Trichlorophenol	--	ug/kg	1,800 UJ	2,000 UJ	2,100 UJ	1,900 UJ	2,000 UJ	2,100 UJ	1,900 U [1,800 U]	2,600,000 U	2,000 U	2,100 U	1,900 U	7,800 U	1,800 U
2,4,6-Trichlorophenol	--	ug/kg	380 U	410 U	420 U	390 U	410 U	440 U	390 U [370 U]	530,000 U	400 U	440 U	390 U	1,600 U	370 U
2,4-Dichlorophenol	--	ug/kg	380 U	410 U	420 U	390 U	410 U	440 U	390 U [370 U]	530,000 U	400 U	440 U	390 U	1,600 U	370 U
2,4-Dimethylphenol	--	ug/kg	380 U	410 U	420 U	390 U	410 U	440 U	390 U [370 U]	530,000 U	400 U	440 U	390 U	1,600 U	370 U
2,4-Dinitrophenol	--	ug/kg	1,800 UJ	2,000 UJ	2,100 UJ	1,900 UJ	2,000 UJ	2,100 UJ	1,900 U [1,800 U]	2,600,000 U	2,000 U	2,100 U	1,900 U	7,800 UJ	1,800 U
2,4-Dinitrotoluene	--	ug/kg	380 U	410 U	420 U	390 U	410 U	440 U	390 U [370 U]	530,000 U	400 U	440 U	390 U	1,600 U	370 U
2,6-Dinitrotoluene	--	ug/kg	380 U	410 U	420 U	390 U	410 U	440 U	390 U [370 U]	530,000 U	400 U	440 U	390 U	1,600 U	370 U
2-Chloronaphthalene	--	ug/kg	380 U	410 U	420 U	390 U	410 U	440 U	390 U [370 U]	530,000 U	400 U	440 U	390 U	1,600 U	370 U
2-Chlorophenol	--	ug/kg	380 U	410 U	420 U	390 U	410 U	440 U	390 U [370 U]	530,000 U	400 U	440 U	390 U	1,600 U	370 U
2-Methylnaphthalene	--	ug/kg	350 J	410 U	420 U	120 J	410 U	440 U	240 J [370 U]	2,800,000	240 J	440 U	390 U	1,800	2,100
2-Methylphenol	330	ug/kg	380 U	410 U	420 U	390 U	410 U	440 U	390 U [370 U]	530,000 U	400 U	440 U	390 U	1,600 U	370 U
2-Nitroaniline	--	ug/kg	1,800 U	2,000 U	2,100 U	1,900 U	2,000 U	2,100 U	1,900 U [1,800 U]	2,600,000 U	2,000 U	2,100 U	1,900 U	7,800 U	1,800 U
2-Nitrophenol	--	ug/kg	380 U	410 U	420 U	390 U	410 U	440 U	390 U [370 U]	530,000 U	400 U	440 U	390 U	1,600 U	370 U
3,3-Dichlorobenzidine	--	ug/kg	760 U	830 U	850 U	770 U	810 U	890 U	790 U [750 U]	1,100,000 U	810 U	870 U	770 U	3,200 U	750 U
3-Nitroaniline	--	ug/kg	1,800 U	2,000 U	2,100 U	1,900 U	2,000 U	2,100 U	1,900 U [1,800 U]	2,600,000 U	2,000 U	2,100 U	1,900 U	7,800 U	1,800 U
4,6-Dinitro-2-methylphenol	--	ug/kg	1,800 U	2,000 U	2,100 U	1,900 U	2,000 U	2,100 U	1,900 U [1,800 U]	2,600,000 U	2,000 U	2,100 U	1,900 U	7,800 UJ	1,800 U
4-Bromophenyl-phenylether	--	ug/kg	380 U	410 U	420 U	390 U	410 U	440 U	390 U [370 U]	530,000 U	400 U	440 U	390 U	1,600 U	370 U
4-Chloro-3-methylphenol	--	ug/kg	380 U	410 U	420 U	390 U	410 U	440 U	390 U [370 U]	530,000 U	400 U	440 U	390 U	1,600 U	370 U
4-Chloroaniline	--	ug/kg	380 U	410 U	420 U	390 U	410 U	440 U	390 U [370 U]	530,000 U	400 U	440 U	390 U	1,600 U	370 U
4-Chlorophenyl-phenylether	--	ug/kg	380 U	410 U	420 U	390 U	410 U	440 U	390 U [370 U]	530,000 U	400 U	440 U	390 U	1,600 U	370 U
4-Nitroaniline	--	ug/kg	760 U	830 U	850 U	770 U	810 U	890 U	790 U [750 U]	1,100,000 U	810 U	870 U	770 U	3,200 U	750 U
4-Nitrophenol	--	ug/kg	1,800 U	2,000 U	2,100 U	1,900 U	2,000 U	2,100 U	1,900 U [1,800 U]	2,600,000 U	2,000 U	2,100 U	1,900 U	7,800 U	1,800 U
Acenaphthene	20,000	ug/kg	580	410 U	420 U	390 U	410 U	440 U	510 [86 J]	1,500,000	200 J	440 U	390 U	8,900	310 J
Acenaphthylene	100,000	ug/kg	170 J	410 U	420 U	57 J	410 U	440 U	330 J [210 J]	120,000 J	400 U	440 U	390 U	1,100 J	1,100
Acetophenone	--	ug/kg	110 J	410 U	420 U	390 U	410 U	440 U	170 J [370 U]	530,000 U	400 U	440 U	390 U	1,600 U	370 U
Anthracene	100,000	ug/kg	200 J	410 U	420 U	120 J	410 U	440 U	650 [230 J]	660,000	140 J	440 U	74 J	5,200	840
Atrazine	--	ug/kg	380 U	410 U	420 U	390 U	410 U	440 U	390 U [370 U]	530,000 U	400 U	440 U	390 U	1,600 U	370 U
Benzaldehyde	--	ug/kg	380 UJ	410 UJ	420 UJ	90 J	410 UJ	440 UJ	60 J [370 UJ]	530,000 UJ	400 UJ	440 UJ	390 UJ	1,600 UJ	370 UJ
Benzo(a)anthracene	1,000	ug/kg	260 J	410 U	420 U	360 J	410 U	440 U	1,300 [610]	390,000 J	88 J	440 U	180 J	2,600	540
Benzo(a)pyrene	1,000	ug/kg	210 J	410 U	420 U	410	410 U	440 U	1,400 J [550 J]	250,000 J	56 J	440 U	230 J	1,800	370 J
Benzo(b)fluoranthene	1,000	ug/kg	380 U	410 U	420 U	380 J	410 U	440 U	1,800 J [690 J]	240,000 J	400 U	440 U	280 J	1,300 J	290 J
Benzo(g,h,i)perylene	100,000	ug/kg	100 J	410 U	420 U	350 J	410 U	440 U	750 [240 J]	140,000 J	400 U	440 U	120 J	710 J	93 J
Benzo(k)fluoranthene	800	ug/kg	160 J	410 U	420 U	320 J	410 U	440 U	640 [290 J]	530,000 U	400 U	440 U	99 J	570 J	120 J
Benzyl alcohol	--	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	--	ug/kg	380 U	410 U	420 U	390 U	410 U	440 U	390 U [370 U]	530,000 U	400 U	440 U	390 U	1,600 U	370 U
bis(2-Chloroethyl)ether	--	ug/kg	380 U	410 U	420 U	390 U	410 U	440 U	390 U [370 U]	530,000 U	400 U	440 U	390 U	1,600 U	370 U
bis(2-Ethylhexyl)phthalate	--	ug/kg	380 U	1,100 U	470 U	660 U	410 U	610 U	390 U [370 U]	530,000 U	400 U	1,100	390 U	1,600 U	370 U
Butylbenzylphthalate	--	ug/kg	380 U	410 U	420 U	390 U	410 U	440 U	390 U [370 U]	530,000 U	400 U	440 U	390 U	1,600 U	370 U
Caprolatam	--	ug/kg	380 U	410 U	420 U	390 U	410 U	440 U	390 U [370 U]	530,000 U	400 U	440 U	390 U	1,600 U	370 U
Carbazole	--	ug/kg	380 U	410 U	420 U	60 J	410 U	440 U	120 J [370 U]	530,000 U	400 U	440 U	390 U	280 J	72 J
Chrysene	1,000	ug/kg	260 J	410 U	420 U	400	410 U	440 U	1,300 [600]	350,000 J	89 J	440 U	180 J	2,600	510

See Notes on Page 16.

Table 18b. Summary of SVOCs Detected in Subsurface Soil - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SB-105 11 - 12 07/29/06	SB-105 16.5 - 17 07/29/06	SB-105 39 - 40 07/29/06	SB-106 8 - 9 07/30/06	SB-106 20 - 21 07/30/06	SB-106 32 - 33 07/30/06	SB-107B 9 - 11 06/20/06	SB-107B 29 - 31 06/20/06	SB-107B 39 - 41 06/20/06	SB-107B 53 - 54 06/20/06	SB-108 9 - 11 06/19/06	SB-108 34 - 35 06/20/06	SB-108 43 - 45 06/21/06
Semi-Volatile Organic Compounds															
Dibenz(a,h)anthracene	330	ug/kg	380 U	410 U	420 U	79 J	410 U	440 U	230 J [82 J]	530,000 U	400 U	440 U	390 U	230 J	370 U
Dibenzofuran	7,000	ug/kg	380 U	410 U	420 U	390 U	410 U	440 U	140 J [370 U]	100,000 J	400 U	440 U	390 U	680 J	170 J
Diethylphthalate	- -	ug/kg	380 U	410 U	420 U	390 U	410 U	440 U	390 U [370 U]	530,000 U	400 U	440 U	390 U	1,600 U	370 U
Dimethylphthalate	- -	ug/kg	380 U	410 U	420 U	390 U	410 U	440 U	390 U [370 U]	530,000 U	400 U	440 U	390 U	1,600 U	370 U
Di-n-butylphthalate	- -	ug/kg	380 U	410 U	420 U	390 U	410 U	440 U	390 U [370 U]	530,000 U	400 U	440 U	390 U	1,600 U	370 U
Di-n-octyl phthalate	- -	ug/kg	380 U	410 U	420 U	390 U	410 U	440 U	390 U [370 U]	530,000 U	400 U	440 U	390 U	1,600 UJ	370 U
Fluoranthene	100,000	ug/kg	370 J	410 U	420 U	670	410 U	440 U	2,800 [1,500]	570,000	160 J	440 U	330 J	4,600	980
Fluorene	30,000	ug/kg	280 J	410 U	420 U	390 U	410 U	440 U	510 [87 J]	730,000	110 J	440 U	390 U	4,500	1,000
Hexachlorobenzene	330	ug/kg	380 U	410 U	420 U	390 U	410 U	440 U	390 U [370 U]	530,000 U	400 U	440 U	390 U	1,600 U	370 U
Hexachlorobutadiene	- -	ug/kg	380 U	410 U	420 U	390 U	410 U	440 U	390 U [370 U]	530,000 U	400 U	440 U	390 U	1,600 U	370 U
Hexachlorocyclopentadiene	- -	ug/kg	380 U	410 U	420 U	390 U	410 U	440 U	390 UJ [370 UJ]	530,000 UJ	400 UJ	440 UJ	390 UJ	1,600 UJ	370 UJ
Hexachloroethane	- -	ug/kg	380 U	410 U	420 U	390 U	410 U	440 U	390 U [370 U]	530,000 U	400 U	440 U	390 U	1,600 U	370 U
Indeno(1,2,3-cd)pyrene	500	ug/kg	96 J	410 U	420 U	380 J	410 U	440 U	760 [270 J]	120,000 J	400 U	440 U	130 J	600 J	84 J
Isophorone	- -	ug/kg	380 U	410 U	420 U	390 U	410 U	440 U	130 J [370 U]	530,000 U	400 U	440 U	390 U	1,600 U	370 U
Naphthalene	12,000	ug/kg	870	410 U	420 U	94 J	410 U	110 J	450 [370 U]	4,800,000	270 J	440 U	390 U	13,000	1,000
Nitrobenzene	- -	ug/kg	380 U	410 U	420 U	390 U	410 U	440 U	390 U [370 U]	530,000 U	400 U	440 U	390 U	1,600 U	370 U
N-Nitroso-di-n-propylamine	- -	ug/kg	380 U	410 U	420 U	390 U	410 U	440 U	390 U [370 U]	530,000 U	400 U	440 U	390 U	1,600 U	370 U
N-Nitrosodiphenylamine	- -	ug/kg	380 U	410 U	420 U	390 U	410 U	440 U	390 U [370 U]	530,000 U	400 U	440 U	390 U	1,600 U	370 U
p-Cresol	330	ug/kg	380 U	410 U	420 U	390 U	410 U	440 U	390 U [370 U]	530,000 U	400 U	440 U	390 U	1,600 U	370 U
Pentachlorophenol	800	ug/kg	1,800 U	2,000 U	2,100 U	1,900 U	2,000 U	2,100 U	1,900 U [1,800 U]	2,600,000 U	2,000 U	2,100 U	1,900 U	7,800 U	1,800 U
Phenanthrene	100,000	ug/kg	580	410 U	420 U	580	410 U	440 U	1,600 J [250 J]	2,200,000	460	440 U	180 J	16,000	3,000
Phenol	330	ug/kg	380 U	410 U	420 U	390 U	410 U	440 U	390 U [370 U]	530,000 U	400 U	440 U	390 U	1,600 U	370 U
Pyrene	100,000	ug/kg	750	410 U	420 U	770	410 U	440 U	1,300 [660]	1,000,000	220 J	440 U	190 J	6,800	1,300
Total SVOCs	- -	ug/kg	5,350 J	ND	ND	5,240 J	ND	110 J	17,300 J [6,360 J]	16,300,000 J	2,030 J	1,100	1,990 J	74,700 J	14,200 J

See Notes on Page 16.

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Table 18b. Summary of SVOCs Detected in Subsurface Soil - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SB-109 6.5 - 7 06/15/06	SB-109 31 - 33 06/15/06	SB-109 41 - 43 06/16/06	SB-110 7 - 8 06/21/06	SB-110 17 - 19 06/21/06	SB-110 26 - 26.5 06/22/06	SB-110 49 - 51 06/22/06	SB-111B 6 - 9 06/21/06	SB-111B 29 - 31 06/22/06	SB-111B 45 - 45.5 06/22/06	SB-111B 53 - 54 06/22/06	SB-112 5 - 7 06/23/06
Semi-Volatile Organic Compounds														
1,1-Biphenyl	--	ug/kg	400 U [420 U]	59,000 J	61 J	57 J	440 U	410 U	410 U	300 J	540,000 J [730,000 J]	400 U	410 U	410 J
1,2,4-Trichlorobenzene	--	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	1,100	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	2,400	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	1,800	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-oxybis(1-Chloropropane)	--	ug/kg	400 U [420 U]	87,000 U	370 U	400 U	440 U	410 U	410 U	2,200 U	940,000 U [1,200,000 U]	400 U	410 U	530 U
2,4,5-Trichlorophenol	--	ug/kg	1,900 U [2,000 U]	420,000 U	1,800 U	1,900 U	2,100 UJ	2,000 U	2,000 U	10,000 U	4,500,000 U [5,700,000 U]	2,000 U	2,000 U	2,600 U
2,4,6-Trichlorophenol	--	ug/kg	400 U [420 U]	87,000 U	370 U	400 U	440 U	410 U	410 U	2,200 U	940,000 U [1,200,000 U]	400 U	410 U	530 U
2,4-Dichlorophenol	--	ug/kg	400 U [420 U]	87,000 U	370 U	400 U	440 U	410 U	410 U	2,200 U	940,000 U [1,200,000 U]	400 U	410 U	530 U
2,4-Dimethylphenol	--	ug/kg	400 U [420 U]	87,000 U	370 U	400 U	440 U	410 U	410 U	2,200 U	940,000 U [1,200,000 U]	400 U	410 U	530 U
2,4-Dinitrophenol	--	ug/kg	1,900 U [2,000 U]	420,000 U	1,800 U	1,900 U	2,100 UJ	2,000 U	2,000 U	10,000 U	4,500,000 UJ [5,700,000 UJ]	2,000 U	2,000 U	2,600 U
2,4-Dinitrotoluene	--	ug/kg	400 U [420 U]	87,000 U	370 U	400 U	440 U	410 U	410 U	2,200 U	940,000 U [1,200,000 U]	400 U	410 U	530 U
2,6-Dinitrotoluene	--	ug/kg	400 U [420 U]	87,000 U	370 U	400 U	440 U	410 U	410 U	2,200 U	940,000 U [1,200,000 U]	400 U	410 U	530 U
2-Chloronaphthalene	--	ug/kg	400 U [420 U]	87,000 U	370 U	400 U	440 U	410 U	410 U	2,200 U	940,000 U [1,200,000 U]	400 U	410 U	530 U
2-Chlorophenol	--	ug/kg	400 U [420 U]	87,000 U	370 U	400 U	440 U	410 U	410 U	2,200 U	940,000 U [1,200,000 U]	400 U	410 U	530 U
2-Methylnaphthalene	--	ug/kg	400 U [420 U]	660,000	630	84 J	440 U	72 J	410 U	1,100 J	4,200,000 [5,700,000]	400 U	410 U	3,100
2-Methylphenol	330	ug/kg	400 U [420 U]	87,000 U	370 U	400 U	440 U	410 U	410 U	2,200 U	940,000 U [1,200,000 U]	400 U	410 U	530 U
2-Nitroaniline	--	ug/kg	1,900 U [2,000 U]	420,000 U	1,800 U	1,900 U	2,100 U	2,000 U	2,000 U	10,000 U	4,500,000 U [5,700,000 U]	2,000 U	2,000 U	2,600 U
2-Nitrophenol	--	ug/kg	400 U [420 U]	87,000 U	370 U	400 U	440 U	410 U	410 U	2,200 U	940,000 U [1,200,000 U]	400 U	410 U	530 U
3,3-Dichlorobenzidine	--	ug/kg	800 U [840 U]	170,000 U	740 U	790 U	880 U	810 U	820 U	4,300 U	1,900,000 U [2,400,000 U]	810 U	820 U	1,100 U
3-Nitroaniline	--	ug/kg	1,900 U [2,000 U]	420,000 U	1,800 U	1,900 U	2,100 U	2,000 U	2,000 U	10,000 U	4,500,000 U [5,700,000 U]	2,000 U	2,000 U	2,600 U
4,6-Dinitro-2-methylphenol	--	ug/kg	1,900 U [2,000 U]	420,000 U	1,800 U	1,900 U	2,100 UJ	2,000 U	2,000 U	10,000 U	4,500,000 UJ [5,700,000 UJ]	2,000 U	2,000 U	2,600 U
4-Bromophenyl-phenylether	--	ug/kg	400 U [420 U]	87,000 U	370 U	400 U	440 U	410 U	410 U	2,200 U	940,000 U [1,200,000 U]	400 U	410 U	530 U
4-Chloro-3-methylphenol	--	ug/kg	400 U [420 U]	87,000 U	370 U	400 U	440 U	410 U	410 U	2,200 U	940,000 U [1,200,000 U]	400 U	410 U	530 U
4-Chloroaniline	--	ug/kg	400 U [420 U]	87,000 U	370 U	400 U	440 U	410 U	410 U	2,200 U	940,000 U [1,200,000 U]	400 U	410 U	530 U
4-Chlorophenyl-phenylether	--	ug/kg	400 U [420 U]	87,000 U	370 U	400 U	440 U	410 U	410 U	2,200 U	940,000 U [1,200,000 U]	400 U	410 U	530 U
4-Nitroaniline	--	ug/kg	800 U [840 U]	170,000 U	740 U	790 U	880 U	810 U	820 U	4,300 U	1,900,000 U [2,400,000 U]	810 U	820 U	1,100 U
4-Nitrophenol	--	ug/kg	1,900 U [2,000 U]	420,000 U	1,800 U	1,900 U	2,100 UJ	2,000 U	2,000 U	10,000 U	4,500,000 U [5,700,000 U]	2,000 U	2,000 U	2,600 U
Acenaphthene	20,000	ug/kg	400 U [420 U]	300,000	320 J	400 U	440 U	100 J	410 U	830 J	1,200,000 [1,400,000]	400 U	410 U	770
Acenaphthylene	100,000	ug/kg	400 U [420 U]	41,000 J	370 U	400 U	440 U	410 U	410 U	8,700	1,400,000 [2,200,000]	400 U	410 U	1,400
Acetophenone	--	ug/kg	400 U [420 U]	87,000 U	370 U	400 U	440 U	410 U	410 U	2,200 U	940,000 U [1,200,000 U]	400 U	410 U	530 U
Anthracene	100,000	ug/kg	400 U [420 U]	140,000	120 J	85 J	440 U	410 U	410 U	4,400	1,500,000 [1,700,000]	400 U	410 U	1,600
Atrazine	--	ug/kg	400 U [420 U]	87,000 U	370 U	400 U	440 U	410 U	410 U	2,200 U	940,000 U [1,200,000 U]	400 U	410 U	530 U
Benzaldehyde	--	ug/kg	400 UJ [420 UJ]	87,000 UJ	370 UJ	130 J	440 UJ	410 UJ	410 UJ	2,200 UJ	940,000 UJ [1,200,000 UJ]	400 UJ	410 UJ	530 UJ
Benzo(a)anthracene	1,000	ug/kg	77 J [67 J]	84,000 J	62 J	210 J	440 U	410 U	410 U	20,000	910,000 J [1,100,000 J]	400 U	410 U	2,800
Benzo(a)pyrene	1,000	ug/kg	110 J [98 J]	59,000 J	370 U	170 J	440 U	410 U	410 U	17,000	660,000 J [740,000 J]	400 U	410 U	3,300
Benzo(b)fluoranthene	1,000	ug/kg	140 J [420 U]	44,000 J	370 U	260 J	440 U	410 U	410 U	15,000	620,000 J [670,000 J]	400 U	410 U	3,100
Benzo(g,h,i)perylene	100,000	ug/kg	100 J [90 J]	23,000 J	370 U	73 J	440 U	410 U	410 U	12,000	300,000 J [320,000 J]	400 U	410 U	2,900
Benzo(k)fluoranthene	800	ug/kg	400 U [420 U]	18,000 J	370 U	77 J	440 U	410 U	410 U	5,500	270,000 J [290,000 J]	400 U	410 U	1,100
Benzyl alcohol	--	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	--	ug/kg	400 U [420 U]	87,000 U	370 U	400 U	440 U	410 U	410 U	2,200 U	940,000 U [1,200,000 U]	400 U	410 U	530 U
bis(2-Chloroethyl)ether	--	ug/kg	400 U [420 U]	87,000 U	370 U	400 U	440 U	410 U	410 U	2,200 U	940,000 U [1,200,000 U]	400 U	410 U	530 U
bis(2-Ethylhexyl)phthalate	--	ug/kg	700 [1,200]	87,000 U	370 U	410 U	440 U	410 U	410 U	2,200 U	940,000 U [1,200,000 U]	400 U	620	500 J
Butylbenzylphthalate	--	ug/kg	400 U [420 U]	87,000 U	370 U	400 U	440 U	410 U	410 U	2,200 U	940,000 U [1,200,000 U]	400 U	410 U	530 U
Caprolactam	--	ug/kg	400 U [420 U]	87,000 U	370 U	400 U	440 U	410 U	410 U	2,200 U	940,000 U [1,200,000 U]	400 U	410 U	530 U
Carbazole	--	ug/kg	400 U [420 U]	87,000 U	370 U	400 U	440 U	410 U	410 U	2,200 U	350,000 J [410,000 J]	400 U	410 U	580
Chrysene	1,000	ug/kg	84 J [68 J]	80,000 J	55 J	220 J	440 U	410 U	410 U	18,000	890,000 J [1,000,000 J]	400 U	410 U	2,800

See Notes on Page 16.

Table 18b. Summary of SVOCs Detected in Subsurface Soil - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SB-109 6.5 - 7 06/15/06	SB-109 31 - 33 06/15/06	SB-109 41 - 43 06/16/06	SB-110 7 - 8 06/21/06	SB-110 17 - 19 06/21/06	SB-110 26 - 26.5 06/22/06	SB-110 49 - 51 06/22/06	SB-111B 6 - 9 06/21/06	SB-111B 29 - 31 06/22/06	SB-111B 45 - 45.5 06/22/06	SB-111B 53 - 54 06/22/06	SB-112 5 - 7 06/23/06
Semi-Volatile Organic Compounds														
Dibenz(a,h)anthracene	330	ug/kg	400 U [420 U]	87,000 U	370 U	400 U	440 U	410 U	410 U	4,000	940,000 U [1,200,000 U]	400 U	410 U	760
Dibenzofuran	7,000	ug/kg	400 U [420 U]	24,000 J	370 U	86 J	440 U	410 U	410 U	2,200 U	590,000 J [640,000 J]	400 U	410 U	380 J
Diethylphthalate	--	ug/kg	400 U [420 U]	87,000 U	370 U	400 U	440 U	410 U	410 U	2,200 U	940,000 U [1,200,000 U]	400 U	410 U	530 U
Dimethylphthalate	--	ug/kg	400 U [420 U]	87,000 U	370 U	400 U	440 U	410 U	410 U	2,200 U	940,000 U [1,200,000 U]	400 U	410 U	530 U
Di-n-butylphthalate	--	ug/kg	400 U [420 U]	87,000 U	370 U	400 U	440 U	410 U	410 U	2,200 U	940,000 U [1,200,000 U]	400 U	410 U	530 U
Di-n-octyl phthalate	--	ug/kg	400 U [420 U]	87,000 U	370 U	400 U	440 U	410 U	410 U	2,200 U	940,000 UJ [1,200,000 UJ]	400 U	410 U	530 U
Fluoranthene	100,000	ug/kg	110 J [86 J]	140,000	110 J	610	440 U	67 J	410 U	20,000	1,900,000 [2,100,000]	400 U	410 U	4,600
Fluorene	30,000	ug/kg	400 U [420 U]	160,000	140 J	400 U	440 U	410 U	410 U	1,200 J	1,500,000 [2,000,000]	400 U	410 U	920
Hexachlorobenzene	330	ug/kg	400 U [420 U]	87,000 U	370 U	400 U	440 U	410 U	410 U	2,200 U	940,000 U [1,200,000 U]	400 U	410 U	530 U
Hexachlorobutadiene	--	ug/kg	400 U [420 U]	87,000 U	370 U	400 U	440 U	410 U	410 U	2,200 U	940,000 U [1,200,000 U]	400 U	410 U	530 U
Hexachlorocyclopentadiene	--	ug/kg	400 UJ [420 UJ]	87,000 UJ	370 UJ	400 UJ	440 UJ	410 UJ	410 UJ	2,200 UJ	940,000 UJ [1,200,000 UJ]	400 UJ	410 UJ	530 UJ
Hexachloroethane	--	ug/kg	400 U [420 U]	87,000 U	370 U	400 U	440 U	410 U	410 U	2,200 U	940,000 U [1,200,000 U]	400 U	410 U	530 U
Indeno(1,2,3-cd)pyrene	500	ug/kg	89 J [78 J]	21,000 J	370 U	75 J	440 U	410 U	410 U	11,000	280,000 J [300,000 J]	400 U	410 U	2,400
Isophorone	--	ug/kg	400 U [420 U]	87,000 U	370 U	400 U	440 U	410 U	410 U	2,200 U	940,000 U [1,200,000 U]	400 U	410 U	530 U
Naphthalene	12,000	ug/kg	400 U [420 U]	1,100,000	1,100	100 J	440 U	530	410 U	2,500	9,800,000 [13,000,000]	400 U	410 U	5,000
Nitrobenzene	--	ug/kg	400 U [420 U]	87,000 U	370 U	400 U	440 U	410 U	410 U	2,200 U	940,000 U [1,200,000 U]	400 U	410 U	530 U
N-Nitroso-di-n-propylamine	--	ug/kg	400 U [420 U]	87,000 U	370 U	400 U	440 U	410 U	410 U	2,200 U	940,000 U [1,200,000 U]	400 U	410 U	530 U
N-Nitrosodiphenylamine	--	ug/kg	400 U [420 U]	87,000 U	370 U	400 U	440 U	410 U	410 U	2,200 U	940,000 U [1,200,000 U]	400 U	410 U	530 U
p-Cresol	330	ug/kg	400 U [420 U]	87,000 U	370 U	400 U	440 U	410 U	410 U	2,200 U	940,000 U [1,200,000 U]	400 U	410 U	530 U
Pentachlorophenol	800	ug/kg	1,900 U [2,000 U]	420,000 U	1,800 U	1,900 U	2,100 UJ	2,000 U	2,000 U	10,000 U	4,500,000 U [5,700,000 U]	2,000 U	2,000 U	2,600 U
Phenanthrene	100,000	ug/kg	400 U [420 U]	470,000	370	430	440 U	120 J	410 U	4,100	4,600,000 [5,700,000]	400 U	410 U	5,200
Phenol	330	ug/kg	400 U [420 U]	87,000 U	370 U	400 U	440 U	410 U	410 U	2,200 U	940,000 U [1,200,000 U]	400 U	410 U	530 U
Pyrene	100,000	ug/kg	110 J [80 J]	190,000	160 J	250 J	440 U	78 J	410 U	32,000	2,000,000 [2,600,000]	400 U	410 U	4,100
Total SVOCs	--	ug/kg	1,520 J [1,770 J]	3,610,000 J	3,130 J	2,920 J	ND	967 J	ND	178,000 J	33,500,000 J [42,600,000 J]	ND	620	47,700 J

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Table 18b. Summary of SVOCs Detected in Subsurface Soil - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SB-112 17 - 18 06/23/06	SB-112 34 - 35 07/27/06	SB-112 54 - 55 07/27/06	SB-113 5 - 7 07/13/06	SB-113 8.5 - 9.5 07/13/06	SB-113 9 - 10 07/27/06	SB-113 14 - 15 07/27/06	SB-113 22 - 23 07/27/06	SB-113 34 - 35 07/27/06	SB-115 9 - 10 07/25/06	SB-115 19 - 20 07/25/06	SB-115 23 - 24 07/25/06	SB-115 33 - 34 07/25/06
Semi-Volatile Organic Compounds															
1,1-Biphenyl	--	ug/kg	66,000	390 UJ	410 UJ	340 U	340 U	360 U	340 U	420 U	420 U	420 U	70 J	200 J	440 U [440 U]
1,2,4-Trichlorobenzene	--	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	1,100	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	2,400	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	1,800	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-oxybis(1-Chloropropane)	--	ug/kg	55,000 U	390 U	410 U	340 U	340 U	360 U	340 U	420 U	420 U	420 U	380 U	420 U	440 U [440 U]
2,4,5-Trichlorophenol	--	ug/kg	270,000 U	1,900 UJ	2,000 UJ	1,700 U	1,600 U	1,700 UJ	1,600 UJ	2,000 UJ	2,000 UJ	2,000 U	1,800 U	2,100 U	2,100 U [2,100 U]
2,4,6-Trichlorophenol	--	ug/kg	55,000 U	390 U	410 U	340 U	340 U	360 U	340 U	420 U	420 U	420 U	380 U	420 U	440 U [440 U]
2,4-Dichlorophenol	--	ug/kg	55,000 U	390 U	410 U	340 U	340 U	360 U	340 U	420 U	420 U	420 U	380 U	420 U	440 U [440 U]
2,4-Dimethylphenol	--	ug/kg	55,000 U	390 U	410 U	340 U	340 U	360 U	340 U	420 U	420 U	420 U	380 U	420 U	440 U [440 U]
2,4-Dinitrophenol	--	ug/kg	270,000 U	1,900 UJ	2,000 UJ	1,700 U	1,600 U	1,700 UJ	1,600 UJ	2,000 UJ	2,000 UJ	2,000 UJ	1,800 UJ	2,100 UJ	2,100 UJ [2,100 UJ]
2,4-Dinitrotoluene	--	ug/kg	55,000 U	390 U	410 U	340 U	340 U	360 U	340 U	420 U	420 U	420 U	380 U	420 U	440 U [440 U]
2,6-Dinitrotoluene	--	ug/kg	55,000 U	390 UJ	410 UJ	340 U	340 U	360 UJ	340 UJ	420 UJ	420 UJ	420 U	380 U	420 U	440 U [440 U]
2-Chloronaphthalene	--	ug/kg	55,000 U	390 UJ	410 UJ	340 U	340 U	360 U	340 U	420 U	420 U	420 U	380 U	420 U	440 U [440 U]
2-Chlorophenol	--	ug/kg	55,000 U	390 U	410 U	340 U	340 U	360 U	340 U	420 U	420 U	420 U	380 U	420 U	440 U [440 U]
2-Methylnaphthalene	--	ug/kg	150,000	390 U	410 U	340 U	70 J	360 U	93 J	420 U	420 U	420 U	460	1,200	440 U [440 U]
2-Methylphenol	330	ug/kg	55,000 U	390 U	410 U	340 U	340 U	360 U	340 U	420 U	420 U	420 U	380 U	420 U	440 U [440 U]
2-Nitroaniline	--	ug/kg	270,000 U	1,900 U	2,000 U	1,700 U	1,600 U	1,700 U	1,600 U	2,000 U	2,000 U	2,000 U	1,800 U	2,100 U	2,100 U [2,100 U]
2-Nitrophenol	--	ug/kg	55,000 U	390 U	410 U	340 U	340 U	360 U	340 U	420 U	420 U	420 U	380 U	420 U	440 U [440 U]
3,3-Dichlorobenzidine	--	ug/kg	110,000 U	780 U	820 U	680 U	680 U	720 U	670 U	840 U	840 U	840 U	750 U	850 U	880 U [890 U]
3-Nitroaniline	--	ug/kg	270,000 U	1,900 U	2,000 U	1,700 U	1,600 U	1,700 U	1,600 U	2,000 U	2,000 U	2,000 U	1,800 U	2,100 U	2,100 U [2,100 U]
4,6-Dinitro-2-methylphenol	--	ug/kg	270,000 UJ	1,900 UJ	2,000 UJ	1,700 U	1,600 U	1,700 UJ	1,600 UJ	2,000 UJ	2,000 UJ	2,000 UJ	1,800 UJ	2,100 UJ	2,100 UJ [2,100 UJ]
4-Bromophenyl-phenylether	--	ug/kg	55,000 U	390 U	410 U	340 U	340 U	360 U	340 U	420 U	420 U	420 U	380 U	420 U	440 U [440 U]
4-Chloro-3-methylphenol	--	ug/kg	55,000 U	390 U	410 U	340 U	340 U	360 U	340 U	420 U	420 U	420 U	380 U	420 U	440 U [440 U]
4-Chloroaniline	--	ug/kg	55,000 U	390 U	410 U	340 U	340 U	360 U	340 U	420 U	420 U	420 U	380 U	420 U	440 U [440 U]
4-Chlorophenyl-phenylether	--	ug/kg	55,000 U	390 U	410 U	340 U	340 U	360 U	340 U	420 U	420 U	420 U	380 U	420 U	440 U [440 U]
4-Nitroaniline	--	ug/kg	110,000 U	780 U	820 U	680 U	680 U	720 U	670 U	840 U	840 U	840 U	750 U	850 U	880 U [890 U]
4-Nitrophenol	--	ug/kg	270,000 U	1,900 U	2,000 U	1,700 U	1,600 U	1,700 U	1,600 U	2,000 U	2,000 U	2,000 U	1,800 U	2,100 U	2,100 U [2,100 U]
Acenaphthene	20,000	ug/kg	37,000 J	390 U	410 U	340 U	110 J	120 J	210 J	75 J	420 U	420 U	340 J	420 J	440 U [440 U]
Acenaphthylene	100,000	ug/kg	31,000 J	390 U	410 U	340 U	870	440	160 J	420 U	420 U	150 J	360 J	420 U	440 U [440 U]
Acetophenone	--	ug/kg	55,000 U	390 UJ	410 UJ	340 U	85 J	140 J	81 J	420 U	420 U	420 U	380 U	420 U	440 U [440 U]
Anthracene	100,000	ug/kg	37,000 J	390 UJ	410 UJ	340 U	200 J	140 J	210 J	420 U	420 U	79 J	570	420 U	440 U [440 U]
Atrazine	--	ug/kg	55,000 U	390 U	410 U	340 U	340 U	360 U	340 U	420 U	420 U	420 U	380 U	420 U	440 U [440 U]
Benzaldehyde	--	ug/kg	55,000 UJ	390 UJ	410 UJ	340 UJ	340 UJ	210 J	120 J	70 J	420 UJ	420 UJ	380 UJ	420 UJ	440 UJ [440 UJ]
Benzo(a)anthracene	1,000	ug/kg	26,000 J	390 U	410 U	340 U	170 J	220 J	280 J	420 U	420 U	260 J	820	420 U	440 U [440 U]
Benzo(a)pyrene	1,000	ug/kg	22,000 J	390 UJ	410 UJ	340 U	250 J	460 J	200 J	420 UJ	420 UJ	380 J	760	420 U	440 U [440 U]
Benzo(b)fluoranthene	1,000	ug/kg	21,000 J	390 U	410 U	340 U	160 J	330 J	140 J	420 U	420 U	360 J	370 J	420 U	440 U [440 U]
Benzo(g,h,i)perylene	100,000	ug/kg	24,000 J	390 U	410 U	340 U	820	470	160 J	420 U	420 U	370 J	360 J	420 U	440 U [440 U]
Benzo(k)fluoranthene	800	ug/kg	55,000 U	390 U	410 U	340 U	110 J	190 J	110 J	420 U	420 U	380 J	510	420 U	440 U [440 U]
Benzyl alcohol	--	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	--	ug/kg	55,000 U	390 U	410 U	340 U	340 U	360 U	340 U	420 U	420 U	420 U	380 U	420 U	440 U [440 U]
bis(2-Chloroethyl)ether	--	ug/kg	55,000 U	390 U	410 U	340 U	340 U	360 U	340 U	420 U	420 U	420 U	380 U	420 U	440 U [440 U]
bis(2-Ethylhexyl)phthalate	--	ug/kg	55,000 U	390 UJ	410 UJ	390 UJ	340 UJ	370 UJ	340 UJ	910 UJ	420 UJ	490 U	380 U	420 U	440 U [440 U]
Butylbenzylphthalate	--	ug/kg	55,000 U	390 U	410 U	340 U	340 U	360 U	340 U	420 U	420 U	420 U	380 U	420 U	440 U [440 U]
Caprolatam	--	ug/kg	55,000 U	390 U	410 U	340 U	340 U	360 U	340 U	420 U	420 U	420 U	380 U	420 U	440 U [440 U]
Carbazole	--	ug/kg	55,000 U	390 U	410 U	340 U	57 J	360 U	340 U	420 U	420 U	420 U	380 U	420 U	440 U [440 U]
Chrysene	1,000	ug/kg	24,000 J	390 U	410 U	340 U	160 J	220 J	250 J	420 U	420 U	340 J	840	420 U	440 U [440 U]

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Table 18b. Summary of SVOCs Detected in Subsurface Soil - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SB-112 17 - 18 06/23/06	SB-112 34 - 35 07/27/06	SB-112 54 - 55 07/27/06	SB-113 5 - 7 07/13/06	SB-113 8.5 - 9.5 07/13/06	SB-113 9 - 10 07/27/06	SB-113 14 - 15 07/27/06	SB-113 22 - 23 07/27/06	SB-113 34 - 35 07/27/06	SB-115 9 - 10 07/25/06	SB-115 19 - 20 07/25/06	SB-115 23 - 24 07/25/06	SB-115 33 - 34 07/25/06
Semi-Volatile Organic Compounds															
Dibenz(a,h)anthracene	330	ug/kg	55,000 U	390 UJ	410 UJ	340 U	120 J	81 J	340 UJ	420 UJ	420 UJ	81 J	99 J	420 U	440 U [440 U]
Dibenzofuran	7,000	ug/kg	55,000 U	390 U	410 U	340 U	340 U	360 U	340 U	420 U	420 U	420 U	380 U	420 U	440 U [440 U]
Diethylphthalate	--	ug/kg	55,000 U	390 U	410 U	340 U	340 U	360 U	340 U	420 U	420 U	420 U	380 U	420 U	440 U [440 U]
Dimethylphthalate	--	ug/kg	55,000 U	390 U	410 U	340 U	340 U	360 U	340 U	420 U	420 U	420 U	380 U	420 U	440 U [440 U]
Di-n-butylphthalate	--	ug/kg	55,000 U	390 U	410 U	340 U	340 U	360 U	340 U	420 U	420 U	420 U	380 U	420 U	440 U [440 U]
Di-n-octyl phthalate	--	ug/kg	55,000 UJ	390 UJ	410 UJ	340 U	340 U	360 UJ	340 UJ	420 UJ	420 UJ	420 U	380 U	420 U	440 U [440 U]
Fluoranthene	100,000	ug/kg	49,000 J	390 U	410 U	340 U	180 J	210 J	390	420 U	420 U	400 J	1,100	420 U	440 U [440 U]
Fluorene	30,000	ug/kg	42,000 J	390 U	410 U	340 U	340 U	76 J	170 J	420 U	420 U	420 U	290 J	420 U	440 U [440 U]
Hexachlorobenzene	330	ug/kg	55,000 U	390 U	410 U	340 U	340 U	360 U	340 U	420 U	420 U	420 U	380 U	420 U	440 U [440 U]
Hexachlorobutadiene	--	ug/kg	55,000 U	390 U	410 U	340 U	340 U	360 U	340 U	420 U	420 U	420 U	380 U	420 U	440 U [440 U]
Hexachlorocyclopentadiene	--	ug/kg	55,000 UJ	390 U	410 U	340 UJ	340 UJ	360 U	340 U	420 U	420 U	420 U	380 U	420 U	440 U [440 U]
Hexachloroethane	--	ug/kg	55,000 U	390 U	410 U	340 U	340 U	360 U	340 U	420 U	420 U	420 U	380 U	420 U	440 U [440 U]
Indeno(1,2,3-cd)pyrene	500	ug/kg	17,000 J	390 UJ	410 UJ	340 U	750	410 J	140 J	420 UJ	420 UJ	380 J	350 J	420 U	440 U [440 U]
Isophorone	--	ug/kg	55,000 U	390 U	410 U	340 U	340 U	360 U	340 U	420 U	420 U	420 U	380 U	420 U	440 U [440 U]
Naphthalene	12,000	ug/kg	780,000	71 J	410 UJ	340 U	76 J	68 J	210 J	420 U	860	390 J	1,100	1,500	130 J [440 U]
Nitrobenzene	--	ug/kg	55,000 U	390 U	410 U	340 U	340 U	360 U	340 U	420 U	420 U	420 U	380 U	420 U	440 U [440 U]
N-Nitroso-di-n-propylamine	--	ug/kg	55,000 U	390 U	410 U	340 U	340 U	360 U	340 U	420 U	420 U	420 U	380 U	420 U	440 U [440 U]
N-Nitrosodiphenylamine	--	ug/kg	55,000 U	390 U	410 U	340 U	340 U	360 U	110 J	420 U	420 U	420 U	380 U	420 U	440 U [440 U]
p-Cresol	330	ug/kg	55,000 U	390 U	410 U	340 U	340 U	360 U	340 U	420 U	420 U	420 U	380 U	420 U	440 U [440 U]
Pentachlorophenol	800	ug/kg	270,000 U	1,900 U	2,000 U	1,700 U	1,600 U	1,700 U	1,600 U	2,000 U	2,000 U	2,000 UJ	1,800 UJ	2,100 UJ	2,100 UJ [2,100 UJ]
Phenanthrene	100,000	ug/kg	130,000	390 U	410 U	340 U	100 J	50 J	210 J	420 U	420 U	300 J	1,700	420 U	440 U [440 U]
Phenol	330	ug/kg	55,000 U	390 U	410 U	340 U	340 U	360 U	340 U	420 U	420 U	420 U	380 U	420 U	440 U [440 U]
Pyrene	100,000	ug/kg	75,000	390 U	410 U	340 U	380	640	740	420 U	420 U	470	2,000	420 U	440 U [440 U]
Total SVOCs	--	ug/kg	1,530,000 J	71 J	ND	ND	4,670 J	4,480 J	3,980 J	145 J	860	4,340 J	12,100 J	3,320 J	130 J [ND]

See Notes on Page 16.

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Table 18b. Summary of SVOCs Detected in Subsurface Soil - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SB-116 5 - 7 06/13/06	SB-116 14 - 16 06/23/06	SB-116 20 - 20.5 06/23/06	SB-116 38 - 39 06/23/06	SB-117 6 - 8 07/06/06	SB-117 16 - 18 07/06/06	SB-117 25.5 - 26 07/06/06	SB-117 34 - 36 07/06/06	SB-118 9 - 11 06/26/06	SB-118 19 - 21 06/26/06	SB-118 23 - 23.5 06/26/06	SB-118 43 - 45 06/26/06
Semi-Volatile Organic Compounds														
1,1-Biphenyl	--	ug/kg	230 J [220 J]	17,000 J	600 U	400 U	7,800 U	99,000 J	380 U	380 U [410 U]	1,300	23,000	240 J	400 U
1,2,4-Trichlorobenzene	--	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	1,100	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	2,400	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	1,800	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-oxybis(1-Chloropropane)	--	ug/kg	370 U [360 U]	81,000 U	600 U	400 U	7,800 U	100,000 U	380 U	380 U [410 U]	890 U	20,000 U	1,800 U	400 U
2,4,5-Trichlorophenol	--	ug/kg	1,800 UJ [1,800 U]	390,000 U	2,900 U	1,900 U	38,000 U	500,000 U	1,800 U	1,900 U [2,000 U]	4,300 U	98,000 U	8,700 U	2,000 U
2,4,6-Trichlorophenol	--	ug/kg	370 U [360 U]	81,000 U	600 U	400 U	7,800 U	100,000 U	380 U	380 U [410 U]	890 U	20,000 U	1,800 U	400 U
2,4-Dichlorophenol	--	ug/kg	370 U [360 U]	81,000 U	600 U	400 U	7,800 U	100,000 U	380 U	380 U [410 U]	890 U	20,000 U	1,800 U	400 U
2,4-Dimethylphenol	--	ug/kg	370 U [360 U]	81,000 U	600 U	400 U	7,800 U	100,000 U	380 U	380 U [410 U]	890 U	20,000 U	1,800 U	400 U
2,4-Dinitrophenol	--	ug/kg	1,800 U [1,800 U]	390,000 U	2,900 U	1,900 U	38,000 U	500,000 UJ	1,800 U	1,900 U [2,000 U]	4,300 U	98,000 U	8,700 U	2,000 U
2,4-Dinitrotoluene	--	ug/kg	370 U [360 U]	81,000 U	600 U	400 U	7,800 U	100,000 U	380 U	380 U [410 U]	890 U	20,000 U	1,800 U	400 U
2,6-Dinitrotoluene	--	ug/kg	370 U [360 U]	81,000 U	600 U	400 U	7,800 U	100,000 U	380 U	380 U [410 U]	890 U	20,000 U	1,800 U	400 U
2-Chloronaphthalene	--	ug/kg	370 U [360 U]	81,000 U	600 U	400 U	7,800 U	100,000 U	380 U	380 U [410 U]	890 U	20,000 U	1,800 U	400 U
2-Chlorophenol	--	ug/kg	370 U [360 U]	81,000 U	600 U	400 U	7,800 U	100,000 U	380 U	380 U [410 U]	890 U	20,000 U	1,800 U	400 U
2-Methylnaphthalene	--	ug/kg	1,600 [1,400]	210,000	480 J	400 U	7,800 U	880,000	130 J	380 U [410 U]	2,500	240,000	2,200	400 U
2-Methylphenol	330	ug/kg	370 U [360 U]	81,000 U	600 U	400 U	7,800 U	100,000 U	380 U	380 U [410 U]	890 U	20,000 U	1,800 U	400 U
2-Nitroaniline	--	ug/kg	1,800 U [1,800 U]	390,000 U	2,900 U	1,900 U	38,000 U	500,000 U	1,800 U	1,900 U [2,000 U]	4,300 U	98,000 U	8,700 U	2,000 U
2-Nitrophenol	--	ug/kg	370 U [360 U]	81,000 U	600 U	400 U	7,800 U	100,000 U	380 U	380 U [410 U]	890 U	20,000 U	1,800 U	400 U
3,3-Dichlorobenzidine	--	ug/kg	740 U [720 U]	160,000 U	1,200 U	800 U	16,000 U	210,000 U	750 U	770 U [820 U]	1,800 U	40,000 U	3,600 U	800 U
3-Nitroaniline	--	ug/kg	1,800 U [1,800 U]	390,000 U	2,900 U	1,900 U	38,000 U	500,000 U	1,800 U	1,900 U [2,000 U]	4,300 U	98,000 U	8,700 U	2,000 U
4,6-Dinitro-2-methylphenol	--	ug/kg	1,800 UJ [1,800 U]	390,000 U	2,900 UJ	1,900 U	38,000 U	500,000 U	1,800 U	1,900 U [2,000 U]	4,300 U	98,000 U	8,700 U	2,000 U
4-Bromophenyl-phenylether	--	ug/kg	370 U [360 U]	81,000 U	600 U	400 U	7,800 U	100,000 U	380 U	380 U [410 U]	890 U	20,000 U	1,800 U	400 U
4-Chloro-3-methylphenol	--	ug/kg	370 U [360 U]	81,000 U	600 U	400 U	7,800 U	100,000 U	380 U	380 U [410 U]	890 U	20,000 U	1,800 U	400 U
4-Chloroaniline	--	ug/kg	370 U [360 U]	81,000 U	600 U	400 U	7,800 U	100,000 U	380 U	380 U [410 U]	890 U	20,000 U	1,800 U	400 U
4-Chlorophenyl-phenylether	--	ug/kg	370 U [360 U]	81,000 U	600 U	400 U	7,800 U	100,000 U	380 U	380 U [410 U]	890 U	20,000 U	1,800 U	400 U
4-Nitroaniline	--	ug/kg	740 U [720 U]	160,000 U	1,200 U	800 U	16,000 U	210,000 U	750 U	770 U [820 U]	1,800 U	40,000 U	3,600 U	800 U
4-Nitrophenol	--	ug/kg	1,800 UJ [1,800 U]	390,000 U	2,900 U	1,900 U	38,000 U	500,000 U	1,800 U	1,900 U [2,000 U]	4,300 U	98,000 U	8,700 U	2,000 U
Acenaphthene	20,000	ug/kg	280 J [340 J]	23,000 J	390 J	400 U	11,000	440,000	230 J	380 U [410 U]	650 J	95,000	2,500	400 U
Acenaphthylene	100,000	ug/kg	2,700 [2,700]	17,000 J	600 U	400 U	17,000	49,000 J	270 J	88 J [55 J]	2,000	24,000	950 J	400 U
Acetophenone	--	ug/kg	330 J [360 U]	81,000 U	600 U	400 U	7,800 U	100,000 U	380 U	380 U [410 U]	890 U	20,000 U	1,800 U	400 U
Anthracene	100,000	ug/kg	830 [940]	20,000 J	600 U	400 U	13,000	170,000	290 J	380 U [410 U]	1,800	57,000	2,300	400 U
Atrazine	--	ug/kg	370 UJ [360 U]	81,000 U	600 U	400 UJ	7,800 U	100,000 U	380 U	380 U [410 U]	890 U	20,000 U	1,800 U	400 U
Benzaldehyde	--	ug/kg	290 J [360 UJ]	81,000 UJ	600 UJ	400 UJ	7,800 UJ	100,000 UJ	380 UJ	380 UJ [410 UJ]	890 UJ	20,000 UJ	1,800 UJ	400 UJ
Benzo(a)anthracene	1,000	ug/kg	1,000 [1,200]	15,000 J	600 U	400 U	26,000	160,000	90 J	380 U [410 U]	3,000	42,000	800 J	400 U
Benzo(a)pyrene	1,000	ug/kg	2,100 [2,300 J]	11,000 J	600 U	400 U	22,000	110,000	49 J	380 U [410 U]	3,700	26,000	320 J	400 U
Benzo(b)fluoranthene	1,000	ug/kg	1,000 [2,200 J]	81,000 U	600 U	400 U	11,000	46,000 J	380 U	380 U [410 U]	1,800	11,000 J	1,800 U	400 U
Benzo(g,h,i)perylene	100,000	ug/kg	3,000 [1,800 J]	81,000 U	600 U	400 U	15,000	41,000 J	380 U	380 U [410 U]	3,300	9,700 J	1,800 U	400 U
Benzo(k)fluoranthene	800	ug/kg	1,400 [700 J]	81,000 U	600 U	400 U	13,000	65,000 J	380 U	380 U [410 U]	2,100	15,000 J	230 J	400 U
Benzyl alcohol	--	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	--	ug/kg	370 U [360 U]	81,000 U	600 U	400 U	7,800 U	100,000 U	380 U	380 U [410 U]	890 U	20,000 U	1,800 U	400 U
bis(2-Chloroethyl)ether	--	ug/kg	370 U [360 U]	81,000 U	600 U	400 U	7,800 U	100,000 U	380 U	380 U [410 U]	890 U	20,000 U	1,800 U	400 U
bis(2-Ethylhexyl)phthalate	--	ug/kg	440 U [530 U]	81,000 U	600 U	400 U	7,800 U	100,000 U	240 J	110 J [150 J]	5,400 J	20,000 UJ	1,800 UJ	400 U
Butylbenzylphthalate	--	ug/kg	370 U [360 U]	81,000 U	600 U	400 U	7,800 U	100,000 U	380 U	380 U [410 U]	890 U	20,000 U	1,800 U	400 U
Caprolatam	--	ug/kg	370 U [360 U]	81,000 U	600 U	400 U	7,800 U	100,000 U	380 U	380 U [410 U]	890 U	20,000 U	1,800 U	400 U
Carbazole	--	ug/kg	370 U [360 U]	81,000 U	600 U	400 U	7,800 U	100,000 U	380 U	380 U [410 U]	890 U	20,000 U	1,800 U	400 U
Chrysene	1,000	ug/kg	1,500 [1,500]	13,000 J	600 U	400 U	26,000	150,000	110 J	380 U [410 U]	2,700	41,000	1,000 J	400 U

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Table 18b. Summary of SVOCs Detected in Subsurface Soil - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SB-116 5 - 7 06/13/06	SB-116 14 - 16 06/23/06	SB-116 20 - 20.5 06/23/06	SB-116 38 - 39 06/23/06	SB-117 6 - 8 07/06/06	SB-117 16 - 18 07/06/06	SB-117 25.5 - 26 07/06/06	SB-117 34 - 36 07/06/06	SB-118 9 - 11 06/26/06	SB-118 19 - 21 06/26/06	SB-118 23 - 23.5 06/26/06	SB-118 43 - 45 06/26/06
Semi-Volatile Organic Compounds														
Dibenz(a,h)anthracene	330	ug/kg	640 [420 J]	81,000 U	600 U	400 U	3,000 J	100,000 U	380 U	380 U [410 U]	490 J	2,600 J	1,800 U	400 U
Dibenzofuran	7,000	ug/kg	370 U [99 J]	81,000 U	600 U	400 U	7,800 U	23,000 J	380 U	380 U [410 U]	150 J	7,500 J	1,800 U	400 U
Diethylphthalate	- -	ug/kg	370 U [360 U]	81,000 U	600 U	400 U	7,800 U	100,000 U	380 U	380 U [410 U]	890 U	20,000 U	1,800 U	400 U
Dimethylphthalate	- -	ug/kg	370 U [360 U]	81,000 U	600 U	400 U	7,800 U	100,000 U	380 U	380 U [410 U]	890 U	20,000 U	1,800 U	400 U
Di-n-butylphthalate	- -	ug/kg	370 U [360 U]	81,000 U	600 U	400 U	7,800 U	100,000 U	380 U	380 U [410 U]	890 U	20,000 U	1,800 U	400 U
Di-n-octyl phthalate	- -	ug/kg	370 U [85 J]	81,000 U	600 UJ	400 U	7,800 U	100,000 U	380 U	380 U [410 U]	5,700	20,000 U	1,800 U	400 U
Fluoranthene	100,000	ug/kg	950 [1,100]	20,000 J	600 U	400 U	36,000	240,000	100 J	380 U [410 U]	2,900	65,000	2,100	400 U
Fluorene	30,000	ug/kg	390 [520]	26,000 J	120 J	400 U	7,500 J	260,000	100 J	380 U [410 U]	870 J	75,000	1,100 J	400 U
Hexachlorobenzene	330	ug/kg	370 U [360 U]	81,000 U	600 U	400 U	7,800 U	100,000 U	380 U	380 U [410 U]	890 U	20,000 U	1,800 U	400 U
Hexachlorobutadiene	- -	ug/kg	370 U [360 U]	81,000 U	600 U	400 U	7,800 U	100,000 U	380 U	380 U [410 U]	890 U	20,000 U	1,800 UJ	400 U
Hexachlorocyclopentadiene	- -	ug/kg	370 U [360 UJ]	81,000 UJ	600 UJ	400 UJ	7,800 UJ	100,000 UJ	380 UJ	380 UJ [410 UJ]	890 UJ	20,000 UJ	1,800 U	400 UJ
Hexachloroethane	- -	ug/kg	370 U [360 U]	81,000 U	600 U	400 U	7,800 U	100,000 U	380 U	380 U [410 U]	890 U	20,000 U	1,800 U	400 U
Indeno(1,2,3-cd)pyrene	500	ug/kg	2,400 [1,700 J]	81,000 U	600 U	400 U	12,000	40,000 J	380 U	380 U [410 U]	2,300	8,800 J	1,800 U	400 U
Isophorone	- -	ug/kg	370 U [360 U]	81,000 U	600 U	400 U	7,800 U	100,000 U	380 U	380 U [410 U]	890 U	20,000 U	1,800 U	400 U
Naphthalene	12,000	ug/kg	2,500 [2,000]	760,000	930 U	400 U	1,400 J	1,600,000	170 J	82 J [90 J]	4,100	270,000	1,100 J	400 U
Nitrobenzene	- -	ug/kg	370 U [360 U]	81,000 U	600 U	400 U	7,800 U	100,000 U	380 U	380 U [410 U]	890 U	20,000 U	1,800 U	400 U
N-Nitroso-di-n-propylamine	- -	ug/kg	370 U [360 U]	81,000 U	600 U	400 U	7,800 U	100,000 U	380 U	380 U [410 U]	890 U	20,000 U	1,800 U	400 U
N-Nitrosodiphenylamine	- -	ug/kg	370 U [360 U]	81,000 U	600 U	400 U	7,800 U	100,000 U	380 U	380 U [410 U]	890 U	20,000 U	790 J	400 U
p-Cresol	330	ug/kg	370 U [360 U]	81,000 U	600 U	400 U	7,800 U	100,000 U	380 U	380 U [410 U]	890 U	20,000 U	1,800 U	400 U
Pentachlorophenol	800	ug/kg	1,800 U [1,800 U]	390,000 U	2,900 U	1,900 U	38,000 U	500,000 U	1,800 U	1,900 U [2,000 U]	4,300 U	98,000 U	8,700 U	2,000 U
Phenanthrene	100,000	ug/kg	1,400 [1,200]	74,000 J	420 J	72 J	17,000	780,000	310 J	380 U [55 J]	4,100	240,000	18,000	400 U
Phenol	330	ug/kg	370 U [360 U]	81,000 U	600 U	140 J	7,800 U	100,000 U	380 U	380 U [410 U]	890 U	20,000 U	1,800 U	400 U
Pyrene	100,000	ug/kg	2,300 J [1,700]	41,000 J	600 U	400 U	65,000	400,000	170 J	380 U [410 U]	8,200	110,000	2,600	400 U
Total SVOCs	- -	ug/kg	26,800 J [24,100 J]	1,250,000 J	1,410 J	212 J	296,000 J	5,550,000 J	2,260 J	280 J [350 J]	59,100 J	1,360,000 J	36,200 J	ND

See Notes on Page 16.

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Table 18b. Summary of SVOCs Detected in Subsurface Soil - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SB-119 7 - 9 06/13/06	SB-119 11 - 13 06/13/06	SB-119 17 - 19 06/13/06	SB-119 37 - 39 06/14/06	SB-120 5 - 7 06/30/06	SB-120 11 - 13 06/30/06	SB-120 17 - 17.5 06/30/06	SB-120 33 - 35 06/30/06	SB-121 9 - 10 07/25/06	SB-121 11 - 12 07/25/06	SB-121 29 - 30 07/25/06	SB-121 39 - 40 07/25/06	SB-122 9 - 10 07/27/06	SB-122 13 - 14 07/27/06
Semi-Volatile Organic Compounds																
1,1-Biphenyl	--	ug/kg	13,000 J	610 J	140 J	420 U	450 U [440 U]	73 J	440 U	430 U	61 J	3,100 J	430 U	410 U	9,100 U	11,000 J
1,2,4-Trichlorobenzene	--	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	1,100	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	2,400	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	1,800	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-oxybis(1-Chloropropane)	--	ug/kg	46,000 U	4,100 U	390 U	420 U	450 U [440 U]	420 U	440 U	430 U	390 U	8,700 U	430 U	410 U	9,100 U	52,000 U
2,4,5-Trichlorophenol	--	ug/kg	220,000 U	20,000 U	1,900 UJ	2,100 UJ	2,200 U [2,200 U]	2,000 U	2,100 U	2,100 U	1,900 U	42,000 U	2,100 U	2,000 U	44,000 UJ	250,000 UJ
2,4,6-Trichlorophenol	--	ug/kg	46,000 U	4,100 U	390 U	420 U	450 U [440 U]	420 U	440 U	430 U	390 U	8,700 U	430 U	410 U	9,100 U	52,000 U
2,4-Dichlorophenol	--	ug/kg	46,000 U	4,100 U	390 U	420 U	450 U [440 U]	420 U	440 U	430 U	390 U	8,700 U	430 U	410 U	9,100 U	52,000 U
2,4-Dimethylphenol	--	ug/kg	46,000 U	4,100 U	390 U	420 U	450 U [440 U]	420 U	440 U	430 U	390 U	8,700 U	430 U	410 U	9,100 U	52,000 U
2,4-Dinitrophenol	--	ug/kg	220,000 U	20,000 U	1,900 U	2,100 U	2,200 U [2,200 U]	2,000 U	2,100 U	2,100 U	1,900 UJ	42,000 UJ	2,100 UJ	2,000 UJ	44,000 UJ	250,000 UJ
2,4-Dinitrotoluene	--	ug/kg	46,000 U	4,100 U	390 U	420 U	450 U [440 U]	420 U	440 U	430 U	390 U	8,700 U	430 U	410 U	9,100 U	52,000 U
2,6-Dinitrotoluene	--	ug/kg	46,000 U	4,100 U	390 U	420 U	450 U [440 U]	420 U	440 U	430 U	390 U	8,700 U	430 U	410 U	9,100 UJ	52,000 UJ
2-Chloronaphthalene	--	ug/kg	46,000 U	4,100 U	390 U	420 U	450 U [440 U]	420 U	440 U	430 U	390 U	8,700 U	430 U	410 U	9,100 U	52,000 U
2-Chlorophenol	--	ug/kg	46,000 U	4,100 U	390 U	420 U	450 U [440 U]	420 U	440 U	430 U	390 U	8,700 U	430 U	410 U	9,100 U	52,000 U
2-Methylnaphthalene	--	ug/kg	120,000	7,900	1,100	420 U	450 U [81 J]	150 J	440 U	430 U	260 J	11,000	430 U	410 U	2,300 J	72,000
2-Methylphenol	330	ug/kg	46,000 U	4,100 U	390 U	420 U	450 U [440 U]	420 U	440 U	430 U	390 U	8,700 U	430 U	410 U	9,100 U	52,000 U
2-Nitroaniline	--	ug/kg	220,000 U	20,000 U	1,900 U	2,100 U	2,200 U [2,200 U]	2,000 U	2,100 U	2,100 U	1,900 U	42,000 U	2,100 U	2,000 U	44,000 U	250,000 U
2-Nitrophenol	--	ug/kg	46,000 U	4,100 U	390 U	420 U	450 U [440 U]	420 U	440 U	430 U	390 U	8,700 U	430 U	410 U	9,100 U	52,000 U
3,3-Dichlorobenzidine	--	ug/kg	92,000 U	8,100 U	780 U	850 U	910 U [890 U]	840 U	880 U	860 U	780 U	17,000 U	870 U	820 U	18,000 U	100,000 U
3-Nitroaniline	--	ug/kg	220,000 U	20,000 U	1,900 U	2,100 U	2,200 U [2,200 U]	2,000 U	2,100 U	2,100 U	1,900 U	42,000 U	2,100 U	2,000 U	44,000 U	250,000 U
4,6-Dinitro-2-methylphenol	--	ug/kg	220,000 U	20,000 U	1,900 UJ	2,100 UJ	2,200 U [2,200 U]	2,000 U	2,100 U	2,100 U	1,900 UJ	42,000 UJ	2,100 UJ	2,000 UJ	44,000 UJ	250,000 UJ
4-Bromophenyl-phenylether	--	ug/kg	46,000 U	4,100 U	390 U	420 U	450 U [440 U]	420 U	440 U	430 U	390 U	8,700 U	430 U	410 U	9,100 U	52,000 U
4-Chloro-3-methylphenol	--	ug/kg	46,000 U	4,100 U	390 U	420 U	450 U [440 U]	420 U	440 U	430 U	390 U	8,700 U	430 U	410 U	9,100 U	52,000 U
4-Chloroaniline	--	ug/kg	46,000 U	4,100 U	390 U	420 U	450 U [440 U]	420 U	440 U	430 U	390 U	8,700 U	430 U	410 U	9,100 U	52,000 U
4-Chlorophenyl-phenylether	--	ug/kg	46,000 U	4,100 U	390 U	420 U	450 U [440 U]	420 U	440 U	430 U	390 U	8,700 U	430 U	410 U	9,100 U	52,000 U
4-Nitroaniline	--	ug/kg	92,000 U	8,100 U	780 U	850 U	910 U [890 U]	840 U	880 U	860 U	780 U	17,000 U	870 U	820 U	18,000 U	100,000 U
4-Nitrophenol	--	ug/kg	220,000 U	20,000 U	1,900 UJ	2,100 UJ	2,200 U [2,200 U]	2,000 U	2,100 U	2,100 U	1,900 U	42,000 UJ	2,100 U	2,000 U	44,000 U	250,000 U
Acenaphthene	20,000	ug/kg	39,000 J	2,600 J	410	420 U	450 U [440 U]	270 J	440 U	430 U	290 J	27,000	430 U	410 U	5,900 J	49,000 J
Acenaphthylene	100,000	ug/kg	13,000 J	590 J	130 J	420 U	85 J [150 J]	64 J	440 U	430 U	640	8,700 U	430 U	410 U	3,400 J	22,000 J
Acetophenone	--	ug/kg	46,000 U	4,100 U	390 U	420 U	450 U [440 U]	420 U	440 U	430 U	390 U	8,700 U	430 U	410 U	9,100 U	52,000 U
Anthracene	100,000	ug/kg	15,000 J	730 J	280 J	420 U	450 U [96 J]	100 J	440 U	430 U	990	37,000	430 U	410 U	15,000	110,000
Atrazine	--	ug/kg	46,000 U	4,100 U	390 UJ	420 UJ	450 U [440 U]	420 U	440 U	430 U	390 U	8,700 U	430 U	410 U	9,100 U	52,000 U
Benzaldehyde	--	ug/kg	46,000 U	4,100 U	200 J	420 UJ	450 UJ [79 J]	170 J	440 UJ	430 UJ	180 J	8,700 UJ	83 J	410 UJ	3,800 J	19,000 J
Benzo(a)anthracene	1,000	ug/kg	12,000 J	620 J	210 J	420 U	180 J [350 J]	130 J	440 U	430 U	2,800	45,000	430 U	410 U	13,000	98,000
Benzo(a)pyrene	1,000	ug/kg	11,000 J	4,100 U	160 J	420 U	210 J [390 J]	140 J	440 U	430 U	3,400	40,000	430 U	410 U	7,600 J	48,000 J
Benzo(b)fluoranthene	1,000	ug/kg	46,000 U	4,100 U	390 U	420 U	190 J [350 J]	420 U	440 U	430 U	2,300	31,000	430 U	410 U	5,800 J	32,000 J
Benzo(g,h,i)perylene	100,000	ug/kg	8,100 J	4,100 U	110 J	420 U	160 J [370 J]	120 J	440 U	430 U	3,300	27,000	430 U	410 U	4,300 J	32,000 J
Benzo(k)fluoranthene	800	ug/kg	46,000 U	4,100 U	71 J	420 U	180 J [300 J]	120 J	440 U	430 U	2,200	31,000	430 U	410 U	5,700 J	37,000 J
Benzyl alcohol	--	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	--	ug/kg	46,000 U	4,100 U	390 U	420 U	450 U [440 U]	420 U	440 U	430 U	390 U	8,700 U	430 U	410 U	9,100 U	52,000 U
bis(2-Chloroethyl)ether	--	ug/kg	46,000 U	4,100 U	390 U	420 U	450 UJ [440 U]	420 U	440 U	430 U	390 U	8,700 U	430 U	410 U	9,100 U	52,000 U
bis(2-Ethylhexyl)phthalate	--	ug/kg	46,000 U	4,100 U	390 U	420 U	220 J [240 J]	420 U	440 U	430 U	390 U	8,700 U	430 U	410 U	9,100 UJ	52,000 UJ
Butylbenzylphthalate	--	ug/kg	46,000 U	4,100 U	390 U	420 U	450 U [440 U]	420 U	440 U	430 U	390 U	8,700 U	430 U	410 U	9,100 U	52,000 U
Caprolatam	--	ug/kg	46,000 U	4,100 U	390 U	420 U	450 U [440 U]	420 U	440 U	430 U	390 U	8,700 U	430 U	410 U	9,100 U	52,000 U
Carbazole	--	ug/kg	46,000 U	4,100 U	390 U	420 U	450 U [440 U]	420 U	440 U	430 U	320 J	12,000	430 U	410 U	1,500 J	11,000 J
Chrysene	1,000	ug/kg	12,000 J	550 J	230 J	420 U	200 J [380 J]	160 J	440 U	430 U	2,900	42,000	430 U	410 U	14,000	100,000

See Notes on Page 16.

