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Consolidated Edison Company of New York, Inc.

Site-Wide Remedial Investigation Report

Former West 18th Street Gas Works

December 2009

ARCADIS

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Site-Wide Remedial Investigation Report

Former West 18th Street Gas Works

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AAR	Alternatives Analysis Report
AKRF	AKRF, Inc.
AMSL	above mean sea level
AWQS	Ambient Water Quality Standard
AWQSGV	Ambient Water Quality Standard or Guidance Value
BBL	Blasland, Bouck, and Lee, Inc.
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene and xylene
cm/sec	centimeters per second
COC	constituent of concern
Company	Manhattan Gas Light Company
CompuChem	CompuChem Labs of Cary, NC
Con Edison	Consolidated Edison Company of New York, Inc.
cy	cubic yard
DNAPL	dense non-aqueous phase liquid
DO	dissolved oxygen
DOT	Department of Transportation
DRO	diesel range organics
DUSR	data usability summary report
EDR	Environmental Data Resources, Inc.
EP	Extraction Procedure
ESA	Environmental Site Assessment

ESI	Environmental Site Investigation
GC	gas chromatogram
GC/MS	gas chromatography/mass spectrometry
Georgetown	Georgetown 19th Street Development, LLC
GRO	gasoline range organics
HASP	Health and Safety Plan
IAC	Interactive Corporation
IDW	investigative-derived waste
Langan	Langan Environmental, Inc.
LNAPL	light non-aqueous phase liquid
LUST	leaking underground storage tank
mg/kg	milligrams per kilogram
mg/L	milligram per liter
MGP	manufactured gas plant
mL	milliliters
MTA	Melick Tully and Associates, P.C.
MTBE	methyl tert-butyl ether
NAPL	non-aqueous phase liquid
NAPL Work Plan	NAPL Delineation Soil Boring Work Plan
NAVD88	North American Vertical Datum of 1988
NFA	No Further Action

NYCDEP	New York City Department of Environmental Protection
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSDOT	New York State Department of Transportation
OLM	oil-like material
ORP	oxidation-reduction potential
PAH	polynuclear aromatic hydrocarbon
Parsons	Parsons Corporation
PCB	polychlorinated biphenyl
PIANOS	*P*araffins, *I*soparaffins, *A*romatics, *N*aphthenes, *O*lefins and *S*ulfur heterocyclic hydrocarbons
PID	photo ionization detector
PPL	Priority Pollutant List
ppm	parts per million
psi	pounds per square inch
PVC	polyvinyl chloride
QA/QC	quality assurance/quality control
QAPP	Quality Assurance Project Plan
RAO	remedial action objective
RASR/RAWP	Remedial Action Selection Report and Remedial Action Work Plan
RCRA	Resource Conservation and Recovery Act

Report	*Site-Wide Remedial Investigation Report*
RI	remedial investigation
RIWP	Remedial Investigation Work Plan
RMSL	regional mean sea level
Roux	Roux Associates, Inc.
SCO	Soil Cleanup Objective
SCS	Site Characterization Study
site	Former West 18th Street Gas Works in the Borough of Manhattan, New York, NY
SOP	Standard Operating Procedure
STARS	Spill Technology and Remediation Series
STL	Severn Trent Laboratories
Subsurface Investigation Report	*Subsurface Investigation Report Former Parking Garage 438 W. 18th Street New York New York NYSDEC # 01-03363*
SVOC	Semivolatile organic compound
TAGM	Technical Administrative Guidance Memorandum
TCL	Target Compound List
TCLP	toxicity characteristic leaching procedure
TestAmerica	TestAmerica Laboratories of Shelton, CT
TLM	tar-like material
TPH	total petroleum hydrocarbon
TRC	TRC Environmental Corporation
UCM	unresolved complex mixture

USEPA	United States Environmental Protection Agency
UST	underground storage tank
VCA	Voluntary Cleanup Agreement
VOC	volatile organic compound
Worldwide	Worldwide Geosciences, Inc.
µg/kg	micrograms per kilogram
µg/L	micrograms per liter

1. Introduction

1.1 Overview

This *Site-Wide Remedial Investigation Report* (report) summarizes the findings of a remedial investigation (RI) conducted at the Former West 18th Street Gas Works in the Borough of Manhattan, New York, NY (the site). The RI