Table 18b. Summary of SVOCs Detected in Subsurface Soil - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SB-119 7 - 9 06/13/06	SB-119 11 - 13 06/13/06	SB-119 17 - 19 06/13/06	SB-119 37 - 39 06/14/06	SB-120 5 - 7 06/30/06	SB-120 11 - 13 06/30/06	SB-120 17 - 17.5 06/30/06	SB-120 33 - 35 06/30/06	SB-121 9 - 10 07/25/06	SB-121 11 - 12 07/25/06	SB-121 29 - 30 07/25/06	SB-121 39 - 40 07/25/06	SB-122 9 - 10 07/27/06	SB-122 13 - 14 07/27/06
Semi-Volatile Organic Compounds																
Dibenz(a,h)anthracene	330	ug/kg	46,000 U	4,100 U	390 U	420 U	450 U [73 J]	420 U	440 U	430 U	870	6,300 J	430 U	410 U	9,100 UJ	14,000 J
Dibenzofuran	7,000	ug/kg	46,000 U	4,100 U	390 U	420 U	450 U [440 U]	420 U	440 U	430 U	210 J	17,000	430 U	410 U	3,700 J	28,000 J
Diethylphthalate	--	ug/kg	46,000 U	4,100 U	390 U	420 U	450 U [440 U]	420 U	440 U	430 U	390 U	8,700 U	430 U	410 U	9,100 U	52,000 U
Dimethylphthalate	--	ug/kg	46,000 U	4,100 U	390 U	420 U	450 U [440 U]	420 U	440 U	430 U	390 U	8,700 U	430 U	410 U	9,100 U	52,000 U
Di-n-butylphthalate	--	ug/kg	46,000 U	4,100 U	390 U	420 U	450 U [440 U]	420 U	440 U	430 U	390 U	8,700 U	430 U	410 U	9,100 U	52,000 U
Di-n-octyl phthalate	--	ug/kg	46,000 U	4,100 U	390 U	420 U	450 U [440 U]	420 U	440 U	430 U	390 U	8,700 U	430 U	410 U	9,100 UJ	52,000 UJ
Fluoranthene	100,000	ug/kg	18,000 J	960 J	370 J	420 U	310 J [560]	220 J	440 U	430 U	4,300	110,000	430 U	410 U	27,000	180,000
Fluorene	30,000	ug/kg	18,000 J	850 J	280 J	420 U	450 U [440 U]	80 J	440 U	430 U	320 JM	21,000	430 U	410 U	6,800 J	51,000 J
Hexachlorobenzene	330	ug/kg	46,000 U	4,100 U	390 U	420 U	450 U [440 U]	420 U	440 U	430 U	390 U	8,700 U	430 U	410 U	9,100 U	52,000 U
Hexachlorobutadiene	--	ug/kg	46,000 U	4,100 U	390 U	420 U	450 U [440 U]	420 U	440 U	430 U	390 U	8,700 U	430 U	410 U	9,100 U	52,000 U
Hexachlorocyclopentadiene	--	ug/kg	46,000 UJ	4,100 UJ	390 U	420 U	450 UJ [440 UJ]	420 UJ	440 UJ	430 UJ	390 U	8,700 U	430 U	410 U	9,100 U	52,000 U
Hexachloroethane	--	ug/kg	46,000 U	4,100 U	390 U	420 U	450 U [440 U]	420 U	440 U	430 U	390 U	8,700 U	430 U	410 U	9,100 U	52,000 U
Indeno(1,2,3-cd)pyrene	500	ug/kg	7,100 J	4,100 U	78 J	420 U	170 J [350 J]	120 J	440 U	430 U	3,700	32,000	430 U	410 U	4,800 J	35,000 J
Isophorone	--	ug/kg	46,000 U	4,100 U	390 U	420 U	450 U [440 U]	420 U	440 U	430 U	390 U	8,700 U	430 U	410 U	9,100 U	52,000 U
Naphthalene	12,000	ug/kg	330,000	32,000	2,500	210 J	190 J [270 J]	960	140 J	430 U	440	20,000	430 U	410 U	9,100 U	43,000 J
Nitrobenzene	--	ug/kg	46,000 U	4,100 U	390 U	420 U	450 U [440 U]	420 U	440 U	430 U	390 U	8,700 U	430 U	410 U	9,100 U	52,000 U
N-Nitroso-di-n-propylamine	--	ug/kg	46,000 U	4,100 U	390 U	420 U	450 U [440 U]	420 U	440 U	430 U	390 U	8,700 U	430 U	410 U	9,100 U	52,000 U
N-Nitrosodiphenylamine	--	ug/kg	46,000 U	4,100 U	390 U	420 U	450 U [440 U]	420 U	440 U	430 U	390 U	8,700 U	430 U	410 U	9,100 U	52,000 U
p-Cresol	330	ug/kg	46,000 U	4,100 U	390 U	420 U	450 U [440 U]	420 U	440 U	430 U	390 U	8,700 U	430 U	410 U	9,100 U	52,000 U
Pentachlorophenol	800	ug/kg	220,000 U	20,000 U	1,900 U	2,100 U	2,200 U [2,200 U]	2,000 U	2,100 U	2,100 U	1,900 UJ	42,000 UJ	2,100 UJ	2,000 UJ	44,000 U	250,000 U
Phenanthrene	100,000	ug/kg	47,000	2,800 J	1,200	420 U	220 J [350 J]	420	54 J	430 U	3,200	140,000	430 U	410 U	89,000	700,000
Phenol	330	ug/kg	46,000 U	4,100 U	390 U	420 U	450 U [440 U]	420 U	440 U	430 U	390 U	8,700 U	430 U	410 U	9,100 U	52,000 U
Pyrene	100,000	ug/kg	24,000 J	1,300 J	610 J	420 UJ	380 J [700]	390 J	120 J	430 U	4,200	100,000	430 U	410 U	23,000	180,000
Total SVOCs	--	ug/kg	687,000 J	51,500 J	8,080 J	210 J	2,700 J [5,090 J]	3,690 J	314 J	ND	36,900 J	752,000 J	83 J	ND	237,000 J	1,870,000 J

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Table 18b. Summary of SVOCs Detected in Subsurface Soil - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SB-122 20 - 20.5 07/27/06	SB-122 39 - 40 07/27/06	SB-123 5 - 7 06/09/06	SB-123 13 - 15 06/09/06	SB-123 19.5 - 20 06/09/06	SB-123 37 - 39 06/12/06	SB-124 7 - 9 06/02/06	SB-124 15 - 17 06/02/06	SB-124 27 - 27.5 06/02/06	SB-124 37 - 39 06/06/06	SB-125 6 - 7 07/11/06	SB-125 17 - 18 07/11/06	SB-125 30 - 30.5 07/11/06
Semi-Volatile Organic Compounds															
1,1-Biphenyl	--	ug/kg	430 U [430 UJ]	380 U	100 J [63 J]	750 U	410 U	410 U	NA	NA	NA	400 U	420 U	400 U	400 U
1,2,4-Trichlorobenzene	--	ug/kg	NA	NA	NA	NA	NA	NA	460 U	480 U	380 U	NA	NA	NA	NA
1,2-Dichlorobenzene	1,100	ug/kg	NA	NA	NA	NA	NA	NA	460 U	480 U	380 U	NA	NA	NA	NA
1,3-Dichlorobenzene	2,400	ug/kg	NA	NA	NA	NA	NA	NA	460 U	480 U	380 U	NA	NA	NA	NA
1,4-Dichlorobenzene	1,800	ug/kg	NA	NA	NA	NA	NA	NA	460 U	480 U	380 U	NA	NA	NA	NA
2,2-oxybis(1-Chloropropane)	--	ug/kg	430 U [430 UJ]	380 U	790 U [490 UJ]	750 U	410 U	410 U	460 U	480 U	380 U	400 U	420 U	400 U	400 U
2,4,5-Trichlorophenol	--	ug/kg	2,100 UJ [2,100 UJ]	1,900 UJ	3,800 U [2,400 UJ]	3,700 UJ	2,000 U	2,000 UJ	2,200 U	2,300 U	1,800 U	1,900 U	2,000 U	1,900 U	2,000 U
2,4,6-Trichlorophenol	--	ug/kg	430 U [430 UJ]	380 U	790 U [490 UJ]	750 UJ	410 U	410 U	460 U	480 U	380 U	400 U	420 U	400 U	400 U
2,4-Dichlorophenol	--	ug/kg	430 U [430 UJ]	380 U	790 U [490 UJ]	750 U	410 U	410 U	460 U	480 U	380 U	400 U	420 U	400 U	400 U
2,4-Dimethylphenol	--	ug/kg	430 U [430 UJ]	380 U	790 U [490 UJ]	750 U	410 U	410 U	460 U	480 U	380 U	400 U	420 UJ	400 UJ	400 UJ
2,4-Dinitrophenol	--	ug/kg	2,100 UJ [2,100 UJ]	1,900 UJ	3,800 UJ [2,400 UJ]	3,700 UJ	2,000 UJ	2,000 U	2,200 U	2,300 U	1,800 U	1,900 UJ	2,000 U	1,900 U	2,000 U
2,4-Dinitrotoluene	--	ug/kg	430 U [430 UJ]	380 U	790 U [490 UJ]	750 U	410 U	410 U	460 U	480 U	380 U	400 U	420 U	400 U	400 U
2,6-Dinitrotoluene	--	ug/kg	430 UJ [430 UJ]	380 UJ	790 U [490 UJ]	750 UJ	410 U	410 U	460 U	480 U	380 U	400 U	420 U	400 U	400 U
2-Chloronaphthalene	--	ug/kg	430 U [430 UJ]	380 U	790 U [490 UJ]	750 UJ	410 U	410 U	460 U	480 U	380 U	400 U	420 U	400 U	400 U
2-Chlorophenol	--	ug/kg	430 U [430 UJ]	380 U	790 U [490 UJ]	750 U	410 U	410 U	460 U	480 U	380 U	400 U	420 U	400 U	400 U
2-Methylnaphthalene	--	ug/kg	430 U [430 UJ]	380 U	620 J [390 J]	750 U	410 U	410 U	350 J	460 J	190 J	400 U	420 U	400 U	400 U
2-Methylphenol	330	ug/kg	430 U [430 UJ]	380 U	790 U [490 UJ]	750 UJ	410 U	410 U	460 U	240 J	380 U	400 U	420 U	400 U	400 U
2-Nitroaniline	--	ug/kg	2,100 U [2,100 UJ]	1,900 U	3,800 U [2,400 UJ]	3,700 U	2,000 U	2,000 U	2,200 U	2,300 U	1,800 U	1,900 U	2,000 U	1,900 U	2,000 U
2-Nitrophenol	--	ug/kg	430 U [430 UJ]	380 U	790 U [490 UJ]	750 U	410 U	410 U	460 U	480 U	380 U	400 U	420 UJ	400 UJ	400 UJ
3,3-Dichlorobenzidine	--	ug/kg	850 U [860 UJ]	770 U	1,600 U [970 UJ]	1,500 U	830 U	820 U	910 U	960 U	760 U	790 U	840 U	800 U	810 U
3-Nitroaniline	--	ug/kg	2,100 U [2,100 UJ]	1,900 U	3,800 U [2,400 UJ]	3,700 U	2,000 U	2,000 U	2,200 U	2,300 U	1,800 U	1,900 U	2,000 U	1,900 U	2,000 U
4,6-Dinitro-2-methylphenol	--	ug/kg	2,100 UJ [2,100 UJ]	1,900 UJ	3,800 UJ [2,400 UJ]	3,700 U	2,000 UJ	2,000 UJ	2,200 U	2,300 U	1,800 U	1,900 UJ	2,000 U	1,900 U	2,000 U
4-Bromophenyl-phenylether	--	ug/kg	430 U [430 UJ]	380 U	790 U [490 UJ]	750 U	410 U	410 U	460 U	480 U	380 U	400 U	420 U	400 U	400 U
4-Chloro-3-methylphenol	--	ug/kg	430 U [430 UJ]	380 U	790 UJ [490 UJ]	750 U	410 U	410 U	460 U	480 U	380 U	400 U	420 UJ	400 UJ	400 UJ
4-Chloroaniline	--	ug/kg	430 U [430 UJ]	380 U	790 U [490 UJ]	750 U	410 U	410 U	460 U	480 U	380 U	400 U	420 U	400 U	400 U
4-Chlorophenyl-phenylether	--	ug/kg	430 U [430 UJ]	380 U	790 U [490 UJ]	750 U	410 U	410 U	460 U	480 U	380 U	400 U	420 U	400 U	400 U
4-Nitroaniline	--	ug/kg	850 U [860 UJ]	770 U	1,600 U [970 UJ]	1,500 U	830 U	820 U	910 U	960 U	760 U	790 U	840 UJ	800 UJ	810 UJ
4-Nitrophenol	--	ug/kg	2,100 U [2,100 UJ]	1,900 U	R [2,400 UJ]	3,700 UJ	2,000 U	2,000 UJ	2,200 U	2,300 U	1,800 U	1,900 U	2,000 UJ	1,900 UJ	2,000 UJ
Acenaphthene	20,000	ug/kg	430 U [430 UJ]	380 U	340 J [160 J]	150 J	410 U	410 U	190 J	340 J	120 J	400 U	420 U	400 U	400 U
Acenaphthylene	100,000	ug/kg	430 U [430 UJ]	380 U	380 J [160 J]	210 J	410 U	410 U	1,600	1,900	190 J	400 U	420 U	400 U	400 U
Acetophenone	--	ug/kg	430 U [430 UJ]	380 U	790 U [490 UJ]	750 U	410 U	410 U	NA	NA	NA	400 U	420 U	400 U	400 U
Anthracene	100,000	ug/kg	430 U [430 UJ]	380 U	850 [430 J]	1,000	410 U	410 U	1,000	1,300	160 J	400 U	420 U	400 U	400 U
Atrazine	--	ug/kg	430 U [430 UJ]	380 U	790 U [490 UJ]	750 U	410 U	410 UJ	NA	NA	NA	400 U	420 U	400 U	400 U
Benzaldehyde	--	ug/kg	430 UJ [430 UJ]	380 UJ	790 UJ [490 UJ]	750 UJ	410 UJ	410 UJ	NA	NA	NA	400 UJ	420 UJ	400 UJ	400 UJ
Benzo(a)anthracene	1,000	ug/kg	430 U [430 UJ]	380 U	2,800 [1,200]	2,500	410 U	410 U	2,500	2,700	240 J	400 U	67 J	400 U	400 U
Benzo(a)pyrene	1,000	ug/kg	430 UJ [430 UJ]	380 UJ	4,200 J [1,600 J]	2,100	410 U	410 U	3,400 J	3,400 J	280 J	400 U	420 U	400 U	400 U
Benzo(b)fluoranthene	1,000	ug/kg	430 U [430 UJ]	380 U	3,100 J [1,100 J]	1,500	410 U	410 U	3,000 J	3,900 J	260 J	400 U	420 U	400 U	400 U
Benzo(g,h,i)perylene	100,000	ug/kg	430 U [430 UJ]	380 U	2,700 J [1,800 J]	1,300	410 U	410 U	2,400 J	2,000 J	180 J	400 U	420 UJ	400 UJ	400 UJ
Benzo(k)fluoranthene	800	ug/kg	430 U [430 UJ]	380 U	3,000 J [1,200 J]	1,200	410 U	410 U	1,200 J	1,200 J	100 J	400 U	73 J	400 U	400 U
Benzyl alcohol	--	ug/kg	NA	NA	NA	NA	NA	NA	460 U	480 U	380 U	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	--	ug/kg	430 U [430 UJ]	380 U	790 U [490 UJ]	750 U	410 U	410 U	460 U	480 U	380 U	400 U	420 U	400 U	400 U
bis(2-Chloroethyl)ether	--	ug/kg	430 U [430 UJ]	380 U	790 U [490 UJ]	750 U	410 U	410 U	460 U	480 U	380 U	400 U	420 UJ	400 UJ	400 UJ
bis(2-Ethylhexyl)phthalate	--	ug/kg	430 UJ [430 UJ]	380 UJ	910 U [700 UJ]	750 U	1,000 U	410 U	460 U	700 U	790 U	400 U	420 U	400 U	400 U
Butylbenzylphthalate	--	ug/kg	430 U [430 UJ]	380 U	790 U [490 UJ]	750 UJ	410 U	410 U	460 U	480 U	380 U	400 U	420 U	400 U	400 U
Caprolactam	--	ug/kg	430 U [430 UJ]	380 U	790 U [490 UJ]	750 U	410 U	410 U	NA	NA	NA	400 U	420 U	400 U	400 U
Carbazole	--	ug/kg	430 U [430 UJ]	380 U	310 J [150 J]	750 U	410 U	410 U	120 J	170 J	380 U	400 U	420 U	400 U	400 U
Chrysene	1,000	ug/kg	430 U [430 UJ]	380 U	2,700 [1,100]	2,200	410 U	410 U	2,700	3,000	240 J	400 U	93 J	400 U	400 U

See Notes on Page 16.

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Table 18b. Summary of SVOCs Detected in Subsurface Soil - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SB-122 20 - 20.5 07/27/06	SB-122 39 - 40 07/27/06	SB-123 5 - 7 06/09/06	SB-123 13 - 15 06/09/06	SB-123 19.5 - 20 06/09/06	SB-123 37 - 39 06/12/06	SB-124 7 - 9 06/02/06	SB-124 15 - 17 06/02/06	SB-124 27 - 27.5 06/02/06	SB-124 37 - 39 06/06/06	SB-125 6 - 7 07/11/06	SB-125 17 - 18 07/11/06	SB-125 30 - 30.5 07/11/06
Semi-Volatile Organic Compounds															
Dibenz(a,h)anthracene	330	ug/kg	430 UJ [430 UJ]	380 UJ	1,000 J [590 J]	180 J	410 U	410 U	680 J	550 J	56 J	400 U	420 U	400 U	400 U
Dibenzofuran	7,000	ug/kg	430 U [430 U]	380 U	220 J [130 J]	750 U	410 U	410 U	91 J	480 U	380 U	400 U	420 U	400 U	400 U
Diethylphthalate	--	ug/kg	430 U [430 U]	380 U	790 U [490 U]	750 U	410 U	410 U	460 U	480 U	380 U	400 U	420 U	400 U	400 U
Dimethylphthalate	--	ug/kg	430 U [430 U]	380 U	790 U [490 U]	750 U	410 U	410 U	460 U	480 U	380 U	400 U	420 U	400 U	400 U
Di-n-butylphthalate	--	ug/kg	430 U [430 U]	380 U	790 U [490 U]	750 U	410 U	410 U	460 U	480 U	380 U	400 U	420 U	400 U	400 U
Di-n-octyl phthalate	--	ug/kg	430 UJ [430 UJ]	380 UJ	230 J [490 U]	750 UJ	410 U	410 U	65 J	480 U	380 U	400 U	420 U	400 U	400 U
Fluoranthene	100,000	ug/kg	430 U [430 U]	380 U	4,100 J [1,900 J]	5,400	410 U	410 U	2,500	3,400	290 J	400 U	81 J	400 U	400 U
Fluorene	30,000	ug/kg	430 U [430 U]	380 U	370 J [190 J]	290 J	410 U	410 U	300 J	380 J	82 J	400 U	420 U	400 U	400 U
Hexachlorobenzene	330	ug/kg	430 U [430 U]	380 U	790 U [490 U]	750 U	410 U	410 U	460 U	480 U	380 U	400 U	420 U	400 U	400 U
Hexachlorobutadiene	--	ug/kg	430 U [430 U]	380 U	790 U [490 U]	750 U	410 U	410 U	460 U	480 U	380 U	400 U	420 U	400 U	400 U
Hexachlorocyclopentadiene	--	ug/kg	430 U [430 U]	380 U	790 U [490 U]	750 UJ	410 U	410 U	460 UJ	480 UJ	380 UJ	400 U	420 UJ	400 UJ	400 UJ
Hexachloroethane	--	ug/kg	430 U [430 U]	380 U	790 U [490 U]	750 U	410 U	410 U	460 U	480 U	380 U	400 U	420 U	400 U	400 U
Indeno(1,2,3-cd)pyrene	500	ug/kg	430 UJ [430 UJ]	380 UJ	2,800 J [1,700 J]	1,300	410 U	410 U	2,300 J	2,000 J	170 J	400 U	420 UJ	400 UJ	400 UJ
Isophorone	--	ug/kg	430 U [430 U]	380 U	790 U [490 U]	750 U	410 U	410 U	460 U	480 U	380 U	400 U	420 U	400 U	400 U
Naphthalene	12,000	ug/kg	430 U [430 UJ]	380 U	500 J [340 J]	370 J	85 J	410 U	540	690	140 J	400 U	420 U	400 U	400 U
Nitrobenzene	--	ug/kg	430 U [430 U]	380 U	790 U [490 U]	750 U	410 U	410 U	460 U	480 U	380 U	400 U	420 U	400 U	400 U
N-Nitroso-di-n-propylamine	--	ug/kg	430 U [430 U]	380 U	790 U [490 U]	750 U	410 U	410 U	460 U	480 U	380 U	400 U	420 U	400 U	400 U
N-Nitrosodiphenylamine	--	ug/kg	430 U [430 U]	380 U	790 U [490 U]	750 U	410 U	410 U	460 U	480 U	380 U	400 U	420 U	400 U	400 U
p-Cresol	330	ug/kg	430 U [430 U]	380 U	790 U [490 U]	750 U	410 U	410 U	460 U	520	380 U	400 U	420 U	400 U	400 U
Pentachlorophenol	800	ug/kg	2,100 U [2,100 U]	1,900 U	3,800 UJ [2,400 U]	3,700 U	2,000 U	2,000 U	2,200 U	2,300 U	1,800 U	1,900 U	2,000 U	1,900 U	2,000 U
Phenanthrene	100,000	ug/kg	430 U [430 U]	380 U	3,200 [1,700]	3,200	410 U	410 U	1,700	2,500	670	400 U	110 J	400 U	400 U
Phenol	330	ug/kg	430 U [430 U]	380 U	790 U [490 U]	750 U	410 U	410 U	460 U	540 H	380 U	400 U	420 U	400 U	400 U
Pyrene	100,000	ug/kg	430 U [430 U]	380 U	3,200 J [2,000]	5,600	410 U	410 UJ	3,800	3,900	390	400 U	86 J	400 U	400 U
Total SVOCs	--	ug/kg	ND [ND]	ND	36,700 J [17,900 J]	28,500 J	85 J	ND	30,400 J	35,100 J	3,760 J	ND	510 J	ND	ND

See Notes on Page 16.

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Table 18b. Summary of SVOCs Detected in Subsurface Soil - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SB-125 42 - 43 07/11/06	SB-126 9 - 10 02/12/07	SB-126 31 - 32 02/12/07	SB-126 46 - 47 02/12/07	SB-126 49 - 50 02/12/07	SB-127 7 - 8 02/12/07	SB-127 48 - 49 02/13/07	SB-127 50 - 51 02/13/07	SB-127 54 - 55 02/13/07	SB-128 8 - 9 02/08/07	SB-128 31 - 32 02/08/07	SB-128 43 - 44 02/08/07	SB-128 49 - 50 02/08/07
Semi-Volatile Organic Compounds															
1,1-Biphenyl	--	ug/kg	450 U	120 J	170,000 JD	160,000	410 U	360 U	7,000	130 J	450 U	410 U [380 U]	87,000	64,000	410 U
1,2,4-Trichlorobenzene	--	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	1,100	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	2,400	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	1,800	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-oxybis(1-Chloropropane)	--	ug/kg	450 U	430 U	14,000 U	36,000 U	410 U	360 U	800 U	430 U	450 UJ	410 U [380 U]	14,000 U	12,000 U	410 U
2,4,5-Trichlorophenol	--	ug/kg	2,200 U	430 U	14,000 U	36,000 U	410 U	360 U	800 U	430 U	450 U	410 U [380 U]	14,000 U	12,000 U	410 U
2,4,6-Trichlorophenol	--	ug/kg	450 U	430 U	14,000 U	36,000 U	410 U	360 U	800 U	430 U	450 U	410 U [380 U]	14,000 U	12,000 U	410 U
2,4-Dichlorophenol	--	ug/kg	450 U	430 U	14,000 U	36,000 U	410 U	360 U	800 U	430 U	450 U	410 U [380 U]	14,000 U	12,000 U	410 U
2,4-Dimethylphenol	--	ug/kg	450 UJ	430 U	14,000 U	36,000 U	410 U	360 U	800 U	430 U	450 U	410 U [380 U]	14,000 U	12,000 U	410 U
2,4-Dinitrophenol	--	ug/kg	2,200 U	870 U	29,000 U	71,000 U	810 U	730 U	1,600 U	860 U	900 UJ	810 U [770 U]	28,000 U	24,000 U	830 U
2,4-Dinitrotoluene	--	ug/kg	450 U	430 U	14,000 U	36,000 U	410 U	360 U	800 U	430 U	450 U	410 U [380 U]	14,000 U	12,000 U	410 U
2,6-Dinitrotoluene	--	ug/kg	450 U	430 U	14,000 U	36,000 U	410 U	360 U	800 U	430 U	450 U	410 U [380 U]	14,000 U	12,000 U	410 U
2-Chloronaphthalene	--	ug/kg	450 U	430 U	14,000 U	36,000 U	410 U	360 U	800 U	430 U	450 U	410 U [380 U]	14,000 U	12,000 U	410 U
2-Chlorophenol	--	ug/kg	450 U	430 U	14,000 U	36,000 U	410 U	360 U	800 U	430 U	450 U	410 U [380 U]	14,000 U	12,000 U	410 U
2-Methylnaphthalene	--	ug/kg	450 U	270 J	1,200,000 D	2,100,000 D	350 J	52 J	89,000 D	1,400	450 U	410 U [380 U]	980,000 D	580,000 D	320 J
2-Methylphenol	330	ug/kg	450 U	430 U	14,000 U	36,000 U	410 U	360 U	800 U	430 U	450 U	410 U [380 U]	14,000 U	12,000 U	410 U
2-Nitroaniline	--	ug/kg	2,200 U	870 U	29,000 U	71,000 U	810 U	730 U	1,600 U	860 U	900 U	810 U [770 U]	28,000 U	24,000 U	830 U
2-Nitrophenol	--	ug/kg	450 UJ	430 U	14,000 U	36,000 U	410 U	360 U	800 U	430 U	450 U	410 U [380 U]	14,000 U	12,000 U	410 U
3,3-Dichlorobenzidine	--	ug/kg	900 U	430 UJ	14,000 UJ	36,000 UJ	410 UJ	360 UJ	800 UJ	430 UJ	450 UJ	410 UJ [380 UJ]	14,000 UJ	12,000 UJ	410 UJ
3-Nitroaniline	--	ug/kg	2,200 U	870 U	29,000 U	71,000 U	810 U	730 U	1,600 U	860 U	900 U	810 U [770 U]	28,000 U	24,000 U	830 U
4,6-Dinitro-2-methylphenol	--	ug/kg	2,200 U	870 U	29,000 U	71,000 U	810 U	730 U	1,600 U	860 U	900 U	810 U [770 U]	28,000 U	24,000 U	830 U
4-Bromophenyl-phenylether	--	ug/kg	450 U	430 U	14,000 U	36,000 U	410 U	360 U	800 U	430 U	450 U	410 U [380 U]	14,000 U	12,000 U	410 U
4-Chloro-3-methylphenol	--	ug/kg	450 UJ	430 U	14,000 U	36,000 U	410 U	360 U	800 U	430 U	450 U	410 U [380 U]	14,000 U	12,000 U	410 U
4-Chloroaniline	--	ug/kg	450 U	430 U	14,000 U	36,000 U	410 U	360 U	800 U	430 U	450 U	410 U [380 U]	14,000 U	12,000 U	410 U
4-Chlorophenyl-phenylether	--	ug/kg	450 U	430 U	14,000 U	36,000 U	410 U	360 U	800 U	430 U	450 U	410 U [380 U]	14,000 U	12,000 U	410 U
4-Nitroaniline	--	ug/kg	900 UJ	870 UJ	29,000 U	71,000 U	810 UJ	730 UJ	1,600 U	860 UJ	900 U	810 U [770 UJ]	28,000 U	24,000 U	830 UJ
4-Nitrophenol	--	ug/kg	2,200 UJ	870 U	29,000 U	71,000 U	810 U	730 U	1,600 U	860 U	900 U	810 U [770 U]	28,000 U	24,000 U	830 U
Acenaphthene	20,000	ug/kg	450 U	700	650,000 D	110,000	140 J	82 J	5,900	140 J	450 U	63 J [380 U]	470,000 D	390,000 D	140 J
Acenaphthylene	100,000	ug/kg	450 U	440	46,000	950,000 D	140 J	260 J	32,000 D	540	450 U	410 U [380 U]	41,000	32,000	410 U
Acetophenone	--	ug/kg	450 U	430 U	14,000 U	36,000 U	410 U	360 U	800 U	430 U	450 U	410 U [380 U]	14,000 U	12,000 U	410 U
Anthracene	100,000	ug/kg	450 U	2,700 D	400,000 JD	640,000 JD	140 J	270 J	17,000 D	340 J	450 U	220 J [380 U]	260,000 JD	220,000 D	80 J
Atrazine	--	ug/kg	450 U	430 UJ	14,000 UJ	36,000 UJ	410 UJ	360 UJ	800 UJ	430 UJ	450 UJ	410 UJ [380 UJ]	14,000 UJ	12,000 UJ	410 UJ
Benzaldehyde	--	ug/kg	450 UJ	430 U	14,000 UJ	36,000 UJ	410 U	360 U	800 U	430 U	450 UJ	410 U [380 U]	14,000 UJ	12,000 UJ	410 U
Benzo(a)anthracene	1,000	ug/kg	450 U	5,200 D	210,000 JD	460,000 JD	120 J	820	8,100	240 J	450 U	350 J [120 J]	160,000 JD	95,000	410 U
Benzo(a)pyrene	1,000	ug/kg	450 U	5,000 D	150,000 JD	220,000	79 J	890	5,100	150 J	450 U	280 J [94 J]	100,000	73,000	410 U
Benzo(b)fluoranthene	1,000	ug/kg	450 U	4,300 D	87,000	170,000	410 U	680	2,400	72 J	450 U	190 J [74 J]	62,000	48,000	410 U
Benzo(g,h,i)perylene	100,000	ug/kg	450 UJ	2,700 D	42,000 J	58,000 J	410 U	560	2,100	59 J	450 U	180 J [100 J]	28,000 J	19,000 J	410 U
Benzo(k)fluoranthene	800	ug/kg	450 U	3,700 D	81,000	160,000	410 U	750	3,100	110 J	450 U	240 J [380 U]	59,000	41,000	410 U
Benzyl alcohol	--	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	--	ug/kg	450 U	430 U	14,000 U	36,000 U	410 U	360 U	800 U	430 U	450 U	410 U [380 U]	14,000 U	12,000 U	410 U
bis(2-Chloroethyl)ether	--	ug/kg	450 UJ	430 U	14,000 U	36,000 U	410 U	360 U	800 U	430 U	450 U	410 U [380 U]	14,000 U	12,000 U	410 U
bis(2-Ethylhexyl)phthalate	--	ug/kg	450 U	430 U	14,000 U	36,000 U	410 U	360 U	800 U	430 U	450 U	410 U [380 U]	14,000 U	12,000 U	95 J
Butylbenzylphthalate	--	ug/kg	450 U	430 U	14,000 U	36,000 U	410 U	360 U	800 U	430 U	450 U	410 U [380 U]	14,000 U	12,000 U	410 U
Caprolatam	--	ug/kg	450 U	430 U	14,000 UJ	36,000 U	410 U	360 U	800 U	430 U	450 U	410 U [380 U]	14,000 UJ	12,000 UJ	410 U
Carbazole	--	ug/kg	450 U	430 UJ	15,000	150,000	94 J	77 J	1,300 J	430 UJ	450 UJ	410 U [380 UJ]	12,000 J	1,800 J	410 UJ
Chrysene	1,000	ug/kg	450 U	5,000 D	200,000 JD	260,000	110 J	840	7,700	230 J	450 U	320 J [110 J]	150,000 JD	82,000	410 U

See Notes on Page 16.

Table 18b. Summary of SVOCs Detected in Subsurface Soil - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SB-125 42 - 43 07/11/06	SB-126 9 - 10 02/12/07	SB-126 31 - 32 02/12/07	SB-126 46 - 47 02/12/07	SB-126 49 - 50 02/12/07	SB-127 7 - 8 02/12/07	SB-127 48 - 49 02/13/07	SB-127 50 - 51 02/13/07	SB-127 54 - 55 02/13/07	SB-128 8 - 9 02/08/07	SB-128 31 - 32 02/08/07	SB-128 43 - 44 02/08/07	SB-128 49 - 50 02/08/07
Semi-Volatile Organic Compounds															
Dibenz(a,h)anthracene	330	ug/kg	450 U	950	14,000 J	25,000 J	410 U	170 J	770 J	430 U	450 U	410 U [380 U]	11,000 J	7,200 J	410 U
Dibenzofuran	7,000	ug/kg	450 U	520	48,000	470,000 JD	89 J	360 U	3,400	71 J	450 U	410 U [380 U]	46,000	39,000	410 U
Diethylphthalate	--	ug/kg	450 U	430 U	14,000 U	36,000 U	410 U	360 U	800 U	430 U	450 U	410 U [380 U]	14,000 U	12,000 U	410 U
Dimethylphthalate	--	ug/kg	450 U	430 U	14,000 U	36,000 U	410 U	360 U	800 U	430 U	450 U	410 U [380 U]	14,000 U	12,000 U	410 U
Di-n-butylphthalate	--	ug/kg	450 U	430 U	14,000 U	36,000 U	410 U	360 U	800 U	430 U	450 U	410 U [380 U]	14,000 U	12,000 U	410 U
Di-n-octyl phthalate	--	ug/kg	450 U	430 U	14,000 U	36,000 U	410 U	360 U	800 U	430 U	450 U	410 U [380 U]	14,000 U	12,000 U	410 U
Fluoranthene	100,000	ug/kg	450 U	12,000 D	380,000 JD	880,000 JD	210 J	1,500	15,000 D	400 J	450 U	810 [250 J]	280,000 JD	240,000 D	96 J
Fluorene	30,000	ug/kg	450 U	920	340,000 JD	790,000 JD	130 J	69 J	18,000 D	350 J	450 U	410 U [380 U]	230,000 JD	230,000 D	410 U
Hexachlorobenzene	330	ug/kg	450 U	430 U	14,000 U	36,000 U	410 U	360 U	800 U	430 U	450 U	410 U [380 U]	14,000 U	12,000 U	410 U
Hexachlorobutadiene	--	ug/kg	450 U	430 U	14,000 U	36,000 U	410 U	360 U	800 U	430 U	450 U	410 U [380 U]	14,000 U	12,000 U	410 U
Hexachlorocyclopentadiene	--	ug/kg	450 UJ	430 UJ	14,000 U	36,000 U	410 UJ	360 UJ	800 UJ	430 UJ	450 U	410 UJ [380 UJ]	14,000 U	12,000 U	410 UJ
Hexachloroethane	--	ug/kg	450 U	430 U	14,000 U	36,000 U	410 U	360 U	800 U	430 U	450 U	410 U [380 U]	14,000 U	12,000 U	410 U
Indeno(1,2,3-cd)pyrene	500	ug/kg	450 UJ	2,900	45,000 J	71,000 J	410 U	570	2,100	61 J	450 U	190 J [80 J]	31,000 J	23,000 J	410 U
Isophorone	--	ug/kg	450 U	430 U	14,000 U	36,000 U	410 U	360 U	800 U	430 U	450 U	410 U [380 U]	14,000 U	12,000 U	410 U
Naphthalene	12,000	ug/kg	450 U	540	2,100,000 D	5,000,000 D	950	89 J	150,000 D	2,000	450 U	410 U [380 U]	1,700,000 D	240,000 D	400 J
Nitrobenzene	--	ug/kg	450 U	430 U	14,000 U	36,000 U	410 U	360 U	800 U	430 U	450 U	410 U [380 U]	14,000 U	12,000 U	410 U
N-Nitroso-di-n-propylamine	--	ug/kg	450 U	430 U	14,000 UJ	36,000 UJ	410 U	360 U	800 U	430 U	450 U	410 U [380 U]	14,000 UJ	12,000 UJ	410 U
N-Nitrosodiphenylamine	--	ug/kg	450 U	430 U	14,000 U	36,000 U	410 U	360 U	800 U	430 U	450 U	410 U [380 U]	14,000 U	12,000 U	410 U
p-Cresol	330	ug/kg	450 U	870 U	29,000 U	71,000 U	810 U	730 U	1,600 U	860 U	900 U	810 U [770 U]	28,000 U	24,000 U	830 U
Pentachlorophenol	800	ug/kg	2,200 U	870 U	29,000 U	71,000 U	810 U	730 U	1,600 U	860 U	900 U	810 U [770 U]	28,000 U	24,000 U	830 U
Phenanthrene	100,000	ug/kg	450 U	8,600 D	1,100,000 D	2,000,000 D	440	890	54,000 D	1,100	450 U	790 [210 J]	850,000 D	650,000 D	270 J
Phenol	330	ug/kg	450 U	430 U	14,000 U	36,000 U	410 U	360 U	800 U	430 U	450 U	410 U [380 U]	14,000 U	12,000 U	410 U
Pyrene	100,000	ug/kg	450 U	11,000 D	580,000 D	970,000 D	210 J	1,500	25,000 D	570	450 U	740 [270 J]	420,000 JD	290,000 D	150 J
Total SVOCs	--	ug/kg	ND	67,600 J	7,860,000 J	15,600,000 J	3,200 J	10,100 J	449,000 J	7,960 J	ND	4,370 J [1,310 J]	5,980,000 J	3,370,000 J	1,550 J

See Notes on Page 16.

Table 18b. Summary of SVOCs Detected in Subsurface Soil - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Notes:

J = indicates an estimated value.

ND = not detected.

D = compounds analyzed at a dilution.

U = indicates the constituent was not detected at the PQL. The value preceding the U indicates the PQL.

H = alternate peak selection upon analytical review.

UJ = estimated non-detect.

ug/kg = micrograms per kilogram.

bgs = below ground surface.

PQL = practical quantitation limit.

NYCRR = New York State Codes Rules and Regulations.

SCOs = Soil Cleanup Objectives according to 6 NYCRR Subpart 375-6 *Remedial Program Soil Cleanup Objectives*.

- - = no SCO exists for the specified compound.

VOCs = volatile organic compounds.

Bolded and shaded values exceed the Unrestricted Use SCOs.

See Notes on Page 1.

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Table 19a. Summary of Inorganics, Cyanide and PCBs Detected in Subsurface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	B-1 8 - 8.5 08/27/04	B-1 16 - 16.5 08/27/04	B-1 24.5 - 25 08/27/04	B-2 7 - 9 09/01/04	B-2 15 - 17 09/01/04	B-2 19 - 21 09/01/04	B-3 2.5 - 3 08/16/04	B-3 9 - 10 08/18/04	B-3 13 - 14 08/18/04	B-3 38 - 39 08/18/04	B-4 5 - 7 04/21/04	B-4 9 - 11 04/21/04	B-5 3 - 5 04/15/04	B-5 7 - 9 04/15/04	B-5 17 - 19 04/15/04	B-6 3 - 4 03/23/04
Metals																		
Arsenic	13	mg/kg	4.99 J	4.29 J	1.42	2.35	1.95	2.01	8.6 J	1.41 J	3.73 J	0.394 J	6.2	1.9	17.8	4.9	8.7	2.7
Barium	350	mg/kg	31.3	46.2	148	47.2	54	232	203	36	82.3	23.7 J	49.4	47.3	407	260	87.9	67.9
Cadmium	2.5	mg/kg	0.912 J	0.506 J	0.855	0.93	0.472 J	3.41	0.825 J	0.049 U	0.057 U	0.058 U	0.1 J	0.18 J	1.7	0.35 J	0.19 J	0.05 UJ
Chromium	1	mg/kg	8.67 J	15.3 J	33.9	13	18.2	52.7	8.59 J	12.6 J	18.7 J	6.71	12	15.1	18.2	12.6	7.5	9.3
Chromium	30	mg/kg	8.67 J	15.3 J	33.9	13	18.2	52.7	8.59 J	12.6 J	18.7 J	6.71	12	15.1	18.2	12.6	7.5	9.3
Lead	63	mg/kg	44.4	31.1	10.6	48.4 J	15.8 J	13.2 J	433	3.83	146	2.64	54.3	38.1	3,330	1,560	946	224 J
Mercury	0.18	mg/kg	0.89 J	0.08 J	0.01 U	0.08 J	0.03 J	0.02 J	0.32 J	0.01 UJ	0.17 UJ	0.01 U	0.08	0.02	0.37	0.33	0.07	0.18
Selenium	3.9	mg/kg	5.07 J	3.37 J	2.2	1.03 J	1.27	1.54 J	2.13	0.586 J	1.29	0.396 U	0.35 UJ	0.49 J	2.3 J	0.87 J	0.41 J	0.36 U
Silver	2	mg/kg	1.1 J	0.202 J	0.132 U	0.112 U	0.124 U	0.137 U	0.129 U	0.112 UJ	0.13 UJ	0.133 U	0.12 U	0.12 U	0.13 U	0.14 U	0.13 U	0.12 U
Cyanide																		
Cyanide	27	mg/kg	4.08	0.986	0.629 U	0.534 U	0.588 U	0.654 U	6.08 J	0.535 U	0.63 U	0.632 U	0.551 U	0.554 U	1.13	1.85	0.63 U	0.571 U
PCBs																		
Aroclor-1016	--	mg/kg	0.0065 U	0.006 U	0.0064 U	0.0055 U	0.0061 U	0.0067 U	0.0064 U	0.0055 U	0.0065 U	0.0065 U	0.0057 U	0.0057 U	0.0065 U	0.0068 U	0.0065 U	0.0059 U
Aroclor-1221	--	mg/kg	0.0044 U	0.0041 U	0.0044 U	0.0038 U	0.0041 U	0.0045 U	0.0044 U	0.0038 U	0.0044 U	0.0044 U	0.0039 U	0.0039 U	0.0044 U	0.0046 U	0.0044 U	0.004 U
Aroclor-1232	--	mg/kg	0.003 U	0.0028 U	0.003 U	0.0025 U	0.0028 U	0.0031 U	0.003 U	0.0025 U	0.003 U	0.003 U	0.0026 U	0.0026 U	0.003 U	0.0031 U	0.003 U	0.0027 U
Aroclor-1242	--	mg/kg	0.0038 U	0.0035 U	0.0038 U	0.0033 U	0.0036 U	0.004 U	0.0038 U	0.0033 U	0.0039 U	0.0039 U	0.0034 U	0.0034 U	0.0038 U	0.004 U	0.0038 U	0.0035 U
Aroclor-1248	--	mg/kg	0.0045 U	0.0042 U	0.0045 U	0.0039 U	0.0043 U	0.0047 U	0.0045 U	0.0039 U	0.0046 U	0.0046 U	0.004 U	0.004 U	0.0045 U	0.0048 U	0.0045 U	0.0041 U
Aroclor-1254	--	mg/kg	0.0017 U	0.0015 U	0.0017 U	0.0014 U	0.0016 U	0.0017 U	0.0017 U	0.0014 U	0.0017 U	0.0017 U	0.0015 U	0.0015 U	0.0017 U	0.0018 U	0.0017 U	0.0015 U
Aroclor-1260	--	mg/kg	0.0037 U	0.0034 U	0.0036 U	0.0031 U	0.0034 U	0.0038 U	0.0036 U	0.0031 U	0.0037 U	0.0037 U	0.0032 U	0.0032 U	0.0037 U	0.0038 U	0.0037 U	0.0033 U

See Notes on Page 5.

Table 19a. Summary of Inorganics, Cyanide and PCBs Detected in Subsurface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	B-7 5 - 7 05/20/04	B-7 15 - 17 05/20/04	B-8 5 - 7 05/18/04	B-8 12 - 14 05/18/04	B-10 4 - 5 03/26/04	B-10 9 - 11 04/14/04	B-11 2 - 3 03/17/04	B-11 8 - 10 04/22/04	B-11 18 - 20 04/22/04	B-11 26 - 28 04/22/04	B-12 3 - 4 03/17/04	B-12 7 - 9 04/09/04	B-12 21 - 23 04/15/04	B-13 5 - 7 04/12/04
Metals																
Arsenic	13	mg/kg	0.82 J	3.5	9.7 J	9.6 J	5.9	19.8 J	17.8	11.5 [6]	NA	11.3	9	6.3 J	9.2	1.3 J
Barium	350	mg/kg	27.3	65.5	178 J	67.9 J	125	325	385	191 [105]	NA	169	151	30.9	205	33.9
Cadmium	2.5	mg/kg	0.36 J	0.64 J	0.55 J	0.23 J	0.09 J	0.71 J	1.4	2 [1.8]	NA	1.3	0.62	0.52 J	0.61 J	0.24 J
Chromium	1	mg/kg	8.2 J	9.5 J	28.7	20.1	9.6	13.3 J	14	28 [13.3]	NA	21.8	8.9	10.9 J	38.7	10.5 J
Chromium	30	mg/kg	8.2 J	9.5 J	28.7	20.1	9.6	13.3 J	14	28 [13.3]	NA	21.8	8.9	10.9 J	38.7	10.5 J
Lead	63	mg/kg	7.4 J	51.4 J	309 J	163 J	315	2,160	1,090 J	367 J [221 J]	NA	558 J	515 J	212	230	14.9
Mercury	0.18	mg/kg	0.02 J	0.15 J	0.53 J	0.56 J	0.05	0.05	1.3 D	0.41 J [0.24 J]	NA	4.2 J	1.1 D	0.12	0.19	0.03
Selenium	3.9	mg/kg	0.34 U	0.44 U	0.56 J	0.5 U	0.37 U	1.1 J	1.5	0.38 U [0.39 U]	NA	0.47 U	0.52 J	0.41 U	1.5 J	0.33 U
Silver	2	mg/kg	0.11 U	0.41 J	0.13 U	0.17 U	0.12 U	1 J	0.12 UN	0.13 UJ [0.13 UJ]	NA	0.16 UJ	0.12 UN	0.14 UJ	0.19 U	0.11 UJ
Cyanide																
Cyanide	27	mg/kg	0.54 U	0.698 U	0.606 U	0.804 U	0.124 U	0.858 U	0.592 U	0.617 U [0.618 U]	0.757 U	0.763 U	0.561 U	0.667 U	0.891 U	0.531
PCBs																
Aroclor-1016	--	mg/kg	0.0055 U	0.0072 U	0.0063 U	0.0083 U	0.006 U	0.0088 U	0.012 U	0.0064 U [0.0063 U]	0.0078 U	0.0079 U	0.012 U	0.0069 U	0.0092 U	0.0055 U
Aroclor-1221	--	mg/kg	0.0038 U	0.0049 U	0.0043 U	0.0057 U	0.0041 U	0.006 U	0.0083 U	0.0016 U [0.0016 U]	0.002 U	0.002 U	0.0079 U	0.0047 U	0.0062 U	0.0038 U
Aroclor-1232	--	mg/kg	0.0025 U	0.0033 U	0.0029 U	0.0038 U	0.0028 U	0.0041 U	0.0056 U	0.0099 U [0.0097 U]	0.012 U	0.012 U	0.0053 U	0.0032 U	0.0042 U	0.0025 U
Aroclor-1242	--	mg/kg	0.0033 U	0.0043 U	0.0037 U	0.0049 U	0.0036 U	0.0052 U	0.0072 U	0.0027 U [0.0027 U]	0.0033 U	0.0033 U	0.0069 U	0.0041 U	0.0054 U	0.0033 U
Aroclor-1248	--	mg/kg	0.0039 U	0.005 U	0.0044 U	0.0058 U	0.0042 U	0.0062 U	0.0085 U	0.0068 U [0.0067 U]	0.0083 U	0.0083 U	0.0081 U	0.0048 U	0.0064 U	0.0039 U
Aroclor-1254	--	mg/kg	0.0014 U	0.0019 U	0.0016 U	0.0022 U	0.0016 U	0.0023 U	0.0031 U	0.013 U [0.013 U]	0.016 U	0.016 U	0.003 U	0.0018 U	0.0024 U	0.0014 U
Aroclor-1260	--	mg/kg	0.0031 U	0.0041 U	0.0036 U	0.0047 U	0.0034 U	0.005 U	0.0069 U	0.0025 U [0.0024 U]	0.003 U	0.003 U	0.0065 U	0.0039 U	0.0052 U	0.0031 U

See Notes on Page 5.

Table 19a. Summary of Inorganics, Cyanide and PCBs Detected in Subsurface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	B-14 8 - 10 04/13/04	B-14 14 - 16 04/13/04	B-15 8 - 10 04/13/04	B-15 14 - 16 04/13/04	B-16 5 - 7 04/06/04	B-16 17 - 19 04/06/04	B-16 19 - 21 04/06/04	B-17 5 - 7 04/08/04	B-17 10 - 12 04/08/04	B-19 12 - 14 04/12/04	B-19 16 - 18 04/12/04	B-21 14 - 15 04/05/04	B-21 19 - 21 04/05/04	B-21 23 - 25 04/05/04	B-22 5 - 7 04/08/04
Metals																	
Arsenic	13	mg/kg	11.6 J	5.8 J	4.6 J	4.6 J [2.7 J]	NA	24.6 J	13.3 J	4.4 J	3.9 J	3.8 J	6.9 J	8.6 J	8.4 J	2.2 J	7.4 J
Barium	350	mg/kg	256	59.9	81.4	144 [64.2]	NA	275	71.7	85.9	56	106	126	179	108	10.8 J	303
Cadmium	2.5	mg/kg	0.95 J	0.46 J	0.33 J	0.14 J [0.24 J]	NA	0.44 J	0.45 J	0.86 J	0.55 J	0.42 J	0.34 J	0.71	0.36 J	0.06 U	0.67 J
Chromium	1	mg/kg	13 J	8.9 J	10.3 J	6.4 J [6.7 J]	NA	30.4	34.8	8.6 J	13.8 J	22.2 J	13.3 J	12.3	19	7.5	15.1 J
Chromium	30	mg/kg	13 J	8.9 J	10.3 J	6.4 J [6.7 J]	NA	30.4	34.8	8.6 J	13.8 J	22.2 J	13.3 J	12.3	19	7.5	15.1 J
Lead	63	mg/kg	343	153	276	822 [308]	NA	749	303	162	234	255	220	406	266	8.6	1,380
Mercury	0.18	mg/kg	0.14	0.27	0.05	0.45 [0.13]	NA	0.9 D	0.23	0.75 D	0.21	0.24	0.14	0.5	0.34	0.01 U	1.1 D
Selenium	3.9	mg/kg	0.43 U	0.4 U	0.36 U	0.44 U [0.41 U]	NA	0.51 U	0.59 U	0.38 U	0.41 U	0.39 U	0.42 U	0.38 U	0.47 U	0.38 U	0.38 U
Silver	2	mg/kg	0.15 UJ	0.14 UJ	0.12 UJ	0.15 UJ [0.14 UJ]	NA	R	R	0.13 UJ	0.63 UJ	0.13 UJ	0.14 UJ	R	R	R	0.13 UJ
Cyanide																	
Cyanide	27	mg/kg	4.7	0.645 U	0.706	0.705 U [0.649 U]	0.95	5.12	0.949	0.602 U	1.32	0.623 U	0.672 U	0.611	0.767	0.607	0.605 U
PCBs																	
Aroclor-1016	--	mg/kg	0.0072 U	0.0066 U	0.006 U	0.0073 U [0.0067 U]	0.0061 U	0.0084 U	0.0096 U	0.0063 U	0.0068 U	0.0064 U	0.0069 U	0.0063 U	0.0079 U	0.0063 U	0.0062 U
Aroclor-1221	--	mg/kg	0.0049 U	0.0045 U	0.0041 U	0.005 U [0.0046 U]	0.0042 U	0.0057 U	0.0066 U	0.0043 U	0.0046 U	0.0044 U	0.0047 U	0.0043 U	0.0054 U	0.0043 U	0.0042 U
Aroclor-1232	--	mg/kg	0.0033 U	0.0031 U	0.0028 U	0.0034 U [0.0031 U]	0.0028 U	0.0039 U	0.0044 U	0.0029 U	0.0031 U	0.003 U	0.0032 U	0.0029 U	0.0036 U	0.0029 U	0.0029 U
Aroclor-1242	--	mg/kg	0.0043 U	0.0039 U	0.0036 U	0.0043 U [0.004 U]	0.0036 U	0.005 U	0.0057 U	0.0037 U	0.004 U	0.0038 U	0.0041 U	0.0037 U	0.0047 U	0.0037 U	0.0037 U
Aroclor-1248	--	mg/kg	0.005 U	0.0046 U	0.0042 U	0.0051 U [0.0047 U]	0.0043 U	0.0059 U	0.0068 U	0.0044 U	0.0048 U	0.0045 U	0.0049 U	0.0044 U	0.0055 U	0.0044 U	0.0044 U
Aroclor-1254	--	mg/kg	0.0019 U	0.0017 U	0.0016 U	0.0019 U [0.0017 U]	0.0016 U	0.0022 U	0.0025 U	0.0016 U	0.0018 U	0.0017 U	0.0018 U	0.0016 U	0.002 U	0.0016 U	0.0016 U
Aroclor-1260	--	mg/kg	0.0041 U	0.0037 U	0.0034 U	0.0041 U [0.0038 U]	0.0035 U	0.0047 U	0.0054 U	0.0035 U	0.0038 U	0.0036 U	0.0039 U	0.0036 U	0.0044 U	0.0035 U	0.0035 U

See Notes on Page 5.

Table 19a. Summary of Inorganics, Cyanide and PCBs Detected in Subsurface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	B-22 10 - 12 04/08/04	B-23 5 - 7 04/19/04	B-23 19 - 21 04/19/04	B-23 23 - 25 04/20/04	B-24 1 - 2 08/20/04	B-24 2 - 2.5 08/20/04	B-24 6.5 - 7 08/25/04	B-24 9 - 11 08/19/04	B-24 10 - 10.5 08/25/04	B-25 10 - 10.5 08/20/04	B-25 16.5 - 17 08/20/04	B-25 22.5 - 23 08/20/04	B-26 11 - 11.5 08/18/04	B-26 25 - 27 08/18/04	B-26 37 - 39 08/18/04
Metals																	
Arsenic	13	mg/kg	10.6 J	7.7	5.6	6.8	66.9	20.6	9.51 J	1.5 J	7.2 J	4.09 J	1.48 J	0.766 J	4.43 J	2.35 J	0.53 J
Barium	350	mg/kg	37.3	234	75.8	37.6	2,510	547	176	38.3	207	55.3 J	42 J	111 J	64	96.3	21.9 J
Cadmium	2.5	mg/kg	1.8 J	1.2	0.08 U	0.35 J	43.1	19.7	2.47 J	0.054 U	2.71 J	0.905 J	0.702 J	0.699 J	0.053 U	0.063 U	0.054 U
Chromium	1	mg/kg	9 J	8	15	21.9	120	30.8	15.3 J	10.9 J	21.7 J	11.8 J	13.2 J	24.3	18.9 J	26 J	8.57 J
Chromium	30	mg/kg	9 J	8	15	21.9	120	30.8	15.3 J	10.9 J	21.7 J	11.8 J	13.2 J	24.3	18.9 J	26 J	8.57 J
Lead	63	mg/kg	282	435	140	105	21,400	3,850	934	25.6	1,060	533	68.4	10.4	89.6	9.12	3.27
Mercury	0.18	mg/kg	0.04	0.56	0.27	0.13	0.62	1.1	0.48 J	0.07 J	0.27 J	0.52	0.19	0.01	0.15 J	0.02 J	0.01 J
Selenium	3.9	mg/kg	0.4 U	0.64 J	2.1 J	0.89 J	4.61 J	2.09 J	3.94 J	1.55	2.49 J	1.91 J	1.34 J	0.496 J	0.988 J	1.18 J	0.396 J
Silver	2	mg/kg	0.24 UJ	0.13 U	0.19 U	0.16 U	0.145 U	0.128 U	0.121 U	0.124 UJ	0.125 U	0.134 U	0.26 J	0.135 U	0.121 UJ	3.91 J	0.123 UJ
Cyanide																	
Cyanide	27	mg/kg	1.86	0.626 U	0.912 U	0.784 U	77	16	1.73	0.596 U	4.07	2.94	0.684 U	0.643 U	0.581 U	0.682 U	0.586 U
PCBs																	
Aroclor-1016	--	mg/kg	0.0066 U	0.0064 U	0.0093 U	0.008 U	0.0071 UJ	0.0062 U	0.006 U	0.0061 U	0.0061 U	0.0066 U	0.0071 U	0.0066 U	0.006 U	0.0071 U	0.0061 U
Aroclor-1221	--	mg/kg	0.0045 U	0.0044 U	0.0064 U	0.0055 U	0.0049 UJ	0.0043 U	0.0041 U	0.0041 U	0.0042 U	0.0045 U	0.0048 U	0.0045 U	0.0041 U	0.0048 U	0.0041 U
Aroclor-1232	--	mg/kg	0.0031 U	0.003 U	0.0043 U	0.0037 U	0.0033 UJ	0.0029 U	0.0028 U	0.0028 U	0.0028 U	0.003 U	0.0033 U	0.0031 U	0.0028 U	0.0033 U	0.0028 U
Aroclor-1242	--	mg/kg	0.0039 U	0.0038 U	0.0055 U	0.0048 U	0.0042 UJ	0.0037 U	0.0035 U	0.0036 U	0.0036 U	0.0039 U	0.0042 U	0.0039 U	0.0035 U	0.0042 U	0.0036 U
Aroclor-1248	--	mg/kg	0.0047 U	0.0045 U	0.0065 U	0.0056 U	0.005 UJ	0.0044 U	0.0042 U	0.0043 U	0.0043 U	0.0046 U	0.005 U	0.0046 U	0.0042 U	0.005 U	0.0043 U
Aroclor-1254	--	mg/kg	0.0017 U	0.0017 U	0.0024 U	0.0021 U	0.0018 UJ	0.0016 U	0.0015 U	0.0016 U	0.0016 U	0.0017 U	0.0018 U	0.0017 U	0.0015 U	0.0018 U	0.0016 U
Aroclor-1260	--	mg/kg	0.0038 U	0.0036 U	0.0053 U	0.0045 U	0.17 J	0.072 J	0.0034 U	0.0034 U	0.0035 U	0.0037 U	0.004 U	0.0037 U	0.0034 U	0.004 U	0.0034 U

See Notes on Page 5.

Table 19a. Summary of Inorganics, Cyanide and PCBs Detected in Subsurface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	B-27 10 - 12 05/20/04	B-32 5 - 7 04/06/04	B-32 13 - 15 04/06/04	B-32 21 - 23 04/06/04	B-32 35 - 37 04/07/04	B-33 4 - 5 03/23/04	B-33 7 - 9 04/21/04	B-34 5 - 7 04/14/04	B-34 17 - 19 04/14/04	B-35 5 - 7 04/26/04	B-37 5 - 7 04/20/04	B-37 11 - 13 04/20/04	B-38 10 - 12 04/20/04	B-38 16 - 18 04/20/04	B-39 19 - 21 04/15/04
Metals																	
Arsenic	13	mg/kg	12.3 [10.4]	5.7	9.8 J	3.5 J	2.9 J	4.6	2	25 J	3.3 J	3.6	5.4	3.4	9.9	2.8	2.4
Barium	350	mg/kg	74.3 [77.2]	120	138	54.4	191	80.5	52.9	41.1	90.6	321	75.6	65.6	50.1	54.9	17.5 J
Cadmium	2.5	mg/kg	1.1 J [1.3 J]	0.6	0.36 J	0.06 U	0.45 J	0.06 UJ	0.11 J	3 J	0.34 J	0.99	1.7	0.26 J	0.16 J	0.06 U	0.11 J
Chromium	1	mg/kg	19.8 J [17.4 J]	15.8	28	14.7	33.4	9.1	10.8	9.3 J	9.2 J	11	10.1	12.6	8.8	7.8	14.3
Chromium	30	mg/kg	19.8 J [17.4 J]	15.8	28	14.7	33.4	9.1	10.8	9.3 J	9.2 J	11	10.1	12.6	8.8	7.8	14.3
Lead	63	mg/kg	222 J [267 J]	548	683	105	22	220 J	155	2,440	143	564 J	304	217	225	99.1	35.2
Mercury	0.18	mg/kg	0.27 J [0.29 J]	1.7 D	1.5 D	0.62 D	0.01 J	0.71	0.28	1.7 D	1.1 D	0.42 J	0.14	0.11	0.22	0.55	0.01 U
Selenium	3.9	mg/kg	0.4 U [0.46 U]	0.36 U	0.46 U	0.37 U	0.42 U	0.39 U	0.68 J	0.4 J	0.4 U	0.39 U	0.36 UJ	0.39 J	0.64 J	0.92 J	0.5 J
Silver	2	mg/kg	0.13 U [0.16 U]	0.12 U	R	R	R	0.13 U	0.12 U	4 J	0.13 UJ	0.13 UJ	0.18 J	0.13 U	0.13 U	0.13 U	0.17 U
Cyanide																	
Cyanide	27	mg/kg	0.636 U [0.934]	1.14	0.735	0.599	0.671	0.628 U	0.594 U	3.59	0.649 U	0.625 U	0.573 U	0.616 U	0.63 U	0.609 U	0.8 U
PCBs																	
Aroclor-1016	--	mg/kg	0.0065 U [0.0079 U]	0.0059 U	0.0075 U	0.0061 U	0.0068 U	0.0064 U	0.0062 U	0.006 U	0.0066 U	0.0064 U	0.0059 U	0.0064 U	0.0065 U	0.0063 U	0.0082 U
Aroclor-1221	--	mg/kg	0.0044 U [0.0054 U]	0.004 U	0.0051 U	0.0042 U	0.0046 U	0.0044 U	0.0042 U	0.0041 U	0.0045 U	0.0016 U	0.004 U	0.0044 U	0.0044 U	0.0043 U	0.0056 U
Aroclor-1232	--	mg/kg	0.003 U [0.0037 U]	0.0027 U	0.0035 U	0.0028 U	0.0031 U	0.0029 U	0.0029 U	0.0028 U	0.0031 U	0.0099 U	0.0027 U	0.003 U	0.003 U	0.0029 U	0.0038 U
Aroclor-1242	--	mg/kg	0.0039 U [0.0047 U]	0.0035 U	0.0045 U	0.0036 U	0.004 U	0.0038 U	0.0037 U	0.0036 U	0.0039 U	0.0027 U	0.0035 U	0.0038 U	0.0038 U	0.0038 U	0.0049 U
Aroclor-1248	--	mg/kg	0.0046 U [0.0056 U]	0.0041 U	0.0053 U	0.0043 U	0.0048 U	0.0045 U	0.0043 U	0.0042 U	0.0047 U	0.0068 U	0.0041 U	0.0045 U	0.0045 U	0.0044 U	0.0058 U
Aroclor-1254	--	mg/kg	0.0017 U [0.002 U]	0.0015 U	0.0019 U	0.0016 U	0.0018 U	0.0017 U	0.0016 U	0.0016 U	0.0017 U	0.013 U	0.0015 U	0.0017 U	0.0017 U	0.0016 U	0.0021 U
Aroclor-1260	--	mg/kg	0.0037 U [0.0045 U]	0.0033 U	0.0043 U	0.0035 U	0.0038 U	0.0036 U	0.0035 U	0.0034 U	0.0038 U	0.0025 U	0.0033 U	0.0036 U	0.0037 U	0.0036 U	0.0047 U

See Notes on Page 5.

Table 19a. Summary of Inorganics, Cyanide and PCBs Detected in Subsurface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Notes:

J = indicates an estimated value.

U = Indicates the constituent was not detected at the PQL. The value preceding the U indicates the PQL.

UJ = estimated non-detect.

mg/kg = milligrams per kilogram.

bgs = below ground surface.

PQL = practical quantitation limit.

NYCRR = New York State Codes Rules and Regulations.

SCOs = Soil Cleanup Objectives according to 6 NYCRR Subpart 375-6 *Remedial Program Soil Cleanup Objectives*.

- = no SCO exists for the specified compound.

Bolded and shaded values exceed the Unrestricted Use SCOs.

PCBs = polychlorinated biphenyls.

See Notes on Page 1.

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Table 19b. Summary of Inorganics and Cyanide Detected in Subsurface Soil - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SB-101 7 - 8 07/13/06	SB-101 20 - 21 07/15/06	SB-101 32.5 - 33 07/15/06	SB-101 37 - 38 07/15/06	SB-102 8 - 9 07/13/06	SB-102 32 - 33 07/13/06	SB-102 39 - 40 07/13/06	SB-102 49 - 50 07/13/06	SB-103 8 - 9 07/30/06	SB-103 49 - 50 07/30/06	SB-104 7 - 8 07/31/06	SB-104 20 - 21 07/31/06	SB-104 25.5 - 26 07/31/06
Metals															
Antimony	- -	mg/kg	R	R	R	R	R	R	R	R	14.7 UJ	17.9 UJ	15.2 UJ	16.2 UJ	14.4 UJ
Arsenic	13	mg/kg	10.2 J	R	R	R	1.4 BJ	9.1 UJ	8 UJ	3.1 BJ	10 U	2.6 B	10.4 U	8.4 B	2.1 B
Beryllium	7.2	mg/kg	2 UJ	2.4 U	2 U	2.4 U	1.6 UJ	2.3 UJ	2 UJ	1.2 BJ	2.5 UN	0.94 BJ	2.6 U	2.8 U	2.5 UJ
Cadmium	2.5	mg/kg	2.9 UJ	3.6 U	3.1 U	3.6 U	2.4 UJ	3.4 UJ	3 UJ	1.6 BJ	3.8 U	4.6 U	3.9 U	4.2 U	3.7 U
Chromium	1	mg/kg	11.5	9	9.7	22.7	12.4	9.5	11.8	94.5	12.7 J	52.6 J	18.5 J	11.7 J	30 J
Chromium	30	mg/kg	11.5	9	9.7	22.7	12.4	9.5	11.8	94.5	12.7 J	52.6 J	18.5 J	11.7 J	30 J
Copper	50	mg/kg	38.1 J	14.4	10.5	23.5	7.5 J	14 J	15.1 J	43.1 J	34.5 J	40.1 J	20.9 J	359 J	29 J
Lead	63	mg/kg	159	8.8 B	3.3 B	7.7 B	5.3 B	3 B	3.8 B	15	70.3	12.2 B	7.3 B	630	9.2 B
Mercury	0.18	mg/kg	0.57	0.062 U	0.053 U	0.056 U	0.049 U	0.05 U	0.054 U	0.067 U	0.069	0.056 U	0.017 B	3	0.061 U
Nickel	30	mg/kg	16.4 J	9.5	8.4	22.4	9 J	9.4 J	11.7 J	53.2 J	19.9 J	48.4 J	14.9 J	21.7 J	29.5 J
Selenium	3.9	mg/kg	15.7 UJ	19.1 UJ	16.3 UJ	19.4 UJ	12.7 UJ	18.3 UJ	16.1 UJ	22.7 UJ	2.3 B	4.1 B	20.7 U	3.4 B	19.7 U
Silver	2	mg/kg	2.9 UJ	3.6 U	3.1 U	3.6 U	2.4 UJ	3.4 UJ	3 UJ	4.2 UJ	3.8 UJ	4.6 UJ	3.9 UJ	4.2 U	3.7 UJ
Thallium	- -	mg/kg	19.6 U	23.9 U	20.4 U	24.3 U	15.9 U	22.8 U	20.1 U	6 B	5.7 BJ	13.5 BJ	7.7 BJ	10.7 BJ	9.1 BJ
Zinc	109	mg/kg	82.3	27.3	37.2	50.5	12.5 B	22.7 B	31	116	53.5	111	34.5	939	57.9
Cyanide															
Cyanide	27	mg/kg	7.62	0.091 J	0.596 UJ	0.65 UJ	0.1 BJ	0.68 UJ	0.579 UJ	0.787 U	0.657 U	0.691 U	0.606 U	0.457 B	0.65 U

See Notes on Page 9.

Table 19b. Summary of Inorganics and Cyanide Detected in Subsurface Soil - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SB-104 49 - 50 07/31/06	SB-105 9 - 10 07/29/06	SB-105 11 - 12 07/29/06	SB-105 16.5 - 17 07/29/06	SB-105 39 - 40 07/29/06	SB-106 8 - 9 07/30/06	SB-106 20 - 21 07/30/06	SB-106 32 - 33 07/30/06	SB-107B 9 - 11 06/20/06	SB-107B 29 - 31 06/20/06	SB-107B 39 - 41 06/20/06	SB-107B 53 - 54 06/20/06
Metals														
Antimony	- -	mg/kg	16.1 UJ	13.6 UJ	12.9 UJ	13.3 UJ	12.9 UJ	13.5 UJ	13.9 UJ	13.9 UJ	13.4 UJ [11.9 UJ]	15.5 UJ	17 UJ	13.4 UJ
Arsenic	13	mg/kg	11 U	5.1 B	6 B	3.9 B	3.9 B	7.7 B	3.4 B	9.5 U	4.5 J [8.2 UJ]	32 J	11.6 UJ	2.2 J
Beryllium	7.2	mg/kg	2.8 U	2.3 U	2.2 U	0.58 BJ	0.76 BJ	2.3 U	2.4 U	2.4 U	2.3 U [2 U]	2.6 U	2.9 U	2.3 U
Cadmium	2.5	mg/kg	4.1 U	3.5 U	3.3 U	3.4 U	3.3 U	3.5 U	3.6 U	3.6 U	3.4 U [3.1 U]	2.8 B	2 B	3.4 U
Chromium	1	mg/kg	12.5 J	12.6 J	15.5 J	21.1 J	30.6 J	13.5 J	23.5 J	20 J	16.9 J [12 J]	54.9 J	9.2 J	20 J
Chromium	30	mg/kg	12.5 J	12.6 J	15.5 J	21.1 J	30.6 J	13.5 J	23.5 J	20 J	16.9 J [12 J]	54.9 J	9.2 J	20 J
Copper	50	mg/kg	16.1 J	169 J	109 J	16.7 J	27.2 J	293 J	21.8 J	23.7 J	38.9 J [11.2 J]	284 J	43.7 J	18 J
Lead	63	mg/kg	3.3 B	171	135	8.5 B	9.5 B	463	7.3 B	5.7 B	235 J [8.9 J]	561 J	8 J	8.8 J
Mercury	0.18	mg/kg	0.052 U	5.2	0.46 U	0.062 U	0.049 U	0.92	0.056 U	0.055 U	0.37 J [0.026 J]	1	0.055 U	0.056 U
Nickel	30	mg/kg	13.4 J	23.2 J	26.7 J	24.1 J	46.5 J	19.7 J	26 J	24.9 J	24.3 J [19.1 J]	30.6 J	12.5 J	26.9 J
Selenium	3.9	mg/kg	2.6 B	18.5 U	17.6 U	18.2 U	17.7 U	2.8 B	19 U	19 U	18.4 UJ [16.3 UJ]	21.2 UJ	23.3 UJ	18.4 UJ
Silver	2	mg/kg	4.1 U	3.5 U	3.3 U	3.4 U	3.3 U	3.5 U	3.6 U	3.6 U	3.4 U [3.1 U]	7.8 J	4.4 U	3.4 U
Thallium	- -	mg/kg	27.6 U	12.5 BJ	14.2 BJ	9.5 BJ	9.6 BJ	9.7 BJ	9.8 BJ	6.4 BJ	6.5 UJ [5 J]	6.9 J	29.1 UJ	6.5 J
Zinc	109	mg/kg	51.4	88.4	91.2	38.4	58.6	271	46.4	43.3	143 J [28.1 J]	626 J	32.7 J	40.3 J
Cyanide														
Cyanide	27	mg/kg	0.618 U	0.598 U	0.6 U	0.635 U	0.649 U	0.588 U	0.644 U	0.68 U	0.597 UJ [0.575 UJ]	0.275 J	0.611 UJ	0.676 UJ

See Notes on Page 9.

Table 19b. Summary of Inorganics and Cyanide Detected in Subsurface Soil - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SB-108 9 - 11 06/19/06	SB-108 34 - 35 06/20/06	SB-108 43 - 45 06/21/06	SB-109 6.5 - 7 06/15/06	SB-109 31 - 33 06/15/06	SB-109 41 - 43 06/16/06	SB-110 7 - 8 06/21/06	SB-110 17 - 19 06/21/06	SB-110 26 - 26.5 06/22/06	SB-110 49 - 51 06/22/06	SB-111B 6 - 9 06/21/06
Metals													
Antimony	- -	mg/kg	13.6 UJ	12.7 UJ	12.4 UJ	15.8 UJ [14.7 UJ]	12.8 UJ	12.7 UJ	11.7 UJ	66.5 UJ	11.9 UJ	13.4 UJ	14.3 UJ
Arsenic	13	mg/kg	2.8 J	4.2 J	8.5 UJ	4.9 J [3.3 J]	2.5 J	3.2 J	5.7 J	45.5 UJ	8.1 UJ	1.5 J	9.1 J
Beryllium	7.2	mg/kg	2.3 U	2.2 U	2.1 U	2.7 U [2.5 U]	2.2 U	2.2 U	2.9	11.4 U	2 U	2.3 U	2.4 U
Cadmium	2.5	mg/kg	3.5 U	3.3 U	3.2 U	4 U [3.8 U]	3.3 U	3.3 U	2.3 B	17.1 U	3 U	3.4 U	1.7 B
Chromium	1	mg/kg	10.1 J	12.4 J	8.9 J	12.3 J [12.2 J]	12.6 J	12.7 J	19.4 J	7 J	7.5 J	16.2 J	30.5 J
Chromium	30	mg/kg	10.1 J	12.4 J	8.9 J	12.3 J [12.2 J]	12.6 J	12.7 J	19.4 J	7 J	7.5 J	16.2 J	30.5 J
Copper	50	mg/kg	18.1 J	9.9 J	6.9 J	17.8 J [15.8 J]	7.9 UJ	18.6 J	150 J	184 J	17.5 J	13.8 J	71.1 J
Lead	63	mg/kg	24 J	7.3 J	9.5 UJ	63.9 J [41.7 J]	8.2 J	1,950 J	78.9 J	303 J	7.1 J	7.8 J	324 J
Mercury	0.18	mg/kg	0.24	0.056 U	0.046 U	0.35 [0.49]	0.038 B	0.055 U	0.2	1.8	0.017 B	0.052 U	0.35
Nickel	30	mg/kg	32.5 J	16.2 J	16.1 J	17.3 [14.7]	14.4	13.2	20 J	37.9 J	10.8 J	25.3 J	29.9 J
Selenium	3.9	mg/kg	18.7 UJ	17.4 UJ	16.9 UJ	21.6 UJ [20.1 UJ]	17.5 UJ	17.4 UJ	15.9 UJ	91 UJ	16.3 UJ	18.3 UJ	19.6 UJ
Silver	2	mg/kg	3.5 U	3.3 U	3.2 U	4 U [3.8 U]	3.3 U	3.3 U	3 U	17.1 U	3 U	3.4 U	3.7 U
Thallium	- -	mg/kg	23.3 UJ	21.8 UJ	21.2 UJ	27 UJ [5.5 J]	21.8 UJ	21.8 UJ	10.9 J	114 UJ	4.7 J	22.8 UJ	10.7 J
Zinc	109	mg/kg	25.2 J	32.9 J	16.3 J	66 J [56.3 J]	34.6 UJ	88.9 J	285 J	99.5 J	21 J	32.9 J	188 J
Cyanide													
Cyanide	27	mg/kg	0.588 UJ	0.61 UJ	0.592 UJ	0.605 UJ [0.637 UJ]	0.655 UJ	0.561 UJ	0.61 UJ	0.664 UJ	0.622 UJ	0.639 UJ	0.661 U

See Notes on Page 9.

Table 19b. Summary of Inorganics and Cyanide Detected in Subsurface Soil - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SB-111B 29 - 31 06/22/06	SB-111B 45 - 45.5 06/22/06	SB-111B 53 - 54 06/22/06	SB-112 5 - 7 06/23/06	SB-112 17 - 18 06/23/06	SB-112 34 - 35 07/27/06	SB-112 54 - 55 07/27/06	SB-113 5 - 7 07/13/06	SB-113 8.5 - 9.5 07/13/06	SB-113 9 - 10 07/27/06	SB-113 14 - 15 07/27/06	SB-113 22 - 23 07/27/06
Metals														
Antimony	- -	mg/kg	20.6 UJ [19.8 UJ]	13.6 UJ	15.9 UJ	15.4 UJ	20 UJ	11.1 UJ	14.9 UJ	R	R	12.1 UJ	9.6 UJ	12.5 UJ
Arsenic	13	mg/kg	12.9 J [8.6 J]	9.3 UJ	10.8 UJ	8 J	8.4 B	1.5 B	10.2 U	9.5 UJ	7.2 UJ	8.3 U	1.9 B	5.5 B
Beryllium	7.2	mg/kg	3.5 U [3.4 U]	2.3 U	2.7 U	2.6 U	3.4 U	1.9 U	2.5 U	2.4 UJ	1.8 UJ	2.1 U	1.6 U	2.1 U
Cadmium	2.5	mg/kg	5.3 U [5.1 U]	3.5 U	4.1 U	3.9 U	5.1 U	2.9 U	3.8 U	3.6 UJ	2.7 UJ	3.1 U	2.5 U	3.2 U
Chromium	1	mg/kg	34.1 J [21.2 J]	8.3 J	12.6 J	13.8 J	18.1	8.4 J	13.8 J	8.2	12.6	6.9 J	11.6 J	12.8 J
Chromium	30	mg/kg	34.1 J [21.2 J]	8.3 J	12.6 J	13.8 J	18.1	8.4 J	13.8 J	8.2	12.6	6.9 J	11.6 J	12.8 J
Copper	50	mg/kg	94 J [79.5 J]	13.8 J	20.8 J	58.2 J	49.8	6.8 J	20 J	4.4 BJ	6.6 J	5.9 J	4.9 J	17.5 J
Lead	63	mg/kg	263 J [191 J]	6.4 J	8.2 J	440 J	478	1.8 B	3.6 B	6.9 B	3.7 B	3.1 BJ	2.9 BJ	8.4 BJ
Mercury	0.18	mg/kg	2.3 [1.8]	0.047 U	0.054 U	0.83	6.6	0.049 U	0.055 U	0.027 B	0.032 B	0.02 B	0.017 B	0.053 U
Nickel	30	mg/kg	33.2 J [19.4 J]	14.1 J	18.2 J	15 J	21.5	13.5 J	16.3 J	6.8 J	7.6 J	7.5 J	6.2 J	19.3 J
Selenium	3.9	mg/kg	3.4 J [27.1 UJ]	18.6 UJ	21.7 UJ	21 UJ	27.3 UJ	2.1 B	20.4 U	19.1 UJ	14.5 UJ	16.5 UJ	13.1 UJ	2.8 BJ
Silver	2	mg/kg	5.3 U [5.1 U]	3.5 U	4.1 U	3.9 U	5.1 U	2.9 U	3.8 U	3.6 UJ	2.7 UJ	3.1 U	2.5 U	3.2 U
Thallium	- -	mg/kg	17.8 J [33.9 UJ]	6 J	7 J	6.1 J	34.2 U	4.2 BJ	25.5 U	23.8 U	18.1 U	20.7 UJ	16.3 UJ	8.5 BJ
Zinc	109	mg/kg	157 J [126 J]	27 J	41.5 J	176 J	163	13.2 B	32.9	15.3 B	11.4 B	11.2 BJ	8.6 BJ	50.8 J
Cyanide														
Cyanide	27	mg/kg	0.917 U [0.901 U]	0.636 U	0.629 U	0.814 U	0.861 UJ	0.59 UJ	0.627 U	0.534 U	0.535 U	0.549 U	0.526 U	0.644 U

See Notes on Page 9.

Table 19b. Summary of Inorganics and Cyanide Detected in Subsurface Soil - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SB-113 34 - 35 07/27/06	SB-115 9 - 10 07/25/06	SB-115 19 - 20 07/25/06	SB-115 23 - 24 07/25/06	SB-115 33 - 34 07/25/06	SB-116 5 - 7 06/13/06	SB-116 14 - 16 06/23/06	SB-116 20 - 20.5 06/23/06	SB-116 38 - 39 06/23/06	SB-117 6 - 8 07/06/06	SB-117 16 - 18 07/06/06
Metals													
Antimony	- -	mg/kg	14.6 UJ	14.3 U	11.6 U	13 U	13.5 U [15.5 U]	12 UJ [10.9 UJ]	17.2 UJ	19.5 UJ	12.2 UJ	11 UJ	17.6 UJ
Arsenic	13	mg/kg	3.2 B	2.9 B	2.6 B	2.6 B	1.8 B [10.6 U]	7.2 B [8]	2.9 B	4.9 B	8.3 U	9.9 J	44.1 J
Beryllium	7.2	mg/kg	2.5 U	2.4 U	0.55 B	2.2 U	2.3 U [2.7 U]	2.1 U [1.9 U]	2.9 U	3.3 U	2.1 U	1.9 U	3 U
Cadmium	2.5	mg/kg	3.7 U	3.7 U	3 U	3.3 U	3.5 U [4 U]	3.1 U [2.8 U]	4.4 U	5 U	3.1 U	1.3 B	18
Chromium	1	mg/kg	23 J	7 N	15.6	11.6	14 [15.6]	8.2 [9.5]	5.5	16	6.9	17.5 J	9 J
Chromium	30	mg/kg	23 J	7 N	15.6	11.6	14 [15.6]	8.2 [9.5]	5.5	16	6.9	17.5 J	9 J
Copper	50	mg/kg	26.3 J	25	32.3	19.7	23 [17.9]	17.9 [17.9]	7.4	15	10.7	429 J	149 J
Lead	63	mg/kg	9.6 BJ	108	54.4	9.1 B	8.2 B [7.2 B]	350 [322]	66.7	19.1	3.6 B	204	924
Mercury	0.18	mg/kg	0.055 U	0.37	0.11	0.065 U	0.068 U [0.068 U]	0.098 [0.12]	0.23	0.15	0.051 U	0.59 J	0.39 J
Nickel	30	mg/kg	28 J	8.4	21	19.2	20.3 [22.8]	6.2 [7.3]	5.4 B	15.9	12.9	54.3 J	13.6 J
Selenium	3.9	mg/kg	2.6 BJ	19.5 U	15.9 U	17.8 U	18.5 U [21.3 U]	16.5 U [14.9 U]	23.5 UJ	26.7 UJ	16.7 UJ	15 U	24.1 U
Silver	2	mg/kg	3.7 U	3.7 U	3 U	3.3 U	3.5 UJ [4 UJ]	3.1 U [2.8 U]	4.4 U	5 U	3.1 U	2.8 UJ	4.5 UJ
Thallium	- -	mg/kg	8.8 BJ	24.4 U	19.8 U	22.3 U	23.1 U [26.6 U]	20.6 U [18.6 U]	29.4 U	33.4 U	20.8 U	18.7 U	30.1 U
Zinc	109	mg/kg	52.3 J	71.8	56.1	53	42 [38.8]	134 J [128 J]	25.2 B	47.3	21.4	157	24,600
Cyanide													
Cyanide	27	mg/kg	0.643 U	0.0765 B	0.575 U	0.65 U	0.676 U [0.68 U]	1.53 J [1.34 J]	0.647 UJ	0.914 UJ	0.62 UJ	0.595 UJ	0.157 J

See Notes on Page 9.

Table 19b. Summary of Inorganics and Cyanide Detected in Subsurface Soil - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SB-117 25.5 - 26 07/06/06	SB-117 34 - 36 07/06/06	SB-118 9 - 11 06/26/06	SB-118 19 - 21 06/26/06	SB-118 23 - 23.5 06/26/06	SB-118 43 - 45 06/26/06	SB-119 7 - 9 06/13/06	SB-119 11 - 13 06/13/06	SB-119 17 - 19 06/13/06	SB-119 37 - 39 06/14/06	SB-120 5 - 7 06/30/06
Metals													
Antimony	- -	mg/kg	10.8 UJ	15.4 UJ [13.3 UJ]	14.2 UJ	11.4 UJ	16 UJ	11.5 UJ	18.3 UJ	15.7 UJ	11.8 UJ	12.9 UJ	16.9 UJ [14.3 UJ]
Arsenic	13	mg/kg	29 J	R [R]	6.5 B	3.5 B	9.7 B	2 B	13.9	5.8 B	6.7 B	3.1 B	8.7 B [7 B]
Beryllium	7.2	mg/kg	1.8 U	2.6 U [2.3 U]	0.68 BJ	1.9 U	0.77 BJ	2 U	3.1 U	2.7 U	2 U	2.2 U	2.9 U [2.4 U]
Cadmium	2.5	mg/kg	4.1	3.9 U [3.4 U]	3.6 U	2.9 U	4.1 U	3 U	4.7 U	4 U	3 U	3.3 U	4.3 U [3.7 U]
Chromium	1	mg/kg	5.9 J	7.1 J [6.8 J]	5.8	12.5	27.1	9.7	17.8	13.3	15.2	14	22.1 [17.8]
Chromium	30	mg/kg	5.9 J	7.1 J [6.8 J]	5.8	12.5	27.1	9.7	17.8	13.3	15.2	14	22.1 [17.8]
Copper	50	mg/kg	66.4 J	6.7 J [21.8 J]	89	33	35.8	19.7	231	65.8	30	20.4	96.7 [81.1]
Lead	63	mg/kg	492	2.5 B [5.9 B]	148	94.5	109	5.2 B	946	567	225	9.9 U	116 [89.4]
Mercury	0.18	mg/kg	0.048 U	0.052 U [0.049 U]	0.25	0.17	0.19	0.055 U	0.55	0.35	0.04 B	0.064 U	0.31 J [0.24 J]
Nickel	30	mg/kg	8.2 J	11.6 J [11.9 J]	7.7	13.6	26.1	15.6	26.9	15.5	17.5	21.3	17.6 [13.7]
Selenium	3.9	mg/kg	1.5 B	21 U [18.2 U]	2.2 B	15.6 U	21.8 U	15.7 U	25 U	21.4 U	16.2 U	17.6 U	23.1 U [19.6 U]
Silver	2	mg/kg	2.8 UJ	3.9 UJ [3.4 UJ]	3.6 U	2.9 U	4.1 U	3 U	4.7 U	4 U	3 U	3.3 U	4.3 U [3.7 U]
Thallium	- -	mg/kg	18.5 U	26.3 U [22.7 U]	24.2 UJ	19.5 UJ	27.3 UJ	19.7 UJ	31.3 U	26.8 U	20.2 U	22 U	28.9 UJ [24.5 UJ]
Zinc	109	mg/kg	7,500	15.1 B [23.7]	64.8 J	32 J	75.8 J	33.9 J	282 J	116 J	49.5 J	42.5 J	85 J [66.2 J]
Cyanide													
Cyanide	27	mg/kg	0.598 UJ	0.595 UJ [0.635 UJ]	0.678 U	0.612 U	0.688 U	0.61 U	0.577 J	0.616 UJ	0.59 UJ	0.642 UJ	1.09 J [0.0813 BJ]

See Notes on Page 9.

Table 19b. Summary of Inorganics and Cyanide Detected in Subsurface Soil - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SB-120 11 - 13 06/30/06	SB-120 17 - 17.5 06/30/06	SB-120 33 - 35 06/30/06	SB-121 9 - 10 07/25/06	SB-121 11 - 12 07/25/06	SB-121 29 - 30 07/25/06	SB-121 39 - 40 07/25/06	SB-122 9 - 10 07/27/06	SB-122 13 - 14 07/27/06	SB-122 20 - 20.5 07/27/06	SB-122 39 - 40 07/27/06
Metals													
Antimony	- -	mg/kg	16.2 UJ	17.2 UJ	13.8 UJ	14.9 U	12.6 U	12.7 U	13 U	16.8 UJ	29.1 UJ	13.6 UJ [12.9 UJ]	11 UJ
Arsenic	13	mg/kg	3.9 B	2.4 B	2.7 B	9 B	7.4 B	3.8 B	8.9 U	44.7	94.7	1.9 B [2.6 B]	1.9 B
Beryllium	7.2	mg/kg	2.8 U	2.9 U	2.4 U	2.6 U	2.2 U	2.2 U	2.2 U	2.9 U	5 U	2.3 U [2.2 U]	1.9 U
Cadmium	2.5	mg/kg	4.2 U	4.4 U	3.5 U	1.7 B	1.2 B	3.3 U	3.3 U	4.3 U	7.5 U	3.5 U [3.3 U]	2.8 U
Chromium	1	mg/kg	12.4	15	13.2	15.3	14.2	12.6	16.5	3.2 BJ	16 J	17.6 J [17.6 J]	11.5 J
Chromium	30	mg/kg	12.4	15	13.2	15.3	14.2	12.6	16.5	3.2 BJ	16 J	17.6 J [17.6 J]	11.5 J
Copper	50	mg/kg	88.4	14.1 U	22.2 U	438	159	22	19.6	4,500 J	25,100 J	18.1 J [18.4 J]	11.9 J
Lead	63	mg/kg	128	9 B	7.3 B	663	1,550	8.9 B	8.2 B	818 J	4,500 J	7.5 BJ [8.3 B]	4.9 BJ
Mercury	0.18	mg/kg	0.4 J	R	R	0.99	0.79	0.066 U	0.063 U	2.4	20.5	0.026 B [0.051 U]	0.052 U
Nickel	30	mg/kg	15.9	15	18.6	25.4	22.4	20.8	31.3	2.8 BJ	22.7 J	18.1 J [19.2 J]	19.3 J
Selenium	3.9	mg/kg	22.2 U	23.6 U	18.9 U	3 B	17.3 U	17.4 U	17.8 U	23 UJ	4.8 BJ	3.1 BJ [17.7 U]	15.1 UJ
Silver	2	mg/kg	4.2 UJ	4.4 U	3.5 U	3.8 UJ	3.2 UJ	3.3 UJ	3.3 UJ	1.3 BJ	12.5 J	3.5 U [3.3 U]	2.8 U
Thallium	- -	mg/kg	27.7 U	29.4 UJ	23.7 UJ	6.9 B	4.9 B	21.7 U	22.3 U	28.8 UJ	12 BJ	6.5 BJ [8.6 BJ]	18.8 UJ
Zinc	109	mg/kg	81.8 J	35.7	40.4 J	393	279	53.6	38.7	107 J	470 J	34.6 J [36.8]	23.6 J
Cyanide													
Cyanide	27	mg/kg	0.66 UJ	0.683 UJ	0.662 UJ	0.0782 B	0.661 U	0.655 U	0.628 U	0.702 U	1.02 U	0.672 U [0.66 U]	0.61 U

See Notes on Page 9.

Table 19b. Summary of Inorganics and Cyanide Detected in Subsurface Soil - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SB-123 5 - 7 06/09/06	SB-123 13 - 15 06/09/06	SB-123 19.5 - 20 06/09/06	SB-123 37 - 39 06/12/06	SB-124 7 - 9 06/02/06	SB-124 15 - 17 06/02/06	SB-124 27 - 27.5 06/02/06	SB-124 37 - 39 06/06/06	SB-125 6 - 7 07/11/06	SB-125 17 - 18 07/11/06	SB-125 30 - 30.5 07/11/06	SB-125 42 - 43 07/11/06	SB-126 9 - 10 02/12/07
Metals															
Antimony	- -	mg/kg	R [R]	1.6 J	R	15.1 UJ	16.5 UJ	17.9 UJ	12.3 UJ	R	0.0132 UJ	14.2 UJ	14.1 UJ	13.6 UJ	0.86 BJ
Arsenic	13	mg/kg	4.8 J [6.5 J]	5.9 J	R	2.1 B	8.9 BJ	10.2 BJ	3.5 BJ	1.7 J	0.009 UJ	9.7 UJ	9.6 UJ	9.3 UJ	2.7
Beryllium	7.2	mg/kg	2 UJ [2.6 UJ]	2.1 UJ	2.5 UJ	2.6 U	2.8 U	3.1 U	2.1 U	2.7 UJ	2.3 U	2.4 U	2.4 U	2.3 U	0.77
Cadmium	2.5	mg/kg	3 UJ [3.9 UJ]	3.2 UJ	3.7 UJ	3.9 U	4.2 U	4.6 U	3.2 U	4 UJ	3.4 U	3.6 U	3.6 U	3.5 U	0.03 B
Chromium	1	mg/kg	11.5 J [14.9 J]	10.7 J	13.6 J	13.5	38.6 J	53.4 J	12 J	13.7 J	9.9 J	6.8 J	10.6 J	17.5 J	22.2
Chromium	30	mg/kg	11.5 J [14.9 J]	10.7 J	13.6 J	13.5	38.6 J	53.4 J	12 J	13.7 J	9.9 J	6.8 J	10.6 J	17.5 J	22.2
Copper	50	mg/kg	521 J [451 J]	250 J	9.3 J	17.3	110	261	8.7	19.5 J	40.4 J	7.8 J	9.6 J	20.8 J	78.1
Lead	63	mg/kg	255 [543]	295	5.8 B	11.6 U	391	671	22.2	6.7 B	589	7 B	3.4 B	7.6 B	154
Mercury	0.18	mg/kg	0.38 J [0.47 J]	0.54 J	0.058 U	0.056 U	0.67	0.91	0.12	0.058 U	1.4 J	0.045 U	0.049 U	0.051 U	0.36
Nickel	30	mg/kg	16.2 J [20.2 J]	16 J	16.1 J	21.5	20.2	21.4	13	22.1 J	15.7 J	24.7 J	35.5 J	25.9 J	17.6
Selenium	3.9	mg/kg	R [R]	R	R	20.6 U	22.5 U	24.5 U	16.8 U	R	18.1 U	19.5 U	19.2 U	18.6 U	R
Silver	2	mg/kg	0.47 J [1.6 J]	0.41 J	3.7 UJ	3.9 U	4.2 U	4.6 U	3.2 U	4 UJ	3.4 UJ	3.6 UJ	3.6 UJ	3.5 UJ	0.63 U
Thallium	- -	mg/kg	R [R]	R	R	25.8 U	28.1 U	30.6 U	21 U	R	22.6 U	24.3 U	24 U	4.9 B	1.3 U
Zinc	109	mg/kg	148 [177]	556	38.6	35.3 J	241 J	226 J	38.3 J	37.1	232	24.3 U	19.7 B	43.6	112
Cyanide															
Cyanide	27	mg/kg	0.604 UJ [0.736 UJ]	0.606 UJ	0.632 UJ	0.619 UJ	0.709 U	0.735 U	0.61 U	0.619 UJ	0.647 UJ	0.608 UJ	0.615 UJ	0.689 UJ	0.16 U

See Notes on Page 9.

Table 19b. Summary of Inorganics and Cyanide Detected in Subsurface Soil - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Sample Depth (feet bgs): Date Collected:	Unrestricted Use SCOs	Units	SB-126 31 - 32 02/12/07	SB-126 46 - 47 02/12/07	SB-126 49 - 50 02/12/07	SB-127 7 - 8 02/12/07	SB-127 48 - 49 02/13/07	SB-127 50 - 51 02/13/07	SB-127 54 - 55 02/13/07	SB-128 8 - 9 02/08/07	SB-128 31 - 32 02/08/07	SB-128 43 - 44 02/08/07	SB-128 49 - 50 02/08/07	SB-129 7 - 8 02/07/07	SB-129 18 - 19 02/07/07	SB-129 33 - 34 02/07/07
Metals																
Antimony	- -	mg/kg	1.6 J	0.22 BJ	0.31 BJ	0.53 BJ	0.34 J	0.65 J	0.58 BJ	0.33 BJ [0.75 BJ]	1.2 BJ	0.31 BJ	0.42 BJ	2.4 J	0.81 BJ	0.25 BJ
Arsenic	13	mg/kg	32.6	4.6	1 B	3.2	1.1 B	3.9	2.9	0.74 B [0.71 B]	10.2	2.2	1.2	9.9	8.3	2.7
Beryllium	7.2	mg/kg	0.97	0.28 B	0.32 B	0.51 B	0.28 B	0.6 B	0.62 B	0.42 B [0.53 B]	0.49 B	0.25 B	0.41 B	0.92	0.65 B	0.26 B
Cadmium	2.5	mg/kg	0.29 B	0.1 B	0.02 U	0.02 U	0.02 U	0.03 U	0.03 U	0.02 U [0.02 U]	0.03 U	0.02 U	0.02 U	0.02 U	0.04 U	0.02 U
Chromium	1	mg/kg	33.7	11.3	15	25.5	9.7	24.6	19.6	18.3 [29.5]	17.5	9	17.4	23.2	34.9	9.9
Chromium	30	mg/kg	33.7	11.3	15	25.5	9.7	24.6	19.6	18.3 [29.5]	17.5	9	17.4	23.2	34.9	9.9
Copper	50	mg/kg	167	21.4	20.2	45.1	9.5	23	24.2	34.9 [38.9]	29.8	5.6	20.8	136	114	6.3
Lead	63	mg/kg	1,520	11.6	4.1	95.4	5.6	5.3	8.6	11.8 [13.2]	1,750	3	5.5	280	239	7.9
Mercury	0.18	mg/kg	7.5	0.034 B	0.019 U	0.27	0.02 U	0.019 U	0.033 B	0.1 [0.15]	0.39	0.018 U	0.02 U	0.62	1.8	0.018 U
Nickel	30	mg/kg	19.9	18.9	17.8	25	17	29.7	22.8	18.1 [26.1]	18.6	13.2	22.8	23.1	26.2	11.6
Selenium	3.9	mg/kg	R	R	R	R	R	R	R	R [R]	R	R	R	R	R	R
Silver	2	mg/kg	1.2	0.04 U	0.05 U	0.04 U	0.05 U	0.05 U	0.05 U	0.05 U [0.04 U]	0.16 B	0.05 U	0.05 U	0.16 B	0.34 B	0.06 B
Thallium	- -	mg/kg	1.5 U	0.37 U	1.2 U	1.3 U	1.2 U	1.6 U	2	0.96 B [1.1 U]	2.1	0.39 U	1.2 U	2.6	1.5 B	1.2
Zinc	109	mg/kg	384	31.1	31.3	94.5	27.5 J	50.9 J	43.3	47.3 [53.1]	54.9	24.6	36.8	77.1	124	21.9
Cyanide																
Cyanide	27	mg/kg	1.1	0.14 U	0.15 U	0.13 U	0.14 U	0.15 U	0.17 U	0.15 U [0.14 U]	0.17 U	0.15 U	0.15 U	0.15 U	0.28 U	0.14 U

See Notes on Page 9.

Table 19b. Summary of Inorganics and Cyanide Detected in Subsurface Soil - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Notes:

J = indicates an estimated value.

U = indicates the constituent was not detected at the PQL. The value preceding the U indicates the PQL.

B = indicates an estimated value between the IDL and the PQL.

N = spike recovery exceeds the upper or lower control limits.

UJ = estimated non-detect.

mg/kg = milligrams per kilogram.

bgs = below ground surface.

IDL = instrument detection limit.

PQL = practical quantitation limit.

NYCRR = New York State Codes Rules and Regulations.

SCOs = Soil Cleanup Objectives according to 6 NYCRR Subpart 375-6 *Remedial Program Soil Cleanup Objectives*.

- - = no SCO exists for the specified compound.

Bolded and shaded values exceed the Unrestricted Use SCOs.

PCBs = polychlorinated biphenyls.

See Notes on Page 1.

Table 20. Summary Statistics for Subsurface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Analyte	Unrestricted Use SCOs (ug/kg)	Minimum Detected Concentration (ug/kg)	Maximum Detected Concentration (ug/kg)	Total Number of Samples	Number Detected	Frequency of Detects	Number Detected Above SCOs	Frequency of Detects Above SCOs
Volatile Organic Compounds								
m/p-Xylenes	--	1.3	1,200,000	102	58	56.86%	--	--
Benzene	60	0.83	270,000	247	123	49.80%	56	21.96%
o-Xylene	--	1.3	560,000	247	53	21.46%	--	--
Ethyl Benzene	1,000	1.4	1,300,000	255	101	39.61%	40	15.69%
Isopropylbenzene	--	1.4	140,000	254	90	35.43%	--	--
Toluene	700	0.84	560,000	254	81	31.89%	26	10.20%
Xylenes (total)	260	2.9	1,600,000	254	40	15.75%	21	15.00%
1,3,5-Trimethylbenzene	8,400	1.1	1,200,000	254	27	10.63%	8	7.84%
Carbon Disulfide	--	0.17	880	254	55	21.65%	--	--
Acetone	50	5	1,400	254	52	20.47%	27	10.93%
Methylene Chloride	50	1.6	170	254	44	17.32%	2	0.79%
Methylcyclohexane	--	5.7	160,000	255	23	9.02%	--	--
Styrene	--	1.4	230,000	253	19	7.51%	--	--
2-Butanone	120	2.9	750	115	18	15.65%	4	1.62%
Cyclohexane	--	2.4	40,000	250	16	6.40%	--	--
Methyl Acetate	--	2	1,100	254	5	1.97%	--	--
Chloromethane	--	25	190	152	3	1.97%	--	--
Tetrachloroethene	1,300	1.5	3.7	254	3	1.18%	--	--
1,1,2-Trichlorotrifluoroethane	--	0.68	0.68	254	1	0.39%	--	--
Bromomethane	--	4.1	4.1	115	1	0.87%	--	--
Chlorobenzene	1,100	7.2	7.2	255	1	0.39%	--	--
Chloroform	370	1.2	1.2	254	1	0.39%	--	--
Dichlorodifluoromethane	--	1.2	1.2	255	1	0.39%	--	--
Methyl tert-butyl Ether	930	1	1	140	1	0.71%	--	--
Total VOCs	--	0.84	4,720,000	255	187	73.33%	--	--
Semi-Volatile Organic Compounds								
Phenanthrene	100,000	42	5,700,000	254	185	72.83%	19	7.48%
Pyrene	100,000	51	2,600,000	254	185	72.83%	18	7.09%
Fluoranthene	100,000	45	2,100,000	254	179	70.47%	16	6.30%
Naphthalene	12,000	38	13,000,000	254	178	70.08%	53	20.87%
Benzo(a)anthracene	1,000	47	1,100,000	254	171	67.32%	96	37.80%
Chrysene	1,000	48	1,000,000	254	170	66.93%	96	37.80%
Benzo(a)pyrene	1,000	38	740,000	254	167	65.75%	94	37.30%
2-Methylnaphthalene	--	40	5,700,000	254	156	61.42%	--	--
Benzo(g,h,i)perylene	100,000	33	320,000	251	154	61.35%	3	1.19%
Anthracene	100,000	51	1,700,000	254	153	60.24%	13	5.12%
Benzo(b)fluoranthene	1,000	38	670,000	251	152	60.56%	88	34.92%
Benzo(k)fluoranthene	800	12	290,000	254	149	58.66%	78	30.95%
Indeno(1,2,3-cd)pyrene	500	40	300,000	254	143	56.30%	78	30.71%
Acenaphthylene	100,000	37	2,200,000	254	140	55.12%	6	2.36%
Fluorene	30,000	38	2,000,000	254	135	53.15%	21	8.27%
Acenaphthene	20,000	54	1,500,000	254	134	52.76%	30	11.81%
1,1-Biphenyl	--	51	730,000	251	84	33.47%	--	--
Dibenz(a,h)anthracene	330	39	25,000	254	83	32.68%	43	17.13%
Dibenzofuran	7,000	41	640,000	254	78	30.71%	20	7.87%
bis(2-Ethylhexyl)phthalate	--	38	5,400	251	63	25.10%	--	--
Carbazole	--	54	410,000	254	59	23.23%	--	--
Di-n-butylphthalate	--	38	21,000	254	16	6.30%	--	--
Benzaldehyde	--	60	19,000	254	14	5.51%	--	--
Acetophenone	--	76	1,200	254	13	5.12%	--	--
Butylbenzylphthalate	--	37	12,000	254	8	3.15%	--	--
2,4-Dinitrotoluene	--	2,700	270,000	254	6	2.36%	--	--
Di-n-octyl phthalate	--	65	5,700	254	4	1.57%	--	--

See Notes on Page 2.

Table 20. Summary Statistics for Subsurface Soil - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Analyte	Unrestricted Use SCOs (ug/kg)	Minimum Detected Concentration (ug/kg)	Maximum Detected Concentration (ug/kg)	Total Number of Samples	Number Detected	Frequency of Detects	Number Detected Above SCOs	Frequency of Detects Above SCOs
Semi-Volatile Organic Compounds (Cont'd.)								
Diethylphthalate	--	48	98	254	2	0.79%	--	--
N-Nitrosodiphenylamine	--	110	790	254	2	0.79%	--	--
Phenol	330	140	540	254	2	0.79%	1	0.39%
p-Cresol	330	520	520	254	1	0.39%	1	0.71%
Caprolatam	--	480	480	254	1	0.39%	--	--
2-Methylphenol	330	240	240	254	1	0.39%	--	--
3-Nitroaniline	--	240	240	254	1	0.39%	--	--
4-Bromophenyl-phenylether	--	170	170	254	1	0.39%	--	--
4-Nitrophenol	--	1,400	1,400	140	1	0.71%	--	--
Dimethylphthalate	--	12	12	254	1	0.39%	--	--
Isophorone	--	130	130	254	1	0.39%	--	--
N-Nitroso-di-n-propylamine	--	750	750	254	1	0.39%	--	--
Total SVOCs	--	45	42,600,000	254	217	85.43%	--	--
Inorganics								
Barium	350,000	10,800	2,510,000	126	112	88.89%	6	5.36%
Chromium	1,000*	3,200	188,000	246	252	102.44%	252	100.00%
Chromium	30,000^	3,200	188,000	112	252	225.00%	25	9.92%
Nickel	30,000	2,800	54,300	140	140	100.00%	13	9.29%
Lead	63,000	1,800	32,700,000	252	249	98.81%	142	56.35%
Zinc	109,000	8,600	24,600,000	252	138	54.76%	34	24.29%
Copper	50,000	4,400	25,100,000	252	137	54.37%	36	25.71%
Arsenic	13,000	394	103,000	140	220	157.14%	24	9.76%
Mercury	180	10	20,500	252	173	68.65%	116	46.40%
Thallium	--	520	17,800	250	60	24.00%	--	--
Cadmium	2,500	30	62,500	140	106	75.71%	13	5.16%
Beryllium	7,200	250	2,900	209	46	22.01%	0	0.00%
Selenium	3,900	390	13,100	244	72	29.51%	6	2.87%
Cyanide	27,000	76.5	270,000	254	58	22.83%	2	0.79%
Antimony	--	220	2,400	135	22	16.30%	--	--
Silver	2,000	60	14,500	140	26	18.57%	5	2.05%
Aroclor-1260	--	19	1,900	114	4	3.51%	--	--
Aroclor-1254	--	31	31	114	1	0.88%	--	--

Notes:

ug/kg = micrograms per kilogram.

NYCRR = New York State Codes Rules and Regulations.

SCOs = Soil Cleanup Objectives according to 6 NYCRR Subpart 375-6 *Remedial Program Soil Cleanup Objectives*.

PCBs = polychlorinated biphenyls.

* - criterion for hexavalent chromium.

^ - criterion for trivalent chromium.

Compounds are ordered by frequency of detection, beginning with the most frequently detected compounds.

**Table 21a. Summary of VOCs Detected in Groundwater - Site Characterization Data, Remedial Investigation,
Former East 11th Street Works, Manhattan, New York**

Sample ID: Date Collected:	NYSDEC_GA	Units	MW-1 10/12/04	MW-2 10/12/04	MW-4 10/12/04	MW-5 10/12/04	MW-6 10/12/04
Volatile Organic Compounds							
1,1,1-Trichloroethane	5	ug/L	0.41 U	0.41 U	0.41 U	0.41 U [0.41 U]	0.41 U
1,1,2,2-Tetrachloroethane	5	ug/L	0.5 U	0.5 U	0.5 U	0.5 U [0.5 U]	0.5 U
1,1,2-Trichloroethane	1	ug/L	0.52 U	0.52 U	0.52 U	0.52 U [0.52 U]	0.52 U
1,1,2-Trichlorotrifluoroethane	5	ug/L	0.69 U	0.69 U	0.69 U	0.69 U [0.69 U]	0.69 U
1,1-Dichloroethane	5	ug/L	0.22 U	0.22 U	0.22 U	0.22 U [0.22 U]	0.22 U
1,1-Dichloroethene	5	ug/L	0.32 U	0.32 U	0.32 U	0.32 U [0.32 U]	0.32 U
1,2,4-Trichlorobenzene	5	ug/L	0.29 U	0.29 U	0.29 U	0.29 U [0.29 U]	0.29 U
1,2-Dibromo-3-Chloropropane	0.04	ug/L	0.94 U	0.94 U	0.94 U	0.94 U [0.94 U]	0.94 U
1,2-Dibromoethane	0.0006	ug/L	0.63 U	0.63 U	0.63 U	0.63 U [0.63 U]	0.63 U
1,2-Dichlorobenzene	3	ug/L	0.37 U	0.37 U	0.37 U	0.37 U [0.37 U]	0.37 U
1,2-Dichloroethane	0.6	ug/L	0.32 U	0.32 U	0.32 U	0.32 U [0.32 U]	0.32 U
1,2-Dichloropropane	1	ug/L	0.63 U	0.63 U	0.63 U	0.63 U [0.63 U]	0.63 U
1,3-Dichlorobenzene	3	ug/L	0.37 U	0.37 U	0.37 U	0.37 U [0.37 U]	0.37 U
1,4-Dichlorobenzene	3	ug/L	0.39 U	0.39 U	0.39 U	0.39 U [0.39 U]	0.39 U
2-Butanone	50 {G}	ug/L	2.8 U	2.8 U	2.8 U	2.8 U [2.8 U]	2.8 U
2-Hexanone	50 {G}	ug/L	0.66 U	0.66 U	0.66 U	0.66 U [0.66 U]	0.66 U
4-Methyl-2-Pentanone	--	ug/L	1.3 U	1.3 U	1.3 U	1.3 U [1.3 U]	1.3 U
Acetone	50 {G}	ug/L	3.3 U	3.3 U	3.3 U	3.3 U [3.3 U]	3.3 U
Benzene	1	ug/L	140	440 D	51	5.7 [0.24 U]	0.24 U
Bromodichloromethane	50 {G}	ug/L	0.35 U	0.35 U	0.35 U	0.35 U [0.35 U]	0.35 U
Bromoform	50 {G}	ug/L	0.25 U	0.25 U	0.25 U	0.25 U [0.25 U]	0.25 U
Bromomethane	5	ug/L	0.78 U	0.78 U	0.78 U	0.78 U [0.78 U]	0.78 U
Carbon Disulfide	60	ug/L	0.39 U	0.39 U	0.39 U	0.39 U [0.39 U]	0.39 U
Carbon Tetrachloride	5	ug/L	0.47 U	0.47 U	0.47 U	0.47 U [0.47 U]	0.47 U
Chlorobenzene	5	ug/L	0.37 U	0.37 U	0.37 U	0.37 U [0.37 U]	0.37 U
Chloroethane	5	ug/L	0.88 U	0.88 U	0.88 U	0.88 U [0.88 U]	0.88 U
Chloroform	7	ug/L	0.58 U	0.58 U	0.58 U	0.58 U [0.58 U]	0.58 U
Chloromethane	5	ug/L	0.68 U	0.68 U	0.68 U	0.68 U [0.68 U]	0.68 U
cis-1,2-Dichloroethene	5	ug/L	0.77 U	0.77 U	0.77 U	0.77 U [0.77 U]	0.77 U
cis-1,3-Dichloropropene	0.4	ug/L	0.15 U	0.15 U	0.15 U	0.15 U [0.15 U]	0.15 U
Cyclohexane	--	ug/L	0.37 U	0.37 U	8.3	0.37 U [0.37 U]	0.37 U
Dibromochloromethane	50 {G}	ug/L	0.38 U	0.38 U	0.38 U	0.38 U [0.38 U]	0.38 U
Dichlorodifluoromethane	5	ug/L	0.33 U	0.33 U	0.33 U	0.33 U [0.33 U]	0.33 U
Ethyl Benzene	5	ug/L	160 D	910 D	0.81 J	0.41 U [0.41 U]	0.41 U
Isopropylbenzene	5	ug/L	54	94	2.1 J	0.33 U [0.33 U]	0.33 U
m/p-Xylenes	--	ug/L	81	200	2.9 J	3.1 J [0.96 U]	1.1 J
Methyl Acetate	--	ug/L	0.83 U	0.83 U	0.83 U	0.83 U [0.83 U]	0.83 U
Methyl Tertiary-Butyl Ether	10	ug/L	0.36 U	0.36 U	0.36 U	0.36 U [0.36 U]	0.36 U
Methylcyclohexane	--	ug/L	2.9 J	0.58 U	5.2	0.58 U [0.58 U]	0.58 U
Methylene Chloride	5	ug/L	0.62 U	0.62 U	0.62 U	0.62 U [0.62 U]	0.62 U
o-Xylene	5	ug/L	36	300 D	1.6 J	2.1 J [0.37 U]	0.37 U
Styrene	5	ug/L	0.34 U	0.34 U	0.34 U	0.34 U [0.34 U]	0.34 U
trans-1,3-Dichloropropene	0.4	ug/L	0.42 U	0.42 U	0.42 U	0.42 U [0.42 U]	0.42 U
Tetrachloroethene	5	ug/L	0.33 U	0.33 U	0.33 U	0.33 U [0.33 U]	0.33 U
Toluene	5	ug/L	6.4	66	3.3 J	1.3 J [0.39 U]	1.5 J
trans-1,2-Dichloroethene	5	ug/L	0.51 U	0.51 U	0.51 U	0.51 U [0.51 U]	0.51 U
Trichloroethene	5	ug/L	0.67 U	0.67 U	0.67 U	0.67 U [0.67 U]	0.67 U
Trichlorofluoromethane	5	ug/L	0.58 U	0.58 U	0.58 U	0.58 U [0.58 U]	0.58 U
Vinyl Chloride	2	ug/L	0.27 U	0.27 U	0.27 U	0.27 U [0.27 U]	0.27 U
Total VOCs	--	ug/L	480 J	2,010	75.2 J	12.2 J [ND]	2.6 J

Notes:

{G} = indicates a guidance value.

D = compounds analyzed at a dilution.

J = indicates an estimated value.

ND = not detected.

U = indicates the constituent was not detected at the PQL. The value preceding the U indicates the PQL.

ug/L = micrograms per liter.

-- = no criterion exists for the specified compound.

PQL = practical quantitation limit.

Bolded and shaded values exceed the New York State Technical and Operational Guidance Class GA Standards or Guidance

Values, June 1998.

NYSDEC = New York State Department of Environmental Conservation.

Table 21b. Summary of VOCs Detected in Groundwater - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Date Collected:	NYSDEC_GA	Units	MW-2 08/31/06	MW-4 08/28/06	MW-6 08/31/06	MW-103A 08/30/06	MW-104B 08/30/06	MW-105A 08/30/06	MW-106A 08/30/06	MW-107A 08/31/06	MW-107B 08/31/06	MW-111A 08/31/06	MW-115A 08/30/06	MW-121A 08/29/06	MW-121B 08/29/06	MW-122A 08/28/06
Volatile Organic Compounds																
1,1,1-Trichloroethane	5	ug/L	5 U	2 U	1 U	1 U	10 U	1 U [1 U]	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	ug/L	5 U	2 U	1 U	1 U	10 U	1 U [1 U]	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	ug/L	5 U	2 U	1 U	1 U	10 U	1 U [1 U]	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane	5	ug/L	5 U	2 U	1 U	1 U	10 U	1 U [1 U]	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	ug/L	5 U	2 U	1 U	1 U	10 U	1 U [1 U]	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	ug/L	5 U	2 U	1 U	1 U	10 U	1 U [1 U]	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	5	ug/L	150	0.34 J	1 U	0.31 J	40	0.79 J [0.66 J]	1 U	0.33 J	65	0.15 J	0.93 J	1 U	1 U	0.19 J
1,2-Dibromo-3-Chloropropane	0.04	ug/L	10 U	4 U	2 U	2 U	20 U	2 U [2 U]	2 U	2 U	10 U	2 U	2 U	2 U	2 U	2 U
1,2-Dibromoethane	0.0006	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	3	ug/L	5 U	2 U	1 U	1 U	10 U	1 U [1 U]	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	ug/L	5 U	2 U	1 U	1 U	10 U	1 U [1 U]	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	ug/L	5 U	2 U	1 U	1 U	10 U	1 U [1 U]	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	5	ug/L	3.7 J	2 U	1 U	0.18 J	11	0.16 J [1 U]	1 U	0.15 J	12	1 U	0.26 J	1 U	1 U	1 U
1,3-Dichlorobenzene	3	ug/L	5 U	2 U	1 U	1 U	10 U	1 U [1 U]	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	ug/L	5 U	2 U	1 U	1 U	10 U	1 U [1 U]	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	50 {G}	ug/L	4.2 J	10 UJ	5 UJ	5 UJ	50 UJ	5 UJ [5 UJ]	5 UJ	5 UJ	25 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
2-Hexanone	50 {G}	ug/L	25 UJ	10 UJ	5 UJ	5 UJ	50 UJ	5 UJ [5 UJ]	5 UJ	5 UJ	25 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
4-Methyl-2-Pentanone	--	ug/L	25 UJ	10 UJ	5 UJ	5 UJ	50 UJ	5 UJ [5 UJ]	5 UJ	5 UJ	25 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Acetone	50 {G}	ug/L	25 UJ	10 UJ	5 UJ	9.1 J	50 UJ	5 UJ [5 UJ]	5 UJ	5 UJ	25 UJ	5 UJ	5 UJ	5 UJ	5 UJ	6 J
Benzene	1	ug/L	270	110	1 U	20	470	1.6 [1.4]	2.8	0.15 J	360	0.3 J	97	1 U	1 U	1.4
Bromodichloromethane	50 {G}	ug/L	5 U	2 U	1 U	1 U	10 U	1 U [1 U]	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50 {G}	ug/L	5 UJ	2 UJ	1 UJ	1 UJ	10 UJ	1 UJ [1 UJ]	1 UJ	1 UJ	5 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
Bromomethane	5	ug/L	15 U	6 UJ	3 U	3 U	30 U	3 U [3 U]	3 U	3 U	15 U	3 U	3 UJ	3 UJ	3 U	3 UJ
Carbon Disulfide	60	ug/L	5 U	2 U	1 U	1 U	10 U	1 U [1 U]	1 U	1 U	5 U	1 U	0.5 J	1 U	1 U	1 U
Carbon Tetrachloride	5	ug/L	5 U	2 U	1 U	1 U	10 U	1 U [1 U]	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	ug/L	5 U	2 U	1 U	1 U	10 U	1 U [1 U]	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	ug/L	15 UJ	6 U	3 UJ	3 UJ	30 UJ	3 UJ [3 UJ]	3 UJ	3 UJ	15 UJ	3 UJ	3 U	3 U	3 U	3 U
Chloroform	7	ug/L	5 U	2 U	1 U	0.73 J	1.9 J	1 U [1 U]	1 U	0.3 J	5 U	1 U	1 U	1 U	0.16 J	1 U
Chloromethane	5	ug/L	5 U	2 U	1 U	1 U	10 U	1 U [1 U]	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	ug/L	5 U	2 U	1 U	1 U	10 U	1 U [1 U]	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4	ug/L	5 U	2 U	1 U	1 U	10 U	1 U [1 U]	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
Cyclohexane	--	ug/L	5 U	5.5	1 U	1 U	2.1 J	1 U [1 U]	0.33 J	1 U	5 U	1.6	3	1 U	1 U	1 U
Dibromochloromethane	50 {G}	ug/L	5 U	2 U	1 U	1 U	10 U	1 U [1 U]	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
Dibromomethane	5	ug/L	5 U	2 U	1 U	1 U	10 U	1 U [1 U]	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	ug/L	5 U	2 UJ	1 UJ	1 U	10 U	1 UJ [1 UJ]	1 UJ	1 UJ	5 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ
Ethyl Benzene	5	ug/L	420	2 U	1 U	0.61 J	56	4.2 [3.7]	1 U	0.31 J	190	1 U	1.6	1 U	1 U	1 U
Isopropylbenzene	5	ug/L	49	2.3	1 U	1 U	24	4.2 [3.9]	1 U	1 U	28	3.9	15	1 U	1 U	1 U
Methyl Acetate	--	ug/L	5 U	2 U	1 U	0.18 J	7.4 J	1 U [1 U]	1 U	1 U	5 U	1 U	1 U	1 U	1 U	0.37 J
Methyl Tertiary-Butyl Ether	10	ug/L	5 U	2 U	1 U	1 U	10 U	1 U [1 U]	0.34 J	1 U	5 U	0.14 J	1 U	1 U	1 U	1 U
Methylcyclohexane	--	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Page 4.

Table 21b. Summary of VOCs Detected in Groundwater - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Date Collected:	NYSDEC_GA	Units	MW-2 08/31/06	MW-4 08/28/06	MW-6 08/31/06	MW-103A 08/30/06	MW-104B 08/30/06	MW-105A 08/30/06	MW-106A 08/30/06	MW-107A 08/31/06	MW-107B 08/31/06	MW-111A 08/31/06	MW-115A 08/30/06	MW-121A 08/29/06	MW-121B 08/29/06	MW-122A 08/28/06
Volatile Organic Compounds																
Methylene Chloride	5	ug/L	10 U	4 U	2 U	0.98 J	15 J	2 U [2 U]	2 U	2 U	10 U	2 U	2 U	2 U	2 U	2 U
Styrene	5	ug/L	5 U	2 U	1 U	0.22 J	10 U	0.22 J [1 U]	1 U	1 U	1.9 J	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4	ug/L	5 UJ	2 UJ	1 UJ	1 UJ	10 UJ	1 UJ [1 UJ]	1 UJ	1 UJ	5 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
Tetrachloroethene	5	ug/L	5 U	2 U	1 U	1 U	10 U	1 U [1 U]	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	ug/L	10	0.46 J	1 U	5.3	2.4 J	0.16 J [1 U]	1 U	1 U	75	1 U	2.2	1 U	1 U	0.78 J
trans-1,2-Dichloroethene	5	ug/L	5 U	2 U	1 U	1 U	10 U	1 U [1 U]	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	ug/L	5 U	2 U	1 U	1 U	10 U	1 U [1 U]	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	5	ug/L	5 UJ	2 U	1 U	1 UJ	10 UJ	1 U [1 U]	1 U	1 U	5 UJ	1 UJ	1 U	1 U	1 U	1 U
Vinyl Chloride	2	ug/L	5 U	2 U	1 U	1 U	10 U	1 U [1 U]	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
Xylenes (total)	5	ug/L	120	1.7 J	1 U	1.8	35	0.71 J [0.63 J]	0.37 J	0.42 J	150	0.52 J	7.1	1 U	1 U	1 U
Total VOCs	- -	ug/L	1,030 J	120 J	ND	39.4 J	665 J	12 J [10.3 J]	3.84 J	1.66 J	882 J	6.61 J	128 J	ND	0.16 J	8.74 J

See Notes on Page 4.

Table 21b. Summary of VOCs Detected in Groundwater - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Date Collected:	NYSDEC_GA	Units	MW-122B 08/28/06	MW-125A 08/29/06	MW-125B 08/29/06	MW-127A 03/05/07	MW-127B 03/05/07	MW-128A 03/05/07	MW-128B 03/05/07	MW-130A 03/05/07	MW-130B 03/05/07
Volatile Organic Compounds											
1,1,1-Trichloroethane	5	ug/L	1 U	1 U	1 U	5 U	5 U	5 UJ [5 UJ]	5 U	5 U	5 UJ
1,1,2,2-Tetrachloroethane	5	ug/L	1 U	1 U	1 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U
1,1,2-Trichloroethane	1	ug/L	1 U	1 U	1 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U
1,1,2-Trichlorotrifluoroethane	5	ug/L	1 U	1 U	1 U	5 U	5 U	5 UJ [5 UJ]	5 U	5 U	5 UJ
1,1-Dichloroethane	5	ug/L	1 U	1 U	1 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U
1,1-Dichloroethene	5	ug/L	1 U	1 U	1 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U
1,2,4-Trichlorobenzene	5	ug/L	NA	NA	NA	5 U	5 U	5 U [5 U]	5 U	5 U	5 U
1,2,4-Trimethylbenzene	5	ug/L	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-Chloropropane	0.04	ug/L	2 U	2 U	2 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U
1,2-Dibromoethane	0.0006	ug/L	NA	NA	NA	5 U	5 U	5 U [5 U]	5 U	5 U	5 U
1,2-Dichlorobenzene	3	ug/L	1 U	1 U	1 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U
1,2-Dichloroethane	0.6	ug/L	1 U	1 U	1 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U
1,2-Dichloropropane	1	ug/L	1 U	1 U	1 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U
1,3,5-Trimethylbenzene	5	ug/L	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	3	ug/L	1 U	1 U	1 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U
1,4-Dichlorobenzene	3	ug/L	1 U	1 U	1 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U
2-Butanone	50 {G}	ug/L	5 UJ	5 UJ	5 UJ	13 U	13 U	13 U [13 U]	13 U	13 U	13 U
2-Hexanone	50 {G}	ug/L	5 UJ	5 UJ	5 UJ	13 U	13 U	13 UJ [13 UJ]	13 U	13 U	13 UJ
4-Methyl-2-Pentanone	--	ug/L	5 UJ	5 UJ	5 UJ	13 U	13 U	13 UJ [13 UJ]	13 U	13 U	13 UJ
Acetone	50 {G}	ug/L	5 U	5 UJ	5 UJ	9.8 J	10 J	13 U [13 U]	13 U	13 U	6.1 J
Benzene	1	ug/L	1.1	1 U	1 U	23	7,900 D	3.8 J [3 J]	670 D	13	130
Bromodichloromethane	50 {G}	ug/L	1 U	1 U	1 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U
Bromoform	50 {G}	ug/L	1 UJ	1 UJ	1 UJ	5 U	5 U	5 U [5 U]	5 U	5 U	5 U
Bromomethane	5	ug/L	3 UJ	3 UJ	3 UJ	5 U	5 U	5 U [5 U]	5 U	5 U	5 U
Carbon Disulfide	60	ug/L	1 U	1 U	1 U	2.3 J	1.2 J	5 UJ [5 UJ]	3.7 J	3.5 J	5 UJ
Carbon Tetrachloride	5	ug/L	1 U	1 U	1 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U
Chlorobenzene	5	ug/L	1 U	1 U	1 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U
Chloroethane	5	ug/L	3 U	3 U	3 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U
Chloroform	7	ug/L	0.25 J	1 U	0.18 J	5 U	8.7	5 U [5 U]	1.3 J	5 U	2.6 J
Chloromethane	5	ug/L	1 U	1 U	1 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U
cis-1,2-Dichloroethene	5	ug/L	1 U	1 U	1 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U
cis-1,3-Dichloropropene	0.4	ug/L	1 U	1 U	1 U	5 U	5 U	5 UJ [5 UJ]	5 U	5 U	5 UJ
Cyclohexane	--	ug/L	2.4	1 U	1 U	5 U	5 U	5 U [5 UJ]	3.5 J	5 U	5 UJ
Dibromochloromethane	50 {G}	ug/L	1 U	1 U	1 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U
Dibromomethane	5	ug/L	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	5	ug/L	1 UJ	1 UJ	1 UJ	5 U	5 U	5 UJ [5 UJ]	5 U	5 U	5 UJ
Ethyl Benzene	5	ug/L	1 U	1 U	1 U	60	2,900 D	15 [12]	110 D	110	26
Isopropylbenzene	5	ug/L	1 U	1 U	1 U	5.5	38	2.2 J [2.3 J]	70	7.8	13
Methyl Acetate	--	ug/L	1 U	0.21 J	0.21 J	5 U	5 U	5 U [5 U]	5 U	5 U	5 U
Methyl Tertiary-Butyl Ether	10	ug/L	0.29 J	0.36 J	1 U	5 U	5 U	R [R]	5 U	5 U	R
Methylcyclohexane	--	ug/L	NA	NA	NA	5 U	5.5 J	5 U [5 U]	4.3 J	5 U	5 U

See Notes on Page 4.

Table 21b. Summary of VOCs Detected in Groundwater - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Date Collected:	NYSDEC_GA	Units	MW-122B 08/28/06	MW-125A 08/29/06	MW-125B 08/29/06	MW-127A 03/05/07	MW-127B 03/05/07	MW-128A 03/05/07	MW-128B 03/05/07	MW-130A 03/05/07	MW-130B 03/05/07
Volatile Organic Compounds											
Methylene Chloride	5	ug/L	2 U	2 U	2 U	5 U	5 U	5 U [5 U]	5 U	5 U	0.85 J
Styrene	5	ug/L	1 U	1 U	1 U	5 U	520 D	5 U [5 U]	5 U	5 U	5 U
trans-1,3-Dichloropropene	0.4	ug/L	1 UJ	1 UJ	1 UJ	5 U	5 U	5 UJ [5 UJ]	5 U	5 U	5 UJ
Tetrachloroethene	5	ug/L	1 U	1 U	1 U	5 U	5 U	5 UJ [5 UJ]	5 U	5 U	5 UJ
Toluene	5	ug/L	1 U	1 U	1 U	46	9,300 DJ	3.5 J [2.4 J]	48	39	2.4 J
trans-1,2-Dichloroethene	5	ug/L	1 U	1 U	1 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U
Trichloroethene	5	ug/L	1 U	1 U	1 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U
Trichlorofluoromethane	5	ug/L	1 U	1 U	1 U	5 U	5 U	5 UJ [5 UJ]	5 U	5 U	5 UJ
Vinyl Chloride	2	ug/L	1 U	1 U	1 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U
Xylenes (total)	5	ug/L	1 U	1 U	1 U	79 J	3,900 D	19 J [15 J]	440 J	140 J	29 J
Total VOCs	- -	ug/L	4.04 J	0.57 J	0.39 J	226 J	24,600 J	43.5 J [34.7 J]	1,350 J	313 J	210 J

See Notes on Page 4.

Table 21b. Summary of VOCs Detected in Groundwater - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Notes:

G = indicates a guidance value.

D = compounds analyzed at a dilution.

J = indicates an estimated value.

ND = not detected.

NA = not analyzed.

U = indicates the constituent was not detected at the PQL. The value preceding the U indicates the PQL.

UJ = estimated non-detect.

R = rejected.

ug/L = micrograms per liter.

- = no criterion exists for the specified compound.

PQL = practical quantitation limit.

Bolded and shaded values exceed the New York State Technical and Operational Guidance Class GA Standards or Guidance Values, June 1998.

NYSDEC = New York State Department of Environmental Conservation.

See Notes on Page 1.

**Table 22a. Summary of SVOCs Detected in Groundwater - Site Characterization Data, Remedial Investigation,
Former East 11th Street Works, Manhattan, New York**

Sample ID: Date Collected:	NYSDEC_GA	Units	MW-1 10/12/04	MW-2 10/12/04	MW-4 10/12/04	MW-5 10/12/04	MW-6 10/12/04
Semi-Volatile Organic Compounds							
1,1-Biphenyl	5	ug/L	3.4 J	19	0.27 U	0.27 U [0.27 U]	0.27 U
2,2-oxybis(1-Chloropropane)	5	ug/L	0.84 U	0.83 U	0.85 U	0.84 U [0.83 U]	0.83 U
2,4,5-Trichlorophenol	1	ug/L	0.59 U	0.58 U	0.59 U	0.59 U [0.58 U]	0.58 U
2,4,6-Trichlorophenol	1	ug/L	0.29 U	0.28 U	0.29 U	0.29 U [0.28 U]	0.28 U
2,4-Dichlorophenol	1	ug/L	0.29 U	0.29 U	0.29 U	0.29 U [0.29 U]	0.29 U
2,4-Dimethylphenol	1	ug/L	0.47 U	0.46 U	0.47 U	0.47 U [0.46 U]	0.46 U
2,4-Dinitrophenol	1	ug/L	0.19 U	0.19 U	0.19 U	0.19 U [0.19 U]	0.19 U
2,4-Dinitrotoluene	5	ug/L	0.34 U	0.34 U	0.34 U	0.34 U [0.34 U]	0.34 U
2,6-Dinitrotoluene	5	ug/L	0.42 U	0.41 U	0.42 U	0.42 U [0.41 U]	0.41 U
2-Chloronaphthalene	10 {G}	ug/L	0.39 U	0.39 U	0.39 U	0.39 U [0.39 U]	0.39 U
2-Chlorophenol	1	ug/L	0.73 U	0.73 U	0.74 U	0.73 U [0.73 U]	0.73 U
2-Methylnaphthalene	--	ug/L	8.1 J	150 D	0.51 U	0.5 U [0.5 U]	0.5 U
2-Methylphenol	1	ug/L	1.1 U	1.1 U	1.2 U	1.1 U [1.1 U]	1.1 U
2-Nitroaniline	5	ug/L	0.3 U	0.3 U	0.3 U	0.3 U [0.3 U]	0.3 U
2-Nitrophenol	1	ug/L	0.27 U	0.27 U	0.27 U	0.27 U [0.27 U]	0.27 U
3,3-Dichlorobenzidine	5	ug/L	1.6 U	1.6 U	1.6 U	1.6 U [1.6 U]	1.6 U
3+4-Methylphenols	--	ug/L	1.1 U	1.1 U	1.1 U	1.1 U [1.1 U]	1.1 U
3-Nitroaniline	5	ug/L	1.1 U	1 U	1.1 U	1.1 U [1.7 J]	1 U
4,6-Dinitro-2-methylphenol	1	ug/L	1.5 U	1.4 U	1.5 U	1.5 U [1.4 U]	1.4 U
4-Bromophenyl-phenylether	--	ug/L	0.17 U	0.17 U	0.17 U	0.17 U [0.17 U]	0.17 U
4-Chloro-3-methylphenol	1	ug/L	0.3 U	0.3 U	0.31 U	0.3 U [0.3 U]	0.3 U
4-Chloroaniline	5	ug/L	4.1 U	4.1 U	4.2 U	4.1 U [4.1 U]	4.1 U
4-Chlorophenyl-phenylether	--	ug/L	0.37 U	0.36 U	0.37 U	0.37 U [0.36 U]	0.36 U
4-Nitroaniline	5	ug/L	0.84 U	0.83 U	0.85 U	0.84 U [0.83 U]	0.83 U
4-Nitrophenol	1	ug/L	0.95 U	0.94 U	0.96 U	0.95 U [0.94 U]	0.94 U
Acenaphthene	20 {G}	ug/L	5.3 J	26	0.24 U	8.6 J [21]	0.24 U
Acenaphthylene	--	ug/L	0.44 U	1.4 J	0.44 U	1.8 J [3.6 J]	0.43 U
Acetophenone	--	ug/L	0.56 U	0.55 U	0.56 U	0.56 U [0.55 U]	0.55 U
Anthracene	50 {G}	ug/L	1.1 J	1.9 J	0.16 U	1.8 J [30]	0.16 U
Atrazine	7.5	ug/L	0.48 U	0.48 U	0.49 U	0.48 U [0.48 U]	0.48 U
Benzaldehyde	--	ug/L	1.7 U	1.7 U	1.8 U	1.7 U [1.7 U]	1.7 U
Benzo(a)anthracene	0.002 {G}	ug/L	0.23 U	0.22 U	0.23 U	3.6 J [16]	0.22 U
Benzo(a)pyrene	*	ug/L	0.45 U	0.45 U	0.46 U	0.45 U [7.9 J]	0.45 U
Benzo(b)fluoranthene	0.002 {G}	ug/L	0.23 U	0.23 U	0.24 U	1.9 J [7.2 J]	0.23 U
Benzo(g,h,i)perylene	--	ug/L	0.43 U	0.42 U	0.43 U	0.43 U [0.42 U]	0.42 U
Benzo(k)fluoranthene	0.002 {G}	ug/L	0.39 U	0.38 U	0.39 U	0.39 U [4.2 J]	0.38 U
bis(2-Chloroethoxy)methane	5	ug/L	0.45 U	0.44 U	0.45 U	0.45 U [0.44 U]	0.44 U
bis(2-Chloroethyl)ether	1	ug/L	0.33 U	0.33 U	0.33 U	0.33 U [0.33 U]	0.33 U
bis(2-Ethylhexyl)phthalate	5	ug/L	0.35 U	0.34 U	0.35 U	0.35 U [0.34 U]	0.34 U
Butylbenzylphthalate	50 {G}	ug/L	0.3 U	0.3 U	0.3 U	0.3 U [0.3 U]	0.3 U
Caprolatam	--	ug/L	0.51 U	0.51 U	0.52 U	0.51 U [0.51 U]	0.51 U
Carbazole	--	ug/L	1.8 J	1.6 J	0.31 U	0.31 U [2.9 J]	0.31 U
Chrysene	0.002 {G}	ug/L	0.39 U	0.38 U	0.39 U	3.5 J [14]	0.38 U
Dibenz(a,h)anthracene	--	ug/L	0.29 U	0.29 U	0.3 U	0.29 U [0.29 U]	0.29 U
Dibenzofuran	--	ug/L	1.1 J	2.2 J	0.32 U	0.32 U [9.9 J]	0.31 U
Diethylphthalate	50 {G}	ug/L	0.34 U	0.34 U	0.35 U	0.34 U [0.34 U]	0.34 U
Dimethylphthalate	50 {G}	ug/L	0.26 U	0.26 U	0.26 U	0.26 U [0.26 U]	0.26 U
Di-n-butylphthalate	50	ug/L	0.099 U	0.098 U	0.1 U	0.099 U [0.098 U]	0.098 U
Di-n-octyl phthalate	50 {G}	ug/L	0.17 U	0.17 U	0.18 U	0.17 U [0.17 U]	0.17 U
Fluoranthene	50 {G}	ug/L	0.21 U	0.21 U	0.21 U	12 [51]	0.21 U
Fluorene	50 {G}	ug/L	4.1 J	15	0.18 U	0.17 U [21]	0.17 U
Hexachlorobenzene	0.04	ug/L	0.23 U	0.23 U	0.24 U	0.23 U [0.23 U]	0.23 U
Hexachlorobutadiene	0.5	ug/L	0.38 U	0.38 U	0.38 U	0.38 U [0.38 U]	0.38 U
Hexachlorocyclopentadiene	5	ug/L	0.46 U	0.45 U	0.46 U	0.46 U [0.45 U]	0.45 U
Hexachloroethane	5	ug/L	0.92 U	0.91 U	0.93 U	0.92 U [0.91 U]	0.91 U
Indeno(1,2,3-cd)pyrene	0.002 {G}	ug/L	0.29 U	0.29 U	0.3 U	0.29 U [3.1 J]	0.29 U
Isophorone	50 {G}	ug/L	0.48 U	0.48 U	0.49 U	0.48 U [0.48 U]	0.48 U
Naphthalene	10 {G}	ug/L	0.27 U	790 D	0.27 U	0.27 U [0.27 U]	0.27 U

See Notes on Page 2.

Table 22a. Summary of SVOCs Detected in Groundwater - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Date Collected:	NYSDEC_GA	Units	MW-1 10/12/04	MW-2 10/12/04	MW-4 10/12/04	MW-5 10/12/04	MW-6 10/12/04
Semi-Volatile Organic Compounds							
See Notes on Page 2.							
Nitrobenzene	0.4	ug/L	0.38 U	0.38 U	0.38 U	0.38 U [0.38 U]	0.38 U
N-Nitroso-di-n-propylamine	- -	ug/L	0.77 U	0.77 U	0.78 U	0.77 U [0.77 U]	0.77 U
N-Nitrosodiphenylamine	50 {G}	ug/L	0.28 U	0.28 U	0.29 U	0.28 U [0.28 U]	0.28 U
Pentachlorophenol	1	ug/L	0.39 U	0.39 U	0.4 U	0.39 U [0.39 U]	0.39 U
Phenanthrene	50 {G}	ug/L	4.4 J	12	0.28 U	1.5 J [67]	0.27 U
Phenol	1	ug/L	0.43 U	0.43 U	0.44 U	0.43 U [0.43 U]	0.43 U
Pyrene	50 {G}	ug/L	0.25 U	0.25 U	0.25 U	14 [68]	0.25 U
Total SVOCs	- -	ug/L	29.3 J	1,020 J	ND	48.7 J [329 J]	ND

Notes:

{G} = indicates a guidance value.

D = compounds analyzed at a dilution.

J = indicates an estimated value.

ND = not detected

U = indicates the constituent was not detected at the PQL. The value preceding the U indicates the PQL.

ug/L = micrograms per liter.

* = a non-detectable concentration by the approved analytical methods referenced in section 700.3.

- - = no criterion exists for the specified compound.

PQL = practical quantitation limit.

Bolded and shaded values exceed the New York State Technical and Operational Guidance Class GA Standards or Guidance Values, June 1998.

NYSDEC = New York State Department of Environmental Conservation.

Table 22b. Summary of SVOCs Detected in Groundwater - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Date Collected:	NYSDEC_GA	Units	MW-2 08/31/06	MW-4 08/28/06	MW-6 08/31/06	MW-103A 08/30/06	MW-104B 08/30/06	MW-105A 08/30/06	MW-106A 08/30/06	MW-107A 08/31/06	MW-107B 08/31/06	MW-111A 08/31/06	MW-115A 08/30/06	MW-121A 08/29/06
Semi-Volatile Organic Compounds														
1,1-Biphenyl	5	ug/L	9 J	13 UJ	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	11 J	10 U	10 U	11 UJ
2,2-oxybis(1-Chloropropane)	5	ug/L	11 U	13 U	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	10 U	11 U
2,4,5-Trichlorophenol	1	ug/L	56 U	66 UJ	50 U	50 U	1,200 U	50 U [54 U]	50 U	63 U	540 U	50 U	50 U	55 UJ
2,4,6-Trichlorophenol	1	ug/L	11 U	13 U	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	10 U	11 U
2,4-Dichlorophenol	1	ug/L	11 U	13 U	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	10 U	11 U
2,4-Dimethylphenol	1	ug/L	1 J	13 U	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	10 U	11 U
2,4-Dinitrophenol	1	ug/L	56 UJ	66 UJ	50 UJ	50 UJ	1,200 U	50 UJ [54 UJ]	50 UJ	63 UJ	540 U	50 U	50 UJ	55 UJ
2,4-Dinitrotoluene	5	ug/L	11 U	13 U	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	10 U	11 U
2,6-Dinitrotoluene	5	ug/L	11 U	13 U	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	10 U	11 U
2-Chloronaphthalene	10 {G}	ug/L	11 U	13 UJ	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	10 U	11 UJ
2-Chlorophenol	1	ug/L	11 U	13 U	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	10 U	11 U
2-Methylnaphthalene	--	ug/L	11 U	13 U	10 U	10 U	260	10 U [11 U]	10 U	2 J	42 J	10 U	10 U	11 U
2-Methylphenol	1	ug/L	11 U	13 U	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	10 U	11 U
2-Nitroaniline	5	ug/L	56 U	66 U	50 U	50 U	1,200 U	50 U [54 U]	50 U	63 U	540 U	50 U	50 U	55 U
2-Nitrophenol	1	ug/L	11 U	13 U	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	10 U	11 U
3,3-Dichlorobenzidine	5	ug/L	22 U	26 U	20 U	20 U	500 U	20 U [22 U]	20 U	25 U	220 U	20 U	20 U	22 U
3-Nitroaniline	5	ug/L	56 U	66 U	50 U	50 U	1,200 U	50 U [54 U]	50 U	63 U	540 U	50 U	50 U	55 U
4,6-Dinitro-2-methylphenol	1	ug/L	56 U	66 UJ	50 U	50 U	1,200 U	50 U [54 U]	50 U	63 U	540 U	50 U	50 U	55 UJ
4-Bromophenyl-phenylether	--	ug/L	11 U	13 U	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	10 U	11 U
4-Chloro-3-methylphenol	1	ug/L	11 U	13 U	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	10 U	11 U
4-Chloroaniline	5	ug/L	11 U	13 U	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	10 U	11 U
4-Chlorophenyl-phenylether	--	ug/L	11 U	13 U	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	10 U	11 U
4-Nitroaniline	5	ug/L	22 U	26 U	20 U	20 U	500 U	20 U [22 U]	20 U	25 U	220 U	20 U	20 U	22 U
4-Nitrophenol	1	ug/L	R	66 UJ	50 U	50 U	1,200 U	50 U [54 U]	50 U	63 U	540 U	50 U	50 U	55 UJ
Acenaphthene	20 {G}	ug/L	15	13 U	10 U	10 U	250 U	4 J [4 J]	10 U	2 J	110	14	14	11 U
Acenaphthylene	--	ug/L	1 J	13 U	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	0.8 J	10 U	11 U
Acetophenone	--	ug/L	11 U	13 U	10 U	0.9 J	250 U	1 J [1 J]	10 U	13 U	110 U	10 U	2 J	11 U
Anthracene	50 {G}	ug/L	11 U	13 U	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	1 J	11 U
Atrazine	7.5	ug/L	11 U	13 U	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	10 U	11 U
Benzaldehyde	--	ug/L	12 UJ	13 UJ	10 UJ	10 UJ	250 UJ	10 UJ [11 UJ]	10 UJ	13 UJ	110 UJ	10 UJ	10 UJ	11 UJ
Benzo(a)anthracene	0.002 {G}	ug/L	11 U	13 U	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	10 U	11 U
Benzo(a)pyrene	*	ug/L	11 U	13 U	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	10 U	11 U
Benzo(b)fluoranthene	0.002 {G}	ug/L	11 U	13 UJ	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	10 U	11 UJ
Benzo(g,h,i)perylene	--	ug/L	11 U	13 U	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	10 U	11 U
Benzo(k)fluoranthene	0.002 {G}	ug/L	11 U	13 U	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	10 U	11 U
bis(2-Chloroethoxy)methane	5	ug/L	11 U	13 U	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	10 U	11 U
bis(2-Chloroethyl)ether	1	ug/L	11 U	13 U	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	10 U	11 U
bis(2-Ethylhexyl)phthalate	5	ug/L	11 U	13 U	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	10 U	11 U
Butylbenzylphthalate	50 {G}	ug/L	11 U	13 U	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	10 U	11 U
Caprolatam	--	ug/L	11 U	13 U	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	10 U	11 U
Carbazole	--	ug/L	11 U	13 UJ	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	10 U	11 UJ

See Notes on Page 4.

Table 22b. Summary of SVOCs Detected in Groundwater - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Date Collected:	NYSDEC_GA	Units	MW-2 08/31/06	MW-4 08/28/06	MW-6 08/31/06	MW-103A 08/30/06	MW-104B 08/30/06	MW-105A 08/30/06	MW-106A 08/30/06	MW-107A 08/31/06	MW-107B 08/31/06	MW-111A 08/31/06	MW-115A 08/30/06	MW-121A 08/29/06
Semi-Volatile Organic Compounds														
Chrysene	0.002 {G}	ug/L	11 U	13 U	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	10 U	11 U
Dibenz(a,h)anthracene	- -	ug/L	11 U	13 U	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	10 U	11 U
Dibenzofuran	- -	ug/L	2 J	13 U	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	10 U	11 U
Diethylphthalate	50 {G}	ug/L	11 U	13 U	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	10 U	11 U
Dimethylphthalate	50 {G}	ug/L	11 U	13 UJ	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	10 U	11 UJ
Di-n-butylphthalate	50	ug/L	11 U	13 U	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	10 U	2 J
Di-n-octyl phthalate	50 {G}	ug/L	11 U	13 U	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	10 U	11 U
Fluoranthene	50 {G}	ug/L	11 U	13 U	10 U	10 U	250 U	1 J [11 U]	10 U	13 U	110 U	1 J	10 U	11 U
Fluorene	50 {G}	ug/L	10 J	13 U	10 U	10 U	250 U	0.8 J [11 U]	10 U	1 J	26 J	10 U	2 J	11 U
Hexachlorobenzene	0.04	ug/L	11 U	13 U	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	10 U	11 U
Hexachlorobutadiene	0.5	ug/L	11 U	13 U	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	10 U	11 U
Hexachlorocyclopentadiene	5	ug/L	11 UJ	13 U	10 UJ	10 UJ	250 UJ	10 UJ [11 UJ]	10 UJ	13 UJ	110 UJ	10 UJ	10 UJ	11 U
Hexachloroethane	5	ug/L	11 U	13 U	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	10 U	11 U
Indeno(1,2,3-cd)pyrene	0.002 {G}	ug/L	11 U	13 UJ	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	10 U	11 UJ
Isophorone	50 {G}	ug/L	11 U	13 U	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	10 U	11 U
Naphthalene	10 {G}	ug/L	31	13 U	10 U	1 J	1,400	10 U [11 U]	10 U	3 J	460	0.9 J	10 U	11 U
Nitrobenzene	0.4	ug/L	11 U	13 U	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	10 U	11 U
N-Nitroso-di-n-propylamine	- -	ug/L	11 U	13 U	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	10 U	11 U
N-Nitrosodiphenylamine	50 {G}	ug/L	11 U	13 U	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	10 U	11 U
p-Cresol	1	ug/L	11 U	13 U	10 U	10 U	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	10 U	11 U
Pentachlorophenol	1	ug/L	56 U	66 U	50 U	50 U	1,200 U	50 U [54 U]	50 U	63 U	540 U	50 U	50 U	55 U
Phenanthrene	50 {G}	ug/L	4 J	13 U	10 U	10 U	250 U	10 U [11 U]	10 U	2 J	43 J	10 U	1 J	11 U
Phenol	1	ug/L	R	13 U	10 U	3 J	250 U	10 U [11 U]	10 U	13 U	110 U	10 U	1 J	11 U
Pyrene	50 {G}	ug/L	11 U	13 U	10 U	10 U	250 U	2 J [2 J]	10 U	13 U	110 U	2 J	1 J	11 U
Total SVOCs	- -	ug/L	73 J	ND	ND	4.9 J	1,660	8.8 J [7 J]	ND	10 J	692 J	18.7 J	22 J	2 J

See Notes on Page 4.

Table 22b. Summary of SVOCs Detected in Groundwater - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Date Collected:	NYSDEC_GA	Units	MW-121B 08/29/06	MW-122A 08/28/06	MW-122B 08/28/06	MW-125A 08/29/06	MW-125B 08/29/06	MW-127A 03/05/07	MW-127B 03/05/07	MW-128A 03/05/07	MW-128B 03/05/07	MW-130A 03/05/07	MW-130B 03/05/07
Semi-Volatile Organic Compounds													
1,1-Biphenyl	5	ug/L	10 UJ	10 UJ	10 UJ	11 UJ	14 UJ	6.4 J	30	4.2 J [3.8 J]	44	5 J	4.4 J
2,2-oxybis(1-Chloropropane)	5	ug/L	10 U	10 U	10 U	11 U	14 U	10 U	10 U	10 U [10 U]	10 U	10 U	10 U
2,4,5-Trichlorophenol	1	ug/L	50 UJ	52 UJ	50 UJ	54 UJ	72 UJ	10 U	10 U	10 U [10 U]	10 U	10 U	10 U
2,4,6-Trichlorophenol	1	ug/L	10 U	10 U	10 U	11 U	14 U	10 U	10 U	10 U [10 U]	10 U	10 U	10 U
2,4-Dichlorophenol	1	ug/L	10 U	10 U	10 U	11 U	14 U	10 U	10 U	10 U [10 U]	10 U	10 U	10 U
2,4-Dimethylphenol	1	ug/L	10 U	10 U	10 U	11 U	14 U	10 U	110	10 U [10 U]	10 U	10 U	10 U
2,4-Dinitrophenol	1	ug/L	50 UJ	52 UJ	50 UJ	54 UJ	72 UJ	20 U	20 U	20 U [20 U]	20 U	20 U	20 U
2,4-Dinitrotoluene	5	ug/L	10 U	10 U	10 U	11 U	14 U	10 U	10 U	10 U [10 U]	10 U	10 U	10 U
2,6-Dinitrotoluene	5	ug/L	10 U	10 U	10 U	11 U	14 U	10 U	10 U	10 U [10 U]	10 U	10 U	10 U
2-Chloronaphthalene	10 {G}	ug/L	10 UJ	10 UJ	10 UJ	11 UJ	14 UJ	10 U	10 U	10 U [10 U]	10 U	10 U	10 U
2-Chlorophenol	1	ug/L	10 U	10 U	10 U	11 U	14 U	10 U	10 U	10 U [10 U]	10 U	10 U	10 U
2-Methylnaphthalene	--	ug/L	10 U	2 J	10 U	11 U	14 U	87 D	630 D	44 [40]	570 D	72 D	90 D
2-Methylphenol	1	ug/L	10 U	10 U	10 U	11 U	14 U	10 U	24	10 U [10 U]	10 U	10 U	10 U
2-Nitroaniline	5	ug/L	50 U	52 U	50 U	54 U	72 U	20 U	20 U	20 U [20 U]	20 U	20 U	20 U
2-Nitrophenol	1	ug/L	10 U	10 U	10 U	11 U	14 U	10 U	10 U	10 U [10 U]	10 U	10 U	10 U
3,3-Dichlorobenzidine	5	ug/L	20 U	21 U	20 U	22 U	29 U	10 UJ	10 UJ	10 UJ [10 UJ]	10 U	10 U	10 U
3-Nitroaniline	5	ug/L	50 U	52 U	50 U	54 U	72 U	20 U	20 U	20 U [20 U]	20 U	20 U	20 U
4,6-Dinitro-2-methylphenol	1	ug/L	50 UJ	52 UJ	50 UJ	54 UJ	72 UJ	20 U	20 U	20 U [20 U]	20 U	20 U	20 U
4-Bromophenyl-phenylether	--	ug/L	10 U	10 U	10 U	11 U	14 U	10 U	10 U	10 U [10 U]	10 U	10 U	10 U
4-Chloro-3-methylphenol	1	ug/L	10 U	10 U	10 U	11 U	14 U	10 U	10 U	10 U [10 U]	10 U	10 U	10 U
4-Chloroaniline	5	ug/L	10 U	10 U	10 U	11 U	14 U	10 U	10 U	10 U [10 U]	10 U	10 U	10 U
4-Chlorophenyl-phenylether	--	ug/L	10 U	10 U	10 U	11 U	14 U	10 U	10 U	10 U [10 U]	10 U	10 U	10 U
4-Nitroaniline	5	ug/L	20 U	21 U	20 U	22 U	29 U	20 U	20 U	20 U [20 U]	20 U	20 U	20 U
4-Nitrophenol	1	ug/L	50 UJ	52 UJ	50 UJ	54 UJ	72 UJ	20 U	20 U	20 U [20 U]	20 U	20 U	20 U
Acenaphthene	20 {G}	ug/L	10 U	3 J	10 U	11 U	14 U	35 D	27	21 [20]	150	27 D	56 D
Acenaphthylene	--	ug/L	10 U	10 U	10 U	11 U	14 U	4.5 J	190 EJ	5.2 J [3.8 J]	12	10 U	10 U
Acetophenone	--	ug/L	10 U	10 U	10 U	11 U	14 U	10 U	6.7 J	10 U [10 U]	5.2 J	10 U	10 U
Anthracene	50 {G}	ug/L	10 U	1 J	10 U	11 U	14 U	4.6 J	6.7 J	3.8 J [3.6 J]	21	5.2 J	3.4 J
Atrazine	7.5	ug/L	10 U	10 U	10 U	11 U	14 U	10 UJ	10 UJ	10 UJ [10 UJ]	10 UJ	10 U	10 U
Benzaldehyde	--	ug/L	10 UJ	10 UJ	10 UJ	11 UJ	14 UJ	10 U	10 U	10 U [10 U]	10 U	10 U	10 U
Benzo(a)anthracene	0.002 {G}	ug/L	10 U	10 U	10 U	11 U	14 U	10 U	10 U	10 U [10 U]	5 J	10 U	10 U
Benzo(a)pyrene	*	ug/L	10 U	10 U	10 U	11 U	14 U	10 U	10 U	10 U [10 U]	3.2 J	10 U	10 U
Benzo(b)fluoranthene	0.002 {G}	ug/L	10 UJ	10 UJ	10 UJ	11 UJ	14 UJ	10 U	10 U	10 U [10 U]	1.8 J	10 U	10 U
Benzo(g,h,i)perylene	--	ug/L	10 U	10 U	10 U	11 U	14 U	10 U	10 U	10 U [10 U]	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002 {G}	ug/L	10 U	10 U	10 U	11 U	14 U	10 U	10 U	10 U [10 U]	2 J	10 U	10 U
bis(2-Chloroethoxy)methane	5	ug/L	10 U	10 U	10 U	11 U	14 U	10 U	10 U	10 U [10 U]	10 U	10 U	10 U
bis(2-Chloroethyl)ether	1	ug/L	10 U	10 U	10 U	11 U	14 U	10 U	10 U	10 U [10 U]	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	5	ug/L	10 U	10 U	10 U	11 U	14 U	10 U	10 U	10 U [10 U]	10 U	15 JD	10 U
Butylbenzylphthalate	50 {G}	ug/L	10 U	10 U	10 U	11 U	14 U	10 U	10 U	10 U [10 U]	10 U	10 U	10 U
Caprolatam	--	ug/L	10 U	10 U	10 U	11 U	14 U	10 U	10 U	10 U [10 U]	10 U	10 U	10 U
Carbazole	--	ug/L	10 UJ	10 U	10 UJ	11 UJ	14 UJ	10 U	32	10 U [10 U]	23	1.6 J	2.3 J

See Notes on Page 4.

Table 22b. Summary of SVOCs Detected in Groundwater - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Date Collected:	NYSDEC_GA	Units	MW-121B 08/29/06	MW-122A 08/28/06	MW-122B 08/28/06	MW-125A 08/29/06	MW-125B 08/29/06	MW-127A 03/05/07	MW-127B 03/05/07	MW-128A 03/05/07	MW-128B 03/05/07	MW-130A 03/05/07	MW-130B 03/05/07
Semi-Volatile Organic Compounds													
Chrysene	0.002 {G}	ug/L	10 U	10 U	10 U	11 U	14 U	10 U	10 U	10 U [10 U]	4.5 J	10 U	10 U
Dibenz(a,h)anthracene	- -	ug/L	10 U	10 U	10 U	11 U	14 U	10 U	10 U	10 U [10 U]	10 U	10 U	10 U
Dibenzofuran	- -	ug/L	10 U	2 J	10 U	11 U	14 U	1.9 J	10 U	10 U [10 U]	22	1.6 J	3.1 J
Diethylphthalate	50 {G}	ug/L	10 U	10 U	10 U	11 U	14 U	10 U	10 U	10 U [10 U]	10 U	10 U	10 U
Dimethylphthalate	50 {G}	ug/L	10 UJ	10 UJ	10 UJ	11 UJ	14 UJ	10 U	10 U	10 U [10 U]	10 U	10 U	10 U
Di-n-butylphthalate	50	ug/L	10 U	10 UJ	10 U	2 J	2 J	10 U	10 U	10 U [10 U]	10 U	10 U	10 U
Di-n-octyl phthalate	50 {G}	ug/L	10 U	10 U	10 U	11 U	14 U	10 U	10 U	10 U [10 U]	10 U	10 U	10 U
Fluoranthene	50 {G}	ug/L	10 U	10 U	10 U	11 U	14 U	1.5 J	2.3 J	2.2 J [2.2 J]	15	3.4 J	1.6 J
Fluorene	50 {G}	ug/L	10 U	3 J	10 U	11 U	14 U	11	31	7.5 J [7.2 J]	54	8.8 J	12
Hexachlorobenzene	0.04	ug/L	10 U	10 U	10 U	11 U	14 U	10 U	10 U	10 U [10 U]	10 U	10 U	10 U
Hexachlorobutadiene	0.5	ug/L	10 U	10 U	10 U	11 U	14 U	10 U	10 U	10 U [10 U]	10 U	10 U	10 U
Hexachlorocyclopentadiene	5	ug/L	10 U	10 U	10 U	11 U	14 U	20 U	20 U	20 U [20 U]	20 U	20 U	20 U
Hexachloroethane	5	ug/L	10 U	10 U	10 U	11 U	14 U	10 U	10 U	10 U [10 U]	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002 {G}	ug/L	10 UJ	10 UJ	10 UJ	11 UJ	14 UJ	10 U	10 U	10 U [10 U]	1.3 J	10 U	10 U
Isophorone	50 {G}	ug/L	10 U	10 U	10 U	11 U	14 U	10 U	10 U	10 U [10 U]	10 U	10 U	10 U
Naphthalene	10 {G}	ug/L	10 U	1 J	10 U	11 U	14 U	170 D	4,700 D	99 [73]	2,000 D	210 D	190 D
Nitrobenzene	0.4	ug/L	10 U	10 U	10 U	11 U	14 U	10 U	10 U	10 U [10 U]	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	- -	ug/L	10 U	10 U	10 U	11 U	14 U	10 U	10 U	10 U [10 U]	10 U	10 U	10 U
N-Nitrosodiphenylamine	50 {G}	ug/L	10 U	10 U	10 U	11 U	14 U	10 U	10 U	10 U [10 U]	10 U	10 U	10 U
p-Cresol	1	ug/L	10 U	2 J	10 U	11 U	14 U	20 U	61	20 U [20 U]	20 U	20 U	20 U
Pentachlorophenol	1	ug/L	50 U	52 U	50 U	54 U	72 U	20 U	20 U	20 U [20 U]	20 U	20 U	20 U
Phenanthrene	50 {G}	ug/L	10 U	6 J	10 U	11 U	14 U	18	29	13 [13]	76	20 D	20 D
Phenol	1	ug/L	10 U	1 J	10 U	11 U	14 U	10 U	10 U	10 U [10 U]	10 U	10 U	10 U
Pyrene	50 {G}	ug/L	10 U	10 U	10 U	11 U	14 U	1.7 J	2.5 J	3.6 J [3.2 J]	15	4.5 J	10 U
Total SVOCs	- -	ug/L	ND	21 J	ND	2 J	2 J	342 J	5,880 J	204 J [170 J]	3,030 J	374 J	383 J

See Notes on Page 4.

Table 23a. Summary of Inorganics and Cyanide Detected in Groundwater - Site Characterization Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Date Collected:	NYSDEC_GA	Units	MW-1 10/12/04	MW-2 10/12/04	MW-4 10/12/04	MW-5 10/12/04	MW-6 10/12/04
Metals							
Arsenic	0.025	mg/L	0.00582 J	0.00484 U	0.00484 U	0.00484 U [0.00484 U]	0.00484 U
Barium	1	mg/L	0.096 J	0.526	0.0533 J	0.183 J [0.218]	0.0948 J
Cadmium	0.005	mg/L	0.000994 U	0.000994 U	0.000994 U	0.000994 U [0.000994 U]	0.000994 U
Chromium	0.05	mg/L	0.0108	0.00264 J	0.00583 J	0.00122 U [0.00122 U]	0.00664 J
Lead	0.025	mg/L	0.0892	0.117	0.00179 U	0.0047 J [0.00544]	0.00179 U
Mercury	0.0007	mg/L	0.00038	0.00013 J	0.00003 U	0.00003 U [0.00003 U]	0.00003 U
Selenium	0.01	mg/L	0.00524 U	0.00524 U	0.00524 U	0.00524 U [0.00524 U]	0.00524 U
Silver	0.05	mg/L	0.00338 U	0.00338 U	0.00338 U	0.00338 U [0.00338 U]	0.00338 U
Cyanide							
Cyanide	0.2	mg/L	0.063	0.031	0.01 U	0.016 [0.012]	0.01 U
Amenable Cyanide							
Cyanide-Amenable	--	mg/L	0.06	0.03	0.01 U	0.02 [0.01]	0.01 U

Notes:

J = indicates an estimated value.

U = indicates the constituent was not detected at the PQL. The value preceding the U indicates the PQL.

mg/L = milligrams per liter.

-- = no criterion exists for the specified compound.

PQL = practical quantitation limit.

Bolded and shaded values exceed the New York State Technical and Operational Guidance Class GA Standards or Guidance Values, June 1998.

NYSDEC = New York State Department of Environmental Conservation.

Table 23b. Summary of Inorganics and Cyanide Detected in Groundwater - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Date Collected:	NYSDEC_GA	Units	MW-2 08/31/06	MW-4 08/28/06	MW-6 08/31/06	MW-103A 08/30/06	MW-104B 08/30/06	MW-105A 08/30/06	MW-106A 08/30/06	MW-107A 08/31/06	MW-107B 08/31/06	MW-111A 08/31/06	MW-115A 08/30/06	MW-121A 08/29/06	MW-121B 08/29/06	MW-122A 08/28/06
Metals																
Antimony	0.003	mg/L	0.02 UJ	0.02 U	0.02 UJ	0.02 UJ	0.02 U	0.02 UJ [0.02 UJ]	0.02 UJ	0.02 UJ	0.02 UJ	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U
Arsenic	0.025	mg/L	0.0098 B	0.04 U	0.04 U	0.0094 B	0.0225 B	0.04 U [0.0055 B]	0.0078 B	0.0069 B	0.0098 B	0.0131 B	0.0047 B	0.04 U	0.0134 B	0.04 U
Beryllium	0.003 {G}	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Cadmium	0.005	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.001 B	0.01 U [0.01 U]	0.001 B	0.01 U	0.0011 B	0.01 U	0.01 U	0.01 U	0.00097 B	0.01 U
Chromium	0.05	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0074 B
Copper	0.2	mg/L	0.01 U	0.01 U	0.0124	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.0136	0.01 U	0.01 U	0.01 U	0.0206	0.0041 B	0.456
Lead	0.025	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0787
Mercury	0.0007	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U [0.0002 U]	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0019
Nickel	0.1	mg/L	0.003 B	0.00075 B	0.0017 B	0.0047 B	0.01 U	0.01 U [0.01 U]	0.01 U	0.0022 B	0.0093 B	0.0012 B	0.0016 B	0.0037 B	0.00073 B	0.0077 B
Selenium	0.01	mg/L	0.03 UJ	0.03 UJ	0.03 UJ	0.03 UJ	0.03 UJ	0.03 UJ [0.03 UJ]	0.03 UJ	0.03 UJ	0.03 UJ	0.03 UJ	0.03 UJ	0.03 UJ	0.03 UJ	0.03 UJ
Silver	0.05	mg/L	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U [0.006 U]	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U
Thallium	0.0005 {G}	mg/L	R	R	R	R	R	R [R]	R	R	R	R	R	R	R	R
Zinc	2 {G}	mg/L	0.0163 B	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U [0.05 U]	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.0297 B	0.0114 B	0.0247 B
Dissolved Metals																
Antimony	0.003	mg/L	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U	0.02 U
Arsenic	0.025	mg/L	NA	0.04 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0094 B	0.04 U
Beryllium	0.003 {G}	mg/L	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	0.005 U
Cadmium	0.005	mg/L	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00084 B	0.01 U
Chromium	0.05	mg/L	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	0.01 U
Copper	0.2	mg/L	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	0.0045 B
Lead	0.025	mg/L	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	0.01 U
Mercury	0.0007	mg/L	NA	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U	0.0002 U
Nickel	0.1	mg/L	NA	0.0012 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	0.0011 B
Selenium	0.01	mg/L	NA	0.03 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.03 UJ	0.03 UJ
Silver	0.05	mg/L	NA	0.006 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.006 U	0.006 U
Thallium	0.0005 {G}	mg/L	NA	R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	R	R
Zinc	2 {G}	mg/L	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.05 U	0.05 U
Cyanide																
Cyanide	0.2	mg/L	0.0623	0.01 U	0.0121	0.179	0.0109	0.01 U [0.01 U]	0.01 U	0.002 B	0.0081 B	0.0104	0.01 U	0.0031 B	0.01 U	0.01 U

See Notes on Page 2.

Table 23b. Summary of Inorganics and Cyanide Detected in Groundwater - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Date Collected:	NYSDEC_GA	Units	MW-122B 08/28/06	MW-125A 08/29/06	MW-125B 08/29/06	MW-127A 03/05/07	MW-127B 03/05/07	MW-128A 03/05/07	MW-128B 03/05/07	MW-130A 03/05/07	MW-130B 03/05/07
Metals											
Antimony	0.003	mg/L	0.02 U	0.02 U	0.02 U	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U
Arsenic	0.025	mg/L	0.0043 B	0.04 U	0.04 U	0.0045 B	0.0057 B	0.0062 B [0.0055 B]	0.0167	0.0041 B	0.0166
Beryllium	0.003 {G}	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U
Cadmium	0.005	mg/L	0.0017 B	0.01 U	0.0014 B	0.0016 B	0.001 B	0.0024 B [0.0023 B]	0.00073 B	0.003 B	0.00059 B
Chromium	0.05	mg/L	0.0085 B	0.01 U	0.0029 B	0.0011 B	0.0159	0.004 B [0.002 B]	0.0165	0.0033 B	0.0151
Copper	0.2	mg/L	0.0048 B	0.0041 B	0.0053 B	0.001 B	0.0113	0.0054 [0.0014 B]	0.0153	0.0102	0.0164
Lead	0.025	mg/L	0.01 U	0.01 U	0.01 U	0.0085 J	0.0132 J	0.0171 J [0.0079 J]	0.27 J	0.0527 J	0.0346 J
Mercury	0.0007	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0001 U	0.0001 U	0.0001 U [0.00012 B]	0.0015	0.00015 B	0.0006
Nickel	0.1	mg/L	0.00083 B	0.0008 B	0.0014 B	0.0029 B	0.0156 B	0.0031 B [0.0014 U]	0.0181 B	0.0022 B	0.0159 B
Selenium	0.01	mg/L	0.03 UJ	0.03 UJ	0.03 UJ	0.005 UJ	0.0022 UJ	0.0022 UJ [0.0022 UJ]	0.0022 UJ	0.0022 UJ	0.0022 UJ
Silver	0.05	mg/L	0.006 U	0.006 U	0.006 U	0.00054 B	0.00054 B	0.0005 U [0.0005 U]	0.0005 U	0.0005 U	0.00057 B
Thallium	0.0005 {G}	mg/L	R	R	R	0.0043 U	0.0043 U	0.0043 U [0.0043 U]	0.0043 U	0.0043 U	0.0043 U
Zinc	2 {G}	mg/L	0.0105 B	0.05 U	0.05 U	0.0007 UJ	0.0305 J	0.0124 BJ [0.0007 UJ]	0.0946 J	0.0666 J	0.0405 J
Dissolved Metals											
Antimony	0.003	mg/L	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	0.025	mg/L	0.0047 B	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	0.003 {G}	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	0.005	mg/L	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	0.05	mg/L	0.0044 B	NA	NA	NA	NA	NA	NA	NA	NA
Copper	0.2	mg/L	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA
Lead	0.025	mg/L	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.0007	mg/L	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	0.1	mg/L	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	0.01	mg/L	0.03 UJ	NA	NA	NA	NA	NA	NA	NA	NA
Silver	0.05	mg/L	0.006 U	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.0005 {G}	mg/L	R	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2 {G}	mg/L	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide											
Cyanide	0.2	mg/L	0.0112	0.01 U	0.01 U	0.0062 B	0.0257	0.0218 [0.0298]	0.0325	0.0047 B	0.0178

See Notes on Page 2.

Table 23b. Summary of Inorganics and Cyanide Detected in Groundwater - Remedial Investigation Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Notes:

G = indicates a guidance value.

J = indicates an estimated value.

U = indicates the constituent was not detected at the PQL. The value preceding the U indicates the PQL.

UJ = estimated non-detect.

mg/L = milligrams per liter.

NA = not analyzed.

- = no criterion exists for the specified compound.

PQL = practical quantitation limit.

Bolded and shaded values exceed the New York State Technical and Operational Guidance Class GA Standards or Guidance Values, June 1998.

NYSDEC = New York State Department of Environmental Conservation.

B = indicates an estimated value between the IDL and the PQL.

IDL = instrument detection limit.

R = rejected.

See Notes on Page 1.

Table 24. Summary Statistics for RI Groundwater Samples, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Analyte	Units	NYSDEC TOGS 1.1.1 Class GA	Minimum Detected Concentration	Maximum Detected Concentration	Total Number of Samples	Number Detected	Frequency of Detects	Number Detected Above GA	Frequency of Detects Above GA
Volatile Organic Compounds									
Benzene	ug/L	1	0.15	7900	23	18	78.26%	16	69.57%
Xylenes (total)	ug/L	5	0.37	3900	23	16	69.57%	10	43.48%
Toluene	ug/L	5	0.46	9300	23	14	60.87%	7	30.43%
1,2,4-Trimethylbenzene	ug/L	5	0.15	150	17	10	58.82%	3	17.65%
Ethyl Benzene	ug/L	5	0.31	2900	23	13	56.52%	9	39.13%
Isopropylbenzene	ug/L	5	2.2	70	23	13	56.52%	9	39.13%
1,3,5-Trimethylbenzene	ug/L	5	0.15	12	17	7	41.18%	2	11.76%
Chloroform	ug/L	7	0.16	8.7	23	9	39.13%	1	4.35%
Methylcyclohexane	ug/L		4.3	5.5	6	2	33.33%		
Cyclohexane	ug/L		0.33	5.5	23	7	30.43%		
Acetone	ug/L	50	6	10	23	5	21.74%	0	0.00%
Carbon Disulfide	ug/L	60	0.5	3.7	23	5	21.74%	0	0.00%
Methyl Acetate	ug/L		0.18	7.4	23	5	21.74%		
Methyl tert-butyl Ether	ug/L	10	0.14	0.36	23	4	17.39%	0	0.00%
Styrene	ug/L	5	0.22	520	23	4	17.39%	1	4.35%
Methylene Chloride	ug/L	5	0.85	15	23	3	13.04%	1	4.35%
2-Butanone	ug/L	50	4.2	4.2	23	1	4.35%	0	0.00%
Total VOCs	ug/L		0.16	24600	23	21	91.30%		
Semi-Volatile Organic Compounds									
Acenaphthene	ug/L	20	2	150	23	13	56.52%	7	30.43%
Naphthalene	ug/L	10	0.9	4700	23	13	56.52%	9	39.13%
Fluorene	ug/L	50	1	54	23	12	52.17%	1	4.35%
Phenanthrene	ug/L	50	1	76	23	11	47.83%	1	4.35%
2-Methylnaphthalene	ug/L		2	630	23	10	43.48%		
1,1-Biphenyl	ug/L	5	4.2	44	23	8	34.78%	5	21.74%
Anthracene	ug/L	50	1	21	23	8	34.78%	0	0.00%
Fluoranthene	ug/L	50	1	15	23	8	34.78%	0	0.00%
Pyrene	ug/L	50	1	15	23	8	34.78%	0	0.00%
Acenaphthylene	ug/L		0.8	190	23	6	26.09%		
Dibenzofuran	ug/L		1.6	22	23	6	26.09%		
Acetophenone	ug/L		0.9	6.7	23	5	21.74%		
Carbazole	ug/L		1.6	32	23	4	17.39%		
Di-n-butylphthalate	ug/L	50	2	2	23	3	13.04%	0	0.00%
Phenol	ug/L	1	1	3	23	3	13.04%	1	4.55%
2,4-Dimethylphenol	ug/L	1	1	110	23	2	8.70%	1	4.35%
p-Cresol	ug/L	1	2	61	23	2	8.70%	2	8.70%
2-Methylphenol	ug/L	1	24	24	23	1	4.35%	1	4.35%
Benzo(a)anthracene	ug/L	0.002	5	5	23	1	4.35%	1	4.35%
Benzo(a)pyrene	ug/L	0	3.2	3.2	23	1	4.35%	1	4.35%
Benzo(b)fluoranthene	ug/L	0.002	1.8	1.8	23	1	4.35%	1	4.35%
Benzo(k)fluoranthene	ug/L	0.002	2	2	23	1	4.35%	1	4.35%
bis(2-Ethylhexyl)phthalate	ug/L	5	15	15	23	1	4.35%	1	4.35%
Chrysene	ug/L	0.002	4.5	4.5	23	1	4.35%	1	4.35%
Indeno(1,2,3-cd)pyrene	ug/L	0.002	1.3	1.3	23	1	4.35%	1	4.35%
Total SVOCs	ug/L		2	5880	23	18	78.26%		
Inorganics, Cyanide									
Nickel	mg/L	0.1	0.00073	0.0181	23	20	86.96%	0	0.00%
Arsenic	mg/L	0.025	0.0041	0.0225	23	16	69.57%	0	0.00%
Cyanide	mg/L	0.2	0.002	0.179	23	15	65.22%	0	0.00%
Copper	mg/L	0.2	0.001	0.456	23	14	60.87%	1	4.35%
Cadmium	mg/L	0.005	0.00059	0.003	23	12	52.17%	0	0.00%
Zinc	mg/L	2	0.0105	0.0946	23	10	43.48%	0	0.00%
Chromium	mg/L	0.05	0.0011	0.0165	23	9	39.13%	0	0.00%
Lead	mg/L	0.025	0.0085	0.27	23	7	30.43%	4	17.39%
Mercury	mg/L	0.0007	0.00015	0.0019	23	4	17.39%	2	8.70%
Silver	mg/L	0.05	0.00054	0.00057	23	3	13.04%	0	0.00%

Table 25. Summary of Indoor Air Samples - Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Date Collected:	NYSDOH Upper Fence Criterion ¹	Units	CHURCH-IA-1 39162	CHURCH-IA-3 39162	CHURCH-IA-4 39162	JR-1115-IA-1 39160	JR-1115-IA-2 39160	JR-1115-IA-3 39160	JR-1115-IA-4 39160	JR-1141-IA-1 39162	JR-1141-IA-2 39160	JR-1141-IA-3 39160	JR-1223-IA-1 39161	JR-1223-IA-2 39161
Air Volatiles														
1,1,1-Trichloroethane	2.5	ug/m3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1,2,2-Tetrachloroethane	0.38	ug/m3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,1,2-Trichloroethane	0.38	ug/m3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1,2-Trichlorotrifluoroethane	2.5	ug/m3	0.5	0.54	0.51	0.57	0.58	0.57	0.55	0.49	0.66	0.63	0.52	0.54
1,1-Dichloroethane	0.38	ug/m3	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,1-Dichloroethene	0.4	ug/m3	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
1,2,3-Trimethylbenzene	--	ug/m3	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trichlorobenzene	0.47	ug/m3	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U
1,2,4-Trimethylbenzene	9.8	ug/m3	3.4	0.53	0.98 U	0.57	0.3	0.98 U	0.5	1.1	0.73	0.76	9.3	0.38
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.42	ug/m3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,2-Dichlorobenzene	0.48	ug/m3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	0.37	ug/m3	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,2-Dichloropropane	0.39	ug/m3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,3,5-Trimethylbenzene	3.9	ug/m3	1	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.33	0.35	0.29	2.9	0.98 U
1,3-Dichlorobenzene	0.46	ug/m3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	1.2	ug/m3	0.35	1.2 U	1.2 U	0.88	0.93	0.33	0.37	0.96	1.9	46	0.44	1.2 U
2,2,4-Trimethylpentane	--	ug/m3	U	U	U	U	U	U	U	U	U	U	U	U
2,3-Dimethylpentane	5.2	ug/m3	U	U	U	U	U	U	U	U	U	U	U	U
2-methylpentane	--	ug/m3	U	U	U	U	U	U	U	U	U	U	U	U
Benzene	13	ug/m3	2.7	0.94	0.88	1.1	0.98	1	1.5	0.89	4.2	2.6	0.87	0.74
Bromomethane	0.48	ug/m3	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Carbon Tetrachloride	1.3	ug/m3	0.47	0.44	0.38	0.51	0.49	0.53	0.49	0.44	0.7	0.78	0.43	0.5
Chlorobenzene	0.41	ug/m3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	0.39	ug/m3	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	1.2	ug/m3	0.98 U	0.98 U	0.98 U	1.9	1.1	5.7	0.98 U	6.2	32	0.95	0.92	1.4
Chloromethane	4.2	ug/m3	1.4	1	1.2	1.4	1.4	1.4	1.4	1.4	1.6	1.7	1.3	1.4
cis-1,2-Dichloroethene	0.41	ug/m3	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.8	0.79 U	0.79 U	0.79 U
cis-1,3-Dichloropropene	0.38	ug/m3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dibromomethane	--	ug/m3	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U
Dichlorodifluoromethane	10	ug/m3	2.1	2	2	2.5	2.2	2.6	2.4	2.1	2.6	2.7	2.3	2.1
Ethyl Benzene	6.4	ug/m3	2.3	0.5	0.29	0.42	0.45	0.87 U	0.35	0.68	3.3	0.78	1.1	0.4
Hexachlorobutadiene	0.49	ug/m3	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Indane	--	ug/m3	U	U	U	U	U	U	U	U	U	U	U	U
Indene	--	ug/m3	U	U	U	U	U	U	U	U	U	U	U	U
Isopentane	--	ug/m3	13	U	U	U	U	U	U	U	9.4	11	U	U
Isopropylbenzene	0.82	ug/m3	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	0.67	2 U	0.45	2 U
Methylene Chloride	16	ug/m3	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	2.8 U	19	10	1.7 U	1.7 U
m-Xylene & p-Xylene	11	ug/m3	8.4	1.5	0.68	1.3	1.4	0.49	1	2.3	2.5	2.2	4.2	1.1
Naphthalene	--	ug/m3	2.6 U	2.6 U	2.6 U	0.22	2.6 U	2.6 U	0.21	2.6 U	2.6 U	2.6 U	0.36	2.6 U
n-Butane	--	ug/m3	8.6	4.8	2.4	12	4	9.2	2	11	14	12	6.2	45
n-Decane	15	ug/m3	2.3	0.62	5.8 U	1.5	5.8 U	0.47	1	0.96	0.5	2.1	9.7	0.49
n-Dodecane	9.2	ug/m3	7 U	7 U	7 U	2.6	7 U	7 U	7 U	0.65	7 U	0.64	0.48	7 U
n-Heptane	18	ug/m3	2	0.56	0.41	0.47	0.69	0.35	0.55	0.67	1.4	2.1	0.71	1
n-Hexane	14	ug/m3	4.1	1.1	0.78	0.52	2.2	0.71	0.46	1.1	2	1.9	0.68	0.86
n-Octane	5.2	ug/m3	0.91	0.26	1.9 U	1.9 U	0.23	1.9 U	1.9 U	1.9 U	0.55	0.65	0.54	0.71
Nonane	7.9	ug/m3	2.2	0.91	2.6 U	0.5	0.34	0.46	0.5	0.42	0.45	0.69	6.4	0.43
n-Undecane	12	ug/m3	0.64	6.4 U	6.4 U	0.88	6.4 U	6.4 U	0.51	0.63	6.4 U	1.1	3.8	6.4 U
o-Xylene	7.1	ug/m3	2.7	0.47	0.87 U	0.45	0.46	0.87 U	0.36	0.87	1.1	0.75	1.9	0.39
Pentane	--	ug/m3	8.7	3	2	2.8	2.2	4.8	0.85	2.5	6	5.9	3.1	4.7
Styrene	1.4	ug/m3	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.19	0.85 U	0.24	0.85 U	0.85 U
t-1,3-Dichloropropene	0.4	ug/m3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Tetrachloroethene	2.5	ug/m3	0.37	0.28	0.24	0.58	0.53	0.58	0.41	0.58	6.6	2.2	0.74	0.77
Thiophene	--	ug/m3	U	U	U	U	U	U	U	U	U	U	U	U
Toluene	57	ug/m3	11	2.7	2.2	2.2	2.5	2.7	2.2	3.5	24	15	2.5	2
Trichloroethene	0.46	ug/m3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	12	ug/m3	1.2	1.3	1.2	1.4	1.2	1.5	1.4	1.3	1.3	1.4	1.3	1.2
Vinyl Chloride	0.37	ug/m3	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.77	0.51 U	0.51 U	0.51 U

See Notes on Page 5

Table 25. Summary of Indoor Air Samples - Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Date Collected:	NYSDOH Upper Fence Criterion ¹	Units	JR-1223-IA-3 39161	JR-1223-IA-4 39161	JR-170-IA-1 39160	JR-170-IA-2 39160	JR-170-IA-3 39160	JR-170-IA-4 39160	JR-178-IA-1 39161	JR-178-IA-2 39162	JR-178-IA-3 39161	SCHOOL-IA-6 39162	SCHOOL-IA-7 39162	SCHOOL-IA-8 39162
Air Volatiles														
1,1,1-Trichloroethane	2.5	ug/m3	1.1 U	1.1 U	0.22	1.1	1.1 U	0.44	1.1 U [1.1 U]	1.1 U	1.1 U	3	5.2	4.5
1,1,2,2-Tetrachloroethane	0.38	ug/m3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U [1.4 U]	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,1,2-Trichloroethane	0.38	ug/m3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U [1.1 U]	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1,2-Trichlorotrifluoroethane	2.5	ug/m3	0.56	0.47	0.64	0.57	0.64	0.53	0.6 [0.81]	0.55	0.62	0.54	0.61	0.58
1,1-Dichloroethane	0.38	ug/m3	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U [0.81 U]	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,1-Dichloroethene	0.4	ug/m3	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U [0.79 U]	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
1,2,3-Trimethylbenzene	-	ug/m3	U	U	U	U	U	U	U [U]	U	U	U	U	U
1,2,4-Trichlorobenzene	0.47	ug/m3	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U [7.4 U]	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U
1,2,4-Trimethylbenzene	9.8	ug/m3	0.46	0.62	0.98 U	0.69	0.59	0.37	0.3 [0.98 U]	0.78	0.55	0.48	0.79	2.1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.42	ug/m3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U [1.4 U]	1.4 U	2.3	1.4 U	1.4 U	1.4 U
1,2-Dichlorobenzene	0.48	ug/m3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U [1.2 U]	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	0.37	ug/m3	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U [0.81 U]	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,2-Dichloropropane	0.39	ug/m3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U [0.92 U]	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,3,5-Trimethylbenzene	3.9	ug/m3	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U [0.98 U]	0.98 U	0.98 U	0.98 U	0.98 U	0.63
1,3-Dichlorobenzene	0.46	ug/m3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U [1.2 U]	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	1.2	ug/m3	1.2 U	0.32	1.2 U	0.52	0.68	0.5	2.3 [0.59]	3.2	7.3	1.2 U	1.2 U	0.74
2,2,4-Trimethylpentane	-	ug/m3	U	U	U	U	U	U	U [U]	U	U	U	U	U
2,3-Dimethylpentane	5.2	ug/m3	U	U	U	U	U	U	U [U]	U	U	U	U	U
2-methylpentane	-	ug/m3	U	U	U	U	U	U	U [U]	U	U	U	U	U
Benzene	13	ug/m3	0.86	0.94	1.5	0.93	1.2	1.2	0.91 [1.5]	1	2.4	0.97	1.2	1
Bromomethane	0.48	ug/m3	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U [0.78 U]	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Carbon Tetrachloride	1.3	ug/m3	0.48	0.43	0.66	0.5	0.6	0.51	0.48 [0.75]	0.49	0.65	0.56	0.66	0.6
Chlorobenzene	0.41	ug/m3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U [0.92 U]	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	0.39	ug/m3	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U [0.53 U]	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	1.2	ug/m3	0.61	0.48	0.78	0.54	2.6	0.49	7.4 [3.6]	4.6	1	1.3	1.9	2.3
Chloromethane	4.2	ug/m3	1.7	1.2	1.4	1.5	1.6	1.4	1.3 [1.9]	1.6	2	1.3	1.6	1.4
cis-1,2-Dichloroethene	0.41	ug/m3	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U [0.79 U]	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
cis-1,3-Dichloropropene	0.38	ug/m3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U [0.91 U]	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dibromomethane	-	ug/m3	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U [2.8 U]	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U
Dichlorodifluoromethane	10	ug/m3	2.5	2.1	2.6	2.2	2.6	2.2	2.5 [3.6]	2.2	7.9	2.4	2.7	2.4
Ethyl Benzene	6.4	ug/m3	0.45	0.41	0.45	0.39	0.45	0.5	0.26 [0.51]	0.42	0.78	0.94	0.47	1.7
Hexachlorobutadiene	0.49	ug/m3	11 U	11 U	11 U	11 U	11 U	11 U	11 U [11 U]	11 U	11 U	11 U	11 U	11 U
Indane	-	ug/m3	U	U	U	U	U	U	U [U]	U	U	U	U	U
Indene	-	ug/m3	U	U	U	U	U	U	U [U]	U	U	U	U	U
Isopentane	-	ug/m3	U	U	7.9	U	U	U	U [U]	U	8.7	U	U	U
Isopropylbenzene	0.82	ug/m3	2 U	2 U	2 U	2 U	2 U	2 U	2 U [2 U]	2 U	2 U	2 U	2 U	2 U
Methylene Chloride	16	ug/m3	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U [1.9 U]	1.7 U	1.9 U	1.7 U	1.7 U	1.7 U
m-Xylene & p-Xylene	11	ug/m3	1.4	1.1	1	1.2	1.4	1.4	0.76 [1.5]	1.3	2.3	2.4	1.1	5
Naphthalene	-	ug/m3	2.6 U	0.34	2.6 U	0.37	0.39	2.6 U	2.6 U [2.6 U]	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
n-Butane	-	ug/m3	5.8	3.1	23	15	17	3.7	3.2 [4.7]	14	45	9.7	12	11
n-Decane	15	ug/m3	0.71	1.1	5.8 U	4.1	1.5	1.6	0.42 [5.8 U]	1.2	0.54	1.1	2.8	6.5
n-Dodecane	9.2	ug/m3	7 U	7 U	7 U	5.5	7 U	0.81	7 U [7 U]	0.53	7 U	7 U	7 U	1.1
n-Heptane	18	ug/m3	0.88	1.3	0.75	0.46	1.2	0.64	0.63 [0.98]	0.6	1.4	1.2	0.7	0.79
n-Hexane	14	ug/m3	0.75	0.72	0.74	0.91	0.81	0.62	0.63 [0.99]	0.6	1.2	0.82	0.91	0.77
n-Octane	5.2	ug/m3	0.34	0.78	1.9 U	1.9 U	0.26	0.32	0.3 [0.54]	0.61	0.94	0.37	1.9 U	0.43
Nonane	7.9	ug/m3	0.54	0.47	2.6 U	0.82	0.49	0.67	0.31 [2.6 U]	0.56	0.47	0.5	0.75	1.9
n-Undecane	12	ug/m3	6.4 U	0.85	6.4 U	15	1.1	2.2	6.4 U [6.4 U]	1.2	6.4 U	0.43	0.81	4.1
o-Xylene	7.1	ug/m3	0.47	0.41	0.33	0.41	0.45	0.45	0.31 [0.49]	0.46	0.74	0.62	0.37	1.6
Pentane	-	ug/m3	0.99	5.4	3.1	3.6	1.4	1.5	1.3 [2.5]	1.6	6.6	2.3	2.9	2.5
Styrene	1.4	ug/m3	0.85 U	0.85 U	0.85 U	0.85 U	0.31	0.85 U	0.17 [0.85 U]	0.19	0.16	0.85 U	0.85 U	0.29
t-1,3-Dichloropropene	0.4	ug/m3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U [0.91 U]	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Tetrachloroethene	2.5	ug/m3	1.4	1.6	1.1	0.43	0.64	0.55	1.4 [0.87]	0.33	2.7	0.71	0.69	1.2
Thiophene	-	ug/m3	U	U	U	U	U	U	U [U]	U	U	U	U	U
Toluene	57	ug/m3	2	2	3.6	2.3	2.5	2.5	2 [3.4]	2.7	4.4	5.2	4.6	6.3
Trichloroethene	0.46	ug/m3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U [1.1 U]	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	12	ug/m3	1.3	1.2	1.3	1.2	1.5	1.2	1.2 [3.3]	1.3	3.4	1.7	1.9	1.6
Vinyl Chloride	0.37	ug/m3	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U [0.51 U]	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U

Table 25. Summary of Indoor Air Samples - Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Date Collected:	NYSDOH Upper Fence Criterion ¹	Units	SCHOOL-IA-9 39162	SCHOOL-IA-10 39162
Air Volatiles				
1,1,1-Trichloroethane	2.5	ug/m3	2.3	1.7
1,1,2,2-Tetrachloroethane	0.38	ug/m3	1.4 U	1.4 U
1,1,2-Trichloroethane	0.38	ug/m3	1.1 U	1.1 U
1,1,2-Trichlorotrifluoroethane	2.5	ug/m3	0.41	0.58
1,1-Dichloroethane	0.38	ug/m3	0.81 U	0.81 U
1,1-Dichloroethene	0.4	ug/m3	0.79 U	0.79 U
1,2,3-Trimethylbenzene	-	ug/m3	U	U
1,2,4-Trichlorobenzene	0.47	ug/m3	7.4 U	7.4 U
1,2,4-Trimethylbenzene	9.8	ug/m3	0.98 U	1.6
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.42	ug/m3	1.4 U	1.4 U
1,2-Dichlorobenzene	0.48	ug/m3	1.2 U	1.2 U
1,2-Dichloroethane	0.37	ug/m3	0.81 U	0.81 U
1,2-Dichloropropane	0.39	ug/m3	0.92 U	0.92 U
1,3,5-Trimethylbenzene	3.9	ug/m3	0.98 U	0.43
1,3-Dichlorobenzene	0.46	ug/m3	1.2 U	1.2 U
1,4-Dichlorobenzene	1.2	ug/m3	1.2 U	1
2,2,4-Trimethylpentane	-	ug/m3	U	U
2,3-Dimethylpentane	5.2	ug/m3	U	U
2-methylpentane	-	ug/m3	U	U
Benzene	13	ug/m3	0.18	1.2
Bromomethane	0.48	ug/m3	0.78 U	0.78 U
Carbon Tetrachloride	1.3	ug/m3	1.3 U	0.71
Chlorobenzene	0.41	ug/m3	0.92 U	0.92 U
Chloroethane	0.39	ug/m3	0.53 U	0.53 U
Chloroform	1.2	ug/m3	1.4	6.5
Chloromethane	4.2	ug/m3	1.4	1.5
cis-1,2-Dichloroethene	0.41	ug/m3	0.79 U	0.79 U
cis-1,3-Dichloropropene	0.38	ug/m3	0.91 U	0.91 U
Dibromomethane	-	ug/m3	2.8 U	2.8 U
Dichlorodifluoromethane	10	ug/m3	2.3	2.5
Ethyl Benzene	6.4	ug/m3	0.87 U	1.5
Hexachlorobutadiene	0.49	ug/m3	11 U	11 U
Indane	-	ug/m3	U	U
Indene	-	ug/m3	U	U
Isopentane	-	ug/m3	U	U
Isopropylbenzene	0.82	ug/m3	2 U	2 U
Methylene Chloride	16	ug/m3	1.7 U	1.7 U
m-Xylene & p-Xylene	11	ug/m3	0.87 U	4
Naphthalene	-	ug/m3	2.6 U	2.6 U
n-Butane	-	ug/m3	11	11
n-Decane	15	ug/m3	5.8 U	4.5
n-Dodecane	9.2	ug/m3	7 U	1.3
n-Heptane	18	ug/m3	2 U	0.84
n-Hexane	14	ug/m3	0.15	0.98
n-Octane	5.2	ug/m3	1.9 U	0.39
Nonane	7.9	ug/m3	2.6 U	1.2
n-Undecane	12	ug/m3	6.4 U	2.9
o-Xylene	7.1	ug/m3	0.87 U	1.3
Pentane	-	ug/m3	3.7	2.8
Styrene	1.4	ug/m3	0.85 U	0.44
t-1,3-Dichloropropene	0.4	ug/m3	0.91 U	0.91 U
Tetrachloroethene	2.5	ug/m3	1.4 U	1.1
Thiopene	-	ug/m3	U	U
Toluene	57	ug/m3	0.75 U	5.3
Trichloroethene	0.46	ug/m3	1.1 U	0.29
Trichlorofluoromethane	12	ug/m3	1.5	1.6
Vinyl Chloride	0.37	ug/m3	0.51 U	0.51 U

See Notes on Page 5

Table 26. Summary of Soil Gas and Subslab Vapor Samples - Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Date Collected:	Units	CHURCH-SG-2 39162	CHURCH-SG-2 39162	JR-1115-SS-1 39161	JR-1115-SS-2 39160	JR-1141-SG-1 39161	JR-1141-SG-2 39160	JR-1223-SG-2 39161	JR-1223-SS-1 39161	JR-170-SG-1 39160	JR-170-SG-2 39160	JR-178-SG-1 39161	JR-178-SG-4 39161	SCHOOL-SS-11 39162	SCHOOL-SS-12 39162
Air Volatiles															
1,1,1-Trichloroethane	ug/m3	3.5	14	1.1 U	1.1 U	2.8	1.1 U	12	1.1 U	13	1	1.1 U	0.42	0.9 [1.4]	0.75
1,1,2,2-Tetrachloroethane	ug/m3	1.4 U	37	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U [1.4 U]	1.4 U
1,1,2-Trichloroethane	ug/m3	1.1 U	20 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U [1.1 U]	1.1 U
1,1,2-Trichlorotrifluoroethane	ug/m3	1.4	5.4	0.51	0.61	1.1	1.5 U	1.5	0.5	1.5	1.6	0.52	1.2	0.52 [0.6]	0.59
1,1-Dichloroethane	ug/m3	0.81 U	15 U	0.81 U	0.81 U	0.28	0.81 U	0.81 U	0.81 U	0.53	0.81 U	0.81 U	0.81 U	0.81 U [0.81 U]	0.81 U
1,1-Dichloroethene	ug/m3	0.79 U	14 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U [0.79 U]	0.79 U
1,2,3-Trimethylbenzene	ug/m3	U	U	U	U	U	U	U	U	U	U	U	U	U [U]	U
1,2,4-Trichlorobenzene	ug/m3	7.4 U	130 U	0.76	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U [7.4 U]	7.4 U
1,2,4-Trimethylbenzene	ug/m3	1.4	5.5	6	3.9	1.3	0.98 U	1.8	3.6	1.8	0.38	0.98 U	0.98 U	6.2 [7]	47
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m3	1.4 U	25 U	1.4 U	1.4 U	0.4	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U [1.4 U]	1.4 U
1,2-Dichlorobenzene	ug/m3	1.2 U	22 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U [1.2 U]	1.2 U
1,2-Dichloroethane	ug/m3	0.81 U	15 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U [0.81 U]	0.81 U
1,2-Dichloropropane	ug/m3	0.92 U	17 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U [0.92 U]	0.92 U
1,3,5-Trimethylbenzene	ug/m3	0.6	18 U	1.3	4	1	0.98 U	1.2	2.8	1	0.98 U	0.98 U	0.98 U	1.8 [1.9]	23
1,3-Dichlorobenzene	ug/m3	1.2 U	22 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.9 [1.8]	1.2 U
1,4-Dichlorobenzene	ug/m3	1.2 U	22 U	2.3	0.75	1.2 U	1.2 U	1.2 U	0.82	1.2 U	1.2 U	1.2 U	1.2 U	0.84 [1.1]	0.65
2,2,4-Trimethylpentane	ug/m3	53	1,000	U	U	16	U	U	U	22	44	U	U	U [U]	U
2,3-Dimethylheptane	ug/m3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	U	NA	NA	NA
2,3-Dimethylpentane	ug/m3	44	1,200	U	U	20	U	85	U	27	48	NA	U	U [U]	27
2-methylpentane	ug/m3	U	940	U	U	U	U	76	U	U	U	U	U	U [U]	U
Benzene	ug/m3	4.1	23	37	58	90	0.67	89	58	50	17	0.71	37	24 [28]	140 D
Bromomethane	ug/m3	0.78 U	14 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U [0.78 U]	0.78 U
Butylcyclohexane	ug/m3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	U	NA	NA	NA
Carbon Tetrachloride	ug/m3	0.82	23 U	1.3 U	0.36	0.43	1.3 U	0.79	0.25	0.95	1	0.24	0.65	0.22 [0.33]	0.36
Chlorobenzene	ug/m3	0.92 U	17 U	0.3	0.92 U	0.92 U	0.92 U	0.92 U	0.23	0.92 U	0.92 U	0.92 U	0.92 U	0.39 [0.23]	9.2
Chloroethane	ug/m3	0.53 U	9.6 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U [0.53 U]	0.53 U
Chloroform	ug/m3	0.44	18 U	2.5	9.9	0.98 U	0.98 U	1.7	1.9	7.8	0.7	0.98 U	0.98 U	0.82 [1.2]	27
Chloromethane	ug/m3	1 U	19 U	1 U	1 U	2	3.5	1 U	1 U	1 U	1 U	2	2.3	1 U [1 U]	1 U
cis-1,2-Dichloroethene	ug/m3	0.79 U	14 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U [0.79 U]	0.79 U
cis-1,3-Dichloropropene	ug/m3	0.91 U	17 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U [0.91 U]	0.91 U
Dibromomethane	ug/m3	2.8 U	52 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U [2.8 U]	2.8 U
Dichlorodifluoromethane	ug/m3	2.7	7.9	2	2.5	4.2	6.8	3.1	2.2	3.1	2.6	4.4	4.3	2.1 [2.5]	2.3
Ethyl Benzene	ug/m3	2.3	11	16	10	6.6	0.37	6.9	19	6.2	1.6	0.87 U	0.87 U	3.9 [3.5]	65
Hexachlorobutadiene	ug/m3	11 U	190 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U [11 U]	11 U
Indane	ug/m3	U	U	U	U	U	U	U	U	U	U	NA	U	U [U]	61
Indene	ug/m3	U	U	U	U	U	U	U	U	U	U	U	U	U [U]	U
Isopentane	ug/m3	U	5,600	U	U	16	10	210	U	23	U	U	11	U [U]	U
Isopropylbenzene	ug/m3	0.31	36 U	2.9	0.66	0.35	2 U	0.56	0.82	0.67	2 U	2 U	2 U	0.42 [0.39]	4.2
Methylene Chloride	ug/m3	1.7 U	32 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U [1.7 U]	1.7 U
m-Xylene & p-Xylene	ug/m3	6.1	25	23	19	7.3	1.1	11	25	14	2.9	0.35	0.87 U	7.2 [7.6]	92
Naphthalene	ug/m3	2.6 U	48 U	11	1.2	2.6 U	2.6 U	0.51	1.5	2.6 U	2.6 U	2.6 U	2.6 U	3.1 [4.6]	110
n-Butane	ug/m3	8.9	6,000 D	3.1	4.2	20	12	120	4	36	30	5.8	13	1.5 [2.3]	5.6
n-Decane	ug/m3	18	300	5.8 U	6.6	4.5	5.8 U	17	3.8	1.2	7	5.8 U	5.8 U	16 [19]	15
n-Dodecane	ug/m3	2.7	33	2	4.1	4.4	7 U	3.1	1.2	7 U	0.9	7 U	7 U	30 [46]	21
n-Heptane	ug/m3	10	2,400	3.3	6.3	3.6	0.83	220	9.7	7.1	15	0.31	0.24	3.8 [5.2]	16
n-Hexane	ug/m3	4.4	3,300	3.1	6.2	4.3	1.5	390 D	11	8.6	10	0.51	0.34	1.3 [1.5]	2.8
n-Octane	ug/m3	140	1,800	1.3	2.7	20	0.43	120	4.3	14	84	1.9 U	0.33	0.83 [1]	2.8
Nonane	ug/m3	2.6 U	48 U	1.1	3.6	2.6 U	2.6 U	2.6 U	2.8	2.6 U	2.6 U	2.6 U	0.39	3 [3.3]	5.3
n-Undecane	ug/m3	5.9	76	3.9	5.4	9.1	6.4 U	5	2.2	0.64	1.6	6.4 U	6.4 U	38 [56]	17
o-Xylene	ug/m3	4.8	13	12	6.3	3	0.42	5.6	6.4	4.7	2.1	0.87 U	0.87 U	3 [3.2]	34
Pentane	ug/m3	3.5	4,300 D	3.5	5.3	6.4	3.1	270 D	6.6	20	15	1.4	2.5	1 [1.3]	1.8
Styrene	ug/m3	0.85 U	15 U	1.4	1.3	0.44	0.85 U	0.3	1.6	0.26	0.85 U	0.85 U	0.85 U	1.1 [1]	30
trans-1,3-Dichloropropene	ug/m3	0.91 U	17 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U [0.91 U]	0.91 U
Tetrachloroethene	ug/m3	4.3	9.7	5.7	5.4	0.86	1.4 U	6.8	1.2	12	1.5	0.4	0.27	2.5 [2.7]	6.9
Thiophene	ug/m3	U	U	U	U	U	U	U	U	U	U	U	U	U [U]	U
Toluene	ug/m3	6.3	18	39	51	21	13	49	49	41	7.7	1.7	1.3	14 [15]	150
Trichloroethene	ug/m3	1.1 U	20 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.23	1.1 U	1.1 U	1.1 U	1.1 U [1.1 U]	1.1 U
Trichlorofluoromethane	ug/m3	2.4	11	1.3	1.5	2.9	1.9	2.5	1.2	2.8	2.6	1.4	2.8	1.3 [1.5]	1.4
Vinyl Chloride	ug/m3	0.51 U	9.3 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U [0.51 U]	0.51 U

See Notes on Page 2.

Table 26. Soil Gas and Subslab Vapor Data Analytical Data, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Notes:

-- = No available screening level.

J = Indicates an estimated value.

U = Indicates the constituent was not detected at the PQL. The value preceding the U indicates the PQL.

PQL = practical quantitation limit.

ug/m3 = micrograms per cubic meter.

D = result was obtained from the analysis of a dilution.

Sample identifiers:

SS = subslab vapor

SG = soil gas

See Notes on Page 1.

Table 27. Summary of Ambient Air Samples - Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Sample ID: Date Collected:	NYSDOH Upper Fence Criterion ¹	Units	AA-031907 03/19/07	AA-032007 03/20/07	AA-032107 03/21/07	AA-032207 03/22/07
Air Volatiles						
1,1,1-Trichloroethane	0.6	ug/m3	1.1 U	1.1 U	1.1 U [1.1 U]	1.1 U
1,1,2,2-Tetrachloroethane	0.4	ug/m3	1.4 U	1.4 U	1.4 U [1.4 U]	1.4 U
1,1,2-Trichloroethane	0.3	ug/m3	1.1 U	1.1 U	1.1 U [1.1 U]	1.1 U
1,1,2-Trichlorotrifluoroethane	2.5	ug/m3	0.63 J	0.63 J	0.64 J [0.53 J]	0.53 J
1,1-Dichloroethane	NC	ug/m3	0.81 U	0.81 U	0.81 U [0.81 U]	0.81 U
1,1-Dichloroethene	0.4	ug/m3	0.79 U	0.79 U	0.79 U [0.79 U]	0.79 U
1,2,3-Trimethylbenzene	0.5	ug/m3	U	U	U [U]	U
1,2,4-Trichlorobenzene	0.4	ug/m3	7.4 U	7.4 U	7.4 U [7.4 U]	7.4 U
1,2,4-Trimethylbenzene	1.9	ug/m3	0.66 J	0.98 U	0.55 J [0.98 U]	0.98 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.4	ug/m3	1.4 U	1.4 U	1.4 U [1.4 U]	1.4 U
1,2-Dichlorobenzene	0.4	ug/m3	1.2 U	1.2 U	1.2 U [1.2 U]	1.2 U
1,2-Dichloroethane	0.4	ug/m3	0.81 U	0.81 U	0.81 U [0.81 U]	0.81 U
1,2-Dichloropropane	0.4	ug/m3	0.92 U	0.92 U	0.92 U [0.92 U]	0.92 U
1,3,5-Trimethylbenzene	0.7	ug/m3	0.98 U	0.98 U	0.98 U [0.98 U]	0.98 U
1,3-Dichlorobenzene	0.4	ug/m3	1.2 U	1.2 U	1.2 U [1.2 U]	1.2 U
1,4-Dichlorobenzene	0.5	ug/m3	0.46 J	1.2 U	1.2 U [1.2 U]	1.2 U
2,2,4-Trimethylpentane	0.7	ug/m3	U	U	U [U]	U
2,3-Dimethylpentane	0.8	ug/m3	U	U	U [U]	U
2-methylpentane	--	ug/m3	U	U	U [U]	U
Benzene	4.8	ug/m3	1.8	1.3	1.5 [0.78]	1.2
Bromomethane	0.5	ug/m3	0.78 U	0.78 U	0.78 U [0.78 U]	0.78 U
Carbon Tetrachloride	1.2	ug/m3	0.77 J	0.52 J	0.5 J [0.47 J]	0.51 J
Chlorobenzene	NC	ug/m3	0.92 U	0.92 U	0.92 U [0.92 U]	0.92 U
Chloroethane	0.4	ug/m3	0.53 U	0.53 U	0.53 U [0.53 U]	0.53 U
Chloroform	0.5	ug/m3	0.98 U	0.98 U	0.98 U [0.98 U]	0.98 U
Chloromethane	4.3	ug/m3	1.5	1.4	1.4 [1.2]	1.3
cis-1,2-Dichloroethene	0.4	ug/m3	0.79 U	0.79 U	0.79 U [0.79 U]	0.79 U
cis-1,3-Dichloropropene	0.4	ug/m3	0.91 U	0.91 U	0.91 U [0.91 U]	0.91 U
Dibromomethane	--	ug/m3	2.8 U	2.8 U	2.8 U [2.8 U]	2.8 U
Dichlorodifluoromethane	10	ug/m3	2.4	2.6	2.6 [2.1]	2.2
Ethyl Benzene	1	ug/m3	0.68 J	0.87 U	0.84 J [0.28 J]	0.87 U
Hexachlorobutadiene	0.5	ug/m3	11 U	11 U	11 U [11 U]	11 U
Indane	--	ug/m3	U	U	U [U]	U
Indene	--	ug/m3	U	U	U [U]	U
Isopentane	--	ug/m3	U	U	U [U]	U
Isopropylbenzene	0.4	ug/m3	2 U	2 U	2 U [2 U]	2 U
Methylene Chloride	1.6	ug/m3	1.7 U	1.7 U	1.7 U [1.7 U]	1.7 U
m-Xylene & p-Xylene	1	ug/m3	2	0.87 U	2.7 J [0.74 J]	0.87 U
Naphthalene	--	ug/m3	2.6 U	2.6 U	2.6 U [2.6 U]	2.6 U
n-Butane	--	ug/m3	4.1	5.3	4.4 [2.8]	3.3
n-Decane	0.4	ug/m3	0.64 J	5.8 U	5.8 U [5.8 U]	5.8 U
n-Dodecane	4.7	ug/m3	0.71 J	7 U	7 U [7 U]	7 U
n-Heptane	4.5	ug/m3	2 J	0.28 J	0.91 J [0.46 J]	0.49 J
n-Hexane	2.2	ug/m3	0.93 J	0.85 J	1.1 J [0.94 J]	1.1 J
n-Octane	0.7	ug/m3	0.41 J	1.9 U	0.51 J [1.9 U]	1.9 U
Nonane	2	ug/m3	0.4 J	2.6 U	0.51 J [2.6 U]	2.6 U
n-Undecane	0.4	ug/m3	0.52 J	6.4 U	6.4 U [6.4 U]	6.4 U
o-Xylene	1.5	ug/m3	0.77 J	0.87 U	0.93 [0.22 J]	0.87 U
Pentane	--	ug/m3	1.3 J	3.1	2.1 J [1.7 J]	2.1 J
Styrene	0.5	ug/m3	0.85 U	0.85 U	0.36 J [0.85 U]	0.85 U
t-1,3-Dichloropropene	NC	ug/m3	0.91 U	0.91 U	0.91 U [0.91 U]	0.91 U
Tetrachloroethene	0.7	ug/m3	0.8 J	1.1 J	1.7 [0.87 J]	4.1
Thiopene	--	ug/m3	U	U	U [U]	U
Toluene	5.1	ug/m3	4.1	1.5	7.5 J [3.2 J]	2.8
Trichloroethene	0.4	ug/m3	0.36 J	0.22 J	0.23 J [1.1 U]	1.1 U
Trichlorofluoromethane	5.1	ug/m3	1.2	1.3	1.6 [1.2]	1.2
Vinyl Chloride	0.4	ug/m3	0.51 U	0.51 U	0.51 U [0.51 U]	0.51 U

See Notes on Page 2.

Table 27. Summary of Ambient Air Samples - Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Notes:

(1) NYSDOH 2006, Final Guidance for Evaluating soil Vapor Intrusion in the State of New York, Appendix C, Table C1 .

-- = No available screening level.

J = Indicates an estimated value.

U = Indicates the constituent was not detected at the PQL. The value preceding the U indicates the PQL.

PQL = practical quantitation limit.

ug/m3 = micrograms per cubic meter.

D = result was obtained from the analysis of a dilution.

Bolded and shaded values exceed the NYSDOH Upper Fence criterion.

NC = Upper Fence not calculated. Compound was not detected in any sample.

NYSDOH = New York State Department of Health

Sample identifiers:

AA = ambient air

Table 28. Contaminants of Potential Concern by Environmental Media, Remedial Investigation, Former East 11th Street Works, Manhattan, New York

Analyte	Surface Soil	Subsurface Soil	Groundwater	Indoor Air
VOCs-BTEX				
Benzene		√	√	
Ethyl Benzene		√	√	
Toluene		√	√	
Xylenes (total)		√	√	
Other VOCs				
1,1,1-Trichloroethane				√
1,1,2,2-Tetrachloroethane				
1,2 Dichloro-1,1,2,2-tetrafluoroethane				√
1,2,4-Trimethylbenzene			√	
1,3,5-Trimethylbenzene		√	√	
1,4-Dichlorobenzene				√
2-Butanone		√		
Acetone		√		
Chloroform			√	√
Isopropylbenzene			√	
Methylene Chloride		√	√	√
n-Hexane				
n-Undecane				√
Styrene			√	
Tetrachloroethene				√
Vinyl chloride				√
SVOCs-PAHs				
Acenaphthene		√	√	
Acenaphthylene		√		
Anthracene		√		
Benzo(a)anthracene	√	√	√	
Benzo(a)pyrene	√	√	√	
Benzo(b)fluoranthene	√	√	√	
Benzo(g,h,i)perylene		√		
Benzo(k)fluoranthene	√	√	√	
Chrysene	√	√	√	
Dibenz(a,h)anthracene	√	√		
Fluoranthene	√	√		
Fluorene		√	√	
Indeno(1,2,3-cd)pyrene	√	√	√	
Naphthalene		√	√	
Phenanthrene		√	√	
Pyrene		√		
Other SVOCs				
1,1-Biphenyl			√	
2,4-Dimethylphenol			√	
2-Methylphenol			√	
bis(2-Ethylhexyl)phthalate			√	
Dibenzofuran		√		
p-Cresol		√	√	
Phenol		√	√	
Inorganics				
Arsenic	√	√		
Barium		√		
Cadmium		√		
Chromium	√	√		
Copper		√	√	
Cyanide		√		
Lead	√	√	√	
Mercury	√	√	√	
Nickel		√		
Selenium		√		
Silver	√	√		
Zinc		√		

Figures



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- LEGEND:**
- SS-4 ▲ SURFACE SOIL SAMPLE
 - B-35 ▲ SOIL BORING
 - TT-16 □ TEST TRENCH
 - B-25/MW-1 ● MONITORING WELL
 - ORIGINAL SHORELINE
 - FORMER SITE FEATURES (FIRST OCCURRENCE-1868)
 - FORMER SITE FEATURES (FIRST OCCURRENCE-1903)
 - FORMER SITE FEATURES (FIRST OCCURRENCE-1920)
 - LINE OF CROSS SECTION
 - ④ JACOB RIIS BUILDING NUMBER

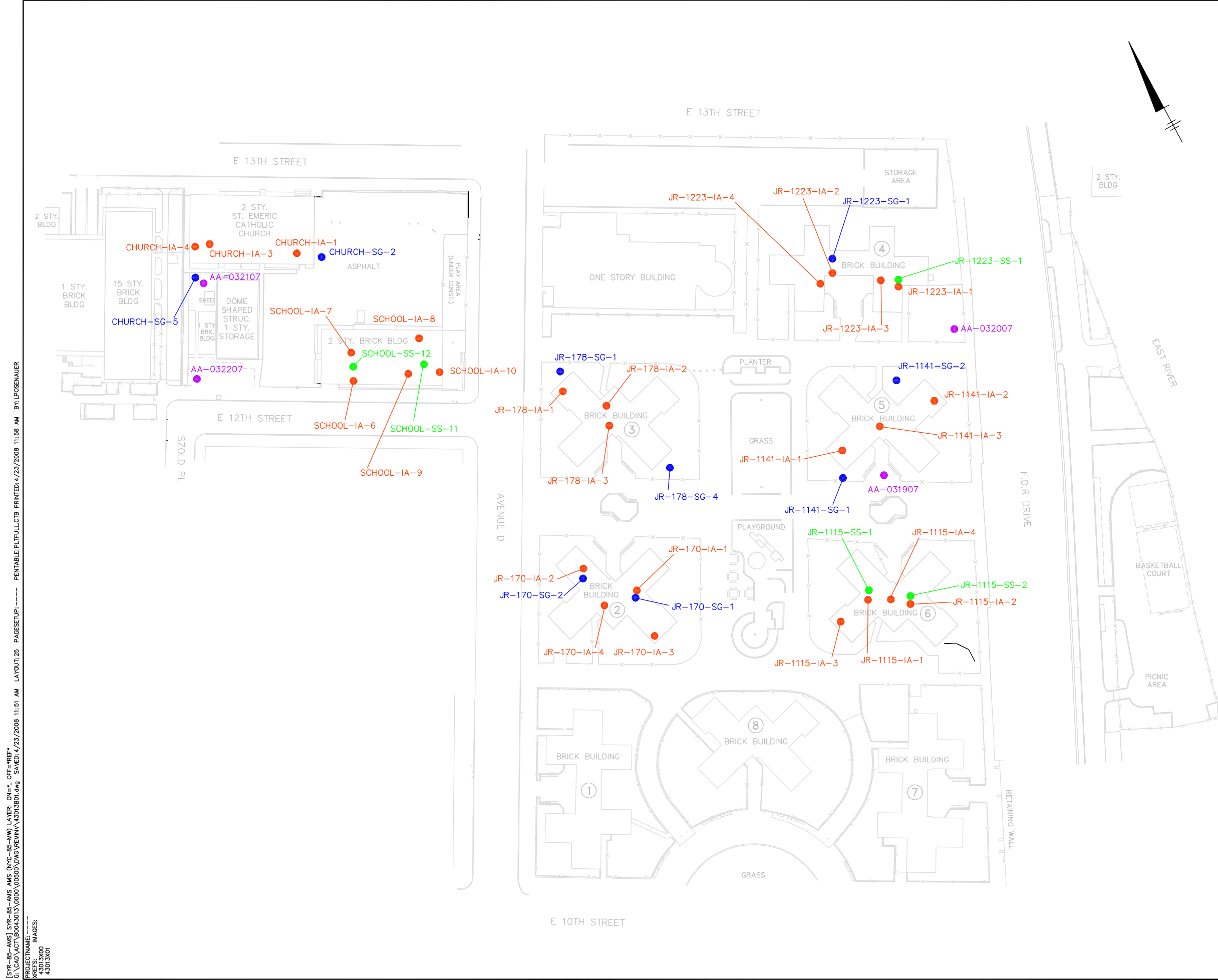
- NOTES:**
1. BASE MAP AND SURVEY CONTROL WAS TAKEN FROM ORIGINAL SURVEY DATED 9/3/2004; SUBMITTED BY B.B.L. ON 8/25/2006.
 2. ALL ELEVATIONS SHOWN ARE IN BOROUGH PRESIDENT OF MANHATTAN VERTICAL DATUM, WHICH IS 2.75 FEET ABOVE MEAN SEA LEVEL AT SANDY HOOK (NGVD29); REFERENCE CITY BENCH MARKS #399 AND #419.
 3. ALL PLANIMETRIC FEATURES SHOWN ARE IN NAD 83 NY STATE PLANE COORDINATE SYSTEM.
 4. THE ORIGINAL SURVEY WAS CONVERTED INTO NEW COORDINATE AND VERTICAL SYSTEM BASED ON 7 TRAVERSE POINTS, RECOVERED IN THE FIELD (#2,3,4,6,7,12, AND 18).

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
FORMER EAST 11TH STREET WORKS
REMEDIAL INVESTIGATION

**SITE PLAN WITH FORMER MGP
STRUCTURES, SAMPLE LOCATIONS,
AND CROSS SECTION TRANSECTS**

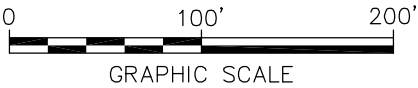
**ARCADIS** BBL
infrastructure, environment, facilities

FIGURE
3



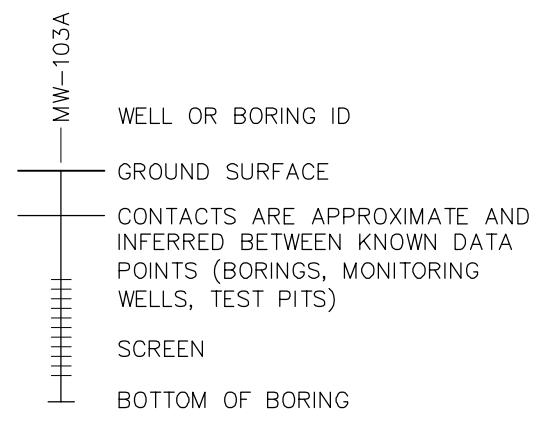
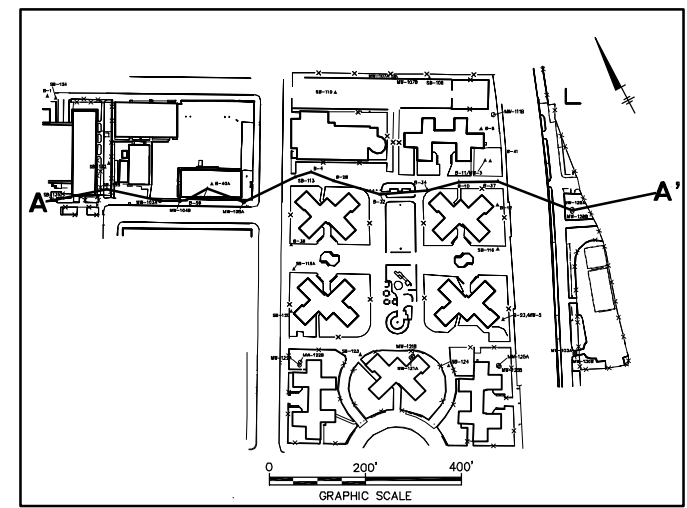
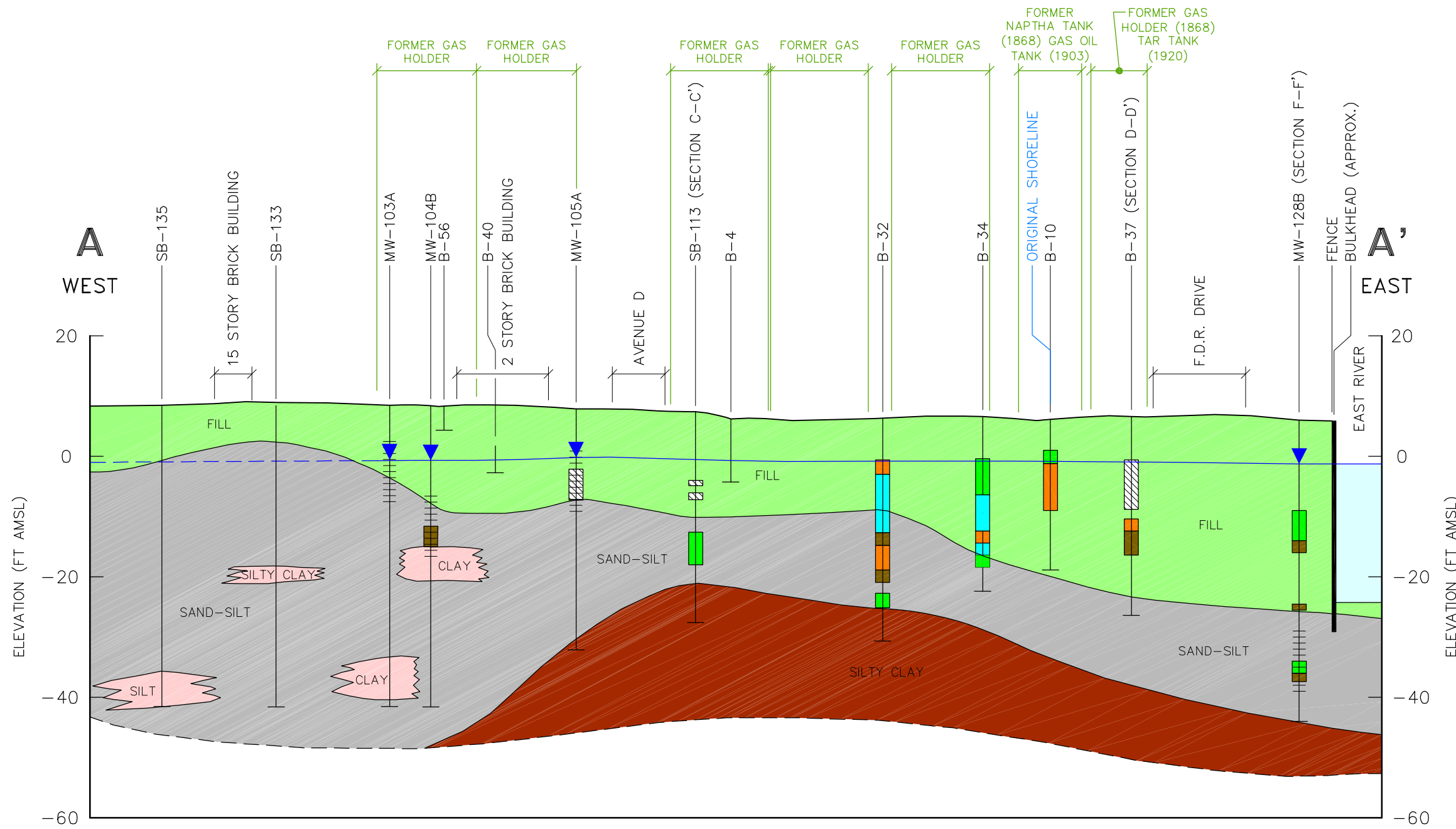
- LEGEND:**
- JR-1223-SS-1 ● SUB-SLAB (SS)
 - JR-1141-IA-2 ● INDOOR AIR (IA)
 - JR-170-SG-2 ● SOIL GAS (SG)
 - AA-032007 ● AMBIENT AIR (AA)
 - ④ JACOB RIIS BUILDING NUMBER

- NOTES:**
1. BASE MAP AND SURVEY CONTROL WAS TAKEN FROM ORIGINAL SURVEY DATED 9/3/2004; SUBMITTED BY B.B.L. ON 8/25/2006.
 2. ALL ELEVATIONS SHOWN ARE IN BOROUGH PRESIDENT OF MANHATTAN VERTICAL DATUM, WHICH IS 2.75 FEET ABOVE MEAN SEA LEVEL AT SANDY HOOK (NGVD29); REFERENCE CITY BENCH MARKS #399 AND #419.
 3. ALL PLANIMETRIC FEATURES SHOWN ARE IN NAD 83 NY STATE PLANE COORDINATE SYSTEM.
 4. THE ORIGINAL SURVEY WAS CONVERTED INTO NEW COORDINATE AND VERTICAL SYSTEM BASED ON 7 TRAVERSE POINTS, RECOVERED IN THE FIELD (#2,3,4,6,7,12, AND 18).
 5. ALL LOCATIONS ARE APPROXIMATE.



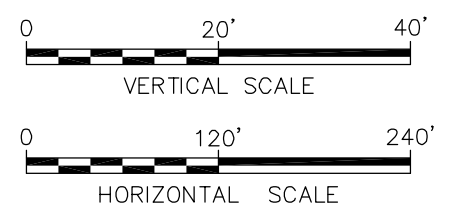
CONSOLIDATED EDISON COMPANY OF NEW YORK, INC. FORMER EAST 11TH STREET WORKS REMEDIAL INVESTIGATION	
SITE PLAN WITH AIR SAMPLE LOCATIONS	
 infrastructure, environment, facilities	FIGURE 4

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- LEGEND:**
- APPROXIMATE GROUNDWATER LEVELS AS MEASURED ON MARCH 5, 2007
 - TAR-LIKE MATERIAL (TLM)
 - OIL-LIKE MATERIAL (OLM)
 - OLM AND TLM
 - SHEEN
 - WOOD
 - AMSL ABOVE MEAN SEA LEVEL
 - FILL
 - ALLUVIAL SAND-SILT UNIT
 - GLACIOLUCSTRINE SILTY-CLAY UNIT

- NOTES:**
- ALL ELEVATIONS SHOWN ARE IN BOROUGH PRESIDENT OF MANHATTAN VERTICAL DATUM, WHICH IS 2.75 FEET ABOVE MEAN SEA LEVEL AT SANDY HOOK (NGVD29); REFERENCE CITY BENCH MARKS #399 AND #419.
 - NO UNDERGROUND UTILITY CONDUITS ARE SHOWN.
 - ELEVATIONS OF EAST RIVER WATER LEVEL AND BOTTOM OF THE RIVER ARE APPROXIMATE.



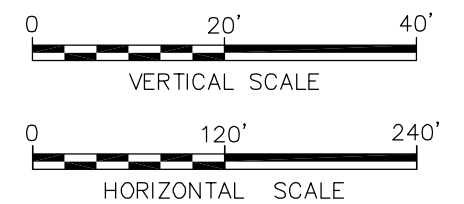
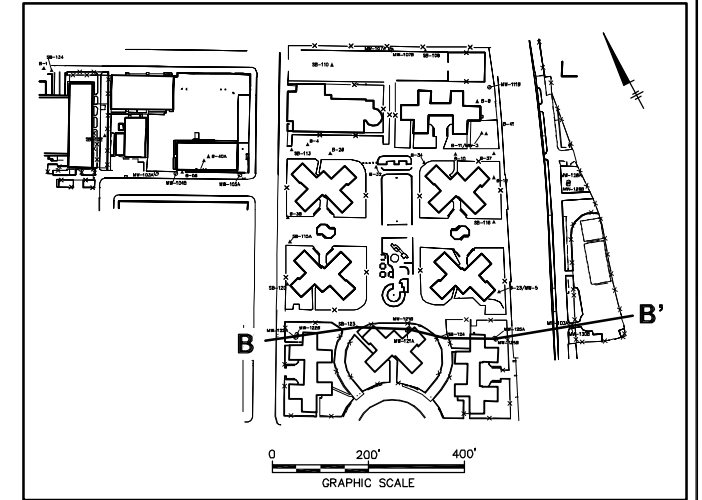
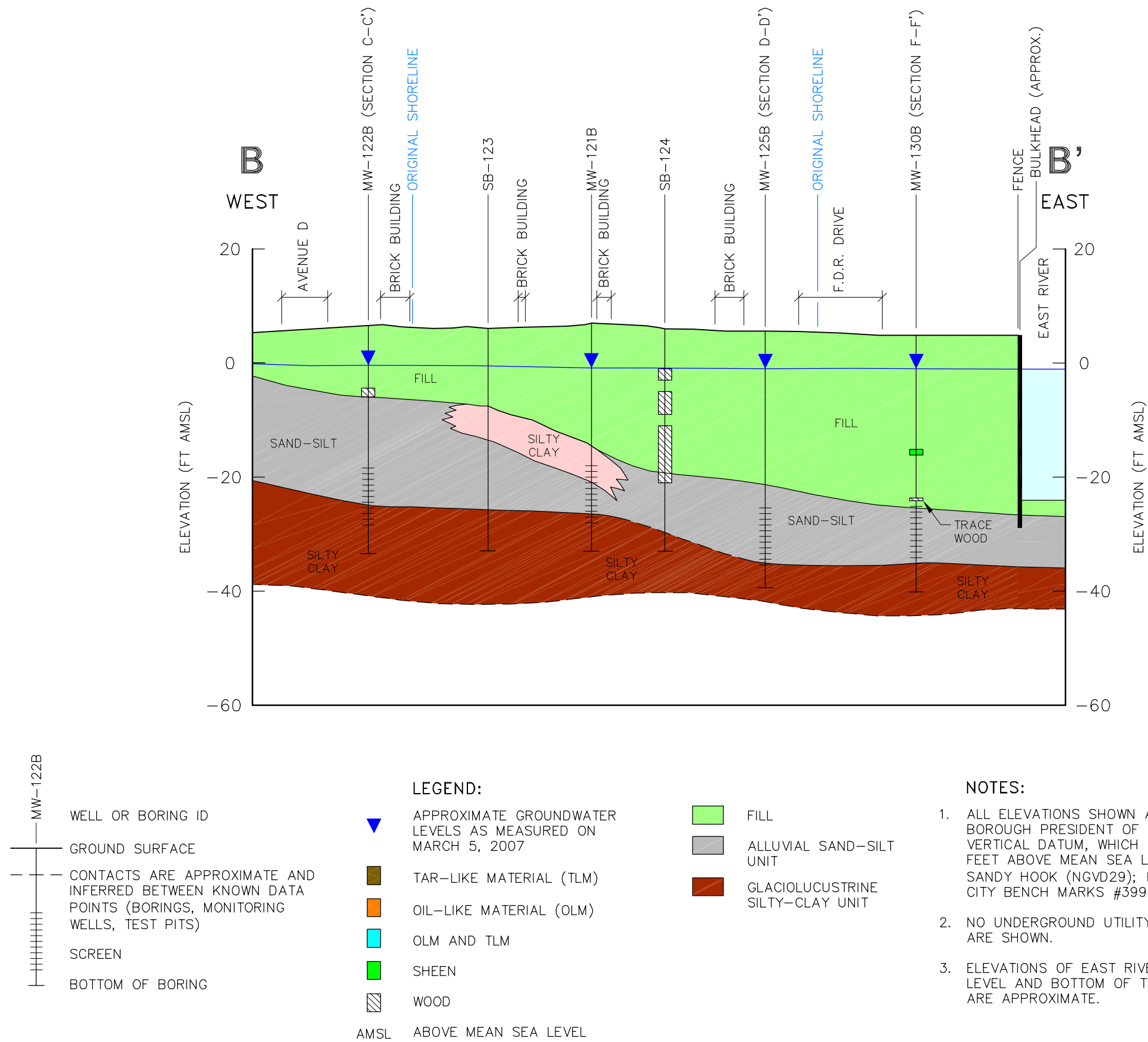
CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
FORMER EAST 11TH STREET WORKS
REMEDIAL INVESTIGATION

**GENERALIZED GEOLOGIC
CROSS SECTION A-A'**

ARCADIS BBL
infrastructure, environment, facilities

FIGURE
5

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FORMER EAST 11TH STREET WORKS
REMEDIAL INVESTIGATION

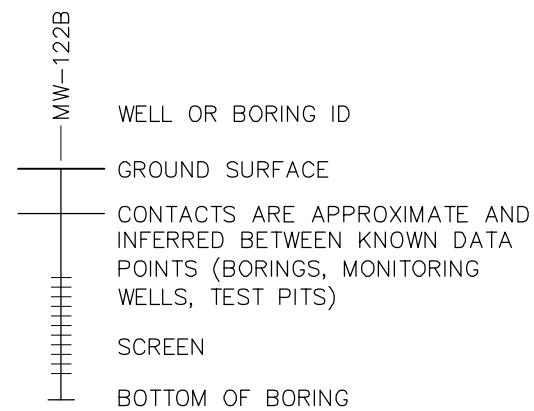
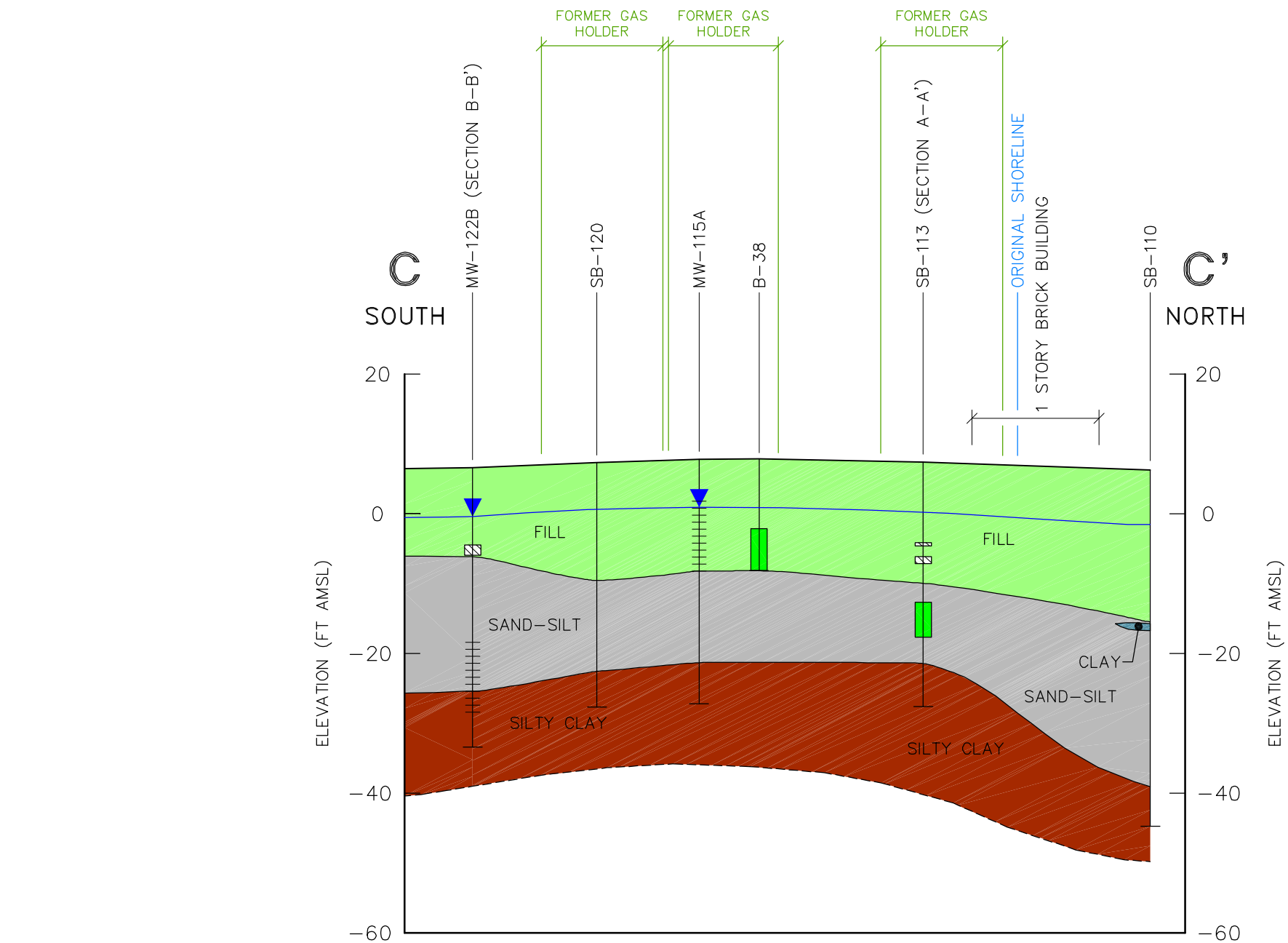
GENERALIZED GEOLOGIC CROSS SECTION B-B'



FIGURE

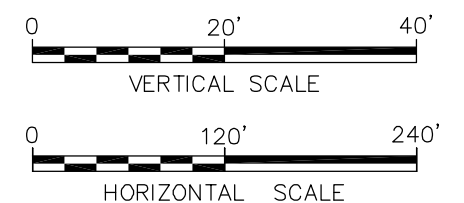
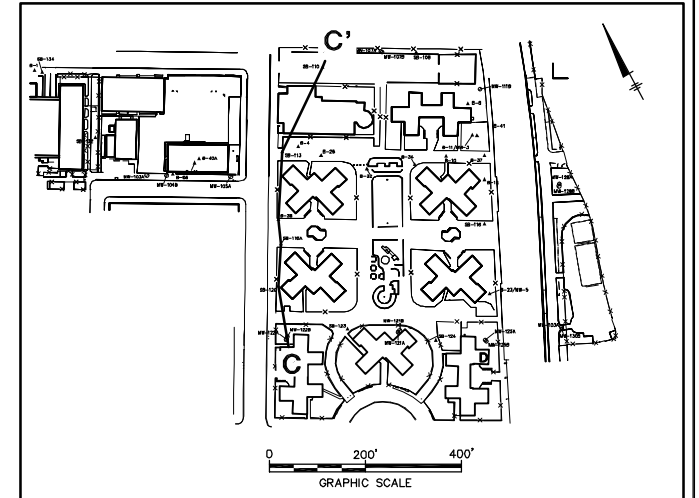
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- LEGEND:**
- APPROXIMATE GROUNDWATER LEVELS AS MEASURED ON MARCH 5, 2007
 - TAR-LIKE MATERIAL (TLM)
 - OIL-LIKE MATERIAL (OLM)
 - OLM AND TLM
 - SHEEN
 - WOOD
 - AMSL ABOVE MEAN SEA LEVEL
 - FILL
 - ALLUVIAL SAND-SILT UNIT
 - GLACIOLACUSTRINE SILTY-CLAY UNIT

- NOTE:**
- ALL ELEVATIONS SHOWN ARE IN BOROUGH PRESIDENT OF MANHATTAN VERTICAL DATUM, WHICH IS 2.75 FEET ABOVE MEAN SEA LEVEL AT SANDY HOOK (NGVD29); REFERENCE CITY BENCH MARKS #399 AND #419.
 - NO UNDERGROUND UTILITY CONDUITS ARE SHOWN.

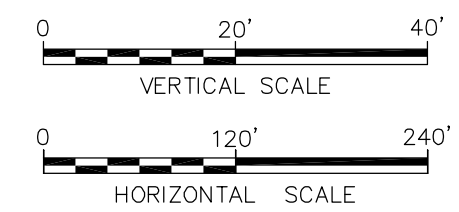
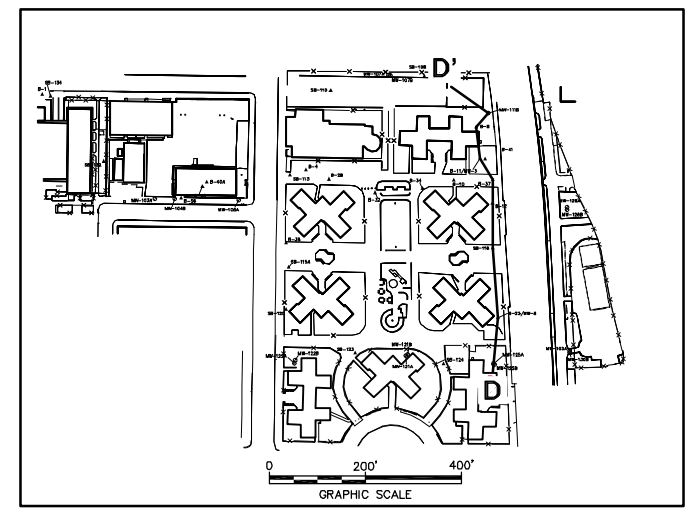
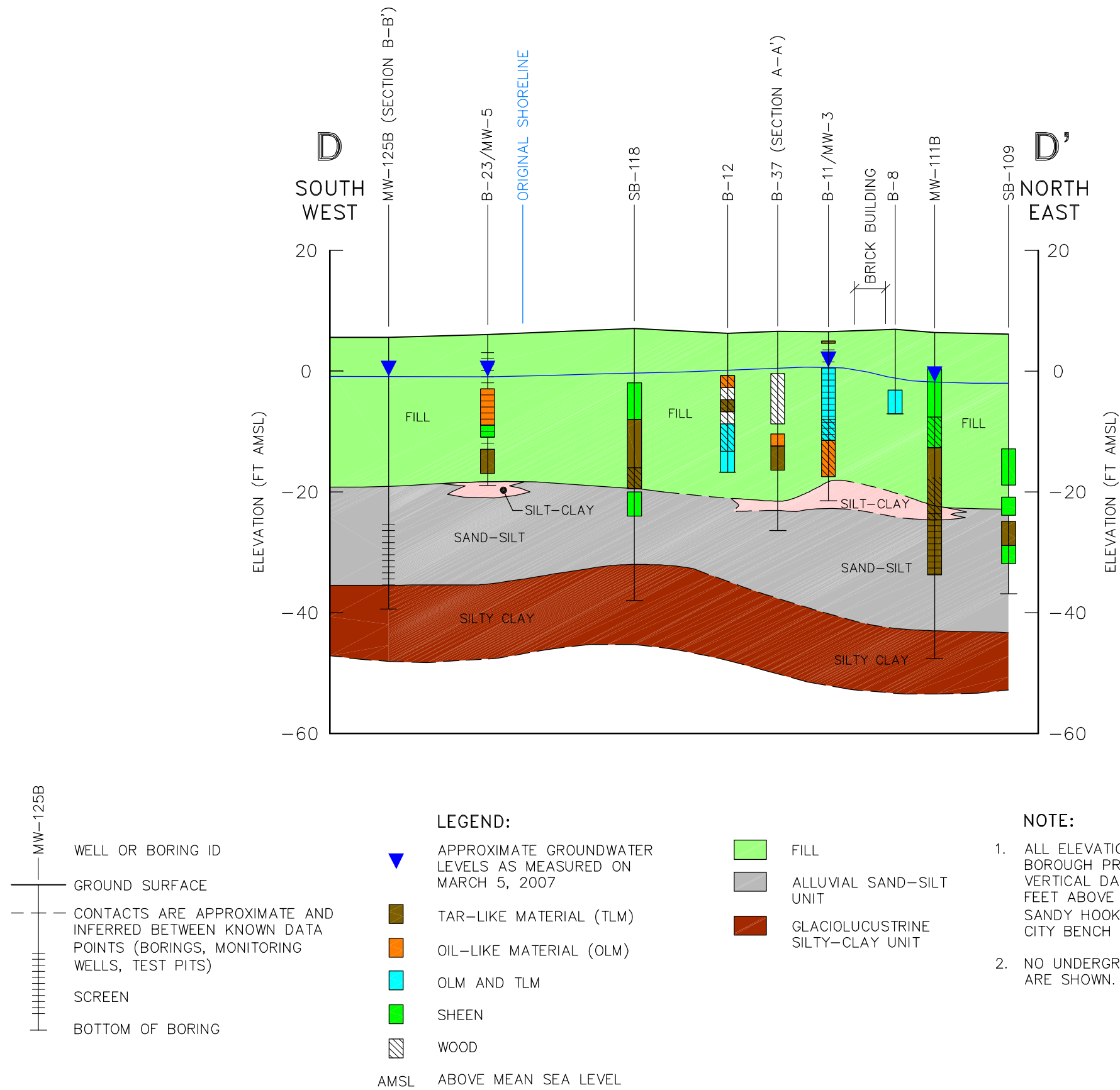


CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
FORMER EAST 11TH STREET WORKS
REMEDIAL INVESTIGATION

**GENERALIZED GEOLOGIC
CROSS SECTION C-C'**



[SYR-85-RCA] SYR-85-RCA PQL RCA LAYER: ON=*. OFF=REF. (RZ)
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PROJECTNAME: 43013X000 IMAGES: 43013X001
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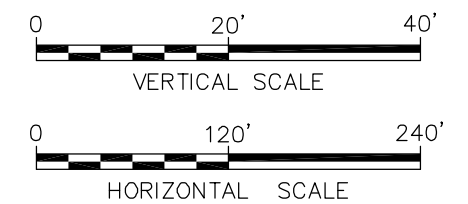
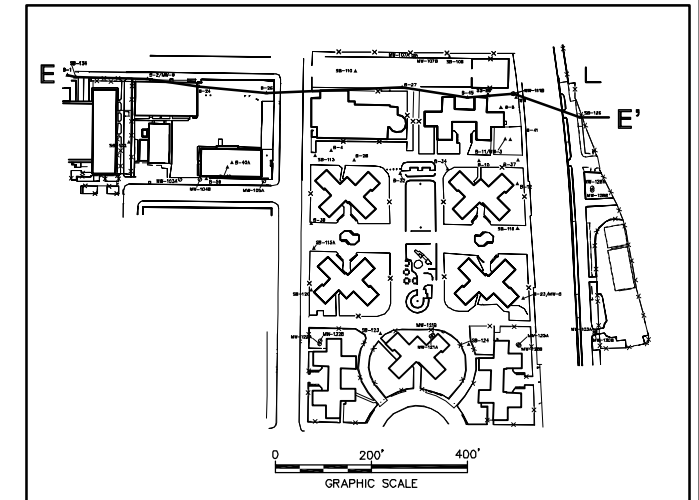
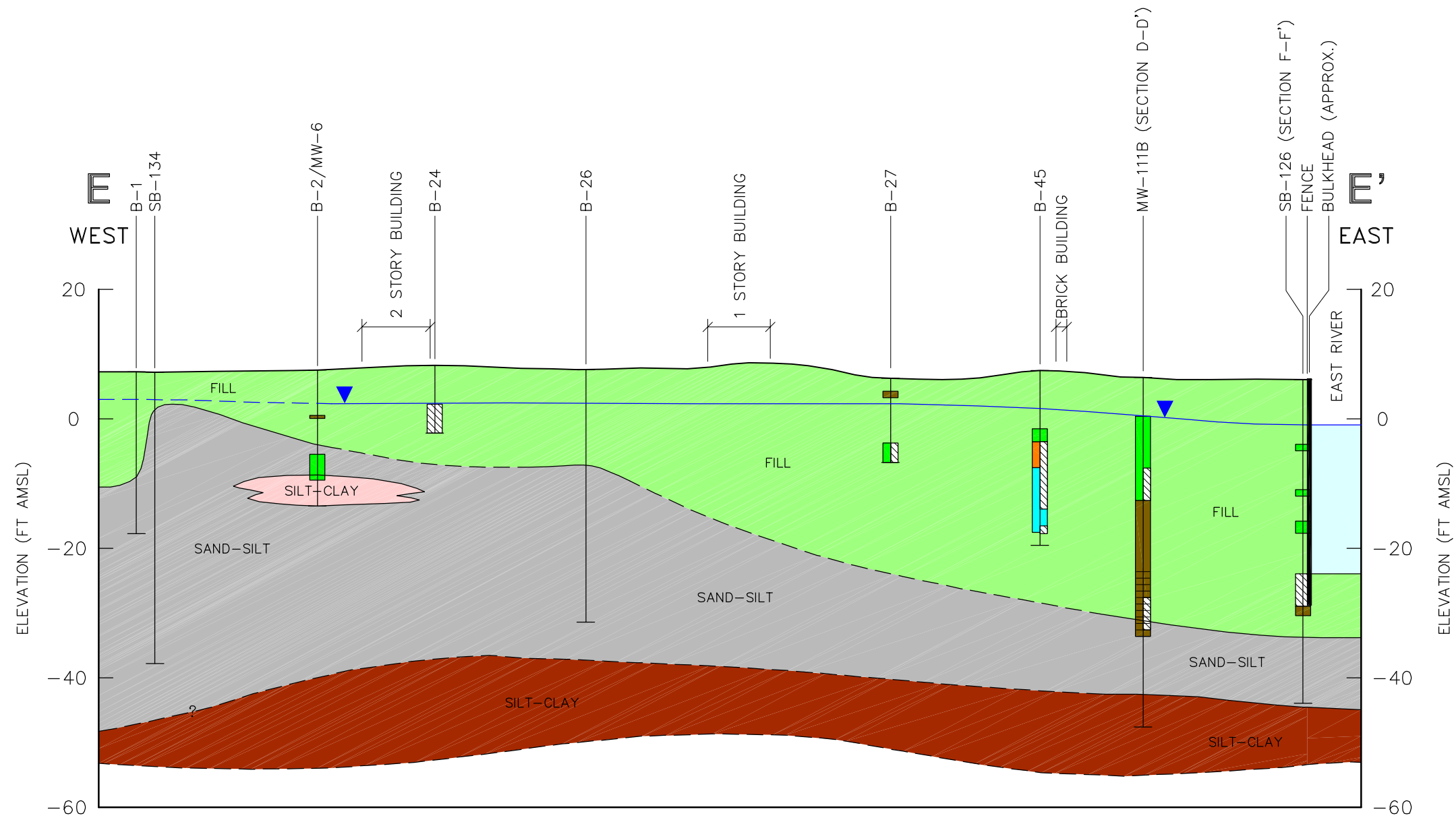


CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
FORMER EAST 11TH STREET WORKS
REMEDIAL INVESTIGATION

**GENERALIZED GEOLOGIC
CROSS SECTION D-D'**

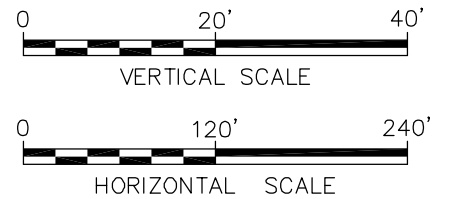
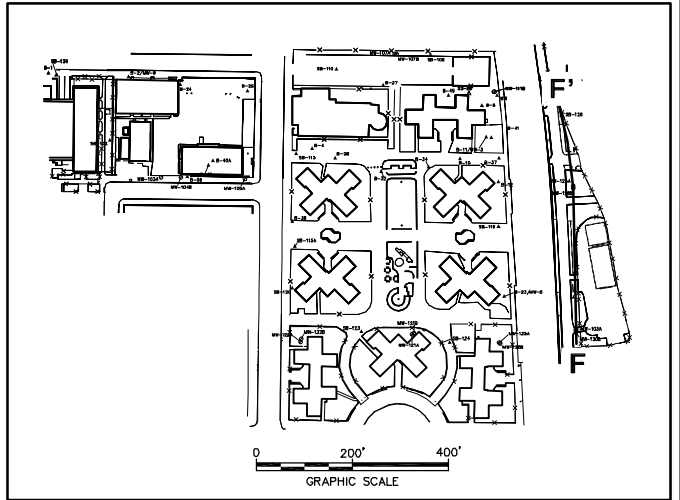
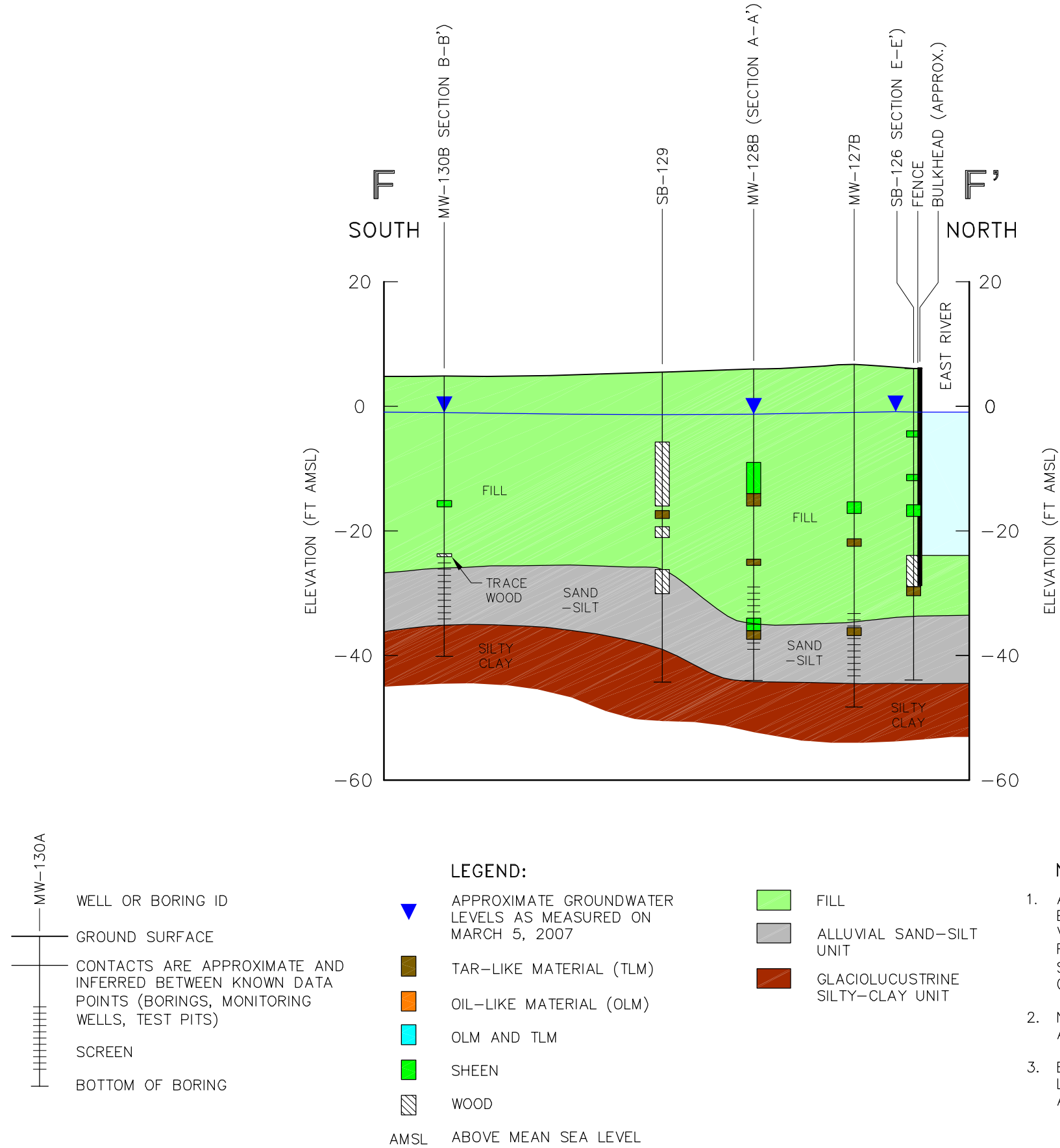
infrastructure, environment, facilities

FIGURE
8



CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
FORMER EAST 11TH STREET WORKS
REMEDIAL INVESTIGATION

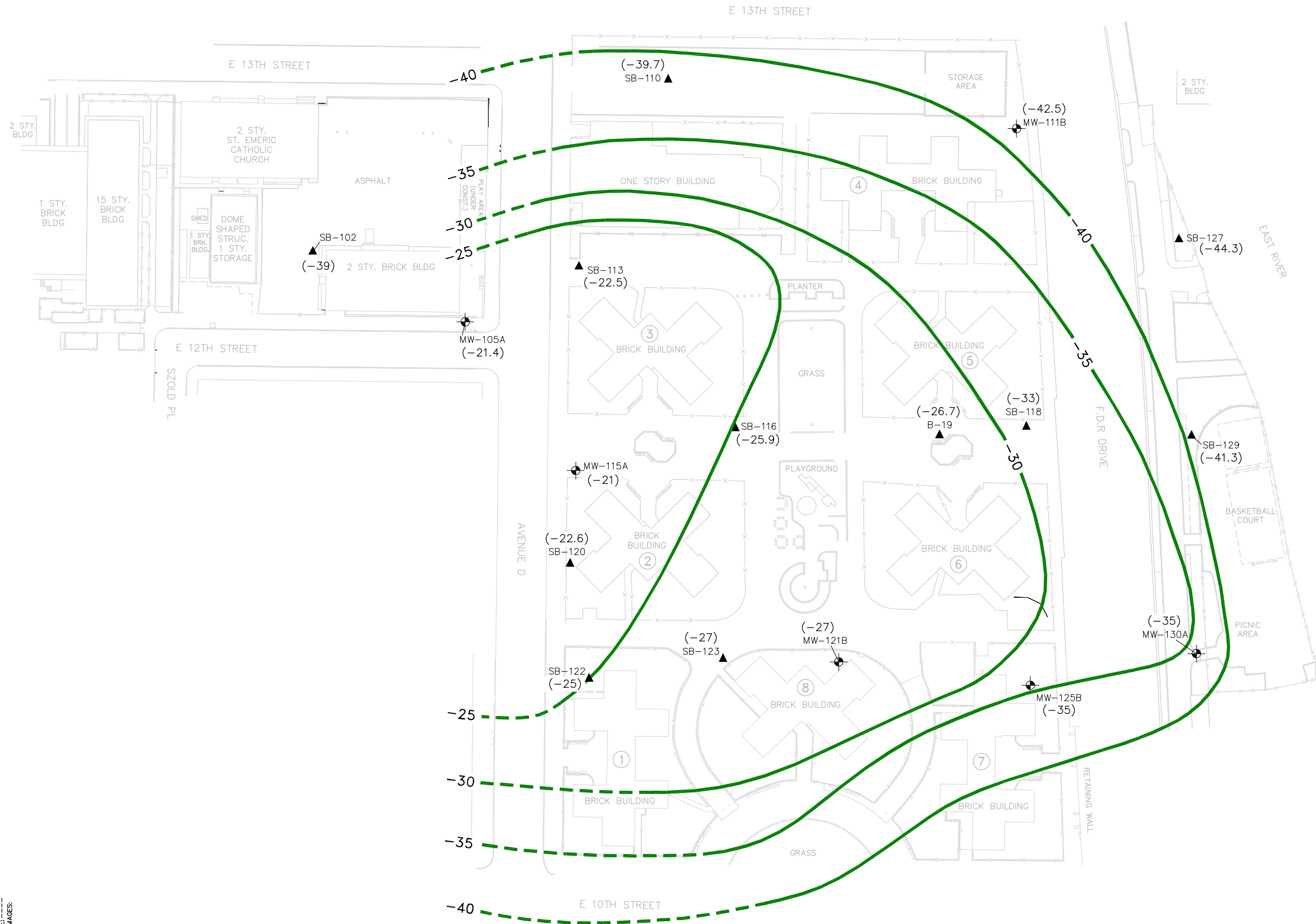
GENERALIZED GEOLOGIC CROSS SECTION E-E'



CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
FORMER EAST 11TH STREET WORKS
REMEDIAL INVESTIGATION

**GENERALIZED GEOLOGIC
CROSS SECTION F-F'**

[SYR-85-RCA] SYR-85-AMS RCA (NYC-85-MW) LAYER: ON=*, OFF=REF*
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PROJECT NAME: 43013X00
PAGES: 43013X00
IMAGES: 43013X01



LEGEND:

- SB-127 ▲ SOIL BORING
- MW-106A ● MONITORING WELL
- (-26.7) TOP OF CLAY ELEVATION
- 25 ——— TOP OF CLAY ELEVATION CONTOUR
- ④ JACOB RIIS BUILDING NUMBER

NOTES:

1. BASE MAP AND SURVEY CONTROL WAS TAKEN FROM ORIGINAL SURVEY DATED 9/3/2004; SUBMITTED BY B.B.L. ON 8/25/2006.
2. ALL ELEVATIONS SHOWN ARE IN BOROUGH PRESIDENT OF MANHATTAN VERTICAL DATUM, WHICH IS 2.75 FEET ABOVE MEAN SEA LEVEL AT SANDY HOOK (NGVD29); REFERENCE CITY BENCH MARKS #399 AND #419.
3. ALL PLANIMETRIC FEATURES SHOWN ARE IN NAD 83 NY STATE PLANE COORDINATE SYSTEM.
4. THE OLD SURVEY WAS CONVERTED INTO NEW COORDINATE AND VERTICAL SYSTEM BASED ON 7 TRAVERSE POINTS, RECOVERED IN THE FIELD (#2,3,4,6,7,12, AND 18).

0 100' 200'

GRAPHIC SCALE

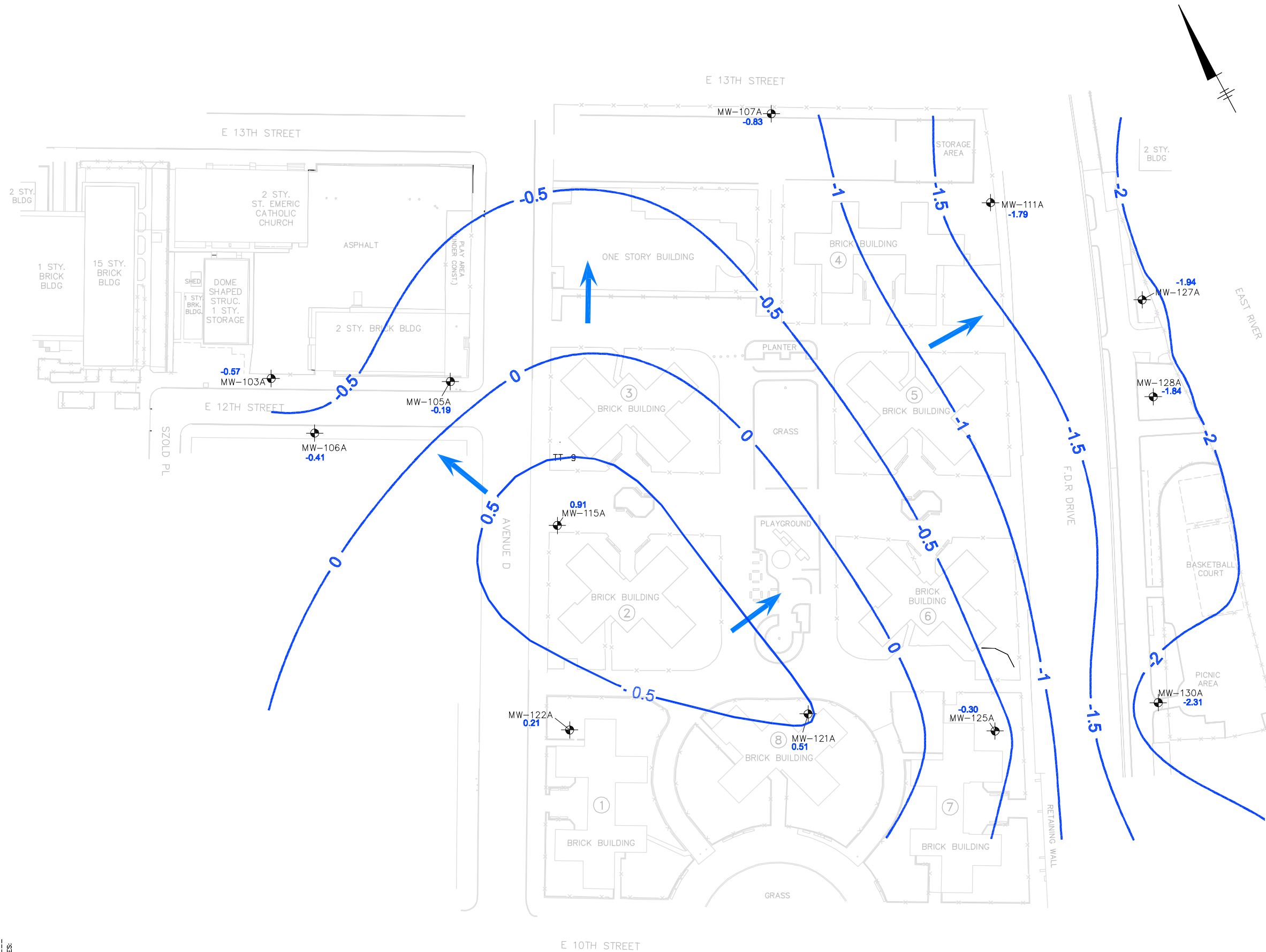
CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
FORMER EAST 11TH STREET WORKS
REMEDIAL INVESTIGATION

**TOP OF CLAY ELEVATION CONTOUR
MAP**

ARCADIS BBL
infrastructure, environment, facilities

FIGURE
11

[SYR-85-RCA1 AMS RCA (NYC-85-MW) LAYER: ON=*, OFF=REF, (FRZ)
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PROJECT NAME: 43013X00
PRESS: 43013X00
IMAGES: 43013X01



LEGEND:

MW-106A MONITORING WELL (REMEDIAL INVESTIGATION)

-1.84 GROUNDWATER ELEVATIONS IN FEET ABOVE OR BELOW BOROUGH PRESIDENT OF MANHATTAN VERTICAL DATUM

-1.0 GROUNDWATER CONTOUR

APPROXIMATE GROUNDWATER FLOW DIRECTION

4 JACOB RIIS BUILDING NUMBER

NOTES:

1. BASE MAP AND SURVEY CONTROL WAS TAKEN FROM ORIGINAL SURVEY DATED 9/3/2004; SUBMITTED BY B.B.L. ON 8/25/2006.
2. ALL ELEVATIONS SHOWN ARE IN BOROUGH PRESIDENT OF MANHATTAN VERTICAL DATUM, WHICH IS 2.75 FEET ABOVE MEAN SEA LEVEL AT SANDY HOOK (NGVD29); REFERENCE CITY BENCH MARKS #399 AND #419.
3. ALL PLANIMETRIC FEATURES SHOWN ARE IN NAD 83 NY STATE PLANE COORDINATE SYSTEM.
4. THE ORIGINAL SURVEY WAS CONVERTED INTO NEW COORDINATE AND VERTICAL SYSTEM BASED ON 7 TRAVERSE POINTS, RECOVERED IN THE FIELD (#2,3,4,6,7,12, AND 18).
5. DEEP MONITORING WELLS ARE DENOTED WITH A "B" (i.e., MW-104B); ALL OTHER WELLS ARE WATER TABLE WELLS.

0 100' 200'

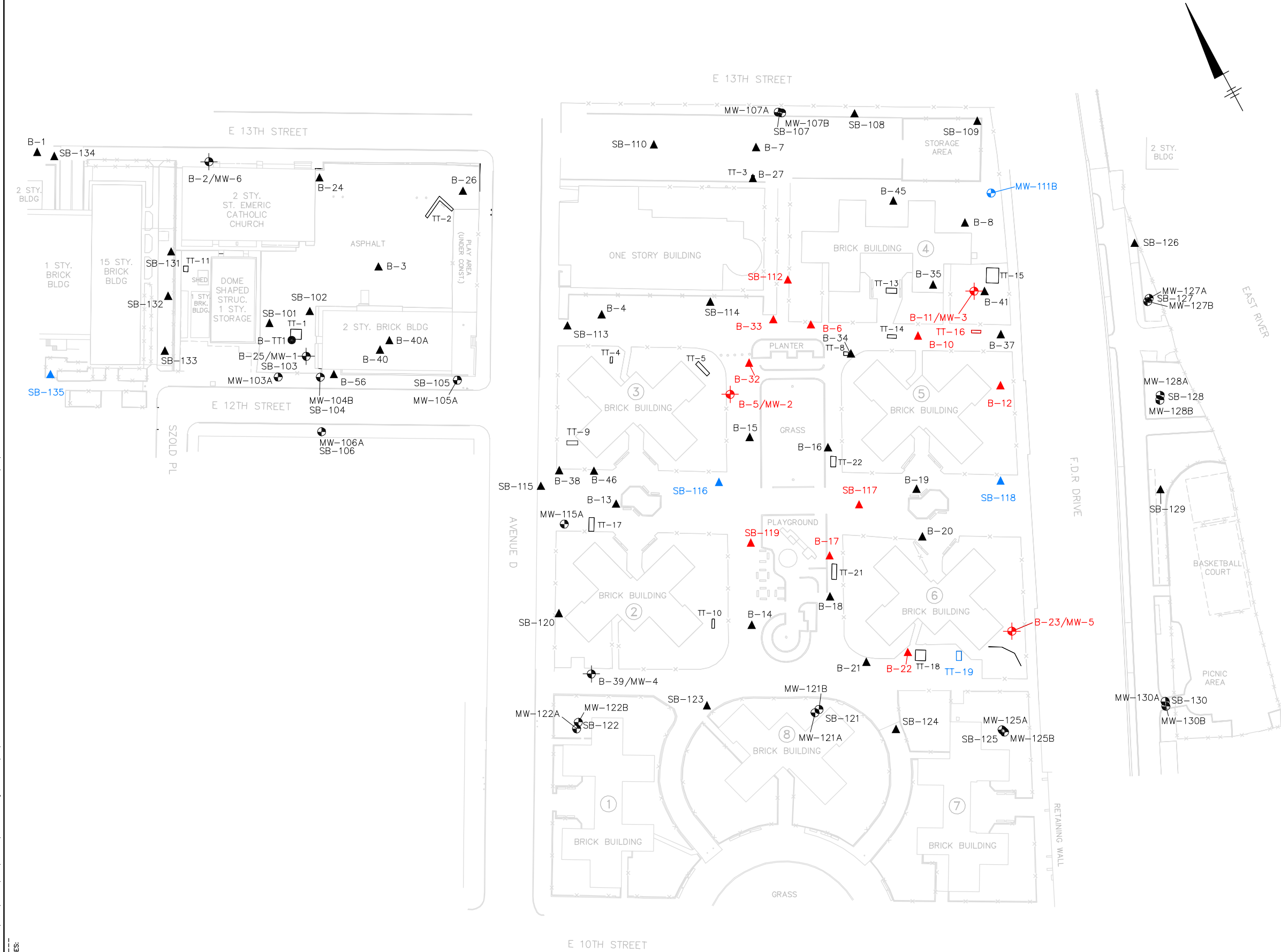
GRAPHIC SCALE

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
FORMER EAST 11TH STREET WORKS
REMEDIAL INVESTIGATION

**SHALLOW GROUNDWATER ELEVATION
CONTOUR MAP - (MARCH 5, 2007)**

 **ARCADIS** BBL
infrastructure, environment, facilities

FIGURE
12

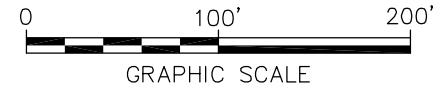


LEGEND:

- SB-127 ▲ SOIL BORING
- MW-106A ● MONITORING WELL
- SB-127 ▲ TT-16 ■ INDICATES OLM/TLM WAS OBSERVED DURING FIELD SAMPLING
- SB-116 ▲ TT-16 ■ INDICATES SHEEN WAS OBSERVED DURING FIELD SAMPLING
- ④ JACOB RIIS BUILDING NUMBER

NOTES:

1. BASE MAP AND SURVEY CONTROL WAS TAKEN FROM ORIGINAL SURVEY DATED 9/3/2004; SUBMITTED BY B.B.L. ON 8/25/2006.
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4. THE OLD SURVEY WAS CONVERTED INTO NEW COORDINATE AND VERTICAL SYSTEM BASED ON 7 TRAVERSE POINTS, RECOVERED IN THE FIELD (#2,3,4,6,7,12, AND 18).
5. OLM = OIL-LIKE MATERIAL
TLM = TAR-LIKE MATERIAL
MGP = MANUFACTURED GAS PLANT

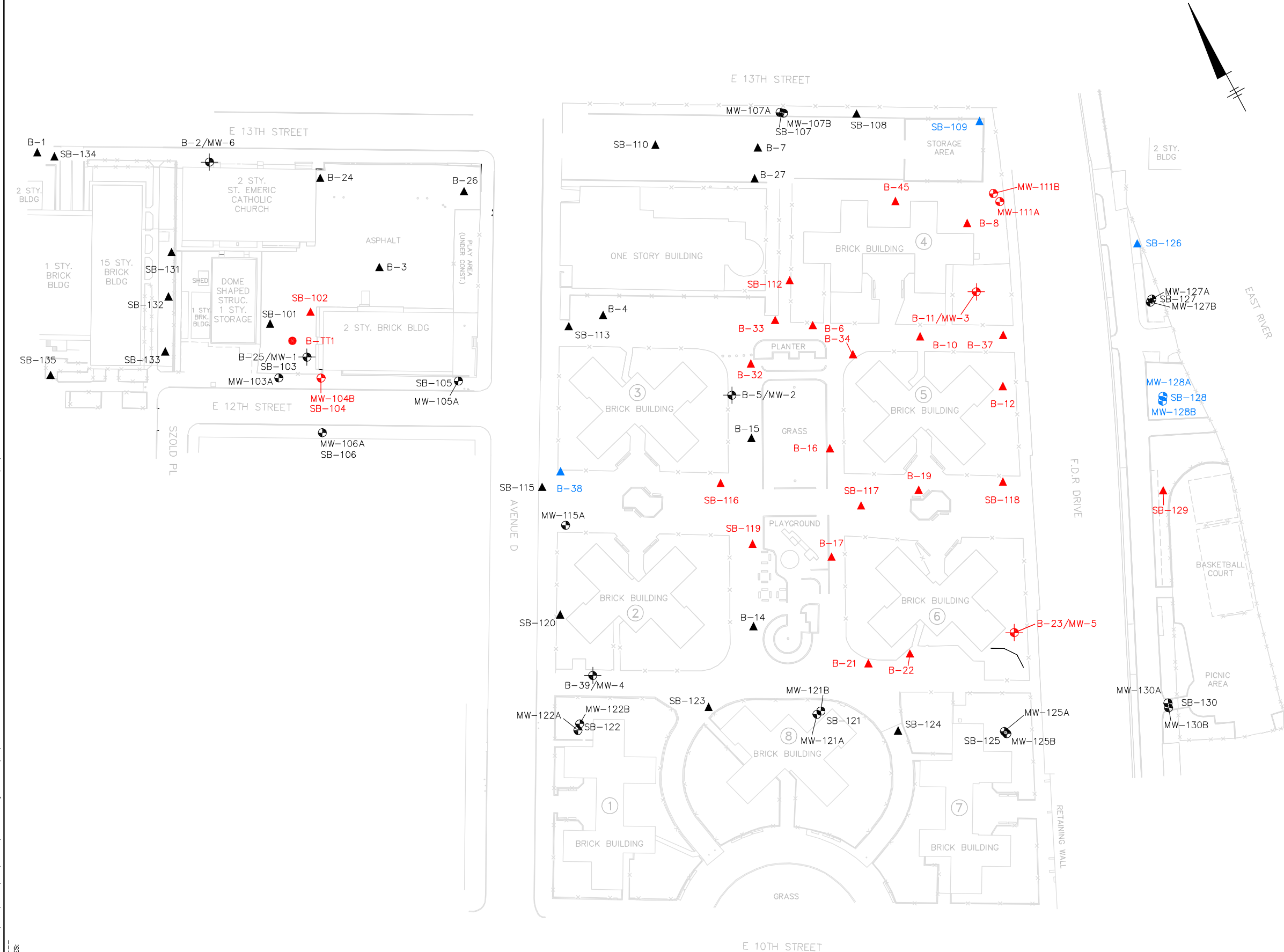


CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
FORMER EAST 11TH STREET WORKS
REMEDIAL INVESTIGATION

SUMMARY OF VISUAL MGP IMPACTS
0 - 10 FEET

**ARCADIS** BBL
infrastructure, environment, facilities

FIGURE
13

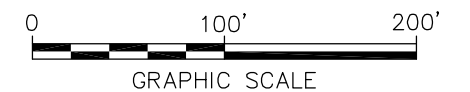


LEGEND:

- SB-127 ▲ SOIL BORING
- MW-106A ● MONITORING WELL
- SB-127 + MW-106A INDICATES OLM/TLM WAS OBSERVED DURING FIELD SAMPLING
- SB-126 + MW-106A INDICATES SHEEN WAS OBSERVED DURING FIELD SAMPLING
- ④ JACOB RIIS BUILDING NUMBER

NOTES:

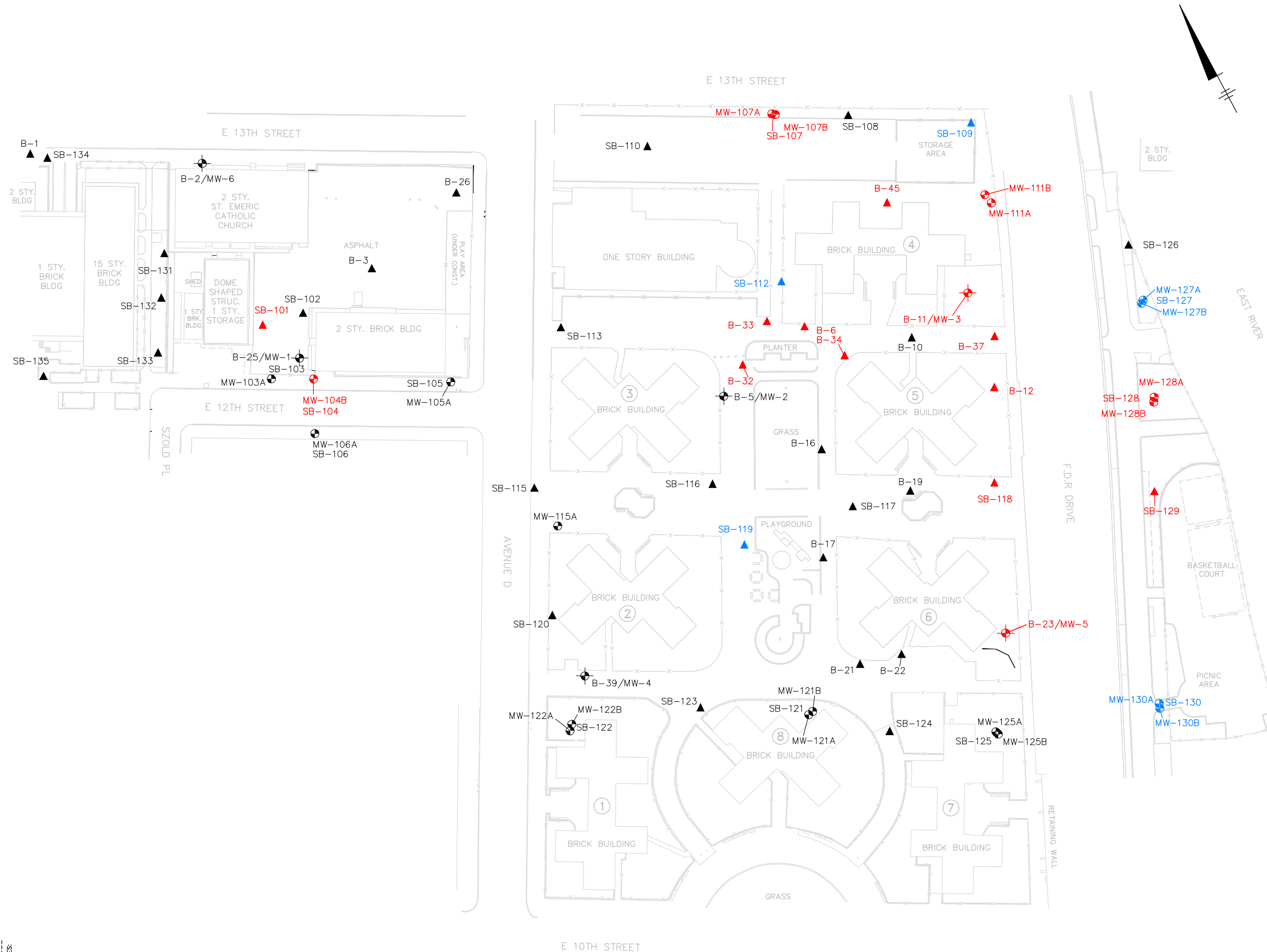
1. BASE MAP AND SURVEY CONTROL WAS TAKEN FROM ORIGINAL SURVEY DATED 9/3/2004; SUBMITTED BY B.B.L. ON 8/25/2006.
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TLM = TAR-LIKE MATERIAL
MGP = MANUFACTURED GAS PLANT



CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
FORMER EAST 11TH STREET WORKS
REMEDIAL INVESTIGATION

**SUMMARY OF VISUAL MGP IMPACTS
10 - 20 FEET**

[CITY-DIV-PCA] [SYR-85-AMS RCA (NYC-85-MW) LAYER: ON=*, OFF=REF*]
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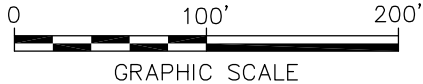


LEGEND:

- SB-127 ▲ SOIL BORING
- MW-106A ● MONITORING WELL
- SB-127 ▲ MW-106A INDICATES OLM/TLM WAS OBSERVED DURING FIELD SAMPLING
- SB-126 ▲ MW-106A INDICATES SHEEN WAS OBSERVED DURING FIELD SAMPLING
- ④ JACOB RIIS BUILDING NUMBER

NOTES:

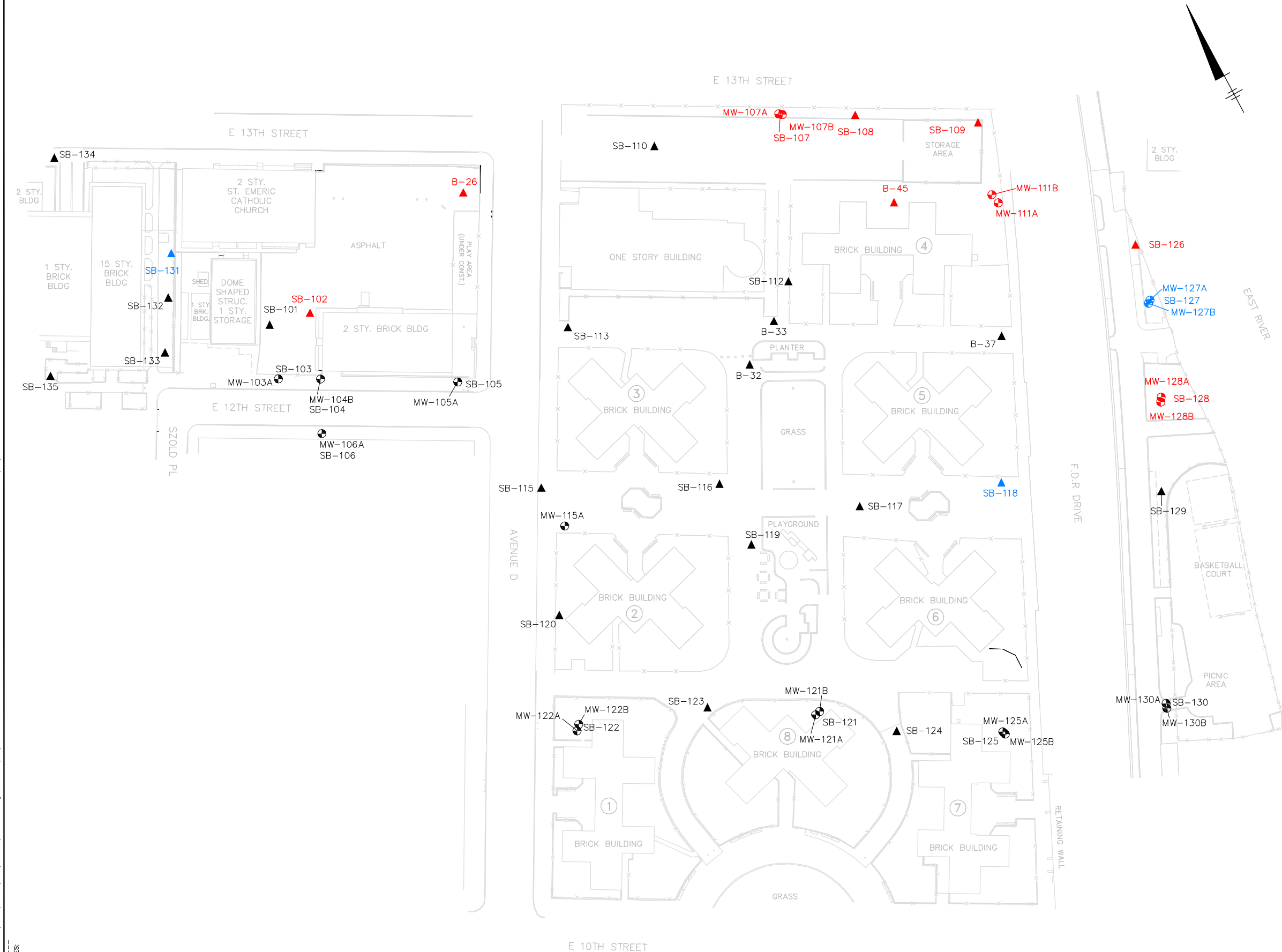
1. BASE MAP AND SURVEY CONTROL WAS TAKEN FROM ORIGINAL SURVEY DATED 9/3/2004; SUBMITTED BY B.B.L. ON 8/25/2006.
2. ALL ELEVATIONS SHOWN ARE IN BOROUGH PRESIDENT OF MANHATTAN VERTICAL DATUM, WHICH IS 2.75 FEET ABOVE MEAN SEA LEVEL AT SANDY HOOK (NGVD29); REFERENCE CITY BENCH MARKS #399 AND #419.
3. ALL PLANIMETRIC FEATURES SHOWN ARE IN NAD 83 NY STATE PLANE COORDINATE SYSTEM.
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5. OLM = OIL-LIKE MATERIAL
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MGP = MANUFACTURED GAS PLANT



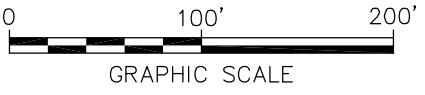
CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
FORMER EAST 11TH STREET WORKS
REMEDIAL INVESTIGATION

**SUMMARY OF VISUAL MGP IMPACTS
20 - 30 FEET**





- LEGEND:**
- SB-127 ▲ SOIL BORING
 - MW-106A ● MONITORING WELL
 - SB-127 ▲, MW-106A ● INDICATES OLM/TLM WAS OBSERVED DURING FIELD SAMPLING
 - SB-126 ▲, MW-106A ● INDICATES SHEEN WAS OBSERVED DURING FIELD SAMPLING
 - ④ JACOB RIIS BUILDING NUMBER
- NOTES:**
1. BASE MAP AND SURVEY CONTROL WAS TAKEN FROM ORIGINAL SURVEY DATED 9/3/2004; SUBMITTED BY B.B.L. ON 8/25/2006.
 2. ALL ELEVATIONS SHOWN ARE IN BOROUGH PRESIDENT OF MANHATTAN VERTICAL DATUM, WHICH IS 2.75 FEET ABOVE MEAN SEA LEVEL AT SANDY HOOK (NGVD29); REFERENCE CITY BENCH MARKS #399 AND #419.
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MGP = MANUFACTURED GAS PLANT



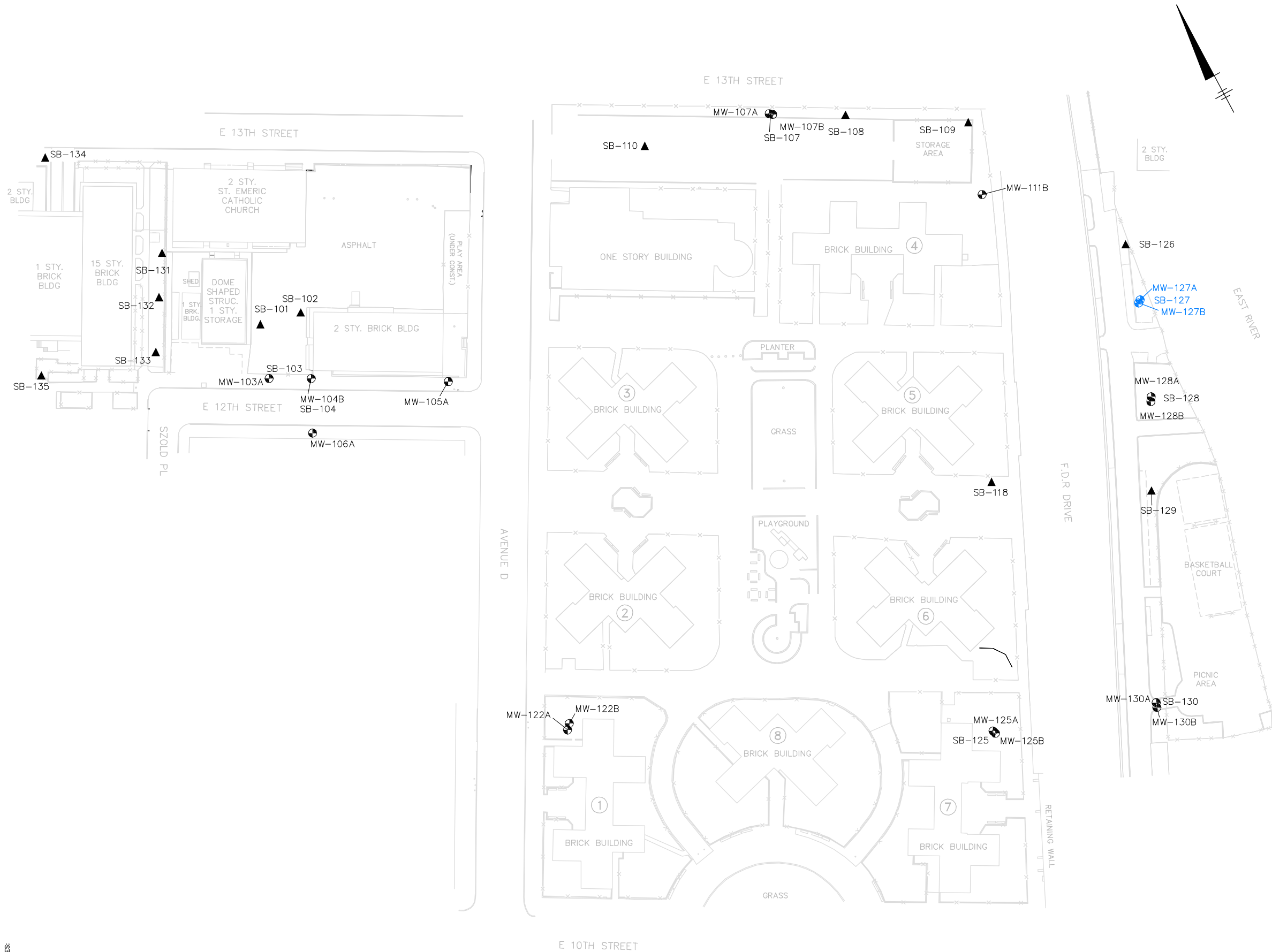
CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
FORMER EAST 11TH STREET WORKS
REMEDIAL INVESTIGATION

SUMMARY OF VISUAL MGP IMPACTS
30 - 40 FEET

 **ARCADIS** BBL
infrastructure, environment, facilities

FIGURE
16

[CITY-DIV-RCA] [SYR-85-MS RCA (NYC-85-MW) LAYER: ON=*, OFF=REF*]
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PROJECT NAME: 43013X00
PREFS: 43013X00
IMAGES: 43013X01



LEGEND:

SB-127 ▲ SOIL BORING (REMEDIAL INVESTIGATION)

MW-106A ● MONITORING WELL (REMEDIAL INVESTIGATION)

MW-127A ● INDICATES SHEEN WAS OBSERVED DURING FIELD SAMPLING

④ JACOB RIIS BUILDING NUMBER

NOTES:

1. BASE MAP AND SURVEY CONTROL WAS TAKEN FROM ORIGINAL SURVEY DATED 9/3/2004; SUBMITTED BY B.B.L. ON 8/25/2006.
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4. THE OLD SURVEY WAS CONVERTED INTO NEW COORDINATE AND VERTICAL SYSTEM BASED ON 7 TRAVERSE POINTS, RECOVERED IN THE FIELD (#2,3,4,6,7,12, AND 18).
5. OLM = OIL-LIKE MATERIAL
TLM = TAR-LIKE MATERIAL
MGP = MANUFACTURED GAS PLANT

0 100' 200'

GRAPHIC SCALE

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
FORMER EAST 11TH STREET WORKS
REMEDIAL INVESTIGATION

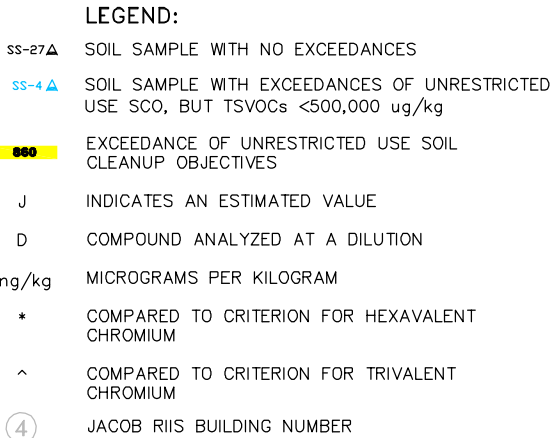
**SUMMARY OF VISUAL MGP IMPACTS
40 - 50 FEET**

ARCADIS BBL
infrastructure, environment, facilities

FIGURE

17

Daphnia(fest)	SS-1 (0 - 0.2%) 1/11/2004	SS-1A (0 - 0.2%) 1/9/2004	SS-2 (0 - 0.2%) 1/9/2004	SS-2A (0 - 0.2%) 1/9/2004	SS-3 (0 - 0.2%) 1/9/2004	SS-3A (0 - 0.2%) 1/9/2004	SS-4 (0 - 0.2%) 1/9/2004	SS-4A (0 - 0.2%) 1/9/2004	SS-5A (0 - 0.2%) 1/9/2004	SS-6A (0 - 0.2%) 1/9/2004	SS-7A (0 - 0.2%) 1/9/2004	SS-8A (0 - 0.2%) 1/9/2004	SS-9A (0 - 0.2%) 1/9/2004	SS-10A (0 - 0.2%) 1/9/2004	SS-11A (0 - 0.2%) 1/9/2004	SS-12A (0 - 0.2%) 1/9/2004	SS-13A (0 - 0.2%) 1/9/2004	SS-14A (0 - 0.2%) 1/9/2004	SS-15A (0 - 0.2%) 1/9/2004	SS-16A (0 - 0.2%) 1/9/2004	SS-17 (0 - 0.2%) 1/9/2004	SS-27 (0 - 0.2%) 1/9/2004	SS-28 (0 - 0.2%) 1/9/2004	SS-30 (0 - 0.2%) 1/9/2004			
Arsenic (mg/kg)	13.3	NA	8.8	NA	6.5	NA	10.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
Chromium (mg/kg)	28.5	NA	60.3	NA	18.6	NA	32.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
Cadmium (mg/kg)	0.24	NA	0.24	NA	0.24	NA	0.24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
Mercury (mg/kg)	0.06	NA	0.06	NA	0.06	NA	0.06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
Benzofluoranthene (ug/kg)	28500	7100	0	1100	4700	13000	25000	2300	3400	8500	4300	4700	2800	3400	2800	150	0	2800	0	4000	0	8700	1800	260	0	3400	2300
Benzofluoranthene (ug/kg)	21600	5600	0	3700	3600	11000	3700	3600	11000	3700	3600	11000	3700	3600	11000	3700	3600	11000	3700	3600	11000	3700	3600	11000	3700	3600	
Benzofluoranthene (ug/kg)	21600	5600	0	3700	3600	11000	3700	3600	11000	3700	3600	11000	3700	3600	11000	3700	3600	11000	3700	3600	11000	3700	3600	11000	3700	3600	
Benzofluoranthene (ug/kg)	12000	3400	540	0	1600	0	22000	690	18000	2800	18000	2800	18000	2800	18000	2800	18000	2800	18000	2800	18000	2800	18000	2800	18000	2800	
Chrysene (ug/kg)	5400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Chrysene (ug/kg)	5400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Fluoranthene (ug/kg)	23	U	210	U	45	U	110	U	940	U	41	U	220	U	23	U	82	U	110	U	120	U	84	U	99	U	
Fluoranthene (ug/kg)	4900	2	6000	U	1900	U	11000	0	2700	U	5100	0	6200	U	13000	0	7600	U	11000	0	6200	U	13000	0	7600	U	
Indeno(1,2,3-cd)pyrene (ug/kg)	5000	0	190	U	0	U	5000	0	190	U	0	U	5000	0	190	U	0	U	5000	0	190	U	0	U	5000	0	
Indeno(1,2,3-cd)pyrene (ug/kg)	5000	0	190	U	0	U	5000	0	190	U	0	U	5000	0	190	U	0	U	5000	0	190	U	0	U	5000	0	
NDSDH BAP TDS-NDs used at 1/2, 1/4, 1/8	2750	7000	1200	5100	46300	14400	1500	17500	2690	4200	5620	6380	3670	4330	3000	178	3670	5430	9940	2000	333	4460	3460	3560	3560		

[illegible]

	SS-13	SS-14	SS-15	SS-16	SS-36	SS-40	SS-41	SS-42
Daph (Feet)	(0 - 0.2)	(0 - 0.2)	(0 - 0.2)	(0 - 0.2)	(0 - 0.2)	(0 - 0.2)	(0 - 0.2)	(0 - 0.2)
Asbestos (mg/kg)	94	104	104	94	284	NA	NA	NA
Chloramphenicol (ug/kg)	167	163	143	163	NA	NA	NA	NA
Lead (mg/kg)	0.3	0.3	0.3	0.3	NA	NA	NA	NA
Mercury (mg/kg)	0.3	0.3	0.3	0.3	NA	NA	NA	NA
Silver (mg/kg)	0.344 J	0.397 J	0.119 J	0.33 J	NA	NA	NA	NA
Benz(a)anthracene (ug/kg)	350 J	1100	7600	870 J	2000	180 J	190 J	
Benz(b)fluoranthene (ug/kg)	280 J	750	750	230 J	1700	180 J	190 J	
Benz(k)fluoranthene (ug/kg)	280 J	940	960	1100 J	700 J	2100	170 J	230 J
Benz(a)fluoranthene (ug/kg)	180 J	420	430	4400 J	640 J	1100	180 J	210 J
Chrysene (ug/kg)	310 J	1000	860	860 J	2100	180 J	210 J	
Dibenz(a,h)anthracene (ug/kg)	11 UJ	11 UJ	11 UJ	10 UJ	26 UJ	06 J	11 UJ	12 UJ
Indeno(1,2,3-cd)pyrene (ug/kg)	110 J	360 J	340 J	1200	210 J	830 J	110 J	110 J
Benzo(e)pyrene (ug/kg)	370 J	1100	1100	1600	700	2400	2400	2400
NYSDAP Band 2 (C1-Nb) used at 1/2 UJ (lb)	380	1020	1030	1030	936	2400	245	252

Depth (feet)	SS-16A (0 - 0.2)	SS-17 (0 - 0.2)	SS-17A (0 - 0.2)	SS-18 (0 - 0.2)	SS-18A (0 - 0.2)	SS-19 (0 - 0.2)	SS-20 (0 - 0.2)	SS-23 (0 - 0.2)	SS-44 (0 - 0.2)	SS-45 (0 - 0.2)	SS-46 (0 - 0.2)
Asbestos (mg/kg)	NA	17.9	17.9	7.21	7.98	5.83	6.24	NA	NA	NA	NA
Chromium (mg/kg)	NA	17.9	NA	23.3	23.3	17.9	NA	NA	NA	NA	NA
Lead (mg/kg)	NA	87.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury (mg/kg)	NA	1.3	0.53	NA	0.46	0.66	NA	NA	NA	NA	NA
Silver (mg/kg)	NA	3.74	0.811	NA	0.624	0.66	NA	NA	NA	NA	NA
Benzofluoranthene (ug/kg)	18000	20000	18000	7800	4800	5000	1800	4700	3500	7300	5000
Benzofluoranthene (ug/kg)	18000	1800	2000	2000	3000	3000	1800	1800	1800	2400	1800
Benzofluoranthene (ug/kg)	26000	18000	18000	7800	4800	4700	3800	1400	3800	3200	7100
Benzofluoranthene (ug/kg)	7700	4400	8700	2700	2600	1800	1200	1800	2800	3400	3500
Benzofluoranthene (ug/kg)	18000	18000	18000	7800	4800	5000	1800	4700	3500	7300	5000
Dibenzofluoranthene (ug/kg)	4700	4300	110	140	45	110	83	27	140	210	260
Indeno(1,2,3-cd)pyrene (ug/kg)	13400	13000	13000	4300	6800	770	300	350	1400	1800	1700
PAHs (ug/kg)	21000	20000	20000	5500	5500	5500	1800	1800	1800	2400	1800
TDN (TDN-TP-NDs used at 1/2 ft) (ug/kg)	22000	14600	15000	4600	4440	2700	1800	1800	4260	5860	7770

Unrestricted Use SDO - Cr 1 SVOCs (ug/kg)		Unrestricted Use SDO - Cr 1 Metals(mg/kg)	
Analyte	Criteria Value	Analyte	Criteria Value
1,2-Dichlorobenzene	1100	Arsenic	13
1,3-Dichlorobenzene	2400	Barium	350
1,4-Dichlorobenzene	1800	Beryllium	7.2
2-Methylphenol	330	Cadmium	2.5
3-Methylphenol	330	Chromium 1	
4-Methylphenol	330	Copper	50
Acenaphthene	20000	Lead	63
Acenaphthylene	100000	Mercury	0.18
Anthracene	100000	Nickel	30
Benzo(a)anthracene	1000	Selenium	3.9
Benzo(b)pyrene	1000	Silver	
Benzo(k)fluoranthene	1000	Zinc	109
Benzo(a,h)perylene	100000		
Benzo(e)fluoranthene	800		
Chrysene	1000		
Dibenz(a,h)anthracene	330		
Dibenzofuran	7000		
Fluoranthene	100000		
Fluorene	30000		
Hexachlorobenzene	330		
Indeno(1,2,3-cd)pyrene	500		
Naphthalene	12000		
Pentachlorophenol	800		
Phenanthrene	100000		
Phenol	330		
Pyrene	100000		
Total SVOCs	500000		

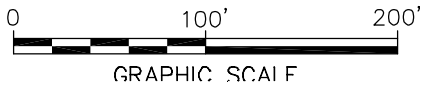
NOTES:

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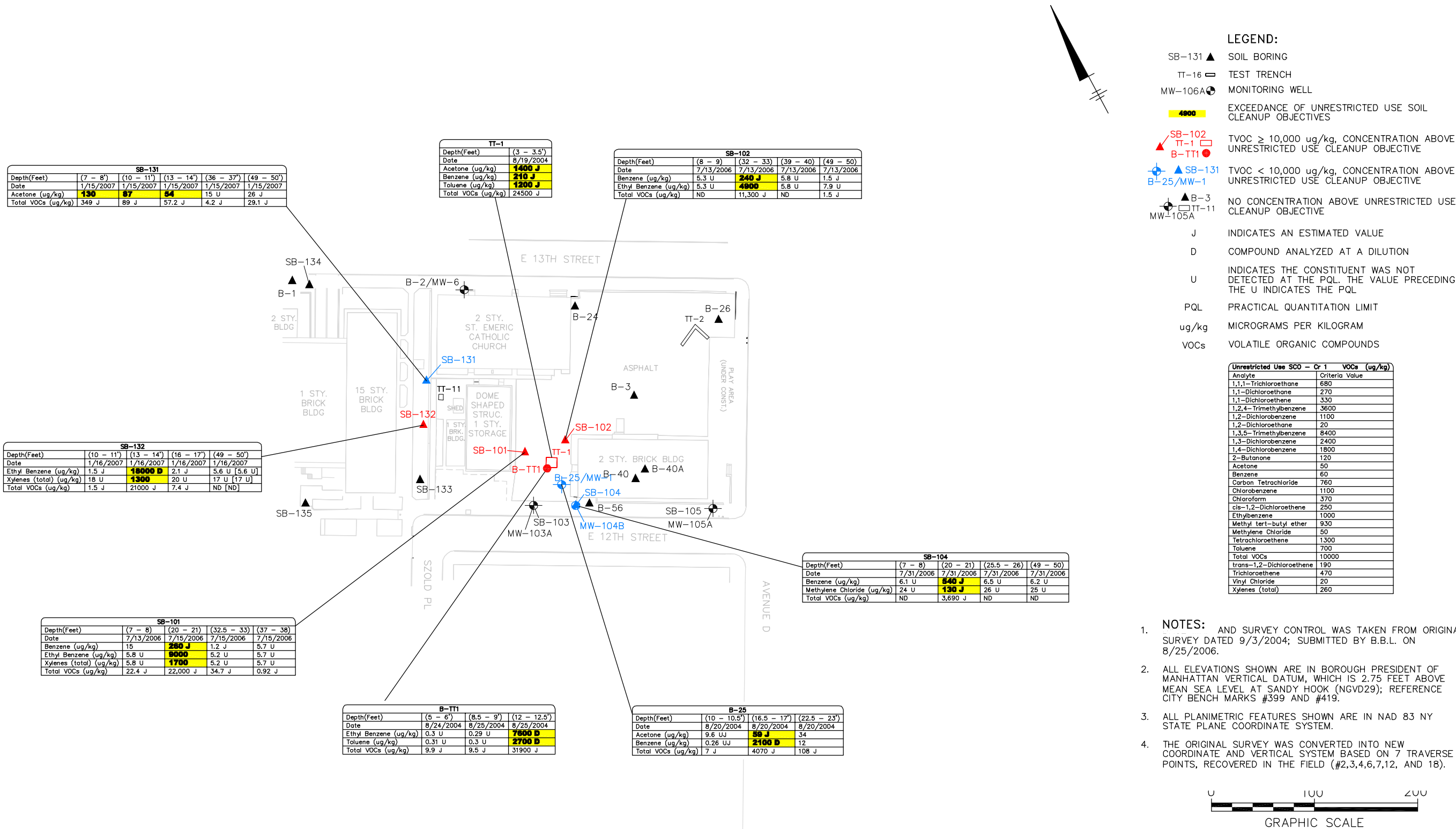
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THE ORIGINAL SURVEY WAS CONVERTED INTO NEW COORDINATE AND VERTICAL SYSTEM BASED ON 7 TRAVERSE POINTS, RECOVERED IN THE FIELD (#2,3,4,6,7,12, AND 18).



CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
FORMER EAST 11TH STREET WORKS
REMEDIAL INVESTIGATION

SURFACE SOIL ANALYTICAL RESULTS



- NOTES:**
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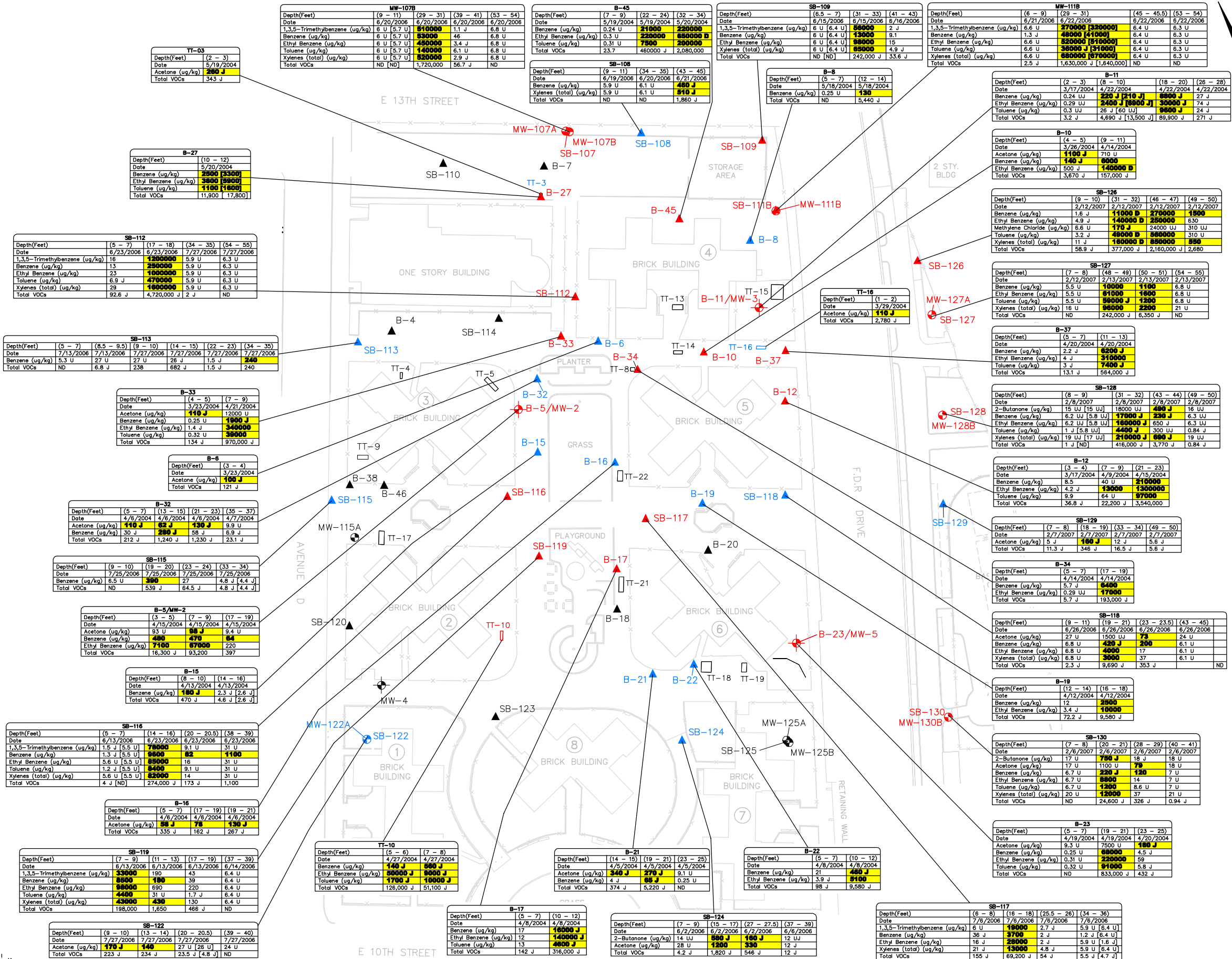


CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
FORMER EAST 11TH STREET WORKS
REMEDIAL INVESTIGATION

SUBSURFACE SOIL ANALYTICAL RESULTS - VOCs - SAINT EMERIC'S AND HAVEN PLAZA PROPERTIES

ARCADIS BBL
infrastructure, environment, facilities

FIGURE
19



LEGEND:

- SB-131 ▲ SOIL BORING
- TT-16 □ TEST TRENCH
- MW-106A ● MONITORING WELL

EXCEEDANCE OF UNRESTRICTED USE SOIL CLEANUP OBJECTIVES (SOIL BORING AND MONITORING WELL SYMBOLS ARE RED)

TVOC ≥ 10,000 ug/kg, CONCENTRATION ABOVE UNRESTRICTED USE CLEANUP OBJECTIVE

TVOC < 10,000 ug/kg, CONCENTRATION ABOVE UNRESTRICTED USE CLEANUP OBJECTIVE

NO CONCENTRATION ABOVE UNRESTRICTED USE CLEANUP OBJECTIVE

INDICATES AN ESTIMATED VALUE

COMPOUND ANALYZED AT A DILUTION

INDICATES THE CONSTITUENT WAS NOT DETECTED AT THE PQL. THE VALUE PRECEDING THE U INDICATES THE PQL

PRACTICAL QUANTITATION LIMIT

MICROGRAMS PER KILOGRAM

VOLATILE ORGANIC COMPOUNDS

JACOB RIIS BUILDING NUMBER

Unrestricted Use SCO - Cr 1	VOCs (ug/kg)
Analyte	Criteria Value
1,1,1-Trichloroethane	680
1,1-Dichloroethane	270
1,1-Dichloroethene	330
1,2,4-Trimethylbenzene	3600
1,2-Dichlorobenzene	1100
1,2-Dichloroethene	20
1,3,5-Trimethylbenzene	8400
1,3-Dichlorobenzene	2400
1,4-Dichlorobenzene	1800
2-Butanone	120
Acetone	50
Benzene	60
Carbon Tetrachloride	760
Chlorobenzene	1100
Chloroform	370
1,1,2-Dichloroethane	250
Ethylbenzene	1000
Methyl tert-butyl ether	930
Methylene Chloride	50
Tetrachloroethene	1300
Toluene	700
Total VOCs	10000
trans-1,2-Dichloroethene	190
Trichloroethene	470
Vinyl Chloride	20
Xylenes (total)	260

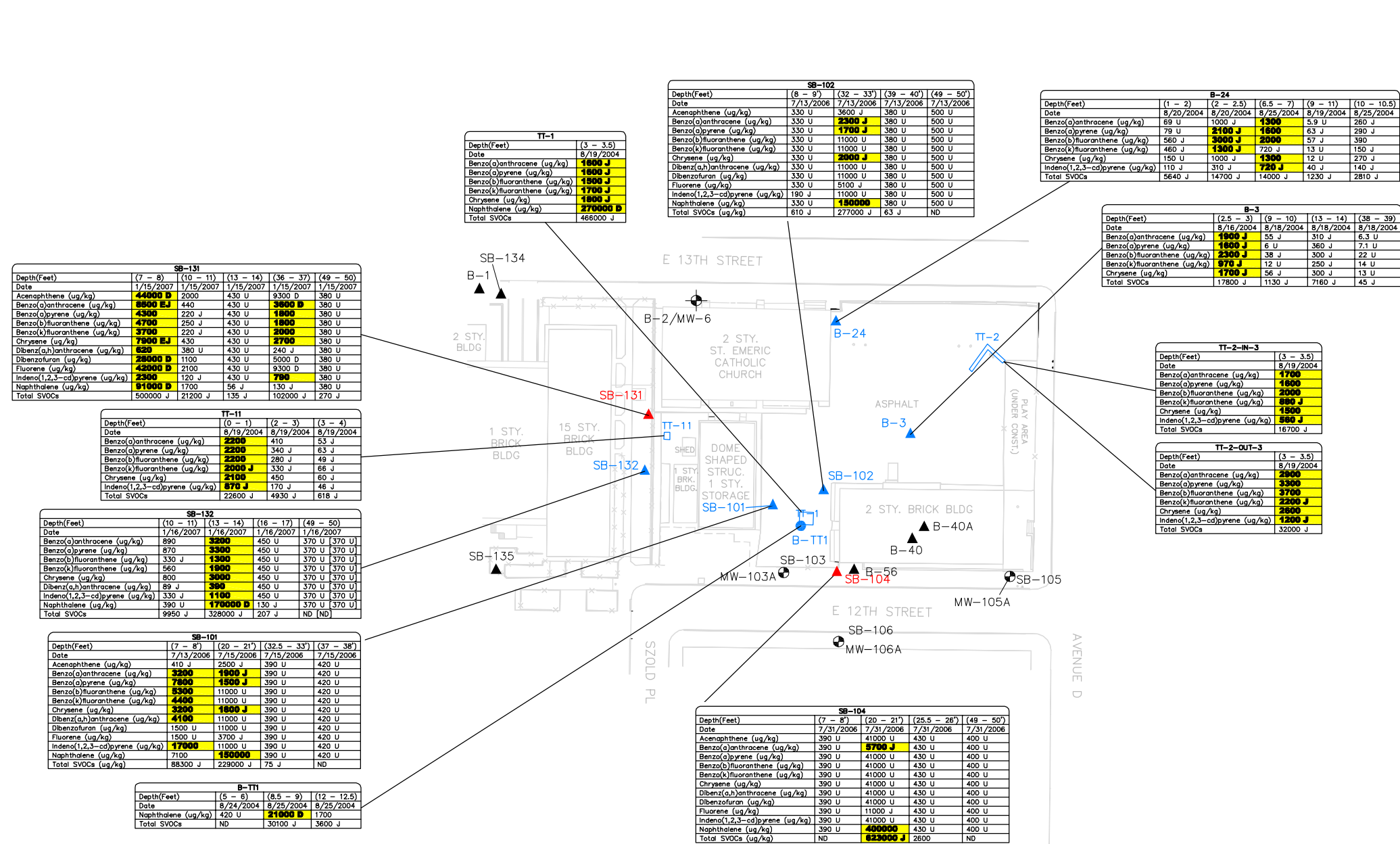
NOTES:

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CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
FORMER EAST 11TH STREET WORKS
REMEDIAL INVESTIGATION

SUBSURFACE SOIL ANALYTICAL RESULTS - VOCs - JACOB RIIS AND EAST RIVER PARK



- LEGEND:**
- SB-135 ▲ SOIL BORING
 - TT-16 ⇐ TEST TRENCH
 - MW-106A ● MONITORING WELL
 - 1600 EXCEEDANCE OF UNRESTRICTED USE SOIL CLEANUP OBJECTIVES
 - SB-102, TT-1, B-TT1 TVOC > 500,000 ug/kg AND CONCENTRATIONS ABOVE UNRESTRICTED USE CLEANUP OBJECTIVE
 - SB-131, B-25/MW-1 TVOC < 500,000 ug/kg AND CONCENTRATIONS ABOVE UNRESTRICTED USE CLEANUP OBJECTIVE
 - B-3, TT-11 NO CONCENTRATION ABOVE UNRESTRICTED USE CLEANUP OBJECTIVE
 - MW-105A INDICATES AN ESTIMATED VALUE
 - D COMPOUND ANALYZED AT A DILUTION
 - U INDICATES THE CONSTITUENT WAS NOT DETECTED AT THE PQL. THE VALUE PRECEDING THE U INDICATES THE PQL
 - PQL PRACTICAL QUANTITATION LIMIT
 - ug/kg MICROGRAMS PER KILOGRAM
 - SVOCs SEMI-VOLATILE ORGANIC COMPOUNDS

- NOTES:**
- BASE MAP AND SURVEY CONTROL WAS TAKEN FROM ORIGINAL SURVEY DATED 9/3/2004; SUBMITTED BY B.B.L. ON 8/25/2006.
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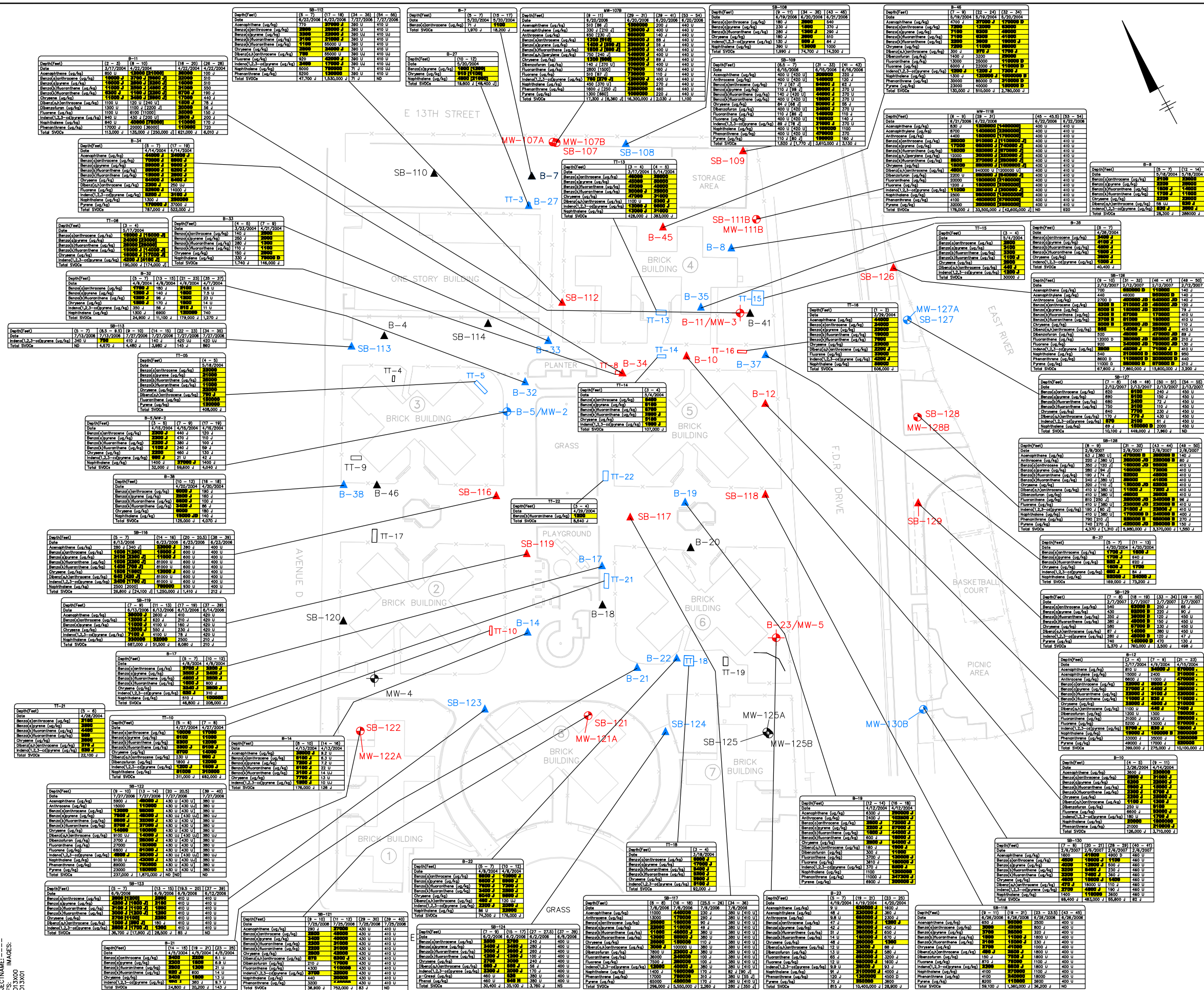
GRAPHIC SCALE

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
FORMER EAST 11TH STREET WORKS
REMEDIAL INVESTIGATION

SUBSURFACE SOIL ANALYTICAL RESULTS - SVOCs - SAINT EMERIC'S AND HAVEN PLAZA

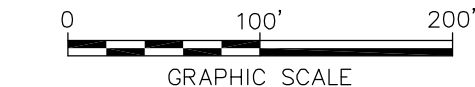
FIGURE
21

ARCADIS BBL
infrastructure, environment, facilities

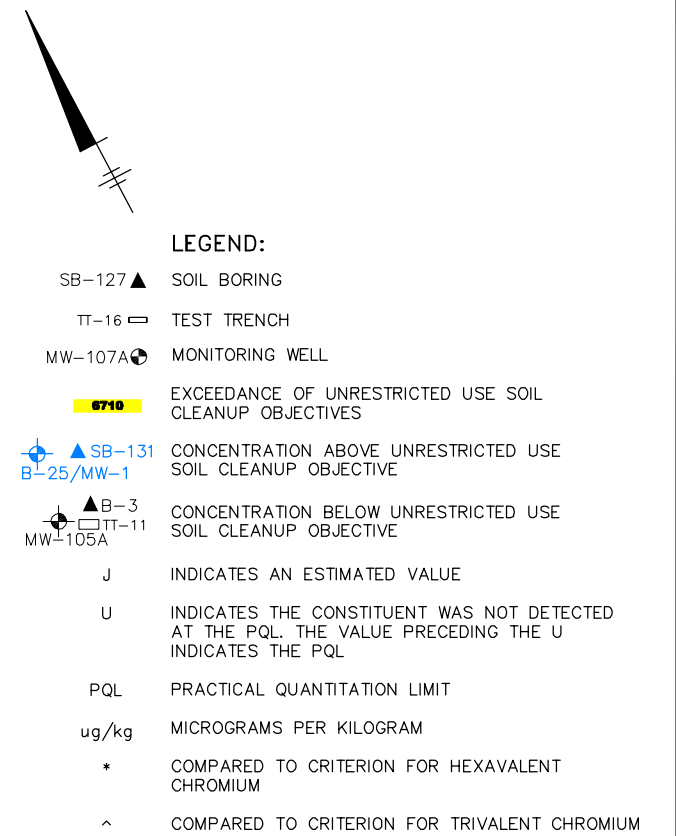


- LEGEND:
- SB-131 ▲ SOIL BORING
 - TT-16 □ TEST TRENCH
 - MW-106A ● MONITORING WELL
 - 48000 TVOC > 500,000 ug/kg, CONCENTRATION ABOVE UNRESTRICTED USE CLEANUP OBJECTIVE
 - SB-102 TT-1 B-TT1 TVOC < 500,000 ug/kg, CONCENTRATION ABOVE UNRESTRICTED USE CLEANUP OBJECTIVE
 - SB-131 B-25/MW-1 NO CONCENTRATION ABOVE UNRESTRICTED USE CLEANUP OBJECTIVE
 - TT-11 J INDICATES AN ESTIMATED VALUE
 - D COMPOUND ANALYZED AT A DILUTION
 - U INDICATES THE CONSTITUENT WAS NOT DETECTED AT THE PQL. THE VALUE PRECEDING THE U INDICATES THE PQL
 - PQL PRACTICAL QUANTIFICATION LIMIT
 - ug/kg MICROGRAMS PER KILOGRAM
 - SVOCs SEMI-VOLATILE ORGANIC COMPOUNDS
 - 4 JACOB RIIS BUILDING NUMBER

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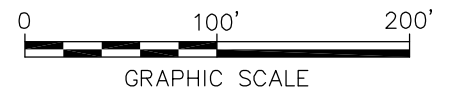


CONSOLIDATED IDSON COMPANY OF NEW YORK, INC.
FORMER EAST 11TH STREET WORKS
REMEDIAL INVESTIGATION
SUBSURFACE SOIL ANALYTICAL RESULTS - SVOCs - JACOB RIIS AND EAST RIVER PARK



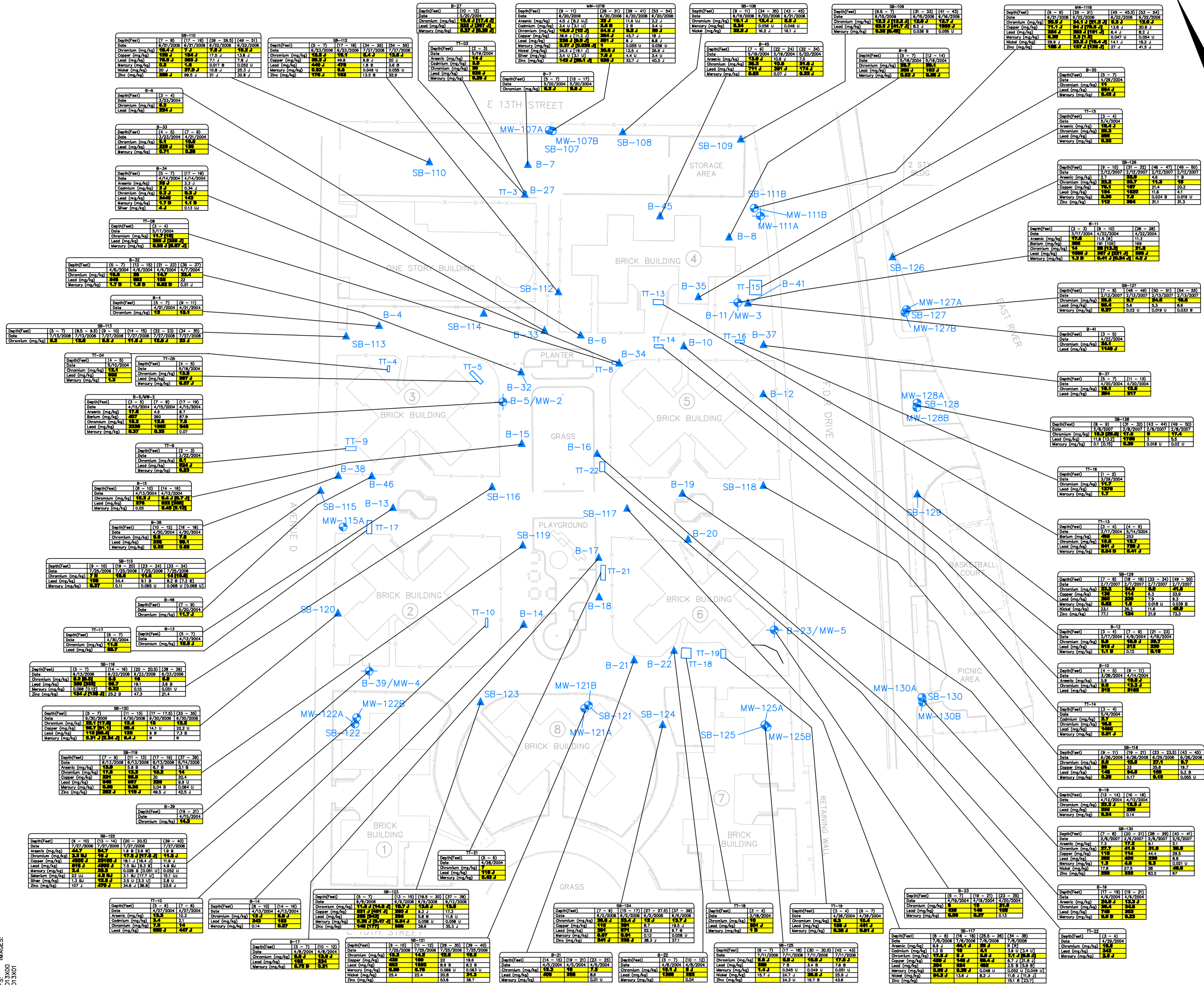
Analyte	Criteria Value
Arsenic	13
Barium	350
Beryllium	7.2
Cadmium	2.5
Chromium	1
Copper	50
Lead	63
Mercury	0.18
Nickel	30
Selenium	3.9
Silver	2
Zinc	109

1. BASE MAP AND SURVEY CONTROL WAS TAKEN FROM ORIGINAL SURVEY DATED 9/3/2004; SUBMITTED BY B.B.L. ON 8/25/2006.
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CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
FORMER EAST 11TH STREET WORKS
REMEDIAL INVESTIGATION

**SUBSURFACE SOIL ANALYTICAL
RESULTS - INORGANICS -
SAINT EMERIC'S AND HAVEN PLAZA**



- LEGEND:
- SB-127 ▲ SOIL BORING
 - TT-16 □ TEST TRENCH
 - MW-107A ● MONITORING WELL
 - 7800 EXCEEDANCE OF UNRESTRICTED USE SOIL CLEANUP OBJECTIVES
 - SB-131 ▲ CONCENTRATION ABOVE UNRESTRICTED USE SOIL CLEANUP OBJECTIVE
 - B-25/MW-1 B-25/MW-1 CONCENTRATION BELOW UNRESTRICTED USE SOIL CLEANUP OBJECTIVE
 - ▲ B-3 CONCENTRATION BELOW UNRESTRICTED USE SOIL CLEANUP OBJECTIVE
 - TT-11 TT-11
 - J INDICATES AN ESTIMATED VALUE
 - D COMPOUND ANALYZED AT A DILUTION
 - INDICATES THE CONSTITUENT WAS NOT DETECTED AT THE PQL. THE VALUE PRECEDING THE U INDICATES THE PQL
 - B INDICATES AN ESTIMATED VALUE BETWEEN THE IDL AND THE PQL
 - N SPIKE RECOVERY EXCEEDS THE UPPER OR LOWER CONTROL LIMITS
 - R REJECTED
 - PQL PRACTICAL QUANTITATION LIMIT
 - ug/kg MICROGRAMS PER KILOGRAM
 - * COMPARED TO CRITERION FOR HEXAVALENT CHROMIUM
 - ^ COMPARED TO CRITERION FOR TRIVALENT CHROMIUM
 - IDL INSTRUMENT DETECTION LIMIT
 - ④ JACOB RIIS BUILDING NUMBER

Unrestricted Use SCO - Cr 1	
Metal(s)(mg/kg)	Criteria Value
Antimony	13
Arsenic	350
Barium	7.2
Beryllium	2.5
Cadmium	1
Chromium	50
Copper	63
Lead	0.18
Nickel	30
Selenium	3.9
Silver	2
Zinc	109

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0 100' 200'

GRAPHIC SCALE

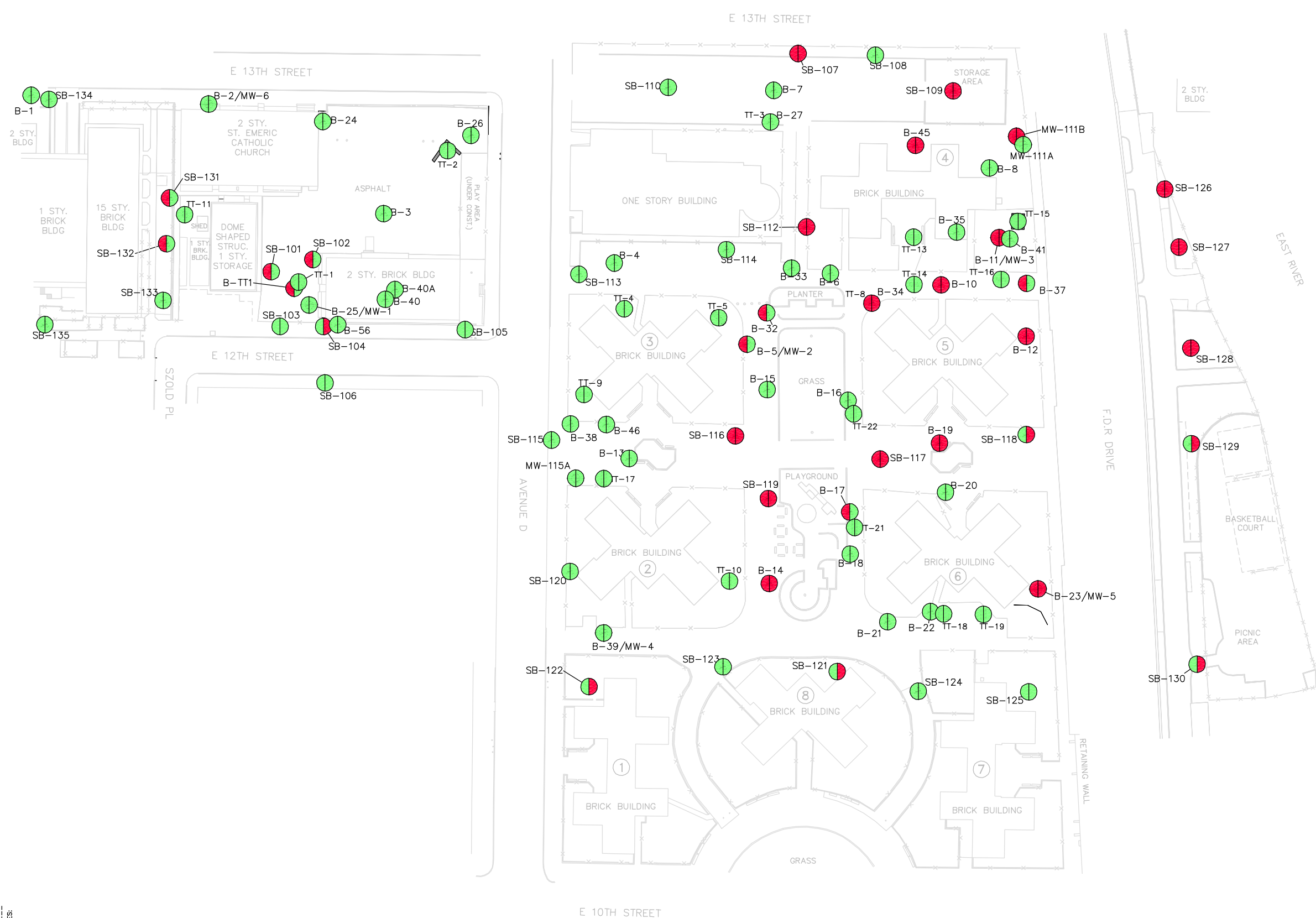
CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
FORMER EAST 11TH STREET WORKS
REMEDIAL INVESTIGATION

**SUBSURFACE SOIL ANALYTICAL
RESULTS - INORGANICS - JACOB RIIS
AND EAST RIVER PARK**

FIGURE
24

ARCADIS BBL
Infrastructure, environment, facilities

[SYR-85-RCAT SYR-85-AMS RCA (NYC-85-MW) LAYER: ON=*, OFF=REF*
G:\CAD\ACT\B043013\0000\00500\DWG\REINVA\43013B01.dwg SAVER: 4/23/2008 11:51 AM LAYOUT: X PAGES: 4/23/2008 11:55 AM BY: LPOSENAUER
PROJECT NAME: 43013X000 IMAGES: 43013X000 43013X001



- LEGEND:**
- B-35 ▲ SOIL BORING
 - TT-16 = TEST TRENCH
 - B-25/MW-1 = MONITORING WELL
 - ④ JACOB RIIS BUILDING NUMBER
 - = TVOC < 10mg/kg AND TSVOC < 500mg/kg
 - = TVOC > 10mg/kg AND TSVOC < 500mg/kg
 - = TVOC < 10mg/kg AND TSVOC > 500mg/kg
 - = TVOC > 10mg/kg AND TSVOC > 500mg/kg

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 5. FORMER SITE BOUNDARY DIGITIZED FROM A DRAWING SUPPLIED BY TRC ENVIRONMENTAL CORPORATION TITLED "SITE MAP WITH MGP OVERLAY FORMER EAST 11TH STREET WORKS CONSOLIDATED EDISON COMPANY", DATED 5/23/02, AT A SCALE OF 1" = 100'. SUPPLEMENTAL HISTORICAL FEATURES INCLUDED FROM 1868 PERRIS & BROWNE MAP, AND 1920 SANBORN FIRE INSURANCE MAP. DATE INDICATES FIRST MAPPED OCCURRENCE.

0 100' 200'
GRAPHIC SCALE

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
FORMER EAST 11TH STREET WORKS
REMEDIAL INVESTIGATION

**TVOC AND TSVOC
IN SUBSURFACE SOIL**

ARCADIS BBL
infrastructure, environment, facilities

MW-1	
Date	10/12/2004
1,2,4-Trimethylbenzene (ug/L)	NA
1,3,5-Trimethylbenzene (ug/L)	NA
Benzene (ug/L)	140
Ethyl Benzene (ug/L)	160 D
Isopropylbenzene (ug/L)	81
m/p-Xylenes (ug/L)	2.9 J
Methylcyclohexane (ug/L)	36
o-Xylene (ug/L)	6.4
Toluene (ug/L)	NA
Xylenes (total) (ug/L)	NA
Total VOCs (ug/L)	480 J
1,1-Biphenyl (ug/L)	3.4 J
2-Methylnaphthalene (ug/L)	8.1 J
Acenaphthene (ug/L)	5.3 J
Anthracene (ug/L)	1.1 J
Carbazole (ug/L)	1.8 J
Dibenzofuran (ug/L)	1.1 J
Fluorene (ug/L)	4.1 J
Phenanthrene (ug/L)	4.4 J
Total SVOCs (ug/L)	29.3 J

MW-6	
Date	10/12/2004 8/31/2006
m/p-Xylenes (ug/L)	1.1 J NA
Methylcyclohexane (ug/L)	0.58 U NA
o-Xylene (ug/L)	0.37 U NA
Total VOCs (ug/L)	2.6 J ND
Total SVOCs (ug/L)	ND ND

MW-103A	
Date	8/30/2006
1,2,4-Trimethylbenzene (ug/L)	0.31 J
1,3,5-Trimethylbenzene (ug/L)	0.18 J
Acetone (ug/L)	9.1 J
Benzene (ug/L)	20
Chloroform (ug/L)	0.73 J
Ethyl Benzene (ug/L)	0.61 J
m/p-Xylenes (ug/L)	NA
Methyl Acetate (ug/L)	0.18 J
Methylcyclohexane (ug/L)	NA
Methylene Chloride (ug/L)	0.98 J
o-Xylene (ug/L)	NA
Styrene (ug/L)	0.22 J
Toluene (ug/L)	5.3
Xylenes (total) (ug/L)	1.8
Total VOCs (ug/L)	39.4 J
Acetophenone (ug/L)	0.9 J
Naphthalene (ug/L)	1
Phenol (ug/L)	3 J
Total SVOCs (ug/L)	4.9 J

MW-104B	
Date	8/30/2006
1,2,4-Trimethylbenzene (ug/L)	40
1,3,5-Trimethylbenzene (ug/L)	11
Benzene (ug/L)	470
Chloroform (ug/L)	1.9 J
Cyclohexane (ug/L)	2.1 J
Ethyl Benzene (ug/L)	96
Isopropylbenzene (ug/L)	24
m/p-Xylenes (ug/L)	NA
Methyl Acetate (ug/L)	7.4 J
Methylcyclohexane (ug/L)	NA
Methylene Chloride (ug/L)	15 J
o-Xylene (ug/L)	NA
Toluene (ug/L)	2.4 J
Xylenes (total) (ug/L)	26
Total VOCs (ug/L)	665 J
2-Methylnaphthalene (ug/L)	260
Naphthalene (ug/L)	1400
Total SVOCs (ug/L)	1660

MW-106A	
Date	8/30/2006
Benzene (ug/L)	2.8
Cyclohexane (ug/L)	0.33 J
m/p-Xylenes (ug/L)	NA
Methyl tert-butyl Ether (ug/L)	0.34 J
Methylcyclohexane (ug/L)	NA
o-Xylene (ug/L)	NA
Xylenes (total) (ug/L)	0.37 J
Total VOCs (ug/L)	3.84 J
Total SVOCs (ug/L)	ND

MW-105A	
Date	8/30/2006
1,2,4-Trimethylbenzene (ug/L)	0.79 J 0.66 J
Benzene (ug/L)	4.8 11.4
Ethyl Benzene (ug/L)	4.2 3.7
Isopropylbenzene (ug/L)	4.2 3.9
m/p-Xylenes (ug/L)	NA
Methylcyclohexane (ug/L)	NA
o-Xylene (ug/L)	NA
Xylenes (total) (ug/L)	0.71 J 0.63 J
Total VOCs (ug/L)	12 J 10.3 J
Acenaphthene (ug/L)	4 J 4 J
Fluorene (ug/L)	1 J 1 J
Pyrene (ug/L)	2 J 2 J
Total SVOCs (ug/L)	8.8 J 7 J

NYDEC Class	GA	Groundwater	VOCs (ug/L)
Andlyte		Criteria Value	
1,1,1-Trichloroethane	5		
1,1,2,2-Tetrachloroethane	5		
1,1,2-Trichloroethane	1		
1,1-Dichloroethane	5		
1,1-Dichloroethane	5		
1,2,4-Trichlorobenzene	5		
1,2,4-Trimethylbenzene	5		
1,2-Dichlorobenzene	3		
1,2-Dichloroethane	0.6		
1,2-Dichloropropane	1		
1,2-Xylene	5		
1,3,5-Trimethylbenzene	5		
1,3-Dichlorobenzene	3		
1,4-Dichlorobenzene	3		
2-Butanone	50		
2-Hexanone	50		
4-Methyl-2-pentanone	50		
Acetone	50		
Benzene	1		
Bromodichloromethane	50		
Bromoforn	50		
Bromomethane	5		
Carbon disulfide	60		
Carbon tetrachloride	5		
Chlorobenzene	5		
Chlorodibromomethane	50		
Chloroethane	5		
Chloroform	7		
cis-1,2-Dichloroethene	5		
cis-1,3-Dichloropropene	0.4		
Cumene	5		
Dibromochloropropane	0.04		
Dibromomethane	5		
Dichlorodifluoromethane	5		
Ethylbenzene	5		
Ethylene dibromide	0.0006		
Freon 113	5		
methyl chloride	5		
Methyl tert-butyl ether	10		
Styrene	5		
Tetrachloroethene	5		
Toluene	5		
trans-1,2-Dichloroethene	5		
trans-1,3-Dichloropropene	0.4		
Trichloroethene	5		
Trichlorofluoromethane	5		
Vinyl chloride	2		
Xylenes, Total	5		

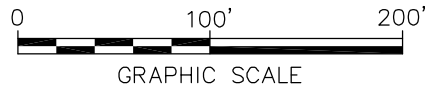
NYDEC Class	GA	Groundwater	SVOCs (ug/L)
Andlyte		Criteria Value	
1,1-Biphenyl	5		
1,2,4-Trichlorobenzene	5		
1,2-Dichlorobenzene	3		
1,3-Dichlorobenzene	3		
1,4-Dichlorobenzene	3		
2,4,5-Trichlorophenol	1		
2,4,6-Trichlorophenol	1		
2,4-Dichlorophenol	1		
2,4-Dimethylphenol	1		
2,4-Dinitrophenol	1		
2,4-Dinitrotoluene	5		
2,6-Dinitrotoluene	5		
2-Chloronaphthalene	10		
2-Chlorophenol	1		
2-Methylnaphthalene	1		
2-Methylphenol	1		
2-Nitroaniline	5		
2-Nitrophenol	1		
3,3'-Dichlorobenzidine	5		
3-Nitroaniline	5		
4,6-Dinitro-2-methylphenol	1		
4-Bromophenyl phenyl ether	1		
4-Chloro-3-methylphenol	1		
4-Chloroaniline	5		
4-Chlorophenyl phenyl ether	1		
4-Methylphenol	1		
4-Nitroaniline	5		
4-Nitrophenol	1		
Acenaphthene	20		
Acenaphthylene	50		
Anthracene	50		
Atrazine	7.5		
Benzo(a)anthracene	0.002		
Benzo(a)pyrene	0		
Benzo(b)fluoranthene	0.002		
Benzo(g,h,i)perylene	0.002		
Benzo(k)fluoranthene	0.002		
Benzyl alcohol	5		
bis(2-chloro-1-methyl)ether	5		
bis(2-Chloroethoxy)methane	5		
bis(2-Chloroethyl)ether	1		
bis(2-Ethylhexyl)phthalate	5		
Butyl benzyl phthalate	50		
Carbazole	0.002		
Chrysene	0.002		
Dibenz(a,h)anthracene	5		
Dibenzofuran	50		
Diethyl phthalate	50		
Dimethyl phthalate	50		
Di-n-butyl phthalate	50		
Di-n-octyl phthalate	50		
Fluoranthene	50		
Fluorene	50		
Hexachlorobenzene	0.04		
Hexachlorobutadiene	0.5		
Hexachlorocyclopentadiene	5		
Hexachloroethane	5		
Indeno(1,2,3-cd)pyrene	0.002		
Isophorene	50		
Naphthalene	10		
Nitrobenzene	0.4		
N-Nitroso-di-n-propylamine	50		
N-Nitrosodiphenylamine	1		
Pentachlorophenol	50		
Phenanthrene	50		
Phenol	1		
Pyrene	50		
Pyridine	50		

LEGEND:

- MW-106A MONITORING WELL
- 2.8 EXCEEDANCE OF NEW YORK STATE TECHNICAL AND OPERATIONAL GUIDANCE CLASS GA STANDARDS OR GUIDANCE VALUES, JUNE 1998
- MW-130A VOC AND SVOC CONCENTRATIONS ABOVE CLASS GA GRUNDWATER STANDARDS
- MW-122B BENZENE ONLY ABOVE CLASS GA GRUNDWATER STANDARD
- MW-121B VOC AND SVOC CONCENTRATIONS BELOW CLASS GA GRUNDWATER STANDARDS
- J INDICATES AN ESTIMATED VALUE
- D COMPOUND ANALYZED AT A DILUTION
- U INDICATES THE CONSTITUENT WAS NOT DETECTED AT THE PQL. THE VALUE PRECEDING THE U INDICATES THE PQL
- PQL PRACTICAL QUANTITATION LIMIT
- ug/L MICROGRAMS PER LITER
- VOCs VOLATILE ORGANIC COMPOUNDS
- SVOCs SEMI-VOLATILE ORGANIC COMPOUNDS
- NA NOT ANALYZED
- ND NOT DETECTED

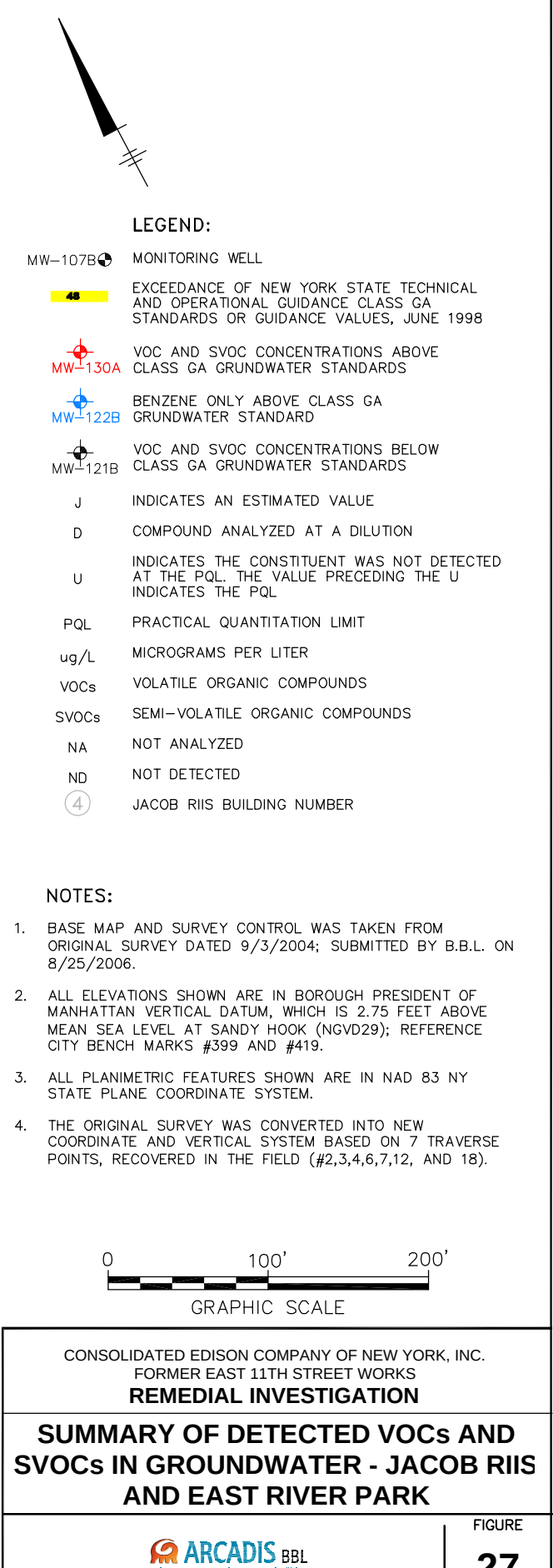
NOTES:

- BASE MAP AND SURVEY CONTROL WAS TAKEN FROM ORIGINAL SURVEY DATED 9/3/2004; SUBMITTED BY B.B.L. ON 8/25/2006.
- ALL ELEVATIONS SHOWN ARE IN BOROUGH PRESIDENT OF MANHATTAN VERTICAL DATUM, WHICH IS 2.75 FEET ABOVE MEAN SEA LEVEL AT SANDY HOOK (NGVD29); REFERENCE CITY BENCH MARKS #399 AND #419.
- ALL PLANIMETRIC FEATURES SHOWN ARE IN NAD 83 NY STATE PLANE COORDINATE SYSTEM.
- THE ORIGINAL SURVEY WAS CONVERTED INTO NEW COORDINATE AND VERTICAL SYSTEM BASED ON 7 TRAVERSE POINTS, RECOVERED IN THE FIELD (#2,3,4,6,7,12, AND 18).

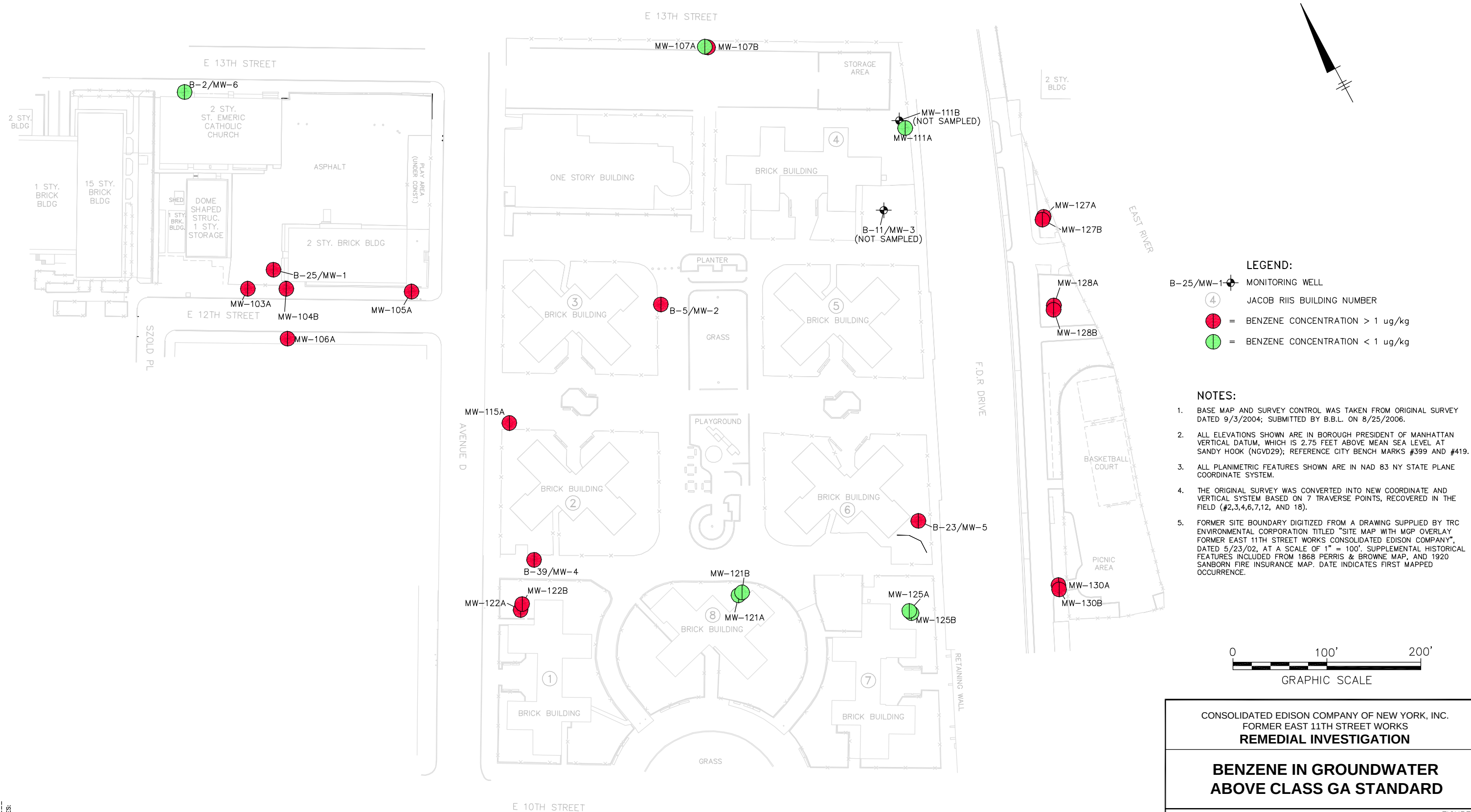


CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
FORMER EAST 11TH STREET WORKS
REMEDIAL INVESTIGATION

SUMMARY OF DETECTED VOCs AND SVOCs IN GROUNDWATER - SAINT EMERIC'S AND HAVEN PLAZA



[SYR-85-RCAT SYR-85-AMS RCA (NYC-85-MW) LAYER: ON=*, OFF=*REF*
G:\CAD\ACT\B043013\0000\00500\DWG\REINVA\43013B01.dwg SAVER: 4/23/2008 11:51 AM LAYOUT: X PAGESETUP: ----- PENTABLE: FULL CTB PRINTED: 4/23/2008 11:55 AM BY: LPOSENAUER
PROJECT NAME: -----
PLOT: 43013X00 IMAGES: 43013X01



Date Start/Finish: 7/14/06 - 7/15/06 Drilling Company: Boart Longyear Driller's Name: Justin, Scott Drilling Method: Rotary Sonic Casing Size: 4" inner diameter Rig Type: Mini Sonic Rig Sampling Method: 4" Steel Casing	Northing: 690035.928 Easting: 637657.773 Casing Elevation: NA Borehole Depth: 40' bgs Surface Elevation: 8.89' MVD Descriptions By: D.M. Mack	Boring ID: SB-101 Client: Consolidated Edison Company of New York, Inc. Location: Former East 11th Street Works Saint Emeric's Property Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
10										
0										
		1	0'-5'	NA	NA				Black ASPHALT	
									Brown fine to coarse SAND, little Cobbles and Brick fragments, trace Cinders, dry, no odors. (fill)	
5										
5									CONCRETE debris, dry. (fill)	
					3.4				Brown fine to coarse SAND, some fine Gravel and construction debris, dry. (fill)	
		2	5'-10'	5.0'	1.6	✕			Brown fine SAND and SILT, some coarse Sand, little fine Gravel, moist-wet. (fill)	
0										
10					1.2				Similar soils as above, some Cobbles, moist-wet. (fill)	
									CONCRETE. (fill)	
		3	10'-15'	3.0'	ND				CONCRETE and CONCRETE debris. (fill)	
5										
15					0.3				Brown-gray fine to medium SAND, little Silt, trace Brick fragments. (fill)	
										Portland 15% Bentonite grout (0'-40' bgs)

	Remarks: NA = not available; ND = non-detect; bgs = below ground surface; ppm = parts per million. Soil samples taken from 7'-8' bgs, 20'-21' bgs, 32.5'-33' bgs and 37'-38' bgs. All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 7/14/06 - 7/15/06 Drilling Company: Boart Longyear Driller's Name: Justin, Scott Drilling Method: Rotary Sonic Casing Size: 4" inner diameter Rig Type: Mini Sonic Rig Sampling Method: 4" Steel Casing	Northing: 690035.928 Easting: 637657.773 Casing Elevation: NA Borehole Depth: 40' bgs Surface Elevation: 8.89' MVD Descriptions By: D.M. Mack	Boring ID: SB-101 Client: Consolidated Edison Company of New York, Inc. Location: Former East 11th Street Works Saint Emeric's Property Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
-10		4	15'-20'	1.3'	5.2			XXXXXX XXXXXX XXXXXX XXXXXX XXXXXX XXXXXX XXXXXX XXXXXX XXXXXX XXXXXX	Brown-gray fine to medium SAND, some Silt, little construction debris, wet. (fill)	Portland 15% Bentonite grout (0'-40' bgs)
20					87.6	✕			Black fine to medium SAND, little Silt, little odor and tar-like material, wet.	
-15		5	20'-25'	5.0'	47.2					
25					10.2					
					2.3					
-20		6	25'-30'	5.0'	0.3				Black and gray fine to medium SAND, little Silt, trace coarse Sand, wet.	
30					ND				Brown to black fine to medium SAND, little Silt, wet.	
-25		7	30'-35'	5.0'	ND	✕			Similiar soils as above, some Silt.	
35					ND				Similar soils as above, little Silt.	
					ND					

	Remarks: NA = not available; ND = non-detect; bgs = below ground surface; ppm = parts per million. Soil samples taken from 7'-8' bgs, 20'-21' bgs, 32.5'-33' bgs and 37'-38' bgs. All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 7/14/06 - 7/15/06
Drilling Company: Boart Longyear
Driller's Name: Justin, Scott
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Mini Sonic Rig
Sampling Method: 4" Steel Casing

Northing: 690035.928
Easting: 637657.773
Casing Elevation: NA

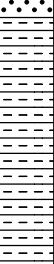
Borehole Depth: 40' bgs
Surface Elevation: 8.89' MVD

Descriptions By: D.M. Mack

Boring ID: SB-101

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
Saint Emeric's Property
Manhattan, New York

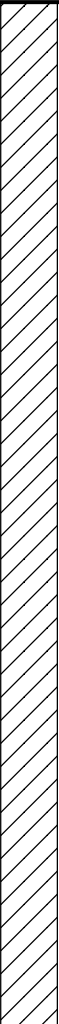
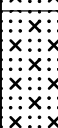
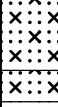
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
-30		8	35'-40'	5.0'	ND	✕			Light gray CLAY and SILT, trace fine Sand, wet.	 Portland 15% Bentonite grout (0'-40' bgs)
-40									End of Boring at 40' bgs	
-35										
-45										
-50										
-45										
-55										



Remarks: NA = not available; ND = non-detect; bgs = below ground surface; ppm = parts per million.

Soil samples taken from 7'-8' bgs, 20'-21' bgs, 32.5'-33' bgs and 37'-38' bgs. All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 7/13/06 - 7/13/06 Drilling Company: Boart Longyear Driller's Name: Justin, Scott Drilling Method: Rotary Sonic Casing Size: 4" inner diameter Rig Type: Mini Sonic Rig Sampling Method: 4" Steel Casing	Northing: 689948.653 Easting: 637697.738 Casing Elevation: NA Borehole Depth: 50' bgs Surface Elevation: 8.72' MVD Descriptions By: D.M. Mack	Boring ID: SB-102 Client: Consolidated Edison Company of New York, Inc. Location: Former East 11th Street Works Saint Emeric's Property Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
10										
0										
		1	0'-5'	2.5'	NA				ASPHALT	 Portland 15% Bentonite grout (0'-50' bgs)
									Brown to red SILT and fine to coarse SAND, some Gravel, trace Cobbles, moist. (fill)	
5									CONCRETE and COBBLES, some fine to medium Gravel. (fill)	
5									Brown fine to coarse GRAVEL and COBBLES, some fine to medium Sand, little Silt. (fill)	
		2	5'-10'	5.0'	ND				Gray SILT and fine to coarse GRAVEL, some Sand, dry. (fill)	
									Red brown fine to coarse GRAVEL, some fine to medium Sand, little Silt, moist to wet. (fill)	
0					ND				Brown to gray fine to coarse GRAVEL, some fine to coarse Sand, Silt, and Cobbles, wet. (fill)	
10					0.6				Black fine to coarse GRAVEL, some fine to medium Sand, little Silt and Cobbles, wet. (fill)	
		3	10'-15'	5.0'	77.7				Black stained WOOD pilings with tar-like material. (fill)	
									Black WOOD, timbers. (fill)	
-5									Black fine SAND, some Silt, little Wood fragments, wet.	
15										

	Remarks: NA = not available; ND = non-detect; bgs = below ground surface; MGP = manufactured gas plant; ppm = parts per million. Soil samples taken from 8'-9' bgs, 32'-33' bgs, 39'-40' bgs and 49'-50' bgs. All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 7/13/06 - 7/13/06 Drilling Company: Boart Longyear Driller's Name: Justin, Scott Drilling Method: Rotary Sonic Casing Size: 4" inner diameter Rig Type: Mini Sonic Rig Sampling Method: 4" Steel Casing	Northing: 689948.653 Easting: 637697.738 Casing Elevation: NA Borehole Depth: 50' bgs Surface Elevation: 8.72' MVD Descriptions By: D.M. Mack	Boring ID: SB-102 Client: Consolidated Edison Company of New York, Inc. Location: Former East 11th Street Works Saint Emeric's Property Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
-10		4	15'-20'	5.0'	0.3					
					1.2				Black fine SAND, some Silt, trace Wood fragments.	
20									Gray to black fine to medium SAND, some silt, wet.	
					0.2					
-15		5	20'-25'	5.0'	0.1				Brown to light brown SILT, some fine Sand (interbedded), little clay.	
					ND				Similar soils as above, wet.	
25										
		6	25'-30'	4.5'	0.2				Gray to black fine SAND, some Silt, wet.	
-20					1.0					
					1.2					
30					2.2					
									Black fine SAND, some silt, sheen and odor, wet.	
									Similar soils as above, heavy sheen and tar-like material, wet.	
-25		7	30'-35'	5.0'	87.2	✕			Brown to light brown fine to medium SAND and SILT, wet, little odor.	
					2.6					
35									Brown fine SAND, little Silt, moist, some black staining from 36' bgs to 36.5' bgs.	
										Portland 15% Bentonite grout (0'-50' bgs)

	Remarks: NA = not available; ND = non-detect; bgs = below ground surface; MGP = manufactured gas plant; ppm = parts per million. Soil samples taken from 8'-9' bgs, 32'-33' bgs, 39'-40' bgs and 49'-50' bgs. All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 7/13/06 - 7/13/06 Drilling Company: Boart Longyear Driller's Name: Justin, Scott Drilling Method: Rotary Sonic Casing Size: 4" inner diameter Rig Type: Mini Sonic Rig Sampling Method: 4" Steel Casing	Northing: 689948.653 Easting: 637697.738 Casing Elevation: NA Borehole Depth: 50' bgs Surface Elevation: 8.72' MVD Descriptions By: D.M. Mack	Boring ID: SB-102 Client: Consolidated Edison Company of New York, Inc. Location: Former East 11th Street Works Saint Emeric's Property Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
-30		8	35'-40'	5.0'	3.7					
					ND				Brown fine SAND, little Silt, wet.	
-40						✕				
					ND					
-35		9	40'-45'	5.0'	ND					
					ND					
-45					ND				Black fine SAND, some silt, wet.	
-40		10	45'-50'	4.5'					Brown fine SAND, some silt, wet.	
									Brown to gray SILT, some Clay, trace Sand, moist.	
-50						✕				
									End of Boring at 50' bgs	
-45										
-55										

	Remarks: NA = not available; ND = non-detect; bgs = below ground surface; MGP = manufactured gas plant; ppm = parts per million. Soil samples taken from 8'-9' bgs, 32'-33' bgs, 39'-40' bgs and 49'-50' bgs. All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 7/30/06 - 7/30/06
Drilling Company: Boart Longyear
Driller's Name: Justin, Scott
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Mini Sonic Rig
Sampling Method: 4" Steel Casing

Northing: 689986.529
Easting: 637640.986
Casing Elevation: 8.20' MVD

Borehole Depth: 50' bgs
Surface Elevation: 8.48' MVD

Descriptions By: Jeremy Cuccuini

Well/Boring ID: MW(SB)-103A

Client: Consolidated Edison Company of New York, Inc.

Location: Former East 11th Street Works
Saint Emeric's Property
Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Well/Boring Construction
10										
0										Flush mount curb box Locking J-plug
		1	0'-5'	2.0'	NA				Fine to coarse SAND with Brick, Concrete, Coal fragments, Gravel, dry. (fill)	Concrete pad (0'-2' bgs)
5										Bentonite seal (2'-4' bgs)
5										2" inner diameter schedule 40 PVC riser (0'-6' bgs)
		2	5'-10'	5.0'	ND				Light brown fine to medium SAND, little Silt. (fill)	Grade II Filpro silica sand pack (4'-18' bgs)
0										
10									Dark brown fine to coarse GRAVEL, some fine to coarse Sand, trace Silt, trace Brick, wet. (fill)	
									Light brown fine to medium SAND, some Silt, wet.	2" inner diameter schedule 40 0.010" PVC well screen (6'-16' bgs)
-5									Dark brown fine to medium SAND, trace Silt, wet.	
15		3	10'-20'	10.0'	NA					



Remarks: NA = not available; ND = non-detect; bgs = below ground surface; ppm = parts per million; PVC = polyvinyl chloride.

Soil samples taken from 8'-9' bgs and 49'-50' bgs.
All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Northings: 689986.529
Easting: 637640.986
Casing Elevation: 8.20' MVD
Borehole Depth: 50' bgs
Surface Elevation: 8.48' MVD
Descriptions By: Jeremy Cuccini

Well/Boring ID: MW(SB)-103A

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
Saint Emeric's Property
Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Well/Boring Construction
-10										2" inner diameter schedule 40 PVC sump (16'-18' bgs) Grade II Filpro silica sand pack (4'-18' bgs)
20										
-15										Portland 15% Bentonite grout (18'-50' bgs)
25		4	20'-30'	10.0'	NA					
-20										
30										
-25										
35		5	30'-40'	10.0'	NA					



Remarks: NA = not available; ND = non-detect; bgs = below ground surface; ppm = parts per million; PVC = polyvinyl chloride.

Soil samples taken from 8'-9' bgs and 49'-50' bgs.
All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 7/30/06 - 7/30/06
Drilling Company: Boart Longyear
Driller's Name: Justin, Scott
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Mini Sonic Rig
Sampling Method: 4" Steel Casing

Northing: 689986.529
Easting: 637640.986
Casing Elevation: 8.20' MVD

Borehole Depth: 50' bgs
Surface Elevation: 8.48' MVD

Descriptions By: Jeremy Cuccuini

Well/Boring ID: MW(SB)-103A

Client: Consolidated Edison Company of New York, Inc.

Location: Former East 11th Street Works
 Saint Emeric's Property
 Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Well/Boring Construction
-30										
-40										
-35										
-45	6	40'-50'	10.0'	NA					Dark brown CLAY, trace fine Sand, moist.	
-40										
-50						X			Dark brown fine to medium SAND, trace coarse Sand and Silt, wet.	
-50									End of boring at 50' bgs	
-45										
-55										



Infrastructure, environment, facilities

Remarks: NA = not available; ND = non-detect; bgs = below ground surface; ppm = parts per million; PVC = polyvinyl chloride.

Soil samples taken from 8'-9' bgs and 49'-50' bgs.
 All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 7/31/06 - 7/31/06
Drilling Company: Boart Longyear
Driller's Name: Justin, Scott
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Mini Sonic Rig
Sampling Method: 4" Steel Casing

Northing: 689967.186
Easting: 637677.134
Casing Elevation: 8.06' MVD

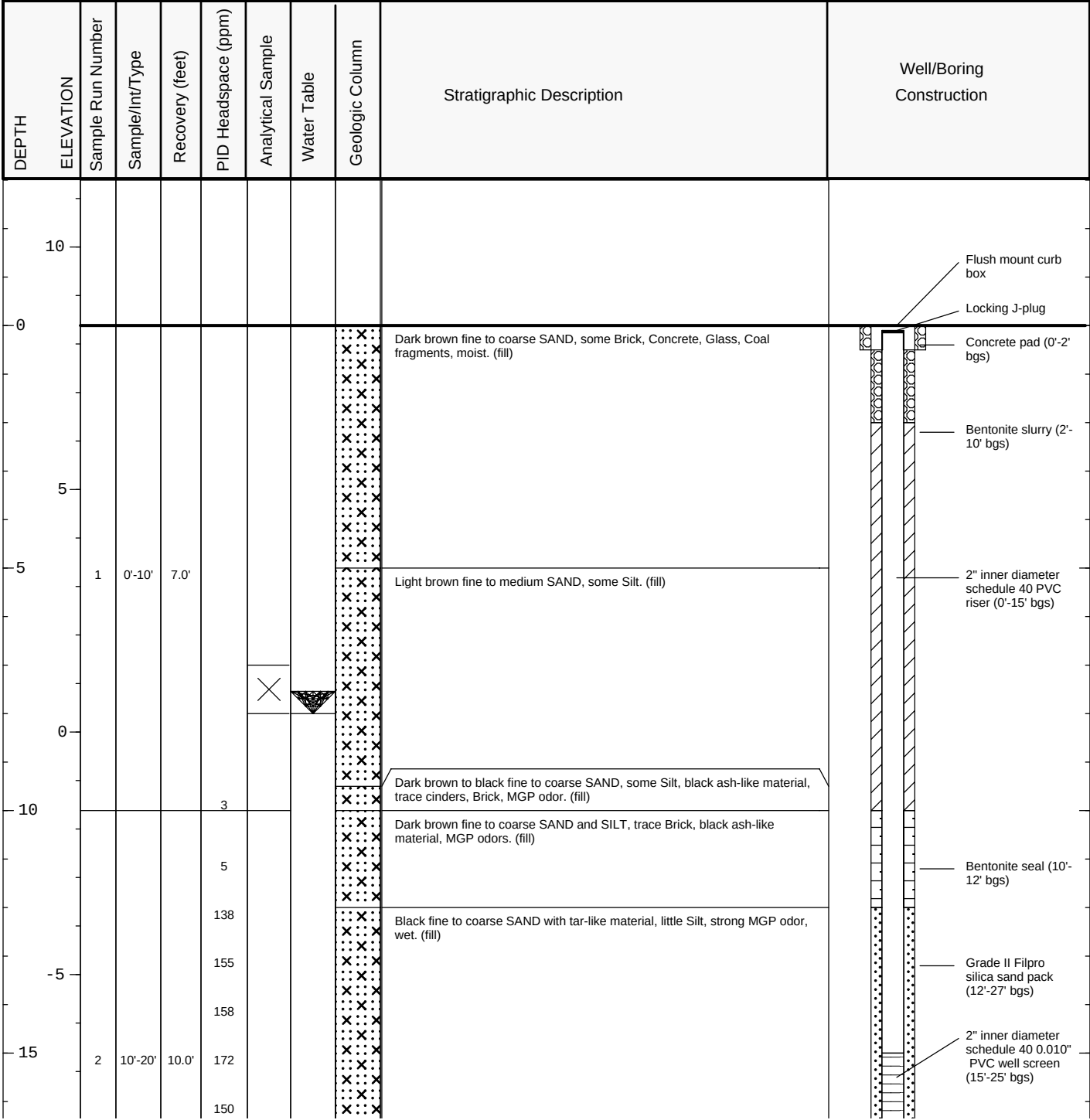
Borehole Depth: 50' bgs
Surface Elevation: 8.38' MVD

Descriptions By: Jeremy Cuccuini

Well/Boring ID: MW(SB)-104B

Client: Consolidated Edison Company of New York, Inc.

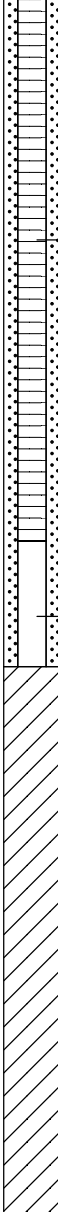
Location: Former East 11th Street Works
 Saint Emeric's Property
 Manhattan, New York



Remarks: NA = not available; ND = non-detect; bgs = below ground surface; MGP = manufactured gas plant; ppm = parts per million; PVC = polyvinyl chloride.

 Soil samples taken from 7'-8' bgs, 20'-21' bgs, 25.5'-26' bgs and 49'-50' bgs. All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 7/31/06 - 7/31/06 Drilling Company: Boart Longyear Driller's Name: Justin, Scott Drilling Method: Rotary Sonic Casing Size: 4" inner diameter Rig Type: Mini Sonic Rig Sampling Method: 4" Steel Casing	Northing: 689967.186 Easting: 637677.134 Casing Elevation: 8.06' MVD Borehole Depth: 50' bgs Surface Elevation: 8.38' MVD Descriptions By: Jeremy Cuccuini	Well/Boring ID: MW(SB)-104B Client: Consolidated Edison Company of New York, Inc. Location: Former East 11th Street Works Saint Emeric's Property Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Well/Boring Construction
-10					78				Gray fine SAND and SILT, MGP odor, wet.	 2" inner diameter schedule 40 0.010" PVC well screen (15'-25' bgs) Grade II Filpro silica sand pack (12'-27' bgs) 2" inner diameter schedule 40 PVC sump (25'-27' bgs) Portland 15% Bentonite grout (27'-50' bgs)
					55				Black fine to coarse SAND, trace black ash-like material, MGP odors.	
					50				Black fine to coarse SAND and SILT, tar-like material, strong MGP odor.	
20					215	×			Light brown CLAY, trace fine Sand, moist, MGP odors.	
					210				Red to brown CLAY, moist.	
					110				Dark brown fine to medium SAND, trace coarse Sand, wet.	
-15					88				Dark brown fine to medium SAND, trace coarse Sand, wet, slight MGP odor from 30'-31' bgs.	
					5				Similar soils as above, light brown.	
					ND					
25	3	20'-30'	10.0'			×				
-20										
30										
-25										
35	4	30'-40'	10.0'	NA						

	Remarks: NA = not available; ND = non-detect; bgs = below ground surface; MGP = manufactured gas plant; ppm = parts per million; PVC = polyvinyl chloride. Soil samples taken from 7'-8' bgs, 20'-21' bgs, 25.5'-26' bgs and 49'-50' bgs. All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 7/31/06 - 7/31/06 Drilling Company: Boart Longyear Driller's Name: Justin, Scott Drilling Method: Rotary Sonic Casing Size: 4" inner diameter Rig Type: Mini Sonic Rig Sampling Method: 4" Steel Casing	Northing: 689967.186 Easting: 637677.134 Casing Elevation: 8.06' MVD Borehole Depth: 50' bgs Surface Elevation: 8.38' MVD Descriptions By: Jeremy Cuccuini	Well/Boring ID: MW(SB)-104B Client: Consolidated Edison Company of New York, Inc. Location: Former East 11th Street Works Saint Emeric's Property Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Well/Boring Construction
-30										
-40										
-35										
-45		5	40'-50'	10.0'						
-40										
-50						X				
									End of boring at 50' bgs	
-45										
-55										

	Remarks: NA = not available; ND = non-detect; bgs = below ground surface; MGP = manufactured gas plant; ppm = parts per million; PVC = polyvinyl chloride. Soil samples taken from 7'-8' bgs, 20'-21' bgs, 25.5'-26' bgs and 49'-50' bgs. All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 7/29/06 - 7/29/06
Drilling Company: Boart Longyear
Driller's Name: Justin, Scott
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Mini Sonic Rig
Sampling Method: 4" Steel Casing

Northing: 689902.026
Easting: 637793.509
Casing Elevation: 7.61' MVD

Borehole Depth: 40' bgs
Surface Elevation: 7.88' MVD

Descriptions By: Jeremy Cuccuini

Well/Boring ID: MW(SB)-105A

Client: Consolidated Edison Company of New York, Inc.

Location: Former East 11th Street Works
 Saint Emeric's Property
 Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Well/Boring Construction
10										
0										Flush mount curb box Locking J-plug Concrete pad (0'-2' bgs)
5		1	0'-5'	1.0'	NA				BRICK, CONCRETE, fine to coarse Sand. (fill)	
5										Bentonite seal (2'-5' bgs)
										2" inner diameter schedule 40 PVC riser (0'-7' bgs)
0		2	5'-10'	2.0'	3.5				Brown fine to coarse SAND, little Silt, trace black ash-like material, moist. (fill)	
										Grade II Filpro silica sand pack (5'-19' bgs)
10					15	×			Dark brown fine to coarse SAND, some black ash-like material, little Silt, slight MGP odor. (fill)	
					10				Dark brown to black fine to coarse SAND, some Silt, trace Gravel, Cobbles, Wood fibers, MGP odor, wet. (fill)	
					50	×				
					15					
-5					5				Dark brown fine to medium SAND, some Silt, trace Wood fibers, wet. (fill)	2" inner diameter schedule 40 0.010" PVC well screen (7'-17' bgs)
15		3	10'-20'	10.0'	12				Brown fine to medium SAND and SILT, wet.	



Remarks: NA = not available; ND = non-detect; bgs = below ground surface; MGP = manufactured gas plant; ppm = parts per million; PVC = polyvinyl chloride.

 Soil samples taken from 9'-10' bgs, 11'-12' bgs, 16.5'-17' bgs and 39'-40' bgs. All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 7/29/06 - 7/29/06
Drilling Company: Boart Longyear
Driller's Name: Justin, Scott
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Mini Sonic Rig
Sampling Method: 4" Steel Casing

Northing: 689902.026
Easting: 637793.509
Casing Elevation: 7.61' MVD

Borehole Depth: 40' bgs
Surface Elevation: 7.88' MVD

Descriptions By: Jeremy Cuccuini

Well/Boring ID: MW(SB)-105A

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
Saint Emeric's Property
Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Well/Boring Construction
-10						X				2" inner diameter schedule 40 0.010" PVC well screen (7'-17' bgs)
20										Grade II Filpro silica sand pack (5'-19' bgs)
-15										2" inner diameter schedule 40 PVC Sump (17'-19' bgs)
25	4	20'-30'	10.0'							Portland 15% Bentonite grout (19'-40' bgs)
-20										
30					ND				Brown SILT, some fine Sand, trace clay lens, wet.	
-25	5	30'-35'	5.0'	NA						
35										



Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
MGP = manufactured gas plant; ppm = parts per million; PVC = polyvinyl chloride.

Soil samples taken from 9'-10' bgs, 11'-12' bgs, 16.5'-17' bgs and 39'-40' bgs.
All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 7/29/06 - 7/29/06
Drilling Company: Boart Longyear
Driller's Name: Justin, Scott
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Mini Sonic Rig
Sampling Method: 4" Steel Casing

Northing: 689902.026
Easting: 637793.509
Casing Elevation: 7.61' MVD

Borehole Depth: 40' bgs
Surface Elevation: 7.88' MVD

Descriptions By: Jeremy Cuccuini

Well/Boring ID: MW(SB)-105A

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
Saint Emeric's Property
Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Well/Boring Construction
-30	6	35'-40'	5.0'	NA		×				 Portland 15% Bentonite grout (19'-40' bgs)
-40									End of boring at 40' bgs	
-35										
-45										
-50										
-55										



Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
MGP = manufactured gas plant; ppm = parts per million; PVC = polyvinyl chloride.

Soil samples taken from 9'-10' bgs, 11'-12' bgs, 16.5'-17' bgs and 39'-40' bgs.
All elevations shown are in Borough President of Manhattan Vertical Datum
(MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 7/30/06 - 7/30/06
Drilling Company: Boart Longyear
Driller's Name: Justin, Scott
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Mini Sonic Rig
Sampling Method: 4" Steel Casing

Northing: 689919.680
Easting: 637653.352
Casing Elevation: 8.24' MVD

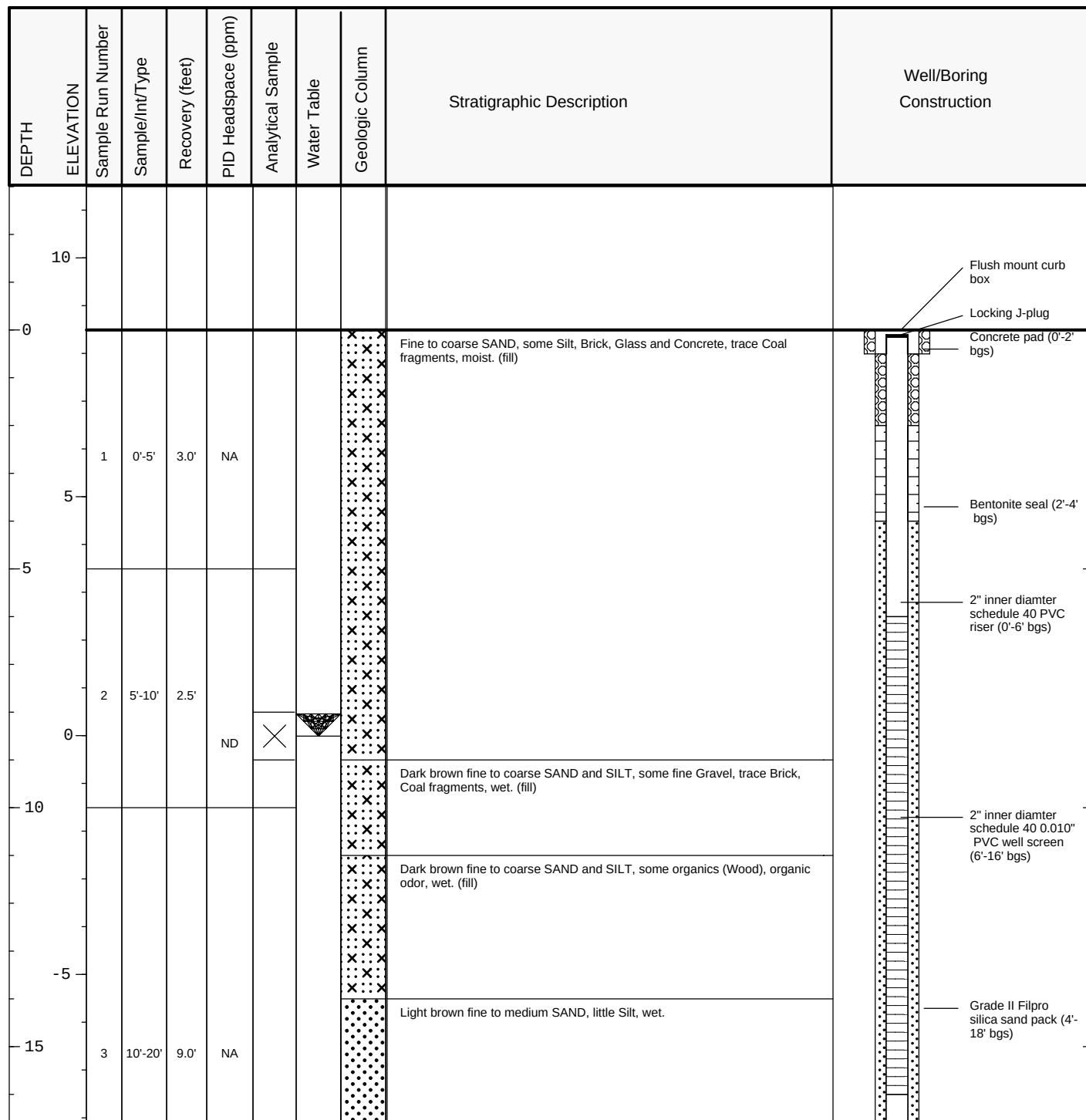
Borehole Depth: 35' bgs
Surface Elevation: 8.49' MVD

Descriptions By: Jeremy Cuccuini

Well/Boring ID: MW(SB)-106A

Client: Consolidated Edison Company of New York, Inc.

Location: Former East 11th Street Works
 Saint Emeric's Property
 Manhattan, New York



Remarks: NA = not available; ND = non-detect; bgs = below ground surface; MGP = manufactured gas plant; ppm = parts per million; PVC = polyvinyl chloride.

 Soil samples taken from 8'-9' bgs, 20'-21' bgs and 32'-33' bgs.
 All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 7/30/06 - 7/30/06
Drilling Company: Boart Longyear
Driller's Name: Justin, Scott
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Mini Sonic Rig
Sampling Method: 4" Steel Casing

Northing: 689919.680
Easting: 637653.352
Casing Elevation: 8.24' MVD

Borehole Depth: 35' bgs
Surface Elevation: 8.49' MVD

Descriptions By: Jeremy Cuccuini

Well/Boring ID: MW(SB)-106A

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
Saint Emeric's Property
Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Well/Boring Construction
-10										2" inner diameter schedule 40 PVC Sump (16'-18' bgs)
20						×			Similar soils as above, slight MGP odor.	Grade II Filpro silica sand pack (4'-18' bgs)
-15									Similar soils as above, no odor.	
25	4	20'-30'	10.0'	NA					Light brown fine SAND and SILT, wet.	
-20									Red brown SILT, trace fine Sand, moist.	Portland 15% Bentonite grout (18'-35' bgs)
30										
-25	5	30'-35'	NA	NA		×			Light brown fine SAND, wet.	
35									End of boring at 35' bgs	



Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
MGP = manufactured gas plant; ppm = parts per million; PVC = polyvinyl
chloride.

Soil samples taken from 8'-9' bgs, 20'-21' bgs and 32'-33' bgs.
All elevations shown are in Borough President of Manhattan Vertical Datum
(MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 5/24/06 - 6/21/06
Drilling Company: Boart Longyear
Driller's Name: Joe Tidwell/Greg Hampton
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Spider Mini Sonic Rig
Sampling Method: 2" Splitspoons, 3" Splitspoons

Northing: 689985.562
Easting: 638191.540
Casing Elevation: 6.71' MVD

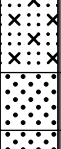
Borehole Depth: 16' bgs
Surface Elevation: 6.99' MVD

Descriptions By: Ronald Kuhn

Well/Boring ID: MW(SB)-107A

Client: Consolidated Edison Company of New York, Inc.

Location: Former East 11th Street Works
Jacob Riis Housing Development
Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Well/Boring Construction
0										Flush mount curb box
									ASPHALT	Locking J-plug
5		1	0'-5'	NA	ND				Dark brown fine to medium SAND, little asphalt, trace fine to coarse Gravel, trace Brick and Cobbles.	Concrete pad (0'-1.5' bgs)
									Orange Brown fine to medium SAND, moderately loose, moist.	2" inner diameter schedule 40 PVC riser (0.2'-5.5' bgs)
5					2.0				Orange brown fine to medium SAND, trace coarse Sand, trace fine Gravel, trace Brick, loose, moist. (fill)	Bentonite seal (1.5'-4' bgs)
0		2	5'-9'	5.0'	2.7					
					2.9				Orange brown fine to medium SAND, trace coarse Sand, trace fine Gravel, trace Brick, loose, moist. (fill)	2" inner diameter 40 0.010" PVC well screen (5.5'-15.5' bgs)
10					1.1				Dark gray brown fine to medium SAND, trace coarse Sand, trace/little fine to coarse Gravel, trace Cobble, trace Silt, trace Brick, loose, saturated. (fill)	Grade II Filpro silica sand pack (4'-16' bgs)
									Dark gray brown fine to medium SAND, trace coarse Sand, trace/little fine to coarse Gravel, trace Cobble, trace Silt, loose, wet.	2" inner diameter schedule 40 PVC sump (15.5'-16' bgs)
-5		3	9'-14'	2.0'					Dark gray brown fine to medium SAND, trace coarse Sand, trace/little fine to coarse Gravel, trace Cobble, trace Silt, loose, wet.	
					0.3				Gray Brown fine to medium SAND, little coarse Sand, trace fine to coarse Gravel, trace Silt, loose, wet.	
15		4	14'-16'	2.0'					End of boring at 16' bgs	
-10										



Remarks: NA = not available; ND = non-detect; bgs = below ground surface; MGP = manufactured gas plant; ppm = parts per million; PVC = polyvinyl chloride.

Samples collected from SB-107B at 9'-11' bgs, 29'-31' bgs, 39'-41' bgs and 53'-54' bgs.

All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Northing: 689983.419
Easting: 638194.194
Casing Elevation: 6.64' MVD
Borehole Depth: 54' bgs
Surface Elevation: 6.98' MVD
Descriptions By: Ronald Kuhn

Well/Boring ID: MW(SB)-107B

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
Jacob Riis Housing Development
Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Well/Boring Construction
0										Flush mount curb box
										Locking J-plug
										Concrete pad (0'-0.2' bgs)
5		1	0'-5'	NA	ND			ASPHALT	Dark brown fine to medium SAND, little Asphalt, trace fine to coarse Gravel, trace Brick/Cobble. (fill)	
									Orange brown fine to medium SAND, moderately loose, moist. (fill)	
5									Orange brown fine to medium SAND, trace coarse Sand, trace fine Gravel, trace Brick, loose, moist. (fill)	
0		2	5'-9'	5.0'	2.0					Portland 15% Bentonite grout (0.2'-24' bgs)
					2.7					
10					2.9	X				2" inner diameter schedule 40 PVC riser (0.2'-28.8' bgs)
-5		3	9'-14'	2.0'	1.1				Dark gray brown fine to medium SAND, trace coarse Sand, trace/little fine to coarse Gravel, trace Cobble, trace Silt, trace Brick, loose, saturated. (fill)	
									Dark gray brown fine to medium SAND, trace coarse Sand, trace/little fine to coarse Gravel, trace Cobble, trace Silt, loose, wet.	
15									Gray Brown fine to medium SAND, little coarse Sand, trace fine to coarse Gravel, trace Silt, loose, wet.	



Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
MGP = manufactured gas plant; ppm = parts per million; PVC = polyvinyl chloride.

Soil samples taken from 9'-11' bgs, 29'-31' bgs, 39'-41' bgs and 53'-54' bgs. All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 5/24/06 - 6/21/06
Drilling Company: Boart Longyear
Driller's Name: Joe Tidwell/Greg Hampton
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Spider Mini Sonic Rig
Sampling Method: 4" Steel Casing

Northing: 689983.419
Easting: 638194.194
Casing Elevation: 6.64' MVD

Borehole Depth: 54' bgs
Surface Elevation: 6.98' MVD

Descriptions By: Ronald Kuhn

Well/Boring ID: MW(SB)-107B

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
Jacob Riis Housing Development
Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Well/Boring Construction
-10		4	14'-19'	3.0'	0.3				Dark gray/black fine SAND, trace Silt, loose, very slight odor, wet.	Portland 15% Bentonite grout (0.2'-24' bgs)
-20					0.3					2" inner diameter schedule 40 PVC riser (0.2'-28.8' bgs)
-15		5	19'-24'	5.0'	0.5					
-25					0.2					Bentonite seal (24'-26.5' bgs)
-20		6	24'-29'	5.0'	0.4					
					1.1				Dark gray/black Silty fine to medium SAND and red BRICK, heavy sheen, odor, moderately loose, wet.	
-30					211	×			Dark gray/black organic CLAYEY SILT, trace natural Organics (vegetation), trace tar-like material with MGP odor throughout, slight plasticity, moist.	2" inner diameter schedule 40 0.010" PVC well screen (28.8'-38.8' bgs)
-25		7	29'-34'	4.0'	63.2				Dark gray brown fine to medium SAND, trace coarse Sand, trace Silt, trace tar-like material, MGP odor throughout, wet.	
-35					54				Dark gray brown fine to medium SAND, trace coarse Sand, trace Silt, odor, tar-like material, loose, wet.	Grade II Filpro silica sand pack (26.5'-42' bgs)



Remarks: NA = not available; ND = non-detect; bgs = below ground surface; MGP = manufactured gas plant; ppm = parts per million; PVC = polyvinyl chloride.

Soil samples taken from 9'-11' bgs, 29'-31' bgs, 39'-41' bgs and 53'-54' bgs. All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 5/24/06 - 6/21/06
Drilling Company: Boart Longyear
Driller's Name: Joe Tidwell/Greg Hampton
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Spider Mini Sonic Rig
Sampling Method: 4" Steel Casing

Northing: 689983.419
Easting: 638194.194
Casing Elevation: 6.64' MVD

Borehole Depth: 54' bgs
Surface Elevation: 6.98' MVD

Descriptions By: Ronald Kuhn

Well/Boring ID: MW(SB)-107B

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
Jacob Riis Housing Development
Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Well/Boring Construction
-30		8	34'-39'	3.0'	33				Dark red brown oil-like material with MGP odor at 37'-39' bgs.	2" inner diameter schedule 40 0.010" PVC well screen (28.8'-38.8' bgs)
-40					36.5					
-35		9	39'-44'	5.0'	2.1	×			Light gray brown fine to medium SAND, trace Silt, slight MGP odor, loose, wet.	2" inner diameter schedule 40 PVC sump (38.8'-41.3' bgs)
-45					7.5					Grade II Filpro silica sand pack (26.5'-42' bgs)
-40		10	44'-49'	5.0'	4.5				Light gray brown fine SAND, trace Silt, slight MGP odor.	
-50					2.1					Bentonite seal (42'-54' bgs)
-45		11	49'-54'	5.0'	0.3				Red brown SILT, slight odor, moderately dense, wet.	
-55					ND				Gray brown to red brown fine SAND, little Silt and Clay, wet.	
					ND	×				
					ND				End of boring at 54' bgs	



Remarks: NA = not available; ND = non-detect; bgs = below ground surface; MGP = manufactured gas plant; ppm = parts per million; PVC = polyvinyl chloride.

Soil samples taken from 9'-11' bgs, 29'-31' bgs, 39'-41' bgs and 53'-54' bgs. All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 5/23/06 - 6/20/06
Drilling Company: Universal Testing
Driller's Name: Victor, Brian, Sal
Drilling Method: Hollow-Stem Auger (HSA)
Bit Size:
Auger Size: 3-1/4" inner diameter
Rig Type: CME 55 Truck-Mounted Rig
Sampling Method: 2" Splitspoons, 3" Splitspoons

Northing: 689948.653
Easting: 638255.912
Casing Elevation: NA
Borehole Depth: 45' bgs
Surface Elevation: 6.76' MVD
Descriptions By: Ronald Kuhn/
 Jeremy Cuccuini

Boring ID: SB-108
Client: Consolidated Edison Company
 of New York, Inc.
Location: Former East 11th Street Works
 Jacob Riis Housing Development
 Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
0												
5			0'-5'	NA			ND				ASPHALT Dark brown fine to medium SAND, little Silt, trace fine to coarse Gravel, trace asphalt. Orange brown fine to medium SAND, trace Silt, trace red brick, trace concrete, moist, dense. Orange brown fine to medium SAND, trace coarse Sand, trace fine to medium Gravel, trace Silt, moist. (fill) Similar soils as above, moist to wet. (fill) Brown fine to medium SAND, trace coarse Sand, trace fine to medium Gravel, trace red brick, wet. (fill) Brown fine to medium SAND, trace coarse Sand, trace fine Gravel, trace Silt, wet. (fill) Pulverized red brick, wet. (fill)	Portland 15% Bentonite grout (0'-45' bgs)
5		1	5'-7'	1.3'	9 16 19 20	35	2.9					
0		2	7'-9'	1.5'	4 14 15 16	29	3.0					
10		3	9'-11'	1.8'	5 7 7 6	14	1.5					
-5		4	11'-13'	0.6'	WOH NA 3 50/0.3	3	1.6					
15		5	13'-15'	0.6'	21 50/0.3 NA NA	NA	1.4					
		6	15'-17'	0.1'	50/0.2 NA NA	NA	0.2					



Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
 MGP = manufactured gas plant; WOH = weight of hammer;
 NR = no recovery.

Soil samples taken from 9'-11' bgs, 34'-35' bgs and 43'-45' bgs.
 All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 5/23/06 - 6/20/06
Drilling Company: Universal Testing
Driller's Name: Victor, Brian, Sal
Drilling Method: Hollow-Stem Auger (HSA)
Bit Size:
Auger Size: 3-1/4" inner diameter
Rig Type: CME 55 Truck-Mounted Rig
Sampling Method: 2" Splitspoons, 3" Splitspoons

Northing: 689948.653
Easting: 638255.912
Casing Elevation: NA
Borehole Depth: 45' bgs
Surface Elevation: 6.76' MVD
Descriptions By: Ronald Kuhn/
 Jeremy Cuccuini

Boring ID: SB-108
Client: Consolidated Edison Company
 of New York, Inc.
Location: Former East 11th Street Works
 Jacob Riis Housing Development
 Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
- 10					NA					X X X		
		7	17'-19'	2.0'	1	2	ND			• • •	Black fine to coarse SAND, some silt, trace gray ash-like material, wet.	
					1					• • •	Dark brown fine to coarse SAND, trace brick particles, wet.	
					3					• • •		
20		8	19'-21'	1.8'	1	2	3			• • •	Black fine to medium SAND, some silt, trace organics, slight MGP odor, wet.	
					2					• • •	Dark brown fine to coarse SAND, trace Silt, slight MGP odor, wet.	
- 15		9	21'-23'	1.0'	2	3	ND			• • •	Dark brown fine to medium SAND, wet.	
					2					• • •		
		10	23'-25'	0.6'	1	3	ND			• • •		
25					1					• • •		
		11	25'-27'	NR	1	2	NA			• • •	No recovery.	
- 20					1					• • •		
		12	27'-29'	0.1'	1	3	ND			• • •	Black fine SAND, some Silt, wet.	
					2					• • •		
30		13	29'-31'	0.1'	1	3	ND			• • •		
					2					• • •		
- 25		14	31'-33'	1.0'	2	4	ND			• • •	Black fine to medium SAND, slight MGP odor, wet.	
					2					• • •		
		15	33'-35'	2.0'	8	19	50			• • •	Black fine to medium SAND, strong MGP odor, tar-like material at 34'-34.5' bgs.	
35					10		100			• • •		
					3					• • •	Brown fine SAND, some Silt, slight MGP odor, wet.	
					5					• • •		

Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
 MGP = manufactured gas plant; WOH = weight of hammer;
 NR = no recovery.
 Soil samples taken from 9'-11' bgs, 34'-35' bgs and 43'-45' bgs.
 All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.



Date Start/Finish: 5/23/06 - 6/20/06
Drilling Company: Universal Testing
Driller's Name: Victor, Brian, Sal
Drilling Method: Hollow-Stem Auger (HSA)
Bit Size:
Auger Size: 3-1/4" inner diameter
Rig Type: CME 55 Truck-Mounted Rig
Sampling Method: 2" Splitspoons, 3" Splitspoons

Northing: 689948.653
Easting: 638255.912
Casing Elevation: NA
Borehole Depth: 45' bgs
Surface Elevation: 6.76' MVD
Descriptions By: Ronald Kuhn/
Jeremy Cuccuini

Boring ID: SB-108
Client: Consolidated Edison Company
of New York, Inc.
Location: Former East 11th Street Works
Jacob Riis Housing Development
Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
-30		16	35'-37'	1.6'	5 3	10	0.5					
		17	37'-39'	0.1'	3 3 8 11	11	0.5				Similar soils as above, slight MGP odor, sheen.	
-40		18	39'-41'	0.4'	5 4 5 5	9	1				Brown fine to medium SAND, slight MGP odor, wet.	
-35		19	41'-43'	0.5'	9 10 17 17	27	3.5					
		20	43'-45'	0.6'	10 15 10 9	25	5	✗			Similar soils as above with sheen, slight MGP odor.	
45											End of boring at 45' bgs	
-40												
50												
-45												
55												



Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
MGP = manufactured gas plant; WOH = weight of hammer;
NR = no recovery.

Soil samples taken from 9'-11' bgs, 34'-35' bgs and 43'-45' bgs.
All elevations shown are in Borough President of Manhattan Vertical Datum
(MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 5/24/06 - 6/16/06
Drilling Company: Universal Testing
Driller's Name: Brian Ramos, Billy Swinick, Victor
Drilling Method: Hollow-Stem Auger (HSA)
Bit Size:
Auger Size: 3-1/4" inner diameter
Rig Type: CME 55 Truck-Mounted Rig
Sampling Method: 2" Splitspoons, 3" Splitspoons

Northing: 689884.790
Easting: 638304.690
Casing Elevation: NA
Borehole Depth: 43' bgs
Surface Elevation: 6.11
Descriptions By: Ronald Kuhn

Boring ID: SB-109
Client: Consolidated Edison Company of New York, Inc.
Location: Former East 11th Street Works
 Jacob Riis Housing Development
 Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
0											CONCRETE.	
5		1	0'-5'	NA	NA	NA	ND				Brown fine to medium SAND, little SILT, trace fine to coarse GRAVEL, trace brick, cobble and asphalt. (fill)	
5					5						Dark gray brown silty fine SAND, trace medium to coarse Sand, trace fine to medium Gravel, trace coal, brick, ash, cinders, moist. (fill)	
0		2	5'-7'	2.0'	2	8	2.9				Orange brown fine SAND, trace Silt, wet. (fill)	
					2						Orange brown silty fine to medium SAND, trace coarse Sand, trace fine to medium Gravel, loose, wet. (fill)	
		3	7'-9'	0.5'	5	8	2.3				Dark gray/black silty fine to medium SAND, little Coal, cinders, wet. (fill)	
10		4	9'-11'	0.5'	3	4	3.2				Dark gray/black silty FILL (red and gray brick, coal, cinders), trace fine to medium Gravel, loose, wet. (fill)	
-5		5	11'-13'	1.2'	13	24	3.3				Dark gray fine to medium SAND, trace Silt, little brick and coal, cinders, loose, wet. (fill)	
		6	13'-15'	1.3'	8	19	2.8				Dark gray silty fine to medium SAND, some slag, brick, cinders, coal, trace fine to medium Gravel, wet. (fill)	
15					5							
-10		7	15'-17'	1.4'	7	15	3.0					

Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
 MGP = manufactured gas plant; ppm = parts per million; WOH = weight of hammer.
 Soil samples taken from 6.5'-7' bgs, 31'-33' bgs and 41'-43' bgs.
 All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.



Boring ID: SB-109

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
Jacob Riis Housing Development
Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 inches	N - Value	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
20					7					X X X		Portland 15% Bentonite grout (0'-43' bgs)
		8	17'-19'	1.1'	5	22	3.4			X X X	Dark gray silty FILL (brick, slag, concrete, cinders), loose, saturated. (fill)	
					17					X X X		
					13					X X X		
-15		9	19'-21'	1.2'	6	13	4.0			X X X	Dark gray/black silty FILL (brick, slag, concrete, wood, cinders), very loose, slight sheen, wet. (fill)	
					7					X X X		
					9					X X X		
					12					X X X		
25		10	21'-23'	0.5'	4	8	25.5			X X X	Black stained WOOD, slight odor (non-MGP), trace sheen. (fill)	
					4					X X X		
					6					X X X		
					3					X X X		
-20		11	23'-25'	0.3'	8	18	14.5			X X X	Black clayey SILT and WOOD, trace fine Sand, slight odor (non-MGP), wet, trace sheen. (fill/native)	
					10					X X X		
					17					X X X		
					2					X X X		
30		12	25'-27'	2.0'	1	3	20.9			X X X	Dark gray/black organic clayey SILT, trace fine Sand, moist, slight odor (non-MGP, more solvent-like)	
					2					X X X		
					1					X X X		
					1					X X X		
-25		13	27'-29'	1.4'	1	2	15.2			X X X	Dark gray/black silty fine SAND, very loose/soft, slight sheen, odor.	
					1					X X X		
					1					X X X		
					1					X X X		
35		14	29'-31'	1.6'	1	2	11.8			X X X	Dark gray/black clayey SILT, little fine Sand, odor, slight sheen, wet.	
					1					X X X		
					3					X X X		
					WOH/12"					X X X		
		15	31'-33'	1.6'	4	4	137	X		X X X	Gray brown fine SAND, trace Silt, red brown tar-like material throughout sample (MGP odor), loose, wet.	
					8					X X X		
		16	33'-35'	1.5'	11	24	137			X X X	Gray brown fine SAND grading to gray brown fine to medium SAND, trace coarse Sand, trace coarse Gravel, moderately dense, trace red-brown tar-like material, trace sheen, MGP odor.	
					13					X X X		
					12					X X X		
					7					X X X		
					10					X X X	Gray brown fine to medium SAND, trace coarse Sand, sheen, odor, wet.	



Soil samples taken from 6.5'-7' bgs, 31'-33' bgs and 41'-43' bgs.
All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Northings: 690013.641
Easting: 638069.443
Casing Elevation: NA

Borehole Depth: 51' bgs
Surface Elevation: 6.28' MVD

Descriptions By: Ronald Kuhn/
 Jeremy Cuccuini

Boring ID: **SB-110**

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
Jacob Riis Housing Development
Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
0												
5												
0												
5												
10												
-5												
-10												
-15												
-20												
-25												
-30												
-35												
-40												
-45												
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-810												
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-990												
-995												
-1000												</



Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
MGP = manufactured gas plant; ppm = parts per million; NR = no recovery.

Soil samples taken from 7'-8' bgs, 17'-19' bgs, 26'-26.5' bgs and 49'-51' bgs. All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 5/25/06 - 6/22/06
Drilling Company: Universal Testing
Driller's Name: Victor, Brian, Sal
Drilling Method: Hollow-Stem Auger
Bit Size:
Auger Size: 3-1/4" inner diameter
Rig Type: CME 55 Truck-Mounted Rig
Sampling Method: 2" Splitspoons, 3" Splitspoons

Northing: 690013.641
Easting: 638069.443
Casing Elevation: NA
Borehole Depth: 51' bgs
Surface Elevation: 6.28' MVD
Descriptions By: Ronald Kuhn/
Jeremy Cuccuini

Boring ID: SB-110
Client: Consolidated Edison Company
of New York, Inc.
Location: Former East 11th Street Works
Jacob Riis Housing Development
Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
10					2					X X X		
					1					X X X		
					1					X X X		
		7	17'-19'	1.0'	7	8	1	X		X X X	Black ASH-LIKE MATERIAL with fine to medium SAND, trace coal particles, slight MGP odors, wet. (fill)	
					4					X X X		
					36					X X X		
20		8	19'-21'	0.4'	7	18	ND			X X X		
					7					X X X		
-15					5					X X X		
					4					X X X		
		9	21'-23'	1.5'	2	6	ND			X X X	Black organic CLAY, trace fine Sand and Wood particles, moist.	
					2					X X X		
					3					X X X		
		10	23'-25'	1.0'	5	13	ND			X X X	Dark brown fine to coarse SAND, trace gray ash-like material, slight MGP odor, wet.	
					4					X X X		
25					3					X X X		
					7					X X X	Similar soils as above, no odors.	
-20		11	25'-27'	1.0'	11	18	ND	X		X X X		
					9					X X X		
					10					X X X		
		12	27'-29'	0.6'	6	11	ND			X X X	Brown fine to medium SAND, wet.	
					5					X X X		
					6					X X X		
30					1					X X X		
					1					X X X		
		13	29'-31'	1.6'	4	5	ND			X X X		
					5					X X X		
-25					1					X X X		
					4					X X X		
		14	31'-33'	1.6'	3	7	ND			X X X		
					2					X X X		
					NA					X X X		
		15	33'-35'	NR	NA	NA	NA			X X X		
					NA					X X X		
35					3					X X X		
					4					X X X		



Infrastructure, environment, facilities

Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
MGP = manufactured gas plant; ppm = parts per million; NR = no recovery.

Soil samples taken from 7'-8' bgs, 17'-19' bgs, 26'-26.5' bgs and 49'-51' bgs.
All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Boring ID: SB-110

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
Jacob Riis Housing Development
Manhattan, New York

Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
MGP = manufactured gas plant; ppm = parts per million; NR = no recovery.

Soil samples taken from 7'-8' bgs, 17'-19' bgs, 26'-26.5' bgs and 49'-51' bgs
All elevations shown are in Borough President of Manhattan Vertical Datum
(MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 5/22/06 - 6/22/06 Drilling Company: Boart Longyear Driller's Name: Joe Tidwell/Greg Hampton Drilling Method: Rotary Sonic Casing Size: 4" inner diameter Rig Type: Spider Mini Sonic Rig Sampling Method: 4" Steel Casing	Northing: 689809.037 Easting: 638339.202 Casing Elevation: 6.14' MVD Borehole Depth: 54' bgs Surface Elevation: 6.42' MVD Descriptions By: Ronald Kuhn	Well/Boring ID: MW(SB)-111B Client: Consolidated Edison Company of New York, Inc. Location: Former East 11th Street Works Jacob Riis Housing Development Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Well/Boring Construction
0										Flush mount curb box Locking J-plug Concrete pad (0'-2' bgs) Bentonite seal (2'-15' bgs) 2" inner diameter schedule 40 PVC riser (0.2'-30' bgs) Portland 15% Bentonite grout (15'-25' bgs)
5		1	0'-6'	5.0'	ND			TOPSOIL ROCK BOULDERS, trace red Brick, trace Porcelain, trace Sands and Gravel within pore space of boulders. (fill) Cored BOULDER. (fill)		
0		2	6'-9'	1.5'	1.6	×		Dark gray brown BOULDER (fractures from coring), little fine to coarse Gravel (fractured portion of Boulder while drilling), little fine Sand, little Silt, trace Sheen, slight MGP odor. (fill) Dark gray fine to coarse SAND, trace fine to coarse Gravel, trace Silt, trace Brick, Sheen, MGP odor, saturated. (fill) COBBLE/BOULDER (cored), trace Sheen. (fill) WOOD (railroad tie or piling), slight sheen, MGP/creosol odor. (fill)		
-5		3	9'-14'	2.0'	2.5					
-10					2.6					
-15					3.8					

	Remarks: NA = not available; ND = non-detect; bgs = below ground surface; MGP = manufactured gas plant; ppm = parts per million; PVC = polyvinyl chloride. Soil samples taken from 6'-9' bgs, 29'-31' bgs, 45'-45.5' bgs and 53'-54' bgs. All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 5/22/06 - 6/22/06 Drilling Company: Boart Longyear Driller's Name: Joe Tidwell/Greg Hampton Drilling Method: Rotary Sonic Casing Size: 4" inner diameter Rig Type: Spider Mini Sonic Rig Sampling Method: 4" Steel Casing	Northing: 689809.037 Easting: 638339.202 Casing Elevation: 6.14' MVD Borehole Depth: 54' bgs Surface Elevation: 6.42' MVD Descriptions By: Ronald Kuhn	Well/Boring ID: MW(SB)-111B Client: Consolidated Edison Company of New York, Inc. Location: Former East 11th Street Works Jacob Riis Housing Development Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Well/Boring Construction
-10		4	14'-19'	0.5'						
					11.6					Portland 15% Bentonite grout (15'-25' bgs)
-20					81.5				Dark gray/black organic CLAYEY SILT, trace fine Sand, trace natural Organics (vegetation), red brown MGP tar-like material throughout, strong odor, wet. (fill)	2" inner diameter schedule 40 PVC riser (0.2'-30' bgs)
-15		5	19'-24'	4.0'						
					163					
-25					185				Dark gray/black WOOD, trace MGP tar-like material throughout, trace Silt, wet. (fill)	
-20		6	24'-29'	5.0'						Bentonite seal (25'-28' bgs)
					314					Grade II Filpro silica sand pack (28'-43' bgs)
					240					
-30					1148	×			Dark gray/black organic CLAYEY SILT, trace fine Sand, little Wood, strong MGP odor, tar-like material throughout, wet.	2" inner diameter schedule 40 0.010" PVC well screen (30'-40' bgs)
-25		7	29'-34'	5.0'					Gray brown fine to medium SAND, trace coarse Sand, tar-like material with MGP odor throughout, trace Silt, loose, wet.	
					544					
-35					156				Dark gray brown fine to medium SAND, trace coarse Sand, trace Organics (Wood), tar-like material with MGP odor throughout, saturated.	

	Remarks: NA = not available; ND = non-detect; bgs = below ground surface; MGP = manufactured gas plant; ppm = parts per million; PVC = polyvinyl chloride. Soil samples taken from 6'-9' bgs, 29'-31' bgs, 45'-45.5' bgs and 53'-54' bgs. All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 5/22/06 - 6/22/06 Drilling Company: Boart Longyear Driller's Name: Joe Tidwell/Greg Hampton Drilling Method: Rotary Sonic Casing Size: 4" inner diameter Rig Type: Spider Mini Sonic Rig Sampling Method: 4" Steel Casing	Northing: 689809.037 Easting: 638339.202 Casing Elevation: 6.14' MVD Borehole Depth: 54' bgs Surface Elevation: 6.42' MVD Descriptions By: Ronald Kuhn	Well/Boring ID: MW(SB)-111B Client: Consolidated Edison Company of New York, Inc. Location: Former East 11th Street Works Jacob Riis Housing Development Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Well/Boring Construction
-30		8	34'-39'	4.0'	109					
					139				Coarse Sand, sheen with tar-like material at 38'-38.1' bgs. Fine to medium Gravel at 38.9'-39' bgs.	2" inner diameter schedule 40 0.010" PVC well screen (30'-40' bgs)
-40					192				Dark gray/black fine to coarse SAND, little fine to medium Gravel, trace Silt, saturated with red-brown tar-like material with MGP odor, saturated.	Grade II Filpro silica sand pack (28'-43' bgs)
-35		9	39'-44'	5.0'	47				Gray brown fine SAND, trace Silt interbedding (~0.10' bedding), MGP odor, sheen on outside of sample, wet.	2" inner diameter schedule 40 PVC sump (40'-42.5' bgs)
-45					23.7				Gray brown fine SAND and SILT, saturated.	
-40		10	44'-49'	5.0'	6.0				Gray brown fine SAND and SILT, Silt and Clay laminations throughout, wet.	Portland 15% Bentonite grout (42.5'-54' bgs)
					3.8					
-50					3.6				Red brown SILT, trace Clay, wet.	
-45		11	49'-54'	5.0'	2.1					
					1.6					
									End of boring at 54' bgs	
55										

	Remarks: NA = not available; ND = non-detect; bgs = below ground surface; MGP = manufactured gas plant; ppm = parts per million; PVC = polyvinyl chloride. Soil samples taken from 6'-9' bgs, 29'-31' bgs, 45'-45.5' bgs and 53'-54' bgs. All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 5/26/06 - 7/28/06
Drilling Company: Boart Longyear
Driller's Name: Just, Scott
Drilling Method: Hollow-Stem Auger/Rotary Sonic
Bit Size:
Auger Size: 4" inner diameter
Rig Type: Mini Sonic Rig
Sampling Method: 4" Steel Casing

Northing: 689836.449
Easting: 638122.734
Casing Elevation: NA
Borehole Depth: 55' bgs
Surface Elevation: 7.35' MVD
Descriptions By: D.M. Mack

Boring ID: SB-112
Client: Consolidated Edison Company of New York, Inc.
Location: Former East 11th Street Works
 Jacob Riis Housing Development
 Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
10												
0												
5		1	0'-5'	NA	NA	NA	ND				CONCRETE	
5		2	5'-7'	0.6'	4 4 5 4	9	5				Dark brown fine to medium SAND, little Silt, trace coarse Sand, trace red Brick/Cobble, trace fine to coarse Gravel. (fill)	
0		3	7'-9'	0.8'	3 4 4 5	8	30				Dark brown fine to coarse SAND and BRICK, trace Coal and Concrete fragments, trace Silt. (fill)	
10		4	9'-11'	0.8'	2 2 7 6	9	85				Black fine to medium SAND, trace Coal fragments, ash-like material, oil-like material, sheen, slight MGP odor. (fill)	
-5		5	11'-13'	1.0'	4 3 3	5	25				Dark brown fine to medium SAND, trace Silt, black ash-like material, slight MGP odor, wet. (fill)	
15		6	13'-15'	2.0'	3 2 1 1	3	20				Dark brown SILT and fine SAND, slight MGP odor, wet. (fill)	
		7	15'-17'	2.0'	1 2 1 2	3	15					

Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
 MGP = manufactured gas plant; ppm = parts per million; NR = no recovery.
 Soil samples taken from 5'-7' bgs, 17'-18' bgs, 34'-35' bgs and 54'-55' bgs.
 All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 5/26/06 - 7/28/06
Drilling Company: Boart Longyear
Driller's Name: Just, Scott
Drilling Method: Hollow-Stem Auger/Rotary Sonic
Bit Size:
Auger Size: 4" inner diameter
Rig Type: Mini Sonic Rig
Sampling Method: 4" Steel Casing

Northing: 689836.449
Easting: 638122.734
Casing Elevation: NA
Borehole Depth: 55' bgs
Surface Elevation: 7.35' MVD
Descriptions By: D.M. Mack

Boring ID: SB-112
Client: Consolidated Edison Company of New York, Inc.
Location: Former East 11th Street Works
 Jacob Riis Housing Development
 Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
-10					2 2			✕				
		8	17'-19'	1.5'	50/3" NA	NA	230				Black fine to coarse SAND, some Silt, strong MGP odor/sheen. (fill)	
											BRICK, fine to coarse SAND, 0.25' layer of tar-like material. (fill)	
-20		9	19'-21'	NR	50/1" NA NA NA	NA	NA				No recovery. (fill)	
-15		10	21'-22.5'									
		11	22.5'-25'								Hollow-stem auger refusal at 22.5' bgs; begin Rotary Sonic drilling.	
-25							7.6 9.9				Black COBBLES and fine to coarse GRAVEL, little fine to coarse Sand and Silt, wet, MGP odor. (fill)	
											Black fine to coarse SAND, some Silt, little fine Gravel, wet, sheen and MGP odors. (fill)	
											WOOD timber, wet, odor. (fill)	
-20		12	25'-30'	5.0'			2.5 19.1				Gray to black SILT, little fine Sand, wet, slight MGP odor. (fill)	
											WOOD timber debris. (fill)	
-30							4.2				Gray to black SILT, little fine Sand, wet, slight MGP odor. (fill)	
							2.7				Similar soils as above, wet, no odor. (fill)	
-25		13	30'-35'	5.0'			0.5				Black fine SAND, some fine Gravel, little Silt, wet.	
							0.6				Brown to tan fine SAND, little medium to coarse Sand and Silt, wet.	
-35								✕				
											NOTE: Hit running sand and could collect sample, sample was lost. Core barrel locked and had to be vibrated to be released.	



Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
 MGP = manufactured gas plant; ppm = parts per million; NR = no recovery.

Soil samples taken from 5'-7' bgs, 17'-18' bgs, 34'-35' bgs and 54'-55' bgs.
 All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 5/26/06 - 7/28/06
Drilling Company: Boart Longyear
Driller's Name: Just, Scott
Drilling Method: Hollow-Stem Auger/Rotary Sonic
Bit Size:
Auger Size: 4" inner diameter
Rig Type: Mini Sonic Rig
Sampling Method: 4" Steel Casing

Northing: 689836.449
Easting: 638122.734
Casing Elevation: NA
Borehole Depth: 55' bgs
Surface Elevation: 7.35' MVD
Descriptions By: D.M. Mack

Boring ID: SB-112
Client: Consolidated Edison Company of New York, Inc.
Location: Former East 11th Street Works
 Jacob Riis Housing Development
 Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
-30												
40		14	35'-45'	0.0'			NA					
-35												
45												
-40		15	45'-50'	3.0'			0.5				Brown to gray fine SAND, little Silt, wet.	
50												
-45		16	50'-55'	4.0'			ND				Brown to gray fine SAND, some Silt, wet.	
55												
											End of boring at 55' bgs	



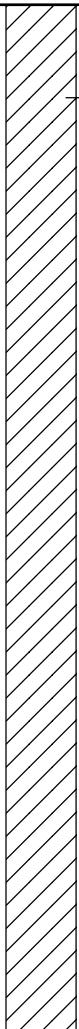
Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
 MGP = manufactured gas plant; ppm = parts per million; NR = no recovery.

Soil samples taken from 5'-7' bgs, 17'-18' bgs, 34'-35' bgs and 54'-55' bgs.
 All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 7/13/06 - 7/27/06
Drilling Company: Boart Longyear
Driller's Name: Justin, Scott
Drilling Method: Hollow-Stem Auger/Rotary Sonic
Bit Size:
Auger Size: 4" inner diameter
Rig Type: Mini Sonic Rig
Sampling Method: 4" Steel Casing

Northing: 689897.632
Easting: 637912.51
Casing Elevation: NA
Borehole Depth: 35' bgs
Surface Elevation: 7.38' MVD
Descriptions By: D.M. Mack

Boring ID: SB-113
Client: Consolidated Edison Company of New York, Inc.
Location: Former East 11th Street Works
 Jacob Riis Housing Development
 Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
10												
0												
5		1	0'-5'	NA			NA				Utility clearance was completed from ground surface to 5' bgs.	
5		2	5'-7'	0.6'	10 17 17 15	34	ND	X			Light brown fine to coarse SAND, some Gravel, trace clinker-like material. (fill)	
0												
							3.6				Brown fine to coarse SAND and SILT, wet. (fill)	
		3	8'-10'	2.0'			60	X			Black to gray coarse GRAVEL, some fine to coarse Sand, little Silt, wet. (fill)	
10							NA				Brown fine to coarse SAND, some Silt, wet. (fill)	
		4	10'-12'	2.0'			66.6				Black to gray coarse GRAVEL, some coarse to fine Sand, little Silt, wet. (fill)	
											WOOD piling. (fill)	
-5							6.9				Black to gray coarse GRAVEL, some coarse to fine Sand, little Silt, wet. (fill)	
		5	12'-15'	3.0'			26.2				WOOD piling, heavy odor, some Silt and fine Sand. (fill)	
							12.2	X			Brown to black fine SAND, some coarse Gravel and Silt, wet. (fill)	
15							0.2				Brown to black fine SAND and SILT, little coarse Sand and Gravel, wet. (fill)	
											Red BRICK fragments, some fine to coarse Sand and Silt, wet. (fill)	



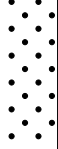
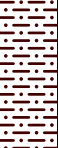
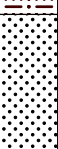
Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
 MGP = manufactured gas plant; ppm = parts per million.

Soil samples taken from 5'-7' bgs, 8.5'-9.5' bgs, 9'-10' bgs, 14'-15' bgs, 22'-23' bgs and 34'-35' bgs.
 All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 7/13/06 - 7/27/06
Drilling Company: Boart Longyear
Driller's Name: Justin, Scott
Drilling Method: Hollow-Stem Auger/Rotary Sonic
Bit Size:
Auger Size: 4" inner diameter
Rig Type: Mini Sonic Rig
Sampling Method: 4" Steel Casing

Northing: 689897.632
Easting: 637912.51
Casing Elevation: NA
Borehole Depth: 35' bgs
Surface Elevation: 7.38' MVD
Descriptions By: D.M. Mack

Boring ID: SB-113
Client: Consolidated Edison Company of New York, Inc.
Location: Former East 11th Street Works
 Jacob Riis Housing Development
 Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
-10		6	15'-20'	5.0'			0.2					
							0.2				Fine to coarse SAND, some Silt, little coarse Gravel, wet.	
-20											Brown to gray SILT, some fine Sand, wet. Brown to tan tint in soil, possible sheen, not highly visible.	
-15		7	20'-25'	5.0'			ND					
-25							0.1				Brown to gray SILT and fine SAND, moist.	
							ND				Gray fine SAND, some Silt, wet.	
-20		8	25'-30'	5.0'							Brown to red SILT, some Clay, trace fine Sand, moist.	
-30							ND				Red SILT and CLAY, trace fine Sand, moist.	
-25		9	30'-35'	5.0'			ND					
-35											End of boring at 35' bgs	



Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
 MGP = manufactured gas plant; ppm = parts per million.

Soil samples taken from 5'-7' bgs, 8.5'-9.5' bgs, 9'-10' bgs, 14'-15' bgs, 22'-23' bgs and 34'-35' bgs.
 All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 7/25/06 - 7/31/06
Drilling Company: Boart Longyear
Driller's Name: Justin, Scott
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Mini Sonic Rig
Sampling Method: 4" Steel Casing

Northing: 689729.477
Easting: 637819.674
Casing Elevation: 7.53' MVD

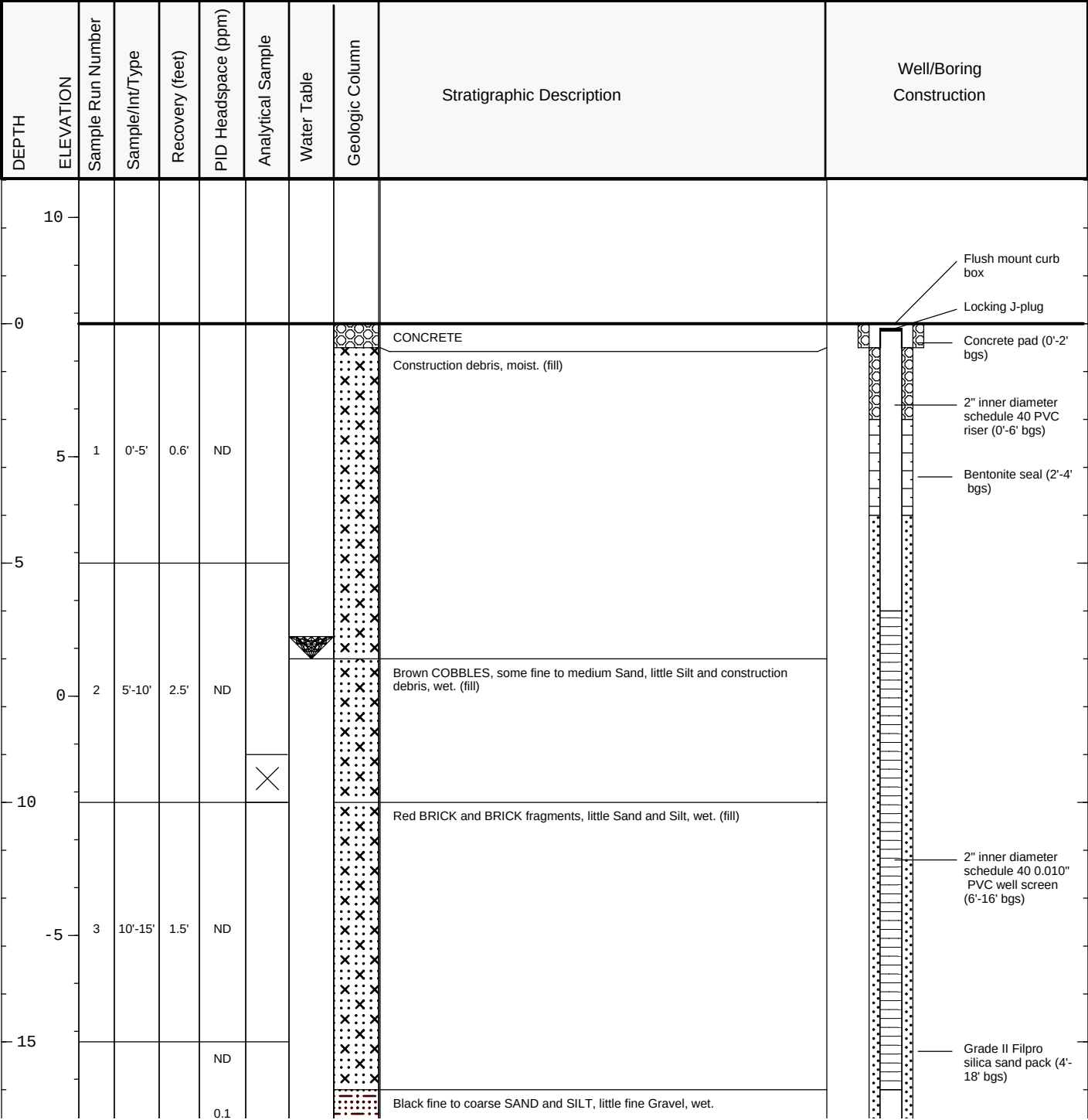
Borehole Depth: 35' bgs
Surface Elevation: 7.78' MVD

Descriptions By: D.M. Mack

Well/Boring ID: MW(SB)-115A

Client: Consolidated Edison Company of New York, Inc.

Location: Former East 11th Street Works
 Jacob Riis Housing Development
 Manhattan, New York



Remarks: NA = not available; ND = non-detect; bgs = below ground surface; ppm = parts per million; PVC = polyvinyl chloride.

 Soil samples taken from 9'-10' bgs, 19'-20' bgs, 23'-24' bgs and 33'-34' bgs. All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 7/25/06 - 7/31/06
Drilling Company: Boart Longyear
Driller's Name: Justin, Scott
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Mini Sonic Rig
Sampling Method: 4" Steel Casing

Northing: 689729.477
Easting: 637819.674
Casing Elevation: 7.53' MVD

Borehole Depth: 35' bgs
Surface Elevation: 7.78' MVD

Descriptions By: D.M. Mack

Well/Boring ID: MW(SB)-115A

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
Jacob Riis Housing Development
Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Well/Boring Construction
-10		4	15'-20'	3.5'	8.8				Red to brown fine to medium SAND, some Silt, little coarse Gravel, moist.	2" inner diameter schedule 40 PVC sump (16'-18' bgs) Grade II Filpro silica sand pack (4'-18' bgs) Portland 15% Bentonite grout (18'-35' bgs)
-20					ND	×			Gray to brown fine SAND, little Silt, wet.	
-15		5	20'-25'	5.0'	ND	×			Gray to brown fine SAND and SILT, some medium Sand, trace Clay, wet.	
-25					ND - 0.6				Gray to brown fine SAND, some medium Sand, little Silt, wet.	
-30		6	25'-30'	5.0'	ND				Gray to brown SILT and CLAY, trace fine Sand, wet.	
-25		7	30'-35'	4.0'	ND	×			End of boring at 35' bgs	
-35										



Remarks: NA = not available; ND = non-detect; bgs = below ground surface; ppm = parts per million; PVC = polyvinyl chloride.

Soil samples taken from 9'-10' bgs, 19'-20' bgs, 23'-24' bgs and 33'-34' bgs. All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 5/17/06 - 6/23/06
Drilling Company: Boart Longyear
Driller's Name: Joe Tidwell/Greg Hampton
Drilling Method: Rotary Sonic
Bit Size:
Auger Size: 4" inner diameter
Rig Type: Hollow-Stem Auger/Spider Mini Sonic
Sampling Method: 4" Steel Casing

Northing: 689694.083
Easting: 637971.216
Casing Elevation: NA
Borehole Depth: 39' bgs
Surface Elevation: 7.06' MVD
Descriptions By: Ronald Kuhn

Boring ID: SB-116
Client: Consolidated Edison Company of New York, Inc.
Location: Former East 11th Street Works
 Jacob Riis Housing Development
 Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
10												
0											CONCRETE.	
5		1	0'-5'	NA	NA	NA	ND				CONCRETE, Brick, trace to little fine to medium Sand, very dense, compact. (fill)	
5											Gray brown fine to medium SAND, trace coarse Sand, trace Silt, slight sheen, wet. (fill)	
		2	5'-7'	1.3'		36	0.1	X			Orange brown fine to coarse SAND and fine to medium GRAVEL, trace Silt, trace sheen, loose, wet. (fill)	
0											Gray brown fine to medium SAND, little coarse SAND, trace fine to medium Gravel, trace red Brick, trace sheen, loose, wet. (fill)	
		3	7'-9'	0.7'	50/0.2'	NA	1.7				Gray brown fine to coarse SAND, little fine to medium Gravel, trace Silt, trace pulverized Brick, slight sheen, wet. (fill)	
					NA						Hollow-Stem auger used until refusal at 9' bgs. Sonic drilling was used to continue the drilling to 39' bgs.	
10											WOOD (oriented vertically), MGP odor, slight sheen, wet. (fill)	
		4	9'-14'	5.0'			8.0				Black staining at 10'-14' bgs.	Portland 15% Bentonite grout (0'-39' bgs)
-5												
15											Black FILL material consisting of Brick, Wood, Coal, some fine to coarse Gravel, little fine to medium Sand, trace coarse Sand, MGP odor, trace tar-like material throughout, loose, wet. (fill)	
							95.9	X				



Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
 MGP = manufactured gas plant; ppm = parts per million.

Soil samples taken from 5'-7' bgs, 14'-16' bgs, 20'-20.5' bgs and 38'-39' bgs.
 All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 5/17/06 - 6/23/06
Drilling Company: Boart Longyear
Driller's Name: Joe Tidwell/Greg Hampton
Drilling Method: Rotary Sonic
Bit Size:
Auger Size: 4" inner diameter
Rig Type: Hollow-Stem Auger/Spider Mini Sonic
Sampling Method: 4" Steel Casing

Northing: 689694.083
Easting: 637971.216
Casing Elevation: NA
Borehole Depth: 39' bgs
Surface Elevation: 7.06' MVD
Descriptions By: Ronald Kuhn

Boring ID: SB-116
Client: Consolidated Edison Company of New York, Inc.
Location: Former East 11th Street Works
 Jacob Riis Housing Development
 Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
-10		5	14'-19'	5.0'			54.4			X X X X X X X X X X X X		
							16.3				Dark gray/black fine SAND, little Silt, trace fine to coarse Gravel, odor, trace MGP tar-like material, loose, wet.	
20								X			Dark gray brown SILTY CLAY, trace Shells, medium/high plasticity, moist.	
							8.2					
-15							3.0					
		6	19'-29'	10.0'							Dark gray brown silty fine SAND, trace Shells, no odors or sheen, moderately loose, wet.	
25							2.5				Trace fine to medium Gravel 25'-27' bgs.	
							1.7					
-20							0.5				Dark gray brown fine SAND, trace Silt, moderately loose, wet.	
							0.3					
30							0.3				Red brown SILT, moderately dense, wet.	
							0.3					
-25							0.3					
		7	29'-39'	10.0'			0.3					
35												

Portland 15% Bentonite grout (0'-39' bgs)



Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
 MGP = manufactured gas plant; ppm = parts per million.

Soil samples taken from 5'-7' bgs, 14'-16' bgs, 20'-20.5' bgs and 38'-39' bgs.
 All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 5/17/06 - 6/23/06
Drilling Company: Boart Longyear
Driller's Name: Joe Tidwell/Greg Hampton
Drilling Method: Rotary Sonic
Bit Size:
Auger Size: 4" inner diameter
Rig Type: Hollow-Stem Auger/Spider Mini Sonic
Sampling Method: 4" Steel Casing

Northing: 689694.083
Easting: 637971.216
Casing Elevation: NA

Borehole Depth: 39' bgs
Surface Elevation: 7.06' MVD

Descriptions By: Ronald Kuhn

Boring ID: SB-116

Client: Consolidated Edison Company of New York, Inc.

Location: Former East 11th Street Works
 Jacob Riis Housing Development
 Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
- 30							0.2					
							0.1	X				Portland 15% Bentonite grout (0'-39' bgs)
- 40											End of boring at 39' bgs	
- 35												
- 45												
- 40												
- 50												
- 45												
- 55												

Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
 MGP = manufactured gas plant; ppm = parts per million.

 Soil samples taken from 5'-7' bgs, 14'-16' bgs, 20'-20.5' bgs and 38'-39' bgs.
 All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 5/19/06 - 7/7/06
Drilling Company: Universal
Driller's Name: Brian and Sal
Drilling Method: Hollow-Stem Auger
Bit Size:
Auger Size: 3-1/4" inner diameter
Rig Type: CME 55 Truck, 140 lb Hammer, 30" Fall
Sampling Method: 2" Splitspoons, 3" Splitspoons

Northing: 689610.766
Easting: 638081.268
Casing Elevation: NA
Borehole Depth: 36' bgs
Surface Elevation: 6.97' MVD
Descriptions By: Ronald Kuhn

Boring ID: SB-117
Client: Consolidated Edison Company of New York, Inc.
Location: Former East 11th Street Works
Jacob Riis Housing Development
Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
0												
5			0'-6'	NA	NA	NA	NA				BRICK PAVERS Light brown fine SAND. (fill) Dark brown fine to medium SAND, trace Coal, trace Asphalt, trace red Brick, trace Concrete, trace Wood. (fill)	
5												
0		1	6'-8'	1.4'	23	27	6.8	×			Gray brown silty fine to medium SAND, little coarse Sand, trace fine to medium Gravel, wet. (fill) Red BRICK. (fill) Dark gray/black stained silty fine to medium SAND, trace coarse Sand, trace Coal, Brick, trace tar-like material, MGP odor, wet.	
10		2	8'-10'	0.8'	6	4	25.5				Dark gray/black silty fine to medium SAND, little coarse Sand, trace fine to medium Gravel, trace Coal and Brick, trace tar-like material, MGP odor, wet. (fill)	
10					2							
10		3	10'-12'	0.1'	2	3	10.1				Dark gray fine to medium SAND, trace Silt, tar-like material in spoon, MGP odor, wet. (fill)	
-5					2							
-5		4	12'-14'	1.0'	3	5	25.7				Dark gray silty fine SAND, MGP odor, dark red-brown tar-like material throughout, wet. (fill)	
-5					2							
-5					1							
15		5	14'-16'	0.1'	2	1	24.7					
15					1/12"							
15					2							
-10					3						Dark gray/black fine SAND, tar-like material throughout, MGP odor, wet. (fill)	
-10		6	16'-18'	1.0'	2	8	66.1	×			Dark gray/black WOOD, little fine Sand, saturated with tar-like material, MGP odor, wet. (fill)	
-10					6							
-10					4							



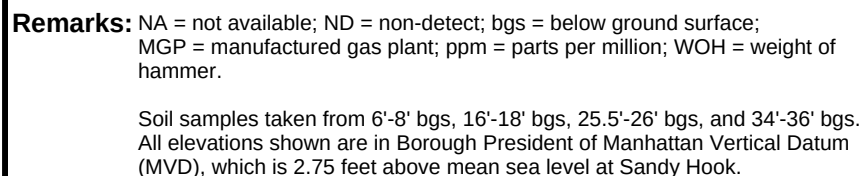
Remarks: NA = not available; ND = non-detect; bgs = below ground surface; MGP = manufactured gas plant; ppm = parts per million; WOH = weight of hammer.

Soil samples taken from 6'-8' bgs, 16'-18' bgs, 25.5'-26' bgs, and 34'-36' bgs. All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Northings: 689610.766
Easting: 638081.268
Casing Elevation: NA
Borehole Depth: 36' bgs
Surface Elevation: 6.97' MVD
Descriptions By: Ronald Kuhn

Northings: 689610.766
Easting: 638081.268
Casing Elevation: NA
Borehole Depth: 36' bgs
Surface Elevation: 6.97' MVD
Descriptions By: Ronald Kuhn

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction	
20		7	18'-20'	2.0'	1/18" NA NA	NA	13.1				Dark gray/black stained organic clayey SILT, no tar-like material in sample (outside only), MGP odor, moist.		
	-15	8	20'-22'	2.0'	WOH/12" NA 2 1	2	5.4				Dark gray organic silty CLAY, trace shells, soft, moderate plasticity, slight odor, moist.		
25		9	22'-24'	2.0'	WOH/24" NA NA NA	NA	16.1						
	-20	10	24'-26'	2.0'	4 5 4 7	9	9.1				Dark gray fine to medium SAND, trace coarse Sand, trace Silt, loose, wet.		
30		11	26'-28'	1.0'	2 3 3 3	6	3.8				Similar soils as above (slight odor).		
	-25	12	28'-30'	NR	1 1 2 3	3	NA				No recovery.		
35		13	30'-32'	0.8'	5 2 3 5	5	1.2				Dark gray brown fine SAND, trace medium Sand, trace Silt, loose, wet.		
	-30	14	32'-34'	1.7'	4 3 12 20	15	3.2				Same as above, trace coarse Sand from 33.4' to 33.7' bgs, moderately dense.		
-30		15	34'-36'	1.1'	7 10 12 14	22	0.8				Red-brown fine to medium SAND, trace coarse Sand, trace Silt, dense, wet.		
											No recovery, Running sand refusal at 36' bgs.		
-30											End of boring at 36' bgs		



Date Start/Finish: 5/10/06 - 6/27/06
Drilling Company: Universal Testing
Driller's Name: Brian Ramos and Sal
Drilling Method: Hollow-Stem Auger (HSA)
Bit Size:
Auger Size: 3-1/4" inner diameter
Rig Type: CME 55 Truck-Mounted Rig
Sampling Method: 2" Splitspoons, 3" Splitspoons

Northing: 689566.627
Easting: 638213.691
Casing Elevation: NA
Borehole Depth: 45' bgs
Surface Elevation: 5.87' MVD
Descriptions By: Ronald Kuhn

Boring ID: SB-118
Client: Consolidated Edison Company of New York, Inc.
Location: Former East 11th Street Works
 Jacob Riis Housing Development
 Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
0												
5		1	0'-5'	NA	NA	NA	ND				CONCRETE.	
5											Dark brown fine to medium SAND and red Brick, very dense and compact. (fill)	
0		2	5'-7'	0.5'		7	ND				Dark brown silty fine to medium SAND, trace red Brick, moist. (fill)	
											Dark brown silty fine to medium SAND, trace coarse Sand, little Brick, trace fine to medium Gravel, moist/wet. (fill)	
		3	7'-9'	1.7'		17	ND				Pulverized red BRICK, little fine to medium Sand, trace Silt, MGP odor, slight sheen, wet. (fill)	
-10		4	9'-11'	0.6'		16	2.1				Dark brown silty fine to medium SAND, little pulverized red Brick, trace coarse Sand, slight sheen, slight MGP odor, wet. (fill)	
-5		5	11'-13'	1.5'		10	2.8				Dark gray brown silty fine SAND, trace medium to coarse Sand, trace red Brick, red-brown tar-like material throughout sample, MGP odor, wet. (fill)	
		6	13'-15'	0.5'		9	2.0					
-15												
-10		7	15'-17'	1.5'		NA	49.6					



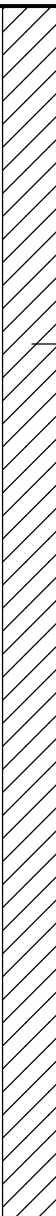
Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
 MGP = manufactured gas plant; ppm = parts per million;
 WOR = weight of rod.

Soil samples taken from 9'-11' bgs, 19'-21' bgs, 23'-23.5' bgs and 43'-45' bgs.
 All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 5/10/06 - 6/27/06
Drilling Company: Universal Testing
Driller's Name: Brian Ramos and Sal
Drilling Method: Hollow-Stem Auger (HSA)
Bit Size:
Auger Size: 3-1/4" inner diameter
Rig Type: CME 55 Truck-Mounted Rig
Sampling Method: 2" Splitspoons, 3" Splitspoons

Northing: 689566.627
Easting: 638213.691
Casing Elevation: NA
Borehole Depth: 45' bgs
Surface Elevation: 5.87' MVD
Descriptions By: Ronald Kuhn

Boring ID: SB-118
Client: Consolidated Edison Company of New York, Inc.
Location: Former East 11th Street Works
 Jacob Riis Housing Development
 Manhattan, New York

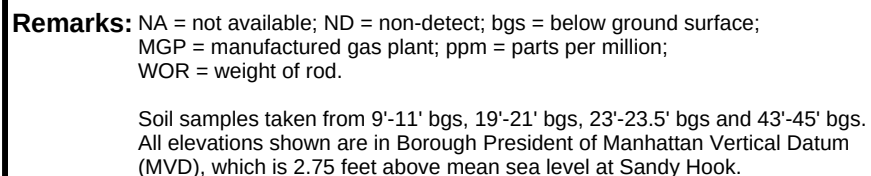
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
20 -15					3					X X X		 Portland 15% Bentonite grout (0'-45' bgs)
		8	17'-19'	0.6'	1	3	17.8			X X X	Gray brown silty fine SAND, trace fine to medium Gravel, trace red-brown tar-like material, MGP odor, wet. (fill)	
					2					X X X		
					1					X X X		
					1					X X X		
		9	19'-21'	1.4'	2	4	71.9	X		X X X	Gray brown silty fine SAND, trace medium to coarse Sand, trace fine to medium Gravel, red-brown tar-like material throughout, MGP odor, wet. (fill)	
					2					X X X		
					2					X X X		
					2					X X X		
					2					X X X		
25 -20		10	21'-23'	2.0'	NA	NA	1.3			X X X	Dark gray/black organic clayey SILT, moderate plasticity, visually clean, MGP odor, tar-like material/sheen on outside of sample, moist. (fill)	
					4					X X X		
					WOR					X X X		
					2			X		X X X	Same as above, trace shells/wood. (fill)	
		11	23'-25'	1.5'	1	3	0.5			X X X		
					1					X X X		
					1					X X X		
		12	25'-27'	1.6'	1	2	3.3			X X X		
					7					X X X	Dark gray fine SAND, trace Silt, trace shells, MGP odor, wet.	
					1					X X X	Dark gray fine SAND, trace Silt, loose, trace sheen, slight MGP odor, wet.	
30 -25		13	27'-29'	0.5'	3	6	1.7			X X X		
					3					X X X		
					3					X X X		
					3					X X X		
		14	29'-31'	1.0'	3	15	1.9			X X X	Dark gray brown fine SAND, trace Silt, trace medium to coarse Sand seams at 29.4' to 29.5' bgs and 29.8' to 29.9' bgs, MGP odor, sheen on side of sample, wet.	
					5					X X X		
					10					X X X		
		15	31'-33'	1.4'	5	19	1.5			X X X	Dark gray brown fine to medium SAND, trace coarse Sand, trace Silt, loose, slight MGP odor, wet.	
					9					X X X		
					10					X X X		
35		16	33'-35'	1.0'	17	36	2.3			X X X	Same as above, trace fine Gravel.	
					17					X X X		
					17					X X X		
					19					X X X		
					23					X X X	Dark gray brown fine to medium SAND, trace coarse Sand, trace Silt, moderately dense, MGP odor, wet.	

Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
 MGP = manufactured gas plant; ppm = parts per million;
 WOR = weight of rod.

 Soil samples taken from 9'-11' bgs, 19'-21' bgs, 23'-23.5' bgs and 43'-45' bgs.
 All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Northings: 689566.627
Easting: 638213.691
Casing Elevation: NA
Borehole Depth: 45' bgs
Surface Elevation: 5.87' MVD
Descriptions By: Ronald Kuhn

Borehole Depth: 45' bgs
Surface Elevation: 5.87' MVD
Descriptions By: Ronald Kuhn

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Date Start/Finish: 5/17/06 - 6/14/06
Drilling Company: Universal Testing
Driller's Name: Brian Ramos, and Billy Swinick
Drilling Method: Hollow-Stem Auger (HSA)
Bit Size:
Auger Size: 3-1/4" inner diameter
Rig Type: CME 55 Truck-Mounted Rig
Sampling Method: 2" Splitspoons, 3" Splitspoons

Northing: 689627.453
Easting: 637970.957
Casing Elevation: NA
Borehole Depth: 39' bgs
Surface Elevation: 7.24' MVD
Descriptions By: Ronald Kuhn

Boring ID: SB-119
Client: Consolidated Edison Company of New York, Inc.
Location: Former East 11th Street Works
 Jacob Riis Housing Development
 Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
10												
0											CONCRETE.	
5			0'-5'	NA	NA	NA	ND				Red BRICK, little fine to medium Sand, trace Metal, trace Cobble, very dense, compact. (fill)	
5					19						Dark brown fine to medium SAND, trace coarse Sand, trace fine to medium Gravel, trace Brick/Concrete/Fabric, moist to wet. (fill)	
		1	5'-7"	0.7'	1	6	6.2				Dark brown fine to medium SAND, little coarse Sand, little Silt, sheen, wet, odor. (fill)	
0					9						Dark brown fine SAND and SILT, trace medium to coarse Sand, trace organics (vegetation), tar-like material throughout interval (dark red brown, strong odor), wet.	
		2	7'-9"	2.0'	4	7	101	X			Dark gray fabric, tar-like material throughout. (fill)	
					9						Dark stained gray brown fine SAND, little Silt, trace medium to coarse Sand, trace Wood/Brick, trace red brown tar-like material throughout, odor, wet. (fill)	
10		3	9'-11'	1.1'	36	50	157				Dark gray/black stained fine SAND, trace Silt, strong odor, sheen, wet.	
					4						Similar soils as above, trace wood, wet.	
		4	11'-13'	0.5'	2	6	241	X			Dark gray black stained fine to medium SAND, trace coarse Sand, little Silt, trace Wood/Brick, strong odor, sheen, wet. (fill/native)	
					3							
		5	13'-15'	0.8'	3	5	117					
					2							
15					WOH/12"							
		6	15'-17'	0.6'	1	1	65.2					



Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
 MGP = manufactured gas plant; WOH = weight of hammer;
 ppm = parts per million.

Soil samples taken from 7'-9' bgs, 11'-13' bgs, 17'-19' bgs and 37'-39' bgs.
 All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 5/17/06 - 6/14/06
Drilling Company: Universal Testing
Driller's Name: Brian Ramos, and Billy Swinick
Drilling Method: Hollow-Stem Auger (HSA)
Bit Size:
Auger Size: 3-1/4" inner diameter
Rig Type: CME 55 Truck-Mounted Rig
Sampling Method: 2" Splitspoons, 3" Splitspoons

Northing: 689627.453
Easting: 637970.957
Casing Elevation: NA
Borehole Depth: 39' bgs
Surface Elevation: 7.24' MVD
Descriptions By: Ronald Kuhn

Boring ID: SB-119
Client: Consolidated Edison Company of New York, Inc.
Location: Former East 11th Street Works
 Jacob Riis Housing Development
 Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
-10					2					X X X	Light gray brown fine SAND, little Silt, saturated, slight staining, odor.	
		7	17'-19'	0.4'	2	4	12.2	X				
					2							
					3							
					1						Dark gray brown fine to medium SAND, little Silt, wet, odor.	
20		8	19'-21'	2.0'	1	2	14.0				Dark gray stained clayey SILT, trace Organics (vegetation), trace fine Sand, moist.	
					1						Gray brown fine SAND, little Silt, wet.	
					3						Dark gray/black stained clayey SILT, trace fine Sand, odor, sheen, moist/wet. (sheen from water column)	
-15		9	21'-23'	2.0'	3	6	22.1					
					4							
					2						Dark gray/black clayey SILT, trace Organics (vegetation), slight odor, moist. (sheen on outside of sample from water column)	
		10	23'-25'	2.0'	5	10	18.9					
					2						Gray brown fine SAND, trace Silt, wet.	
25					2						Similar soils as above; appears visually clean, black stained on outside edge from smearing, slight odor.	
		11	25'-27'	0.8'	3	5	9.7					
					2							
-20					4						Gray brown fine SAND, trace Silt, wet, slight odor.	
					3							
		12	27'-29'	0.6'	3	6	5.2					
					7							
					3						Gray brown fine SAND, trace Silt, wet, slight odor.	
30		13	29'-31'	0.8'	6	15	7.7					
					9							
					7							
					WOH/18"						Gray brown fine to medium SAND, trace Silt, loose, wet, slight odor.	
-25		14	31'-33'	1.2'	NA	NA	5.4					
					4							
					6							
					6							
		15	33'-35'	2.0'	8	14	9.3				Red brown SILT, dense/stiff, moist/wet.	
					13							
35					6							
					7							



Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
 MGP = manufactured gas plant; WOH = weight of hammer;
 ppm = parts per million.

Soil samples taken from 7'-9' bgs, 11'-13' bgs, 17'-19' bgs and 37'-39' bgs.
 All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 5/17/06 - 6/14/06
Drilling Company: Universal Testing
Driller's Name: Brian Ramos, and Billy Swinick
Drilling Method: Hollow-Stem Auger (HSA)
Bit Size:
Auger Size: 3-1/4" inner diameter
Rig Type: CME 55 Truck-Mounted Rig
Sampling Method: 2" Splitspoons, 3" Splitspoons

Northing: 689627.453
Easting: 637970.957
Casing Elevation: NA
Borehole Depth: 39' bgs
Surface Elevation: 7.24' MVD
Descriptions By: Ronald Kuhn

Boring ID: SB-119
Client: Consolidated Edison Company of New York, Inc.
Location: Former East 11th Street Works
Jacob Riis Housing Development
Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
-30	16	35'-37'	0.8'	9	16	ND						
				8								
				7								
	17	37'-39'	0.7'	16	36	ND						
				20								
				23								
-40											End of boring at 39' bgs	
-35												
-45												
-50												
-45												
-55												



Infrastructure, environment, facilities

Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
MGP = manufactured gas plant; WOH = weight of hammer;
ppm = parts per million.

Soil samples taken from 7'-9' bgs, 11'-13' bgs, 17'-19' bgs and 37'-39' bgs.
All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 6/5/06 - 6/20/06
Drilling Company: Universal Testing
Driller's Name: Brian Ramos and Sal
Drilling Method: Hollow-Stem Auger (HSA)
Bit Size:
Auger Size: 3-1/4" inner diameter
Rig Type: CME 55 Truck-Mounted Rig
Sampling Method: 2" Splitspoons, 3" Splitspoons

Northing: 689654.468
Easting: 637773.78
Casing Elevation: NA
Borehole Depth: 35' bgs
Surface Elevation: 7.36' MVD
Descriptions By: Ronald Kuhn

Boring ID: SB-120
Client: Consolidated Edison Company of New York, Inc.
Location: Former East 11th Street Works
 Jacob Riis Housing Development
 Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
10												
0												
5		1	0'-5'	NA	NA	NA	ND				Dark brown silty fine to medium SAND, trace coarse Sand, trace fine to coarse Gravel, trace Cobbles, trace red Brick, moist.	
5		2	5'-7'	1.4'	3	ND					Olive brown silty fine to medium SAND, trace coarse Sand, trace fine to medium Gravel, trace Ceramic/Brick, wet, very loose. (fill)	
0		3	7'-9'	0.2'	2	ND					Red BRICK, trace fine Sand, trace Silt, wet. (fill)	
10		4	9'-11'	0.8'	4	0.1					Dark gray brown fine SAND and SILT, trace medium to coarse Sand, trace fine to medium Gravel, moist/wet. (fill)	
-5		5	11'-13'	1.2'	15	0.3					Gray brown fine SAND, little Silt, little pulverized Brick, trace fine Gravel, loose, wet, slight MGP odor. (fill)	
		6	13'-15'	0.2'	15	ND					Pulverized red BRICK, trace fine Sand, trace Silt, wet, loose. (fill)	
15		7	15'-17'	0.7'	13	0.1					Gray brown silty fine SAND, trace medium to coarse Sand, trace fine to medium Gravel, little red Brick, wet, loose. (fill)	
-10											Gray brown fine SAND, trace Silt, moderately dense, wet.	



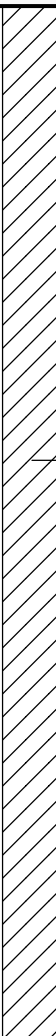
Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
 MGP = manufactured gas plant; ppm = parts per million;
 WOR = weight of rod.

Soil samples taken from 5'-7' bgs, 11'-13' bgs, 17'-17.5' bgs and 33'-35' bgs.
 All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 6/5/06 - 6/20/06
Drilling Company: Universal Testing
Driller's Name: Brian Ramos and Sal
Drilling Method: Hollow-Stem Auger (HSA)
Bit Size:
Auger Size: 3-1/4" inner diameter
Rig Type: CME 55 Truck-Mounted Rig
Sampling Method: 2" Splitspoons, 3" Splitspoons

Northing: 689654.468
Easting: 637773.78
Casing Elevation: NA
Borehole Depth: 35' bgs
Surface Elevation: 7.36' MVD
Descriptions By: Ronald Kuhn

Boring ID: SB-120
Client: Consolidated Edison Company of New York, Inc.
Location: Former East 11th Street Works
 Jacob Riis Housing Development
 Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction	
20		8	17'-19'	1.3'	8 11	15	ND						
		9	19'-21'	1.1'	4 3 5 6	8	ND				Same as above, moderately loose.		
-15		10	21'-23'	1.4'	2 3 4 4	7	ND						
		11	23'-25'	1.4'	WOR 3 4 4	7	ND						
25		12	25'-27'	1.6'	1 3 5 7	8	ND						
		13	27'-29'	1.6'	9 10 17 13	27	ND			Gray brown very fine SAND and SILT, dense, wet.			
-20					7 10 11 12	21	ND			Gray brown fine SAND, trace Silt, wet.			
		14	29'-31'	2.0'	3 7 9 15	16	ND			Red brown SILT, stiff/dense, wet.			
-25		15	31'-33'	1.2'	10 13 20 15	33	ND	✕		Red brown SILT, trace gray Clay laminations, stiff/dense, wet.			
		16	33'-35'	1.4'									
35											End of boring at 35' bgs		
-30													



Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
 MGP = manufactured gas plant; ppm = parts per million;
 WOR = weight of rod.

Soil samples taken from 5'-7' bgs, 11'-13' bgs, 17'-17.5' bgs and 33'-35' bgs.
 All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 7/25/06 - 7/26/06
Drilling Company: Boart Longyear
Driller's Name: Justin, Scott
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Mini Sonic Rig
Sampling Method: 4" Steel Casing

Northing: 689453.013
Easting: 637948.994
Casing Elevation: 6.76' MVD

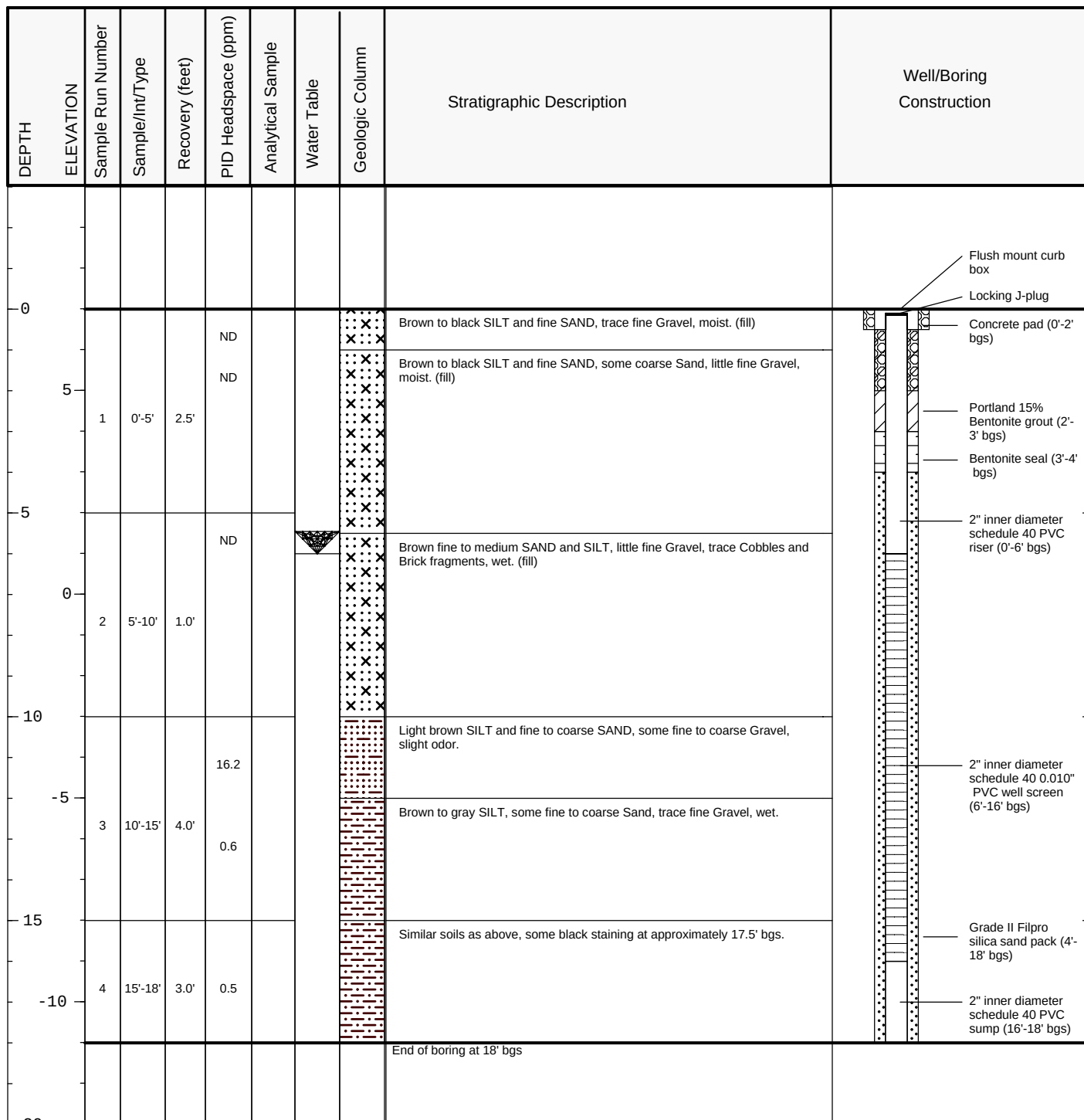
Borehole Depth: 18' bgs
Surface Elevation: 6.99' MVD

Descriptions By: D.M. Mack

Well/Boring ID: MW(SB)-121A

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
Jacob Riis Housing Development
Manhattan, New York



Remarks: NA = not available; ND = non-detect; bgs = below ground surface; ppm = parts per million; PVC = polyvinyl chloride.

Samples collected from SB-121B at 9'-10' bgs, 11'-12' bgs, 29'-30' bgs and 39'-40' bgs.
All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 7/25/06 - 7/26/06
Drilling Company: Boart Longyear
Driller's Name: Justin, Scott
Drilling Method: Rotary Sonic

Casing Size: 4" inner diamter
Rig Type: Mini Sonic Rig
Sampling Method: 4" Steel Casing

Northing: 689453.928
Easting: 637953.765
Casing Elevation: 6.65' MVD

Borehole Depth: 40' bgs
Surface Elevation: 7.03' MVD

Descriptions By: D.M. Mack

Well/Boring ID: MW(SB)-121B

Client: Consolidated Edison Company of New York, Inc.

Location: Former East 11th Street Works
 Jacob Riis Housing Development
 Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Well/Boring Construction
10										
0										Flush mount curb box Locking J-plug
5		1	0'-5'	2.5'	ND				Brown to black SILT and fine SAND, trace fine Gravel, moist. (fill)	 Concrete pad (0'-2' bgs)
5					ND				Brown to black SILT and fine SAND, some coarse Sand, little fine Gravel, moist. (fill)	
5					ND					2" inner diameter schedule 40 PVC riser (0'-25' bgs)
0		2	5'-10'	1.0'					Brown fine to medium SAND and SILT, little fine Gravel, trace Cobbles and Brick fragments, wet. (fill)	
10										
10					16.2				Light brown SILT and fine to coarse SAND, some fine to coarse Gravel, slight odor.	
5		3	10'-15'	4.0'	0.6				Brown to gray SILT, some fine to coarse Sand, trace fine Gravel, wet.	Portland 15% Bentonite grout (2'-22' bgs)
15									Similar soils as above, some black staining at approximately 17.5' bgs.	



Remarks: NA = not available; ND = non-detect; bgs = below ground surface; ppm = parts per million; PVC = polyvinyl chloride.

 Soil samples taken from 9'-10' bgs, 11'-12' bgs, 29'-30' bgs and 39'-40' bgs. All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 7/25/06 - 7/26/06
Drilling Company: Boart Longyear
Driller's Name: Justin, Scott
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Mini Sonic Rig
Sampling Method: 4" Steel Casing

Northing: 689453.928
Easting: 637953.765
Casing Elevation: 6.65' MVD

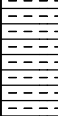
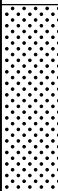
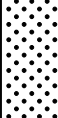
Borehole Depth: 40' bgs
Surface Elevation: 7.03' MVD

Descriptions By: D.M. Mack

Well/Boring ID: MW(SB)-121B

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
Jacob Riis Housing Development
Manhattan, New York

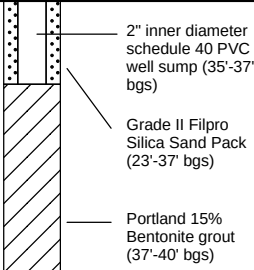
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Well/Boring Construction
-10		4	15'-20'	4.0'	0.5					
					0.8				Gray ASH, some fine to medium Sand, little Silt, wet.	2" inner diameter schedule 40 PVC riser (0'-25' bgs)
-20					0.6				Black SILT and CLAY, trace Shells and Shell fragments. Wood timbers at approximately 22' bgs.	Portland 15% Bentonite grout (2'-22' bgs)
-15		5	20'-25'	3.5'	1.8					Bentonite seal (22'-23' bgs)
-25					ND				Black SILT and CLAY, little fine Sand, moist.	
-20		6	25'-30'	5.0'					Gray fine SAND, some Silt and medium Sand, trace Clay, wet. Some interbedded Silts in 27' bgs to 28' bgs range.	
-30									Brown gray fine to medium SAND, little Silt, wet.	2" inner diameter schedule 40 0.010" PVC well screen (25'-35' bgs)
-25		7	30'-35'	4.0'	ND				Similar soils as above, some SILT, wet.	Grade II Filpro Silica Sand Pack (23'-37' bgs)
					ND				Brown to gray SILT and CLAY, trace fine Sand	
-35									Brown to gray CLAY and SILT, little fine Sand, wet.	2" inner diameter schedule 40 PVC well sump (35'-37' bgs)



Remarks: NA = not available; ND = non-detect; bgs = below ground surface; ppm = parts per million; PVC = polyvinyl chloride.

Soil samples taken from 9'-10' bgs, 11'-12' bgs, 29'-30' bgs and 39'-40' bgs. All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 7/25/06 - 7/26/06 Drilling Company: Boart Longyear Driller's Name: Justin, Scott Drilling Method: Rotary Sonic Casing Size: 4" inner diameter Rig Type: Mini Sonic Rig Sampling Method: 4" Steel Casing	Northing: 689453.928 Easting: 637953.765 Casing Elevation: 6.65' MVD Borehole Depth: 40' bgs Surface Elevation: 7.03' MVD Descriptions By: D.M. Mack	Well/Boring ID: MW(SB)-121B Client: Consolidated Edison Company of New York, Inc. Location: Former East 11th Street Works Jacob Riis Housing Development Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Well/Boring Construction
-30		8	35'-40'	4.0'	ND					
-40						X			End of boring at 40' bgs	
-35										
-45										
-40										
-50										
-45										
-55										

	Remarks: NA = not available; ND = non-detect; bgs = below ground surface; ppm = parts per million; PVC = polyvinyl chloride. Soil samples taken from 9'-10' bgs, 11'-12' bgs, 29'-30' bgs and 39'-40' bgs. All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 7/13/06 - 7/13/06
Drilling Company: Boart Longyear
Driller's Name: Victor, Sal, Brian
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Mini Sonic Rig
Sampling Method: 4" Steel Casing

Northing: 689548.125
Easting: 637736.773
Casing Elevation: 6.37' MVD

Borehole Depth: 17' bgs
Surface Elevation: 6.61' MVD

Descriptions By: Jeremy Cuccuini

Well/Boring ID: MW-122A

Client: Consolidated Edison Company of New York, Inc.

Location: Former East 11th Street Works
Jacob Riis Housing Development
Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Well/Boring Construction
0										Flush mount curb box
										Locking J-plug
		1	0'-5'	1.5'	ND				Light brown fine SAND and SILT, moist. (fill)	Concrete pad (0'-1' bgs)
5									Tan fine SAND and BRICK, moist (fill).	Bentonite seal (1'-3' bgs)
										2" inner diameter schedule 40 PVC riser (0'-5' bgs)
5									Black fine SAND and COBBLES, little silt, wet. (fill)	
0		2	5'-10'	1.0'	10.2					
10									Brown fine to coarse SAND and SILT, some coarse Gravel and construction debris, wet. (fill)	Grade II Filpro Silica Sand Pack (3'-17' bgs)
									Black fine SAND and TIMBERS, wet, slight odor. (fill)	
-5		3	10'-15'	5.0'					Brown fine SAND, some Silt, wet.	2" inner diameter schedule 40 0.010" PVC well screen (5'-15' bgs)
15									Brown fine SAND, little medium Sand and Silt, wet.	2" inner diameter schedule 40 PVC well sump (15'-17' bgs)
-10		4	15'-17'	2.0'	0.1 - 0.2					
									End of boring at 17' bgs	



Remarks: NA = not available; ND = non-detect; bgs = below ground surface; ppm = parts per million; PVC = polyvinyl chloride.

Samples collected from SB-122B at 9'-10' bgs, 13'-14' bgs, 20'-20.5' bgs and 39'-40' bgs.

All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 7/27/06 - 7/27/06
Drilling Company: Boart Longyear
Driller's Name: Justin, Scott
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Mini Sonic Rig
Sampling Method: 4" Steel Casing

Northing: 689552.913
Easting: 637741.256
Casing Elevation: 6.39' MVD

Borehole Depth: 40' bgs
Surface Elevation: 6.58' MVD

Descriptions By: D.M. Mack

Well/Boring ID: MW(SB)-122B

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
Jacob Riis Housing Development
Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Well/Boring Construction
0										Flush mount curb box Locking J-plug
5		1	0'-5'	1.5'	ND				Light brown fine SAND and SILT, moist. (fill)	Concrete pad (0'-2' bgs)
					ND				Tan fine SAND and BRICK, moist (fill).	
5										2" inner diameter schedule 40 PVC riser (0'-25' bgs)
0		2	5'-10'	1.0'	10.2				Black fine SAND and COBBLES, little silt, wet. (fill)	
						×				
10					1.0				Brown fine to coarse SAND and SILT, some coarse Gravel and construction debris, wet. (fill)	
						×			Black fine SAND and TIMBERS, wet, slight odor. (fill)	
-5		3	10'-15'	5.0'	14.2				Brown fine SAND, some Silt, wet.	Portland 15% Bentonite grout (2'-23' bgs)
					0.2	×				
									Brown fine SAND, little medium Sand and Silt, wet.	
15										



Remarks: NA = not available; ND = non-detect; bgs = below ground surface; ppm = parts per million; PVC = polyvinyl chloride.

Soil samples taken from 9'-10' bgs, 13'-14' bgs, 20'-20.5' bgs and 39'-40' bgs. All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 7/27/06 - 7/27/06
Drilling Company: Boart Longyear
Driller's Name: Justin, Scott
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Mini Sonic Rig
Sampling Method: 4" Steel Casing

Northing: 689552.913
Easting: 637741.256
Casing Elevation: 6.39' MVD

Borehole Depth: 40' bgs
Surface Elevation: 6.58' MVD

Descriptions By: D.M. Mack

Well/Boring ID: MW(SB)-122B

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
Jacob Riis Housing Development
Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Well/Boring Construction
-10		4	15'-20'	5.0'	0.1 - 0.2					
20						X			Brown to gray fine SAND, little Silt, wet.	2" inner diameter schedule 40 PVC riser (0'-25' bgs) Portland 15% Bentonite grout (2'-23' bgs) Bentonite seal (21'-23' bgs)
-15		5	20'-25'	5.0'	0.1					
25					0.1				Brown SILT, some fine to medium Sand, wet.	
-20		6	25'-30'	5.0'	0.1				Brown to gray fine SAND, some Silt, wet.	
30					ND				Brown to gray fine to coarse SAND, little Silt, wet.	
-25									Similar soils as above, trace fine Gravel.	2" inner diameter schedule 40 0.010" PVC well screen (25'-35' bgs)
		7	30'-35'	5.0'	NA				Brown to Gray SILT and CLAY, trace fine Sand, wet.	Grade II Filpro Silica Sand Pack (23'-37' bgs)
35									Brown to gray SILT and CLAY, trace fine Sand, wet.	2" inner diameter schedule 40 PVC well sump (35'-37' bgs)



Remarks: NA = not available; ND = non-detect; bgs = below ground surface; ppm = parts per million; PVC = polyvinyl chloride.

Soil samples taken from 9'-10' bgs, 13'-14' bgs, 20'-20.5' bgs and 39'-40' bgs. All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 7/27/06 - 7/27/06
Drilling Company: Boart Longyear
Driller's Name: Justin, Scott
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Mini Sonic Rig
Sampling Method: 4" Steel Casing

Northing: 689552.913
Easting: 637741.256
Casing Elevation: 6.39' MVD

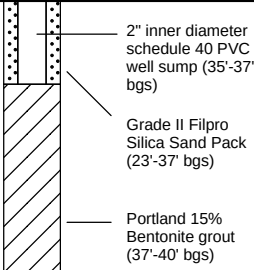
Borehole Depth: 40' bgs
Surface Elevation: 6.58' MVD

Descriptions By: D.M. Mack

Well/Boring ID: MW(SB)-122B

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
Jacob Riis Housing Development
Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Well/Boring Construction
-30		8	35'-40'	5.0'	ND					
-40						X			End of boring at 40' bgs	
-35										
-45										
-50										
-55										



Remarks: NA = not available; ND = non-detect; bgs = below ground surface; ppm = parts per million; PVC = polyvinyl chloride.

Soil samples taken from 9'-10' bgs, 13'-14' bgs, 20'-20.5' bgs and 39'-40' bgs. All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 5/9/06 - 6/9/06
Drilling Company: Universal Testing
Driller's Name: Brian Damos, Victor
Drilling Method: Hollow-Stem Auger (HSA)
Bit Size:
Auger Size: 4" inner diameter
Rig Type: CME 55 Truck-Mounted Rig
Sampling Method: 2" Splitspoons, 3" Splitspoons

Northing: 689507.612
Easting: 637858.806
Casing Elevation: NA
Borehole Depth: 39' bgs
Surface Elevation: 6.08' MVD
Descriptions By: Ronald Kuhn

Boring ID: SB-123
Client: Consolidated Edison Company of New York, Inc.
Location: Former East 11th Street Works
 Jacob Riis Housing Development
 Manhattan. New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
0											ASPHALT	
5			0'-5'	NA	NA	NA	ND				Dark brown fine to medium SAND, little Silt, trace fine to coarse Gravel, trace asphalt. (fill)	
											Orange brown fine to medium SAND, trace Silt, trace red brick, trace concrete, moist. (fill)	
5					8						Gray brown fine SAND, trace medium to coarse Sand, trace fine to medium Gravel, trace Cinders, trace Brick, trace Coal, wet. (fill)	
0		1	5'-7"	2.0'	1	4	ND				Dark brown fine to medium SAND, trace coarse Sand, trace Silt, trace Cinders/Ash/Brick, wet. (fill)	
					1						Black COAL, trace Cinders/Ash, wet. (fill)	
		2	7'-9"	2.0'	1	2	ND				Dark brown fine to medium SAND, trace coarse Sand, trace Silt, trace Brick/Cinders, very loose, wet. (fill)	
					1						Black pulverized COAL, wet. (fill)	
-10		3	9'-11'	0.4'	1/18"	1	ND				Black pulverized COAL, trace fine to coarse Sand, trace Silt, trace Brick/Porcelain, wet. (fill/native)	
-5					4						Black stained SILTY CLAY, soft, slight odor.	Portland 15% Bentonite grout (0'-39' bgs)
		4	11'-13'	0.4'	2	6	0.7				Dark gray/black stained SILTY CLAY, trace natural Organics (Roots/Veg), moderately plastic, moderately soft, moist.	
					8							
					5							
		5	13'-15'	0.9'	7	13	0.8					
-15					6							
					12							
-10		6	15'-17"	1.2'	1	2	0.2					



Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
 MGP = manufactured gas plant; ppm = parts per million;
 WOH = weight of hammer; WOR = weight of rod.

Soil samples taken from 5'-7' bgs, 13'-15' bgs, 19.5'-20' bgs and 37'-39' bgs.
 All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 5/9/06 - 6/9/06
Drilling Company: Universal Testing
Driller's Name: Brian Damos, Victor
Drilling Method: Hollow-Stem Auger (HSA)
Bit Size:
Auger Size: 4" inner diameter
Rig Type: CME 55 Truck-Mounted Rig
Sampling Method: 2" Splitspoons, 3" Splitspoons

Northing: 689507.612
Easting: 637858.806
Casing Elevation: NA
Borehole Depth: 39' bgs
Surface Elevation: 6.08' MVD
Descriptions By: Ronald Kuhn

Boring ID: SB-123
Client: Consolidated Edison Company of New York, Inc.
Location: Former East 11th Street Works
 Jacob Riis Housing Development
 Manhattan. New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
					2							
					1							
					1							
		7	17'-19'	1.0'	1/12" NA	1	ND				Dark gray SILTY CLAY (much less staining).	
20					1							
		8	19'-21'	1.0'	WOH	1	0.2	✕			Dark gray brown fine SAND, trace Silt, loose, wet.	
					1						Dark gray brown micaceous fine SAND, trace Silt, loose, wet.	
-15					3							
					WOR							
					WOR							
		9	21'-23'	1.2'	WOR	NA	ND					
					WOR							
					WOR							
		10	23'-25'	2.0'	3		ND					
25					2							
					3							
					3							
-20		11	25'-27'	2.0'	3	6	ND				Gray brown fine SAND, trace Silt, loose, wet.	
					2							
					WOR						Dark gray brown fine SAND, trace Silt, moderately loose, wet.	
		12	27'-29'	2.0'	6	9	ND					
					7							
30					2							
					5							
		13	29'-31'	2.0'	5	10	ND				Gray brown fine to medium SAND, trace coarse Sand, trace fine Gravel, moderately loose, wet.	
-25					6							
					8						Dark gray brown fine SAND, trace Silt, moderately dense, wet.	
		14	31'-33'	2.0'	14	22	ND					
					20							
					9						Red brown SILT, dense/stiff, moist.	
					8							
		15	33'-35'	0.7'	15	23	ND					
					20							
35					3						Trace gray Clay at 35'-35.7' bgs.	
					8							

Portland 15% Bentonite grout (0'-39' bgs)



Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
 MGP = manufactured gas plant; ppm = parts per million;
 WOH = weight of hammer; WOR = weight of rod.

Soil samples taken from 5'-7' bgs, 13'-15' bgs, 19.5'-20' bgs and 37'-39' bgs.
 All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 5/9/06 - 6/9/06
Drilling Company: Universal Testing
Driller's Name: Brian Damos, Victor
Drilling Method: Hollow-Stem Auger (HSA)
Bit Size:
Auger Size: 4" inner diameter
Rig Type: CME 55 Truck-Mounted Rig
Sampling Method: 2" Splitspoons, 3" Splitspoons

Northing: 689507.612
Easting: 637858.806
Casing Elevation: NA
Borehole Depth: 39' bgs
Surface Elevation: 6.08' MVD
Descriptions By: Ronald Kuhn

Boring ID: SB-123
Client: Consolidated Edison Company of New York, Inc.
Location: Former East 11th Street Works
Jacob Riis Housing Development
Manhattan. New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
- 30		16	35'-37'	0.7'	9 13	17	ND					
		17	37'-39'	0.8'	4 9 14 19	23	ND	X				Portland 15% Bentonite grout (0'-39' bgs)
											End of boring at 39' bgs	
- 40												
- 35												
- 45												
- 40												
- 50												
- 45												
- 55												



Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
MGP = manufactured gas plant; ppm = parts per million;
WOH = weight of hammer; WOR = weight of rod.

Soil samples taken from 5'-7' bgs, 13'-15' bgs, 19.5'-20' bgs and 37'-39' bgs.
All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 5/31/06 - 6/2/06
Drilling Company: Universal Testing
Driller's Name: Brian Ramos, Billy Swinick
Drilling Method: Hollow-Stem Auger (HSA)
Bit Size:
Auger Size: 3-1/4" inner diameter
Rig Type: CME 55 Truck-Mounted Rig
Sampling Method: 2" Splitspoons, 3" Splitspoons

Northing: 689400.95
Easting: 638010.354
Casing Elevation: NA
Borehole Depth: 39' bgs
Surface Elevation: 6.00' MVD
Descriptions By: Ronald Kuhn

Boring ID: SB-124
Client: Consolidated Edison Company of New York, Inc.
Location: Former East 11th Street Works
 Jacob Riis Housing Development
 Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
0												
5			0'-5'	NA	NA	NA	NA				ASPHALT	
											Dark brown fine to medium SAND and red BRICK, trace Timber and Coal. (fill)	
5												
0		1	5'-7"	0.8'	3	2					Dark brown fine SAND, trace Silt, trace Coal/Ash/Brick/Cinders. moist to wet. (fill)	
					1	3	0.8					
					WOH							
		2	7'-9"	0.6'	2						Dark gray brown fine SAND, trace Silt, trace pulverized rock, trace Wood/Brick, wet. (fill)	
					50/0.3'	NA	1.1					
					NA							
					9						WOOD. (fill)	
10		3	9'-11'	1.7'	12						Dark brown fine SAND and SILT, trace medium to coarse Sand, trace fine Gravel, trace red Brick/Ash/Cinders, wet. (fill)	
					19	31	0.5					
-5					19							
		4	11'-13'	0.4'	21						Dark brown fine SAND, little Silt, saturated Wood in tip of shoe prevented recovery. (fill)	
					30	49	3.1					
					11							
		5	13'-15'	NR	13						No Recovery.	
					13	21	NA					
					8							
					3							
15					15						WOOD. (fill)	
					27							
-10		6	15'-17'	0.9'	15	42	25.9				Dark brown fine SAND and SILT, trace Coal/Brick, moist. (fill)	



Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
 MGP = manufactured gas plant; ppm = parts per million; WOH = weight of hammer; NR = no recovery.

Soil samples taken from 7'-9' bgs, 15'-17' bgs, 27'-27.5' bgs, and 37'-39' bgs.
 All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 5/31/06 - 6/2/06
Drilling Company: Universal Testing
Driller's Name: Brian Ramos, Billy Swinick
Drilling Method: Hollow-Stem Auger (HSA)
Bit Size:
Auger Size: 3-1/4" inner diameter
Rig Type: CME 55 Truck-Mounted Rig
Sampling Method: 2" Splitspoons, 3" Splitspoons

Northing: 689400.95
Easting: 638010.354
Casing Elevation: NA
Borehole Depth: 39' bgs
Surface Elevation: 6.00' MVD
Descriptions By: Ronald Kuhn

Boring ID: SB-124
Client: Consolidated Edison Company of New York, Inc.
Location: Former East 11th Street Works
 Jacob Riis Housing Development
 Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
					23					X X X X		
					31					X X X X	Dark gray brown fine SAND, trace medium to coarse Sand, trace fine Gravel, trace Silt, trace red Brick, Coal, Wood, wet. (fill)	
		7	17'-19'	1.7'	25	56	22.9			X X X X	WOOD. (fill)	
					25					X X X X		
20					46					X X X X	Dark brown fine SAND and WOOD, trace Silt, trace Brick/Cinders, wet. (fill)	
		8	19'-21'	0.6'	33					X X X X		
					9	42	20.6			X X X X		
					6					X X X X		
-15					75/0.4'					X X X X	WOOD (refusal) (fill)	
		9	21'-23'	0.3'	NA	NA	NA			X X X X		
					NA					X X X X		
					NA					X X X X		
		10	23'-25'	NA	NA	NA	NA			X X X X	Drillers inadvertently drilled past interval	
25										X X X X		
					80					X X X X	WOOD. (fill)	
-20		11	25'-27'	0.5'	16					X X X X		
					13	29	33.4			X X X X		
					12					X X X X		
					10					X X X X	Dark gray brown fine SAND, little Silt, trace natural organics (vegetation), moderately loose, wet.	
		12	27'-29'	0.5'	8					X X X X		
					6	14	4.8			X X X X		
					5					X X X X		
30					10					X X X X	Dark gray brown fine SAND, trace Silt, trace Wood, loose, wet.	
		13	29'-31'	2.0'	8	16	4.1			X X X X		
-25					13					X X X X		
					15					X X X X		
		14	31'-33'	0.8'	17	32	ND			X X X X	Similar soils as above.	
					18					X X X X	Brown SILT, moderately dense, wet.	
					12					X X X X		
		15	33'-35'	0.3'	13					X X X X		
					17	30	ND			X X X X		
35					25					X X X X		
					17					X X X X		
					23					X X X X		



Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
 MGP = manufactured gas plant; ppm = parts per million; WOH = weight of
 hammer; NR = no recovery.

Soil samples taken from 7'-9' bgs, 15'-17' bgs, 27'-27.5' bgs, and 37'-39' bgs.
 All elevations shown are in Borough President of Manhattan Vertical Datum
 (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 5/31/06 - 6/2/06
Drilling Company: Universal Testing
Driller's Name: Brian Ramos, Billy Swinick
Drilling Method: Hollow-Stem Auger (HSA)
Bit Size:
Auger Size: 3-1/4" inner diameter
Rig Type: CME 55 Truck-Mounted Rig
Sampling Method: 2" Splitspoons, 3" Splitspoons

Northing: 689400.95
Easting: 638010.354
Casing Elevation: NA
Borehole Depth: 39' bgs
Surface Elevation: 6.00' MVD
Descriptions By: Ronald Kuhn

Boring ID: SB-124
Client: Consolidated Edison Company of New York, Inc.
Location: Former East 11th Street Works
Jacob Riis Housing Development
Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
- 30		16	35'-37'	0.8'	23 27	46	ND					
		17	37'-39'	1.0'	15 23 48 50	71	ND	✕			Red brown SILT, trace gray Silt interbedding (1-2 mm thickness), moderately dense, wet.	Portland 15% Bentonite grout (0'-39' bgs)
- 40											End of boring at 39' bgs	
- 35												
- 45												
- 40												
- 50												
- 45												
- 55												



Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
MGP = manufactured gas plant; ppm = parts per million; WOH = weight of
hammer; NR = no recovery.

Soil samples taken from 7'-9' bgs, 15'-17' bgs, 27'-27.5' bgs, and 37'-39' bgs.
All elevations shown are in Borough President of Manhattan Vertical Datum
(MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 5/19/07 - 7/12/06
Drilling Company: Boart Longyear
Driller's Name: Justin, Scott
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Spider Mini Sonic Rig
Sampling Method: 4" Steel Casing

Northing: 689352.961
Easting: 638101.706
Casing Elevation: 5.49' MVD

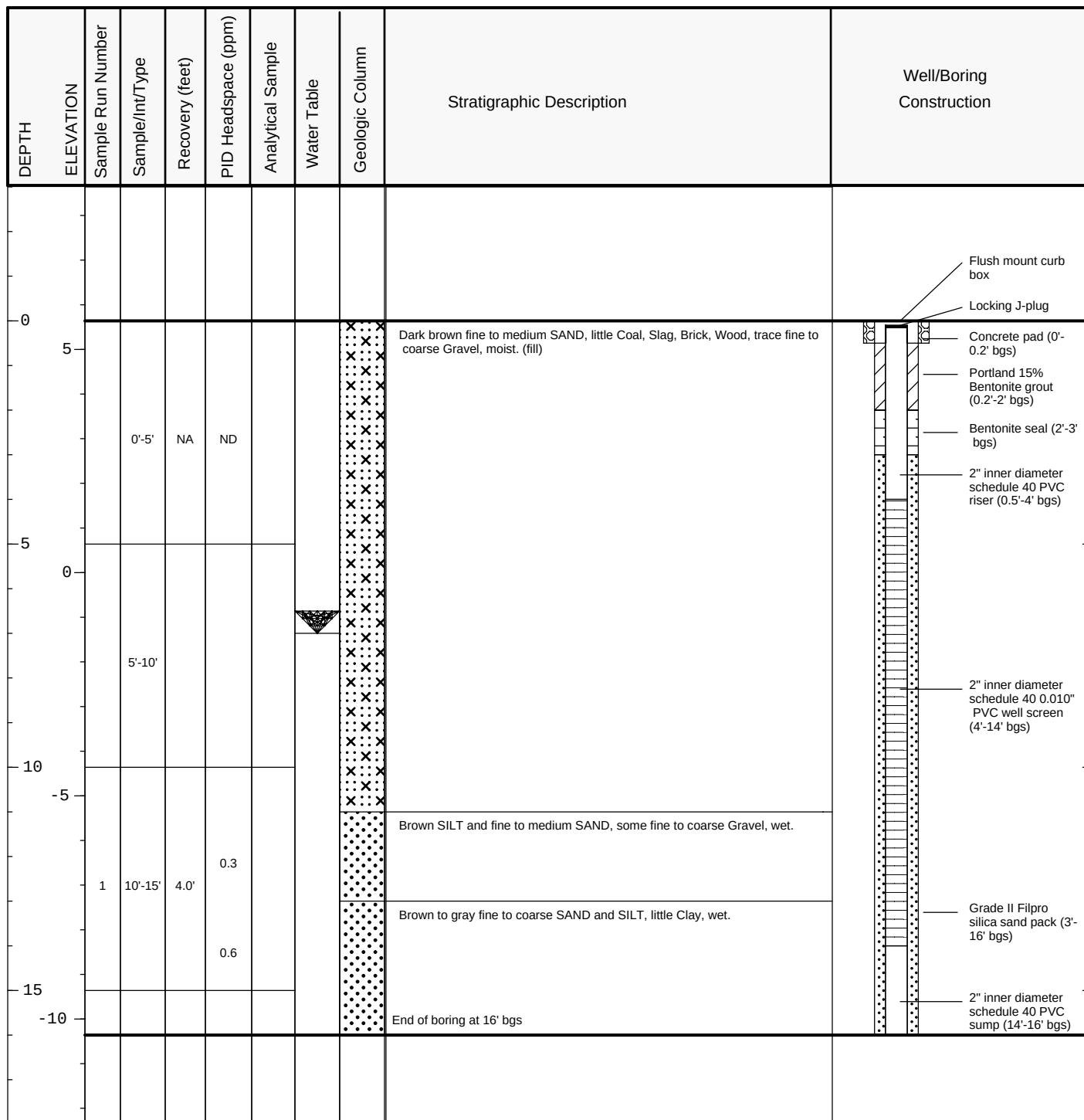
Borehole Depth: 16' bgs
Surface Elevation: 5.64' MVD

Descriptions By: D.M. Mack

Well/Boring ID: MW(SB)-125A

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
Jacob Riis Housing Development
Manhattan, New York



Date Start/Finish: 5/19/06 - 7/11/06
Drilling Company: Boart Longyear
Driller's Name: Justin, Scott
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Spider Mini Sonic Rig
Sampling Method: 4" Steel Casing

Northing: 689352.961
Easting: 638101.706
Casing Elevation: 5.48' MVD

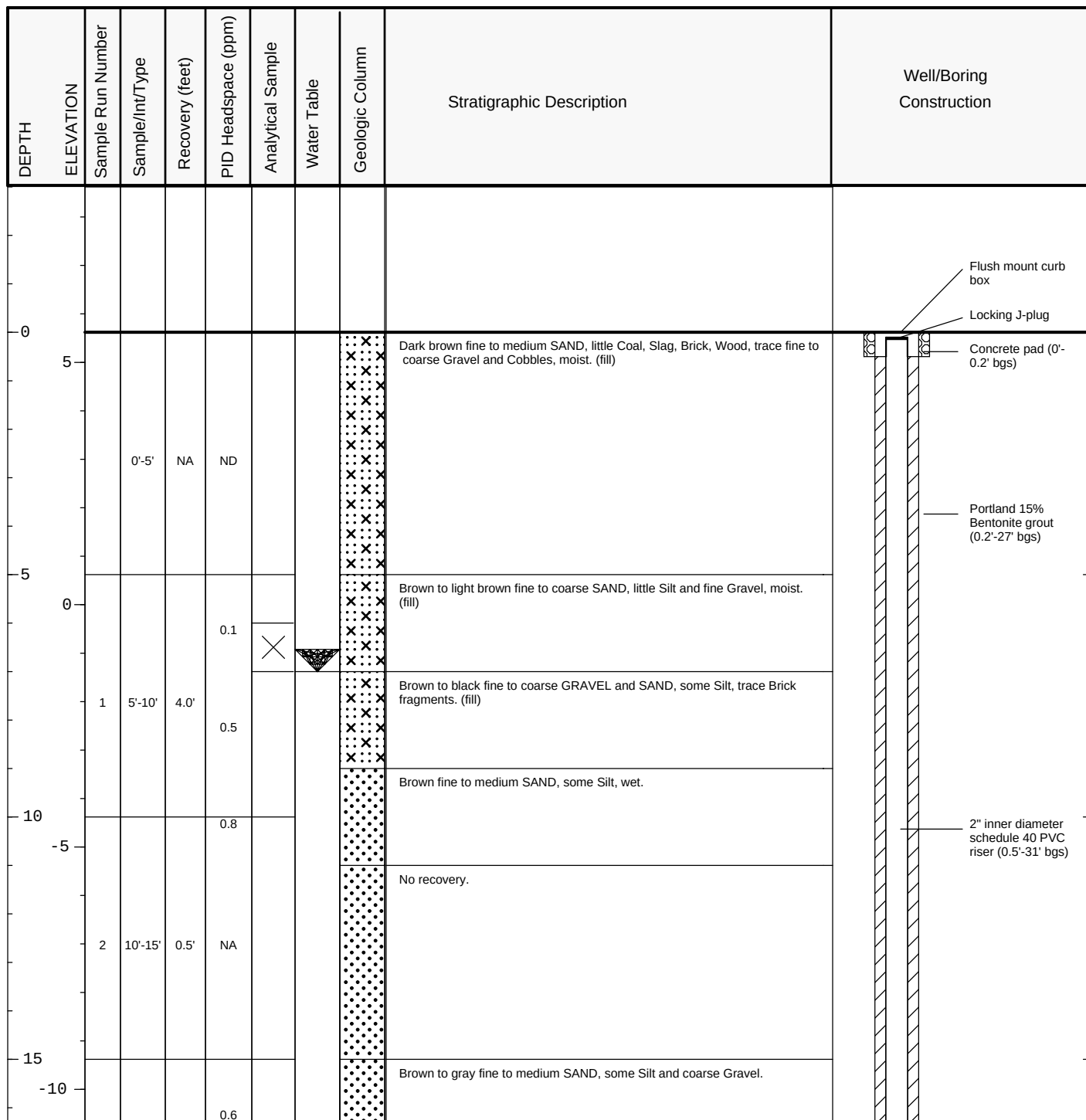
Borehole Depth: 45' bgs
Surface Elevation: 5.62' MVD

Descriptions By: D.M. Mack

Well/Boring ID: MW(SB)-125B

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
Jacob Riis Housing Development
Manhattan, New York



Remarks: NA = not available; ND = non-detect; bgs = below ground surface; ppm = parts per million; PVC = polyvinyl chloride.

Soil samples taken from 6'-7' bgs, 17'-18' bgs, 30'-30.5' bgs and 42'-43' bgs. All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 5/19/06 - 7/11/06
Drilling Company: Boart Longyear
Driller's Name: Justin, Scott
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Spider Mini Sonic Rig
Sampling Method: 4" Steel Casing

Northing: 689352.961
Easting: 638101.706
Casing Elevation: 5.48' MVD

Borehole Depth: 45' bgs
Surface Elevation: 5.62' MVD

Descriptions By: D.M. Mack

Well/Boring ID: MW(SB)-125B

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
Jacob Riis Housing Development
Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Well/Boring Construction
20	-15	3	15'-20'	5.0'	1.0	×			Gray to black fine to coarse SAND and GRAVEL, some Silt, wet.	
					0.7					
									Brown fine to coarse SAND, some fine to coarse Gravel and Silt, wet.	Portland 15% Bentonite grout (0.2'-27' bgs)
					0.2					
		4	20'-25'	4.0'	0.7				Brown fine to coarse GRAVEL and SAND, some Silt, wet.	
									Brown to light brown fine to coarse SAND and GRAVEL, some Silt, wet.	
					0.6					
25	-20								Black organic SILT, trace fill, wet.	2" inner diameter schedule 40 PVC riser (0.5'-31' bgs)
		5	25'-30'	5.0'	0.4					
					0.1					Bentonite seal (27'-29' bgs)
									Fine to medium SAND, little Silt, wet.	Grade II Filpro silica sand pack (29'-43' bgs)
30	-25					×				
		6	30'-35'	2.0'	NA					2" inner diameter schedule 40 0.010" PVC well screen (31'-41' bgs)
35	-30								Red-brown to gray fine to medium SAND, little Silt, wet.	



Remarks: NA = not available; ND = non-detect; bgs = below ground surface; ppm = parts per million; PVC = polyvinyl chloride.

Soil samples taken from 6'-7' bgs, 17'-18' bgs, 30'-30.5' bgs and 42'-43' bgs. All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Northings: 689352.961
Easting: 638101.706
Casing Elevation: 5.48' MVD
Borehole Depth: 45' bgs
Surface Elevation: 5.62' MVD
Descriptions By: D.M. Mack

Well/Boring ID: MW(SB)-125B

Client: Consolidated Edison Company
of New York, Inc.

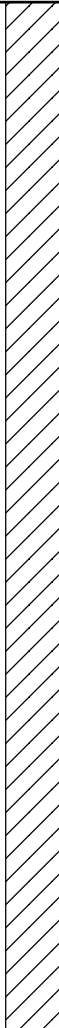
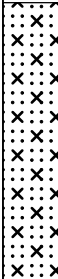
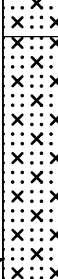
Location: Former East 11th Street Works
Jacob Riis Housing Development
Manhattan, New York

[illegible]

Remarks: NA = not available; ND = non-detect; bgs = below ground surface; ppm = parts per million; PVC = polyvinyl choride.

Soil samples taken from 6'-7' bgs, 17'-18' bgs, 30'-30.5' bgs and 42'-43' bgs. All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 2/6/07 - 2/12/07 Drilling Company: Boart Longyear Driller's Name: Ben Grim Drilling Method: Rotary Sonic Casing Size: 4" inner diameter Rig Type: Spider Sonic Sampling Method: 5' sonic run	Northing: 689713.758 Easting: 638441.464 Casing Elevation: NA Borehole Depth: 50' bgs. Surface Elevation: 6.10' MVD Descriptions By: David Mack	Boring ID: SB-126 Client: Consolidated Edison Company of New York, Inc. Location: Former East 11th Street Works East River Park Promenade Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
0										
5		1	0'-5'	5.0'	NA				TOPSOIL	 Portland 15% Bentonite grout (0'-50' bgs)
									Brown-red fine to coarse SAND, some Silt, Gravel and Cobbles. (fill)	
5									CONCRETE. (fill)	
0		2	5'-10'	2.0'	NA				MICA SCHIST. (fill)	
10									Black to gray coarse to fine SAND, little coarse to fine Gravel and Silt, sheen, wet. (fill)	
-5		3	10'-15'	3.5'	ND - 8.7				Black to gray fine to coarse SAND and GRAVEL, little Cobbles and Silt, wet. (fill)	
									CONCRETE. (fill)	
15									Black to gray coarse to fine GRAVEL, some fine to coarse Sand and Cobbles, little Silt, wet.	
-10										

	Remarks: NA = not available; ND = non-detect; bgs = below ground surface; MGP = manufactured gas plant; ppm = parts per million. Samples collected at 9'-10' bgs, 31'-32' bgs, 46'-47' bgs, and 49'-50' bgs. All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 2/6/07 - 2/12/07
Drilling Company: Boart Longyear
Driller's Name: Ben Grim
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Spider Sonic
Sampling Method: 5' sonic run

Northing: 689713.758
Easting: 638441.464
Casing Elevation: NA

Borehole Depth: 50' bgs.
Surface Elevation: 6.10' MVD

Descriptions By: David Mack

Boring ID: SB-126

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
East River Park Promenade
Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
20	-15	4	15'-20'	4.0'	1.8 - 8.6				Sheen at 17'-18' bgs.	
25	-20	5	20'-25'	3.0'	1.7 - 4.6					
30	-25	6	25'-30'	4.0'	3.7 - 5.2					
									Black SILT, some Wood, little fine Sand, heavy MGP-like odor, wet.	
									Black SILT, little Wood and fine Sand, slight MGP-like odor, wet.	
35		7	30'-35'	5.0'	9.8 - 42.7				Black fine to coarse SAND, little Silt, heavy MGP-like odor, trace tar-like material, wet.	Portland 15% Bentonite grout (0'-50' bgs)



Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
MGP = manufactured gas plant; ppm = parts per million.

Samples collected at 9'-10' bgs, 31'-32' bgs, 46'-47' bgs, and 49'-50' bgs.
All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 2/6/07 - 2/12/07
Drilling Company: Boart Longyear
Driller's Name: Ben Grim
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Spider Sonic
Sampling Method: 5' sonic run

Northing: 689713.758
Easting: 638441.464
Casing Elevation: NA

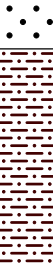
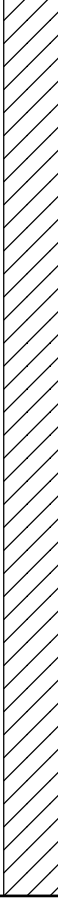
Borehole Depth: 50' bgs.
Surface Elevation: 6.10' MVD

Descriptions By: David Mack

Boring ID: SB-126

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
East River Park Promenade
Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
-30		8	35'-40'	4.0'	97.6 - 310				Black SILT, little fine Sand and Gravel, wet.	 Portland 15% Bentonite grout (0'- 50' bgs)
-40		9	40'-45'	2.5'	1000 - 1325				Brown to gray fine SAND, little Silt and medium to coarse Sand, tar-like material, wet.	
-35		10	45'-50'	2.5'	4.2 - 8.1	×			Brown fine SAND, some Silt and Clay, wet.	
-45						×			End of boring at 50' bgs	
-50										
-55										



Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
MGP = manufactured gas plant; ppm = parts per million.

Samples collected at 9'-10' bgs, 31'-32' bgs, 46'-47' bgs, and 49'-50' bgs.
All elevations shown are in Borough President of Manhattan Vertical Datum
(MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 2/6/07 - 2/13/07
Drilling Company: Boart Longyear
Driller's Name: Ben Grim
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Spider Sonic
Sampling Method: 5' sonic run

Northing: 689656.248
Easting: 638425.107
Casing Elevation: 6.36' MVD

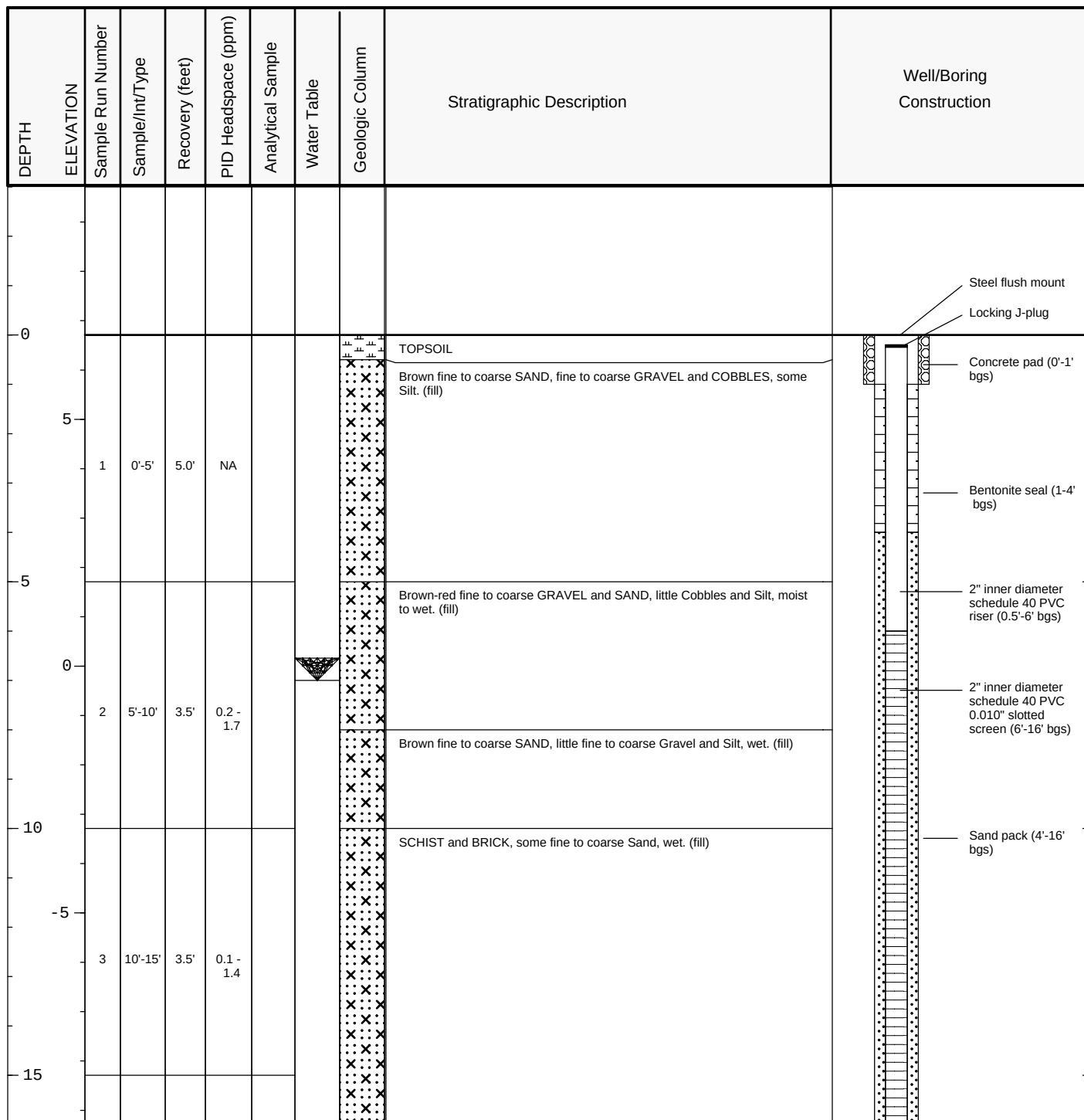
Borehole Depth: 18' bgs
Surface Elevation: 6.71' MVD

Descriptions By: David Mack

Well/Boring ID: MW(SB)-127A

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
East River Park Promenade
Manhattan, New York



Remarks: NA = not available; ND = non-detect; bgs = below ground surface; ppm = parts per million; PVC = polyvinyl chloride.

Samples collected from MW-127B at 7'-8' bgs, 48'-49' bgs, 50'-51' bgs and 54'-55' bgs.
All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Northings: 689656.248
Easting: 638425.107
Casing Elevation: 6.36' MVD
Borehole Depth: 18' bgs
Surface Elevation: 6.71' MVD
Descriptions By: David Mack

Well/Boring ID: MW(SB)-127A

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
East River Park Promenade
Manhattan, New York

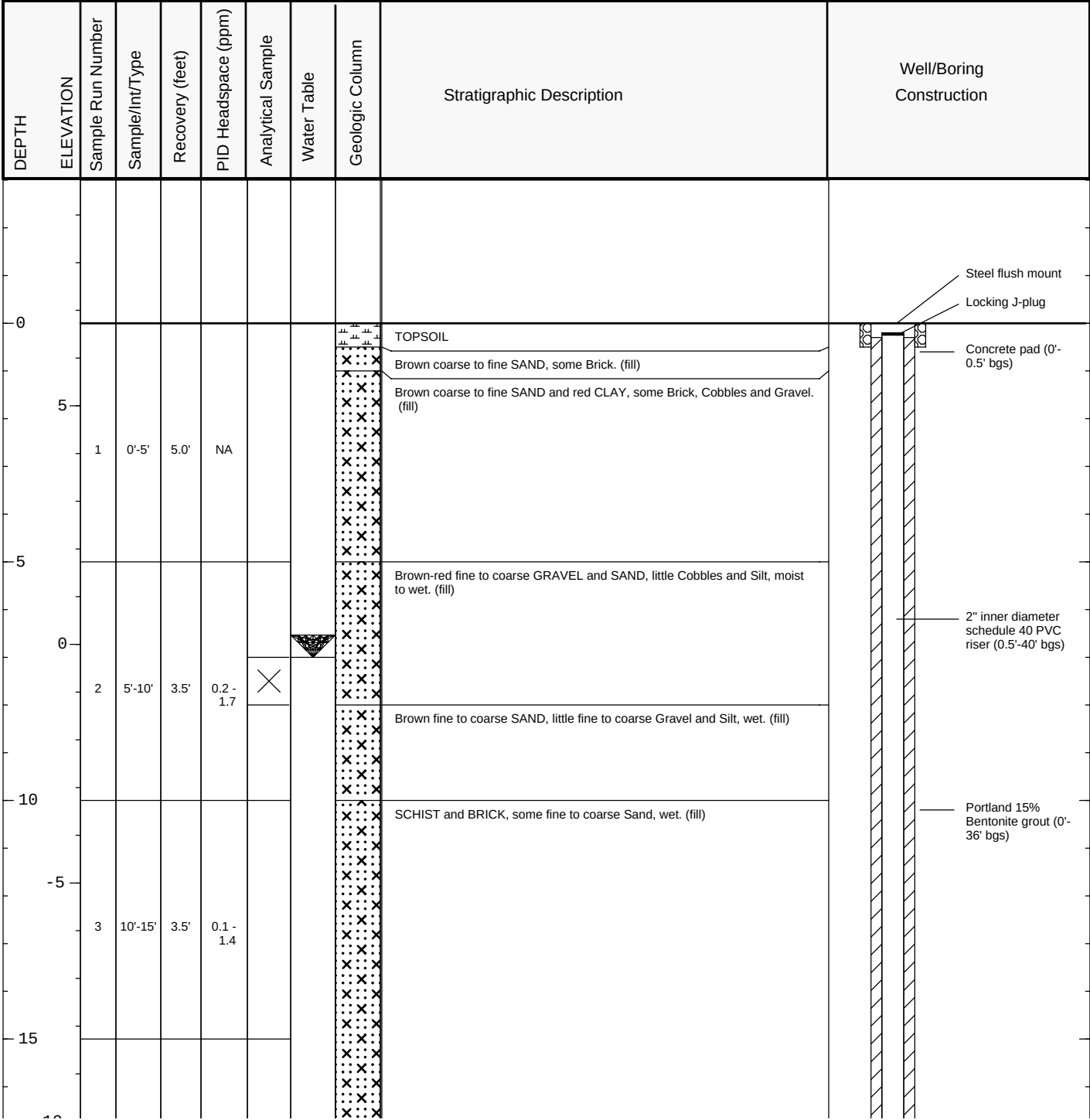
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Remarks: NA = not available; ND = non-detect; bgs = below ground surface; ppm = parts per million; PVC = polyvinyl chloride.

Samples collected from MW-127B at 7'-8' bgs, 48'-49' bgs, 50'-51' bgs and 54'-55' bgs.

All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 2/6/07 - 2/13/07 Drilling Company: Boart Longyear Driller's Name: Ben Grim Drilling Method: Rotary Sonic Casing Size: 4" inner diameter Rig Type: Spider Sonic Sampling Method: 5' sonic run	Northing: 689654.224 Easting: 638422.332 Casing Elevation: 6.47' MVD Borehole Depth: 55' bgs Surface Elevation: 6.73' MVD Descriptions By: David Mack	Well/Boring ID: MW(SB)-127B Client: Consolidated Edison Company of New York, Inc. Location: Former East 11th Street Works East River Park Promenade Manhattan, New York





Remarks: NA = not available; ND = non-detect; bgs = below ground surface; MGP = manufactured gas plant; ppm = parts per million; NR = no recovery; PVC = polyvinyl chloride.

Samples collected at 7'-8' bgs, 48'-49' bgs, 50'-51' bgs and 54'-55' bgs. All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 2/6/07 - 2/13/07
Drilling Company: Boart Longyear
Driller's Name: Ben Grim
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Spider Sonic
Sampling Method: 5' sonic run

Northing: 689654.224
Easting: 638422.332
Casing Elevation: 6.47' MVD

Borehole Depth: 55' bgs
Surface Elevation: 6.73' MVD

Descriptions By: David Mack

Well/Boring ID: MW(SB)-127B

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
East River Park Promenade
Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Well/Boring Construction
-10		4	15'-20'	2.0'	ND					
-20										
-15		5	20'-25'	3.5'	ND - 53.2					
-25									Black fine to coarse SAND and SILT, trace fine Gravel, sheen, MGP-like odor, wet.	
-20		6	25'-30'	2.0'	8.7 - 18.5				Black SILT and fine to coarse SAND, sheen, MGP-like odor, wet.	
-30										
-25		7	30'-35'	3.0'	10.5 - 21.7					
-35									Black SILT, little fine to medium Sand, wet.	



Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
MGP = manufactured gas plant; ppm = parts per million; NR = no recovery;
PVC = polyvinyl chloride.

Samples collected at 7'-8' bgs, 48'-49' bgs, 50'-51' bgs and 54'-55' bgs.
All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 2/6/07 - 2/13/07
Drilling Company: Boart Longyear
Driller's Name: Ben Grim
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Spider Sonic
Sampling Method: 5' sonic run

Northing: 689654.224
Easting: 638422.332
Casing Elevation: 6.47' MVD
Borehole Depth: 55' bgs
Surface Elevation: 6.73' MVD
Descriptions By: David Mack

Well/Boring ID: MW(SB)-127B
Client: Consolidated Edison Company of New York, Inc.
Location: Former East 11th Street Works
 East River Park Promenade
 Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Well/Boring Construction
-30		8	35'-40'	5.0'	20.0 - 247					Bentonite seal (36'-38' bgs)
-40									Black fine SAND, some Silt and coarse to medium Sand, sheen, heavy MGP-like odor, wet.	
-35		9	40'-45'	NR	NA				[NO RECOVERY]	Sand pack (38'-50' bgs)
-45										2" inner diameter schedule 40 PVC 0.010" slotted screen (40'-50' bgs)
-40		10	45'-50'	2.0'	325 - 410				Black fine to medium SAND, some Silt, sheen, heavy MGP-like odor.	
-50										
-45		11	50'-55'	5.0'	ND				Light brown to gray SILT and CLAY, trace fine Sand.	2" inner diameter schedule 40 PVC sump (50'-52' bgs)
-55									End of boring at 55' bgs	Portland 15% Bentonite grout (52'-55' bgs)



Remarks: NA = not available; ND = non-detect; bgs = below ground surface; MGP = manufactured gas plant; ppm = parts per million; NR = no recovery; PVC = polyvinyl chloride.

Samples collected at 7'-8' bgs, 48'-49' bgs, 50'-51' bgs and 54'-55' bgs.
 All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 2/7/07 - 2/09/07
Drilling Company: Boart Longyear
Driller's Name: Ben Grim
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Spider Sonic
Sampling Method: 5' sonic run

Northing: 689567.945
Easting: 638390.311
Casing Elevation: 5.83' MVD

Borehole Depth: 18' bgs
Surface Elevation: 6.07' MVD

Descriptions By: David Mack

Well/Boring ID: MW(SB)-128A

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
East River Park Promenade
Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Well/Boring Construction
0										
5		1	0'-5'	5.0'	NA				Black to gray SILT, little fine Sand, trace fine Gravel, dry. (fill)	Steel flush mount Locking J-plug
									Brown SILT, some fine Sand, trace fine Gravel. (fill)	Concrete pad (0'-1' bgs)
									Brown medium to coarse SAND and fine GRAVEL, little Silt and Cobbles. (fill)	Bentonite seal (1'-4' bgs)
5									Brown coarse to fine GRAVEL, some fine to coarse Sand and Silt, trace Cobbles, moist. (fill)	2" inner diameter schedule 40 PVC riser (0.5'-6' bgs)
0		2	5'-10'	3.0'	ND				Brown fine to coarse SAND, little fine Gravel and Silt, wet. (fill)	
									Brown fine to coarse GRAVEL and SAND, wet. (fill)	
									Gray to Brown fine to coarse GRAVEL and COBBLES, some coarse to fine Sand, moist to wet. (fill)	2" inner diameter schedule 40 PVC 0.010" slotted screen (6'-16' bgs)
10									Dark brown to black fine SAND, some fine to coarse Gravel and Cobbles, trace construction debris, wet. (fill)	Sand pack (4'-16' bgs)
-5		3	10'-15'	2.0'	ND					
15									Black fine to medium SAND, little coarse Sand and fine Gravel, sheen, MGP-like odor, wet.	



Remarks: NA = not available; ND = non-detect; bgs = below ground surface; MGP = manufactured gas plant; ppm = parts per million.

Samples collected from MW-128B at 8'-9' bgs, 31'-32' bgs, 43'-44' bgs and 49'-50' bgs. Duplicate taken at 8'-9' bgs.
All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 2/7/07 - 2/09/07
Drilling Company: Boart Longyear
Driller's Name: Ben Grim
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Spider Sonic
Sampling Method: 5' sonic run

Northing: 689567.945
Easting: 638390.311
Casing Elevation: 5.83' MVD
Borehole Depth: 18' bgs
Surface Elevation: 6.07' MVD
Descriptions By: David Mack

Well/Boring ID: MW(SB)-128A

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
East River Park Promenade
Manhattan, New York

[illegible]

Remarks: NA = not available; ND = non-detect; bgs = below ground surface; MGP = manufactured gas plant; ppm = parts per million.

Samples collected from MW-128B at 8'-9' bgs, 31'-32' bgs, 43'-44' bgs and 49'-50' bgs. Duplicate taken at 8'-9' bgs.
All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Casing Size: 4" inner diameter
Rig Type: Spider Sonic
Sampling Method: 5' sonic run

Borehole Depth: 50' bgs
Surface Elevation: 6.00' MVD
Descriptions By: David Mack

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
East River Park Promenade
Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Well/Boring Construction
0										Steel flush mount Locking J-plug
5			0'-5'	5.0'	NA				Black to gray SILT, little fine Sand, trace fine Gravel, dry. (fill)	Concrete pad (0'-1' bgs)
									Brown SILT, some fine Sand, trace fine Gravel. (fill)	
									Brown medium to coarse SAND and fine GRAVEL, little Silt and Cobbles. (fill)	
5									Brown coarse to fine GRAVEL, some fine to coarse Sand and Silt, trace Cobbles, moist. (fill)	
0			5'-10'	3.0'	ND				Brown fine to coarse SAND, little fine Gravel and Silt, wet. (fill)	2" inner diameter schedule 40 PVC riser (0.5'-35' bgs)
									Brown fine to coarse GRAVEL and SAND, wet. (fill)	
									Gray to Brown fine to coarse GRAVEL and COBBLES, some coarse to fine Sand, moist to wet. (fill)	
10										
-5			10'-15'	2.0'	ND				Dark brown to black fine SAND, some fine to coarse Gravel and Cobbles, trace construction debris, wet. (fill)	Portland 15% Bentonite grout (0'-30' bgs)
15										
-10									Black fine to medium SAND, little coarse Sand and fine Gravel, sheen, MGP-like odor, wet.	



Samples collected at 8'-9' bgs, 31'-32' bgs, 43'-44' bgs and 49'-50' bgs. Duplicate taken at 8'-9' bgs.
All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Casing Size: 4" inner diameter
Rig Type: Spider Sonic
Sampling Method: 5' sonic run

Borehole Depth: 50' bgs
Surface Elevation: 6.00' MVD
Descriptions By: David Mack

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
East River Park Promenade
Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Well/Boring Construction
20	-15		15'-20'	2.0'	10.7 - 18.9					2" inner diameter schedule 40 PVC riser (0.5'-35' bgs)
			20'-25'	5.0'	101 - 179				Black fine to coarse SAND, some Silt and fine Gravel, heavy MGP-like odor, wet. Tar-like material. (20-22' bgs)	Portland 15% Bentonite grout (0'-30' bgs)
25	-20		25'-30'	4.0'	11.2 - 21.0				Black SILT, little fine Sand, wet.	
30	-25								Black SILT, some fine Sand, trace Clay and fine Gravel, wet.	
			30'-35'	5.0'	157 - 242				Black fine to coarse SAND and GRAVEL, little Silt, tar-like material, wet.	Bentonite seal (30'-33' bgs)
									Black SILT, some fine Sand, trace Clay and fine Gravel, wet.	Sand pack (33'-45' bgs)
35					1.9 - 12.3					2" inner diameter schedule 40 PVC 0.010" slotted screen (35'-45' bgs)



Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
MGP = manufactured gas plant; ppm = parts per million; PVC = polyvinyl chloride.

Samples collected at 8'-9' bgs, 31'-32' bgs, 43'-44' bgs and 49'-50' bgs. Duplicates taken at 8'-9' bgs.
All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 2/7/07 - 2/8/07 Drilling Company: Boart Longyear Driller's Name: Ben Grim Drilling Method: Rotary Sonic Casing Size: 4" inner diameter Rig Type: Spider Sonic Sampling Method: 5' sonic run	Northing: 689563.930 Easting: 638387.869 Casing Elevation: 5.75' MV Borehole Depth: 50' bgs Surface Elevation: 6.00' MVD Descriptions By: David Mack	Well/Boring ID: MW(SB)-128B Client: Consolidated Edison Company of New York, Inc. Location: Former East 11th Street Works East River Park Promenade Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Well/Boring Construction
-30			35'-40'	2.0'	10.1 27.2				Black SILT, some fine Sand, trace Clay and fine Gravel, wet, sheen, slight MGP-like odor.	2" inner diameter schedule 40 PVC 0.010" slotted screen (35'-45' bgs)
-40										
-35			40'-45'	5.0'	110 - 178				Sheen, slight MGP-like odor (40'-42' bgs).	
					10 - 11.7	×			Black fine to coarse SAND, little fine Gravel and Silt, MGP-like odor and tar-like material.	
									Brown fine SAND, trace fine Gravel, wet.	
-45										
-40			45'-50'	5.0'	ND				Brown fine SAND, little Clay and Silt, wet.	2" inner diameter schedule 40 PVC sump (45'-47' bgs)
						×			Clay and Silt content increases from little to some Clay and Silt by 50' bgs.	Portland 15% Bentonite grout (45'-50' bgs)
-50									End of boring at 50' bgs	
-45										
-55										

	Remarks: NA = not available; ND = non-detect; bgs = below ground surface; MGP = manufactured gas plant; ppm = parts per million; PVC = polyvinyl chloride. Samples collected at 8'-9' bgs, 31'-32' bgs, 43'-44' bgs and 49'-50' bgs. Duplicate taken at 8'-9' bgs. All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Casing Size: 4" inner diameter
Rig Type: Spider Sonic
Sampling Method: 5' sonic run

Borehole Depth: 50' bgs
Surface Elevation: 6.70' MVD
Descriptions By: David Mack

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
East River Park Promenade
Manhattan, New York

[illegible]

Remarks: NA = not available; ND = non-detect; bgs = below ground surface; MGP = manufactured gas plant; ppm = parts per million.

Samples collected at 7'-8' bgs, 18'-19' bgs, 33'-34' bgs and 49'-50' bgs.
All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 2/07/07 - 2/07/07
Drilling Company: Boart Longyear
Driller's Name: Ben Grim
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Spider Sonic
Sampling Method: 5' sonic run

Northing: 689485.999
Easting: 638347.048
Casing Elevation: NA

Borehole Depth: 50' bgs
Surface Elevation: 6.70' MVD

Descriptions By: David Mack

Boring ID: SB-129

Client: Consolidated Edison Company of New York, Inc.

Location: Former East 11th Street Works
East River Park Promenade
Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
-10		4	15'-20'	2.0'	19.7 - 42	×		×	Brown WOOD, fine to coarse GRAVEL and COBBLES, some fine Sand and Silt, MGP-like odor, wet. (fill) Tar-like material noted on plastic liner. Some drops in Sand and Silt.	Portland 15% Bentonite grout (0'-50' bgs)
20								×	Brown-gray fine SAND and COBBLES, little coarse to medium Sand and Gravel, wet. (fill) Tar-like material noted on plastic liner but not in soils.	
-15		5	20'-25'	3.0'	1.1 - 2.8			×	WOOD. (fill)	
25					10.2			×	Black SILT and WOOD, slight MGP-like odor, moist. (fill)	
-20		6	25'-30'	5.0'	ND			×	Black SILT, little fine Sand, moist. (fill)	
30								×		
-25		7	30'-35'	5.0'	1.7 - 21.0	×		×	WOOD. (fill)	
35								×	Brown to black fine SAND, some medium to coarse Sand, little Silt, trace Cobbles, wet.	



Remarks: NA = not available; ND = non-detect; bgs = below ground surface; MGP = manufactured gas plant; ppm = parts per million.

Samples collected at 7'-8' bgs, 18'-19' bgs, 33'-34' bgs and 49'-50' bgs.
All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 2/07/07 - 2/07/07
Drilling Company: Boart Longyear
Driller's Name: Ben Grim
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Spider Sonic
Sampling Method: 5' sonic run

Northing: 689485.999
Easting: 638347.048
Casing Elevation: NA

Borehole Depth: 50' bgs
Surface Elevation: 6.70' MVD

Descriptions By: David Mack

Boring ID: SB-129

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
East River Park Promenade
Manhattan, New York

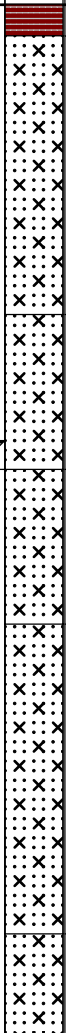
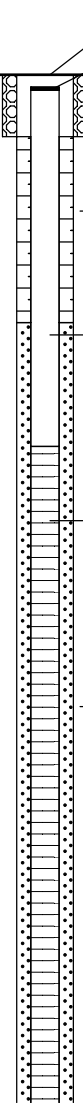
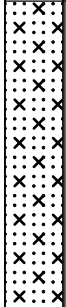
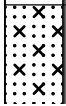
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
-30		8	35'-40'	5.0'	ND					
-40										
-35		9	40'-45'	5.0'	ND				Light brown fine SAND, some Silt, moist.	
-45										
-40		10	45'-50'	5.0'	ND				Light brown to gray CLAY and SILT, little fine Sand, moist.	
-50						×			End of boring at 50' bgs	
-45										
-55										



Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
MGP = manufactured gas plant; ppm = parts per million.

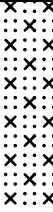
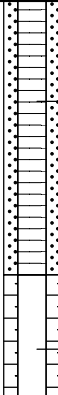
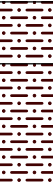
Samples collected at 7'-8' bgs, 18'-19' bgs, 33'-34' bgs and 49'-50' bgs.
All elevations shown are in Borough President of Manhattan Vertical Datum
(MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 2/2/07 - 2/9/07 Drilling Company: Boart Longyear Driller's Name: Ben Grim Drilling Method: Rotary Sonic Casing Size: 4" inner diameter Rig Type: Spider Sonic Sampling Method: 5' sonic run	Northing: 689302.735 Easting: 638254.798 Casing Elevation: 4.44' MVD Borehole Depth: 23' bgs Surface Elevation: 4.82' MVD Descriptions By: David Mack	Well/Boring ID: MW(SB)-130A Client: Consolidated Edison Company of New York, Inc. Location: Former East 11th Street Works East River Park Promenade Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	5									
		1	0'-5'	5.0'	NA				ASPHALT, sub-base material. Light brown fine to coarse SAND, BRICK, COBBLES and CONCRETE, trace Glass, Coal particles, moist. (fill)	
5	0									
		2	5'-10'	3.5'	ND				Brown fine to coarse GRAVEL, some fine to coarse Sand and Silt, moist. (fill) Dark brown fine to coarse GRAVEL and SAND, some Silt, wet. (fill)	2" inner diameter schedule 40 PVC riser (0.5'-6' bgs) 2" inner diameter schedule 40 PVC 0.010" slotted screen (6'-21' bgs)
10	-5									
		3	10'-15'	2.0'	ND				Dark brown to black fine SAND, some fine to coarse Gravel, little Silt, wet. (fill)	Sand pack (4'-21' bgs)
15	-10				2.8 3.7 10.2 23.6				Black fine to coarse GRAVEL and SAND, little Silt, MGP-like odor. (fill)	

	Remarks: NA = not available; ND = non-detect; bgs = below ground surface; MGP = manufactured gas plant; ppm = parts per million; PVC = polyvinyl chloride. Samples collected from MW-130B at 7'-8' bgs, 20'-21' bgs 28'-29' bgs and 40'-41' bgs. All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 2/2/07 - 2/9/07 Drilling Company: Boart Longyear Driller's Name: Ben Grim Drilling Method: Rotary Sonic Casing Size: 4" inner diameter Rig Type: Spider Sonic Sampling Method: 5' sonic run	Northing: 689302.735 Easting: 638254.798 Casing Elevation: 4.44' MVD Borehole Depth: 23' bgs Surface Elevation: 4.82' MVD Descriptions By: David Mack	Well/Boring ID: MW(SB)-130A Client: Consolidated Edison Company of New York, Inc. Location: Former East 11th Street Works East River Park Promenade Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Well/Boring Construction
20'-15'		4	15'-20'	2.0'						 Sand pack (4'-21' bgs) 2" inner diameter schedule 40 PVC 0.010" slotted screen (6'-21' bgs) Bentonite seal (21'-23' bgs) 2" inner diameter schedule 40 PVC sump (21'-23' bgs)
		5	20'-23'	3.0'	23.6 101				Black SILT, little fine Sand and Clay, sheen, strong MGP-like odor, wet. Black SILT, some Clay, little fine Sand, MGP-like odor, moist.	
25'-20'									End of boring at 23' bgs	
30'-25'										
35'-30'										

	Remarks: NA = not available; ND = non-detect; bgs = below ground surface; MGP = manufactured gas plant; ppm = parts per million; PVC = polyvinyl chloride. Samples collected from MW-130B at 7'-8' bgs, 20'-21' bgs 28'-29' bgs and 40'-41' bgs. All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 2/02/07 - 2/06/07
Drilling Company: Boart Longyear
Driller's Name: Ben Grim
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Spider Sonic
Sampling Method: 5' sonic run

Northing: 689298.295
Easting: 638253.204
Casing Elevation: 4.57' MVD

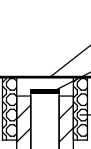
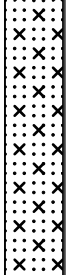
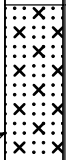
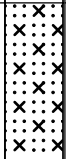
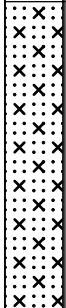
Borehole Depth: 45' bgs
Surface Elevation: 4.85' MVD

Descriptions By: David Mack

Well/Boring ID: MW(SB)-130B

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
East River Park Promenade
Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	5									
		1	0'-5'	5.0'	NA				ASPHALT, sub-base material.	
									Light brown fine to coarse SAND, BRICK, COBBLES and CONCRETE, trace Glass, Coal particles, moist. (fill)	
5	0								Brown fine to coarse GRAVEL, some fine to coarse Sand and Silt, moist. (fill)	
		2	5'-10'	3.5'	ND				Dark brown fine to coarse GRAVEL and SAND, some Silt, wet. (fill)	
10	-5								Dark brown to black fine SAND, some fine to coarse Gravel, little Silt, wet. (fill)	
		3	10'-15'	2.0'	ND				Black fine to coarse GRAVEL and SAND, little Silt, MGP-like odor. (fill)	
15	10				2.8 3.7 10.2					



Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
MGP = manufactured gas plant; ppm = parts per million; PVC = polyvinyl chloride.

Samples collected at 7'-8' bgs, 20'-21' bgs, 28'-29' bgs and 40'-41' bgs.
All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 2/02/07 - 2/06/07
Drilling Company: Boart Longyear
Driller's Name: Ben Grim
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Spider Sonic
Sampling Method: 5' sonic run

Northing: 689298.295
Easting: 638253.204
Casing Elevation: 4.57' MVD

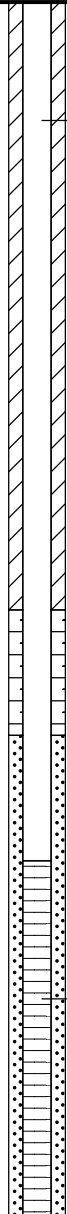
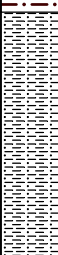
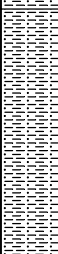
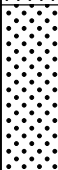
Borehole Depth: 45' bgs
Surface Elevation: 4.85' MVD

Descriptions By: David Mack

Well/Boring ID: MW(SB)-130B

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
East River Park Promenade
Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Well/Boring Construction
20' 15"		4	15'-20'	2.0'	23.6					 2" inner diameter schedule 40 PVC riser (0.25'-30' bgs) Portland 15% Bentonite grout (0.3'-26' bgs) Bentonite seal (26'-28' bgs) Sand Pack (28'-40.5' bgs) 2" inner diameter schedule 40 PVC 0.010" slotted screen (30'-40' bgs)
						×			Black SILT, little fine Sand and Clay, sheen, strong MGP-like odor, wet.	
		5	20'-25'	5.0'	23.6 - 101				Black SILT, some Clay, little fine Sand, MGP-like odor, moist.	
25' 20"									Black SILT, some Clay, little fine Sand, moist.	
		6	25'-30'	5.0'	ND - 1.2				Trace Wood at 29' bgs	
30' 25"						×			Black fine SAND, some Silt, trace Shells, moist.	
		7	30'-35'	5.0'	ND - 1.9				Brown to gray medium SAND, some fine to coarse Sand, trace Silt, moist.	
35' 30"									Light brown to gray fine SAND, little Silt, moist.	



Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
MGP = manufactured gas plant; ppm = parts per million; PVC = polyvinyl chloride.

Samples collected at 7'-8' bgs, 20'-21' bgs, 28'-29' bgs and 40'-41' bgs.
All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 2/02/07 - 2/06/07
Drilling Company: Boart Longyear
Driller's Name: Ben Grim
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Spider Sonic
Sampling Method: 5' sonic run

Northing: 689298.295
Easting: 638253.204
Casing Elevation: 4.57' MVD

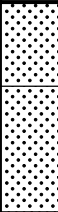
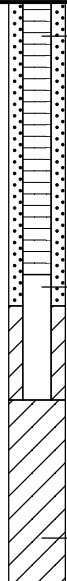
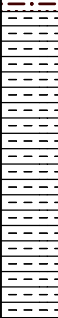
Borehole Depth: 45' bgs
Surface Elevation: 4.85' MVD

Descriptions By: David Mack

Well/Boring ID: MW(SB)-130B

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
East River Park Promenade
Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Well/Boring Construction
40	35	8	35'-40'	5.0'	ND				Light brown to gray fine SAND, some Silt, little Clay, trace fine Gravel, moist.	 2" inner diameter schedule 40 PVC 0.010" slotted screen (30'-40' bgs) Sand Pack (28'-40.5' bgs) 2" inner diameter schedule 40 PVC sump (40'-42' bgs) Portland 15% Bentonite grout (40.5'-45' bgs)
									Light brown to gray fine SAND and SILT, some Clay, moist.	
						X			Light brown to gray CLAY and SILT, little fine Sand, moist.	
45	40	9	40'-45'	5.0'	ND				End of boring at 45' bgs	
50	45									
55	50									



Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
MGP = manufactured gas plant; ppm = parts per million; PVC = polyvinyl chloride.

Samples collected at 7'-8' bgs, 20'-21' bgs, 28'-29' bgs and 40'-41' bgs.
All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Casing Size: 4" inner diameter
Rig Type: Spider Sonic
Sampling Method: 5' sonic run

Borehole Depth: 50' bgs
Surface Elevation: 8.46' MVD

Descriptions By: Jeremy Cuccuini

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
Haven Plaza
Manhattan, New York

[illegible]

Samples collected at 7'-8' bgs, 10'-11' bgs, 13'-14' bgs, 36'-37' bgs and 49'-50' bgs.
All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 1/12/07 - 1/15/07
Drilling Company: Boart Longyear
Driller's Name: Ben Grim
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Spider Sonic
Sampling Method: 5' sonic run

Northing: 690142.170
Easting: 637605.917
Casing Elevation: NA

Borehole Depth: 50' bgs
Surface Elevation: 8.46' MVD

Descriptions By: Jeremy Cuccuini

Boring ID: SB-131

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
Haven Plaza
Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
-10		4	15'-20'	5.0'	ND				Dark brown fine to medium SAND, wet.	Portland 15% Bentonite grout (0'-50' bgs)
									Gray-brown Clayey SILT, wet.	
20									Gray-brown fine to medium SAND, wet.	
									Gray-brown SILT, trace fine Sand, wet.	
-15		5	20'-25'	4.0'	ND					
									Gray-brown fine SAND, moist.	
25									Olive brown fine SAND, moist.	
		6	25'-30'	5.0'	ND					
-20									Olive-brown fine to medium SAND, trace fine Gravel, wet.	
30										
		7	30'-35'	4.0'	ND					
-25										
35									Light brown fine to coarse SAND, some fine to coarse Gravel, trace Silt, wet.	



Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
MGP = manufactured gas plant; ppm = parts per million.

Samples collected at 7'-8' bgs, 10'-11' bgs, 13'-14' bgs, 36'-37' bgs and 49'-50' bgs.
All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Casing Size: 4" inner diameter
Rig Type: Spider Sonic
Sampling Method: 5' sonic run

Borehole Depth: 50' bgs
Surface Elevation: 8.46' MVD

Descriptions By: Jeremy Cuccuini

Location: Former East 11th Street Works
Haven Plaza
Manhattan, New York

 ARCADIS BBL Infrastructure, environment, facilities	Remarks: NA = not available; ND = non-detect; bgs = below ground surface; MGP = manufactured gas plant; ppm = parts per million. Samples collected at 7'-8' bgs, 10'-11' bgs, 13'-14' bgs, 36'-37' bgs and 49'-50' bgs. All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 1/12/07 - 1/16/07
Drilling Company: Boart Longyear
Driller's Name: Ben Grim
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Spider Sonic
Sampling Method: 5' sonic run

Northing: 690105.473
Easting: 637583.139
Casing Elevation: NA

Borehole Depth: 50' bgs
Surface Elevation: 8.45' MVD

Descriptions By: Jeremy Cuccuini

Boring ID: SB-132

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
Haven Plaza
Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
10										
0										
		1	0'-5'	5.0'	NA				Dark brown fine to coarse SAND and SILT, trace Organics, moist. (fill)	
									Dark Brown fine to coarse SAND and SILT, some Brick and Cobbles, moist. (fill)	
5									Brown fine SAND and SILT, some Brick, trace black ash-like material and fine to coarse Gravel, moist. (fill)	
5									Light brown fine to medium SAND and SILT, trace Brick, moist. (fill)	
		2	5'-10'	5.0'	ND				Dark brown fine to coarse SAND and SILT, trace fine to medium Gravel and Brick, moist. (fill)	
0										
10					10	×			Slight MGP-like odor.	
					10				Dark brown fine to medium SAND and SILT, trace black stained ash-like material, strong MGP-like odor, wet. (fill)	
		3	10'-15'	5.0'	45					
					55	×			Olive-brown fine SAND and SILT, slight MGP-like odor, wet.	
-5					10				Red-brown Clayey SILT, moist.	
15										

Portland 15%
Bentonite grout (0'-
50' bgs)



Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
MGP = manufactured gas plant; ppm = parts per million.

Samples collected at 10'-11' bgs, 13'-14' bgs, 16'-17' bgs and 49'-50' bgs.
Duplicate sample taken at 49'-50' bgs.
All elevations shown are in Borough President of Manhattan Vertical Datum
(MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 1/12/07 - 1/16/07
Drilling Company: Boart Longyear
Driller's Name: Ben Grim
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Spider Sonic
Sampling Method: 5' sonic run

Northing: 690105.473
Easting: 637583.139
Casing Elevation: NA

Borehole Depth: 50' bgs
Surface Elevation: 8.45' MVD

Descriptions By: Jeremy Cuccuini

Boring ID: SB-132

Client: Consolidated Edison Company
 of New York, Inc.

Location: Former East 11th Street Works
 Haven Plaza
 Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
		4	15'-20'	5.0'	ND	×			Light brown fine SAND and SILT, moist.	
-10									Light brown fine SAND, trace Silt, wet.	
20									Light brown fine SAND and SILT, wet.	
		5	20'-25'	5.0'	ND				Light brown fine SAND, trace Silt, wet.	
-15										
25		6	25'-30'	5.0'	ND				Light brown fine SAND and SILT, moist.	
-20										
30		7	30'-35'	5.0'	ND				Gray-brown fine to coarse SAND, some Silt and fine to medium Gravel, wet.	
-25										
35										

Portland 15%
 Bentonite grout (0'-
 50' bgs)



Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
 MGP = manufactured gas plant; ppm = parts per million.

 Samples collected at 10'-11' bgs, 13'-14' bgs, 16'-17' bgs and 49'-50' bgs.
 Duplicate sample taken at 49'-50' bgs.
 All elevations shown are in Borough President of Manhattan Vertical Datum
 (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 1/12/07 - 1/16/07
Drilling Company: Boart Longyear
Driller's Name: Ben Grim
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Spider Sonic
Sampling Method: 5' sonic run

Northing: 690105.473
Easting: 637583.139
Casing Elevation: NA

Borehole Depth: 50' bgs
Surface Elevation: 8.45' MVD

Descriptions By: Jeremy Cuccuini

Boring ID: SB-132

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
Haven Plaza
Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
-30		8	35'-40'	5.0'	ND				Olive brown fine to medium SAND and SILT, trace fine to coarse Gravel and Cobbles, wet.	 Portland 15% Bentonite grout (0'-50' bgs)
-40									Orange-brown fine to coarse SAND and SILT, trace fine Gravel, moist.	
-35		9	40'-45'	5.0'	ND				Light brown fine to medium SAND and SILT, moist.	
-45									Dark brown fine to coarse SAND and SILT, some fine to medium Gravel, wet.	
-40		10	45'-50'	5.0'						
-50					3.0	×			End of boring at 50' bgs	
-45										
-55										



Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
MGP = manufactured gas plant; ppm = parts per million.

Samples collected at 10'-11' bgs, 13'-14' bgs, 16'-17' bgs and 49'-50' bgs.
Duplicate sample taken at 49'-50' bgs.
All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Casing Size: 4" inner diameter
Rig Type: Spider Sonic
Sampling Method: 5' sonic run

Borehole Depth: 50' bgs
Surface Elevation: 8.39' MVD

Client: Consolidated Edison Company
of New York, Inc.

[illegible]

Samples collected at 10'-11' bgs and 49'-50' bgs.
All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 1/15/07 - 1/17/07
Drilling Company: Boart Longyear
Driller's Name: Ben Grim
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Spider Sonic
Sampling Method: 5' sonic run

Northing: 690059.862
Easting: 637555.142
Casing Elevation: NA

Borehole Depth: 50' bgs
Surface Elevation: 8.39' MVD

Descriptions By: Jeremy Cuccuini

Boring ID: SB-133

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
Haven Plaza
Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
-10		4	15'-20'	NR	NA					
20									Red-brown SILT, some fine Sand, wet.	
-15		5	20'-25'	5.0'	ND				Light brown fine to medium SAND, wet.	
25										
-20		6	25'-30'	5.0'	ND				Light brown Silty CLAY, some fine Sand, wet.	
30										
-25		7	30'-35'	5.0'	ND				Light brown fine SAND and SILT, trace medium to coarse Gravel, wet.	
35										

Portland 15%
Bentonite grout (0'-
50' bgs)



Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
ppm = parts per million; NR = no recovery.

Samples collected at 10'-11' bgs and 49'-50' bgs.
All elevations shown are in Borough President of Manhattan Vertical Datum
(MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 1/15/07 - 1/17/07
Drilling Company: Boart Longyear
Driller's Name: Ben Grim
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Spider Sonic
Sampling Method: 5' sonic run

Northing: 690059.862
Easting: 637555.142
Casing Elevation: NA

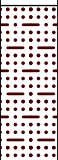
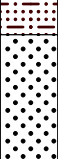
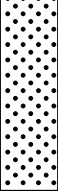
Borehole Depth: 50' bgs
Surface Elevation: 8.39' MVD

Descriptions By: Jeremy Cuccuini

Boring ID: SB-133

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
Haven Plaza
Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
-30		8	35'-40'	5.0'	ND				Olive-gray CLAY, trace fine Sand, moist.	 Portland 15% Bentonite grout (0'- 50' bgs)
									Olive-brown fine to medium SAND and SILT, trace fine to medium Gravel, wet.	
-40									Brown fine to coarse SAND and GRAVEL, trace Cobbles and Silt, dry.	
									Olive-brown fine SAND and SILT, wet.	
-35		9	40'-45'	5.0'	ND				Light brown fine to medium SAND, some Silt, trace fine to medium Gravel, wet.	
-45										
-40		10	45'-50'	5.0'	ND				Olive-gray SILT and CLAY, trace fine Sand, moist.	
-50						×			Light brown fine to coarse SAND and SILT, trace fine to coarse Gravel, wet.	
									End of boring at 50' bgs	
-45										
-55										



Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
ppm = parts per million; NR = no recovery.

Samples collected at 10'-11' bgs and 49'-50' bgs.
All elevations shown are in Borough President of Manhattan Vertical Datum
(MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 1/17/07 - 1/19/07
Drilling Company: Boart Longyear
Driller's Name: Ben Grim
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Spider Sonic
Sampling Method: 5' sonic run

Northing: 690277.477
Easting: 637549.149
Casing Elevation: NA

Borehole Depth: 45' bgs
Surface Elevation: 7.21' MVD

Descriptions By: Jeremy Cuccuini

Boring ID: SB-134

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
Haven Plaza
Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
10										
0									Concrete and sub-base material.	
5		1	0'-5'	5.0'	NA				Light brown fine to coarse SAND and SILT, trace Brick, Glass and fine to coarse Gravel and Cobbles, moist. (fill)	
5									Light brown fine to coarse SAND and SILT, trace fine to medium Gravel, moist.	
0		2	5'-10'	3.0'	ND				Light brown fine SAND and SILT, moist to wet.	
10										Portland 15% Bentonite grout (0'-45' bgs)
-5		3	10'-15'	5.0'	ND				Light brown fine to medium SAND, trace Silt, wet.	
15									Light brown fine SAND and SILT, wet.	



Remarks: NA = not available; ND = non-detect; bgs = below ground surface; ppm = parts per million.

Samples collected at 9'-10' bgs and 39'-40' bgs.
All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 1/17/07 - 1/19/07
Drilling Company: Boart Longyear
Driller's Name: Ben Grim
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Spider Sonic
Sampling Method: 5' sonic run

Northing: 690277.477
Easting: 637549.149
Casing Elevation: NA

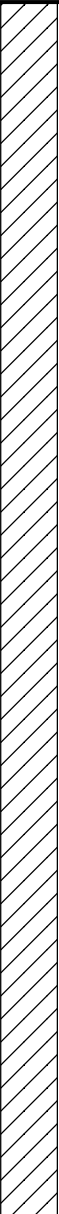
Borehole Depth: 45' bgs
Surface Elevation: 7.21' MVD

Descriptions By: Jeremy Cuccuini

Boring ID: SB-134

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
Haven Plaza
Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
-10		4	15'-20'	5.0'	ND				Olive-brown fine to medium SAND, trace Silt, wet.	 Portland 15% Bentonite grout (0'-45' bgs)
									Olive-brown SILT, some fine Sand, moist.	
20									Light brown fine SAND, some Silt, wet.	
-15		5	20'-25'	5.0'	ND				Light brown fine SAND and SILT, wet.	
									Red-brown fine to medium SAND, wet.	
25									Olive-brown fine to medium SAND, trace Silt, wet.	
-20		6	25'-30'	5.0'	ND					
30										
-25		7	30'-35'	5.0'	ND					
35										



Remarks: NA = not available; ND = non-detect; bgs = below ground surface; ppm = parts per million.

Samples collected at 9'-10' bgs and 39'-40' bgs.
All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 1/17/07 - 1/19/07
Drilling Company: Boart Longyear
Driller's Name: Ben Grim
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Spider Sonic
Sampling Method: 5' sonic run

Northing: 690277.477
Easting: 637549.149
Casing Elevation: NA

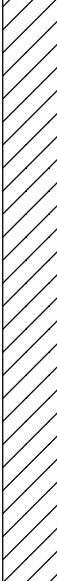
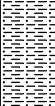
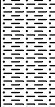
Borehole Depth: 45' bgs
Surface Elevation: 7.21' MVD

Descriptions By: Jeremy Cuccuini

Boring ID: SB-134

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
Haven Plaza
Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
-30		8	35'-40'	5.0'	ND				Olive-brown fine SAND and SILT, wet.	 Portland 15% Bentonite grout (0'- 45' bgs)
						×			Olive-brown Clayey SILT, trace fine Sand, moist.	
-35		9	40'-45'	3.0'	ND				Light brown fine SAND and SILT, trace coarse Gravel, moist.	
-45									End of boring at 45' bgs	
-40										
-50										
-45										
-55										



Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
ppm = parts per million.

Samples collected at 9'-10' bgs and 39'-40' bgs.
All elevations shown are in Borough President of Manhattan Vertical Datum
(MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Casing Size: 4" inner diameter
Rig Type: Spider Sonic
Sampling Method: 5' sonic run

Borehole Depth: 50' bgs
Surface Elevation: 8.44' MVD

Client: Consolidated Edison Company
of New York, Inc.

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
10										
0										
		1	0'-5'	5.0'	NA				Fine to coarse SAND, SILT, and ORGANICS, moist. (fill)	
5									Light brown fine to medium Silty SAND, trace black ash-like material, Glass, Brick, and Gravel, moist. (fill)	
5										
		2	5'-10'	2.0'					BRICK and COBBLES, sheen at 10' bgs. (fill)	
0					2.1					
10									Dark brown fine SAND and SILT, slight MGP-like odor, wet.	
		3	10'-15'	3.0'	1.4					
5										
15									Light brown SILT, wet.	



Samples collected at 10'-11' bgs, 15'-16' bgs and 40'-41' bgs.
All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 1/15/07 - 1/18/07
Drilling Company: Boart Longyear
Driller's Name: Ben Grim
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Spider Sonic
Sampling Method: 5' sonic run

Northing: 690091.937
Easting: 637446.121
Casing Elevation: NA

Borehole Depth: 50' bgs
Surface Elevation: 8.44' MVD

Descriptions By: Jeremy Cuccuini

Boring ID: SB-135

Client: Consolidated Edison Company
 of New York, Inc.

Location: Former East 11th Street Works
 Haven Plaza
 Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
-10		4	15'-20'	5.0'	ND					
20									Light brown fine SAND and SILT, wet.	
									Light brown fine SAND, trace Silt, wet.	
-15		5	20'-25'	5.0'	ND				Olive-brown fine SAND, trace Silt.	
25									0.25" Silty Clay lense at 25.5' bgs.	
-20		6	25'-30'	5.0'	ND					
30									Light brown medium to fine SAND, trace angular to sub-angular Gravel, wet.	
-25		7	30'-35'	2.0'	ND					
35										



Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
 MGP = manufactured gas plant; ppm = parts per million.

 Samples collected at 10'-11' bgs, 15'-16' bgs and 40'-41' bgs.
 All elevations shown are in Borough President of Manhattan Vertical Datum
 (MVD), which is 2.75 feet above mean sea level at Sandy Hook.

Date Start/Finish: 1/15/07 - 1/18/07
Drilling Company: Boart Longyear
Driller's Name: Ben Grim
Drilling Method: Rotary Sonic

Casing Size: 4" inner diameter
Rig Type: Spider Sonic
Sampling Method: 5' sonic run

Northing: 690091.937
Easting: 637446.121
Casing Elevation: NA

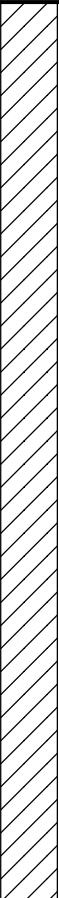
Borehole Depth: 50' bgs
Surface Elevation: 8.44' MVD

Descriptions By: Jeremy Cuccuini

Boring ID: SB-135

Client: Consolidated Edison Company
of New York, Inc.

Location: Former East 11th Street Works
Haven Plaza
Manhattan, New York

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Water Table	Geologic Column	Stratigraphic Description	Boring Construction
-30		8	35'-40'	5.0'	ND				Olive-gray fine SAND and SILT, trace Gravel, moist.	 Portland 15% Bentonite grout (0'-50' bgs)
-40						×			Olive-brown Clayey SILT, moist.	
-35		9	40'-45'	5.0'	ND					
-45									Light brown fine to medium SAND, moist.	
-40		10	45'-50'	5.0'	ND				Olive gray SILT, trace fine Sand, moist.	
-50									Olive brown Clayey SILT, moist to wet.	
-55									End of boring at 50' bgs	



Remarks: NA = not available; ND = non-detect; bgs = below ground surface;
MGP = manufactured gas plant; ppm = parts per million.

Samples collected at 10'-11' bgs, 15'-16' bgs and 40'-41' bgs.
All elevations shown are in Borough President of Manhattan Vertical Datum (MVD), which is 2.75 feet above mean sea level at Sandy Hook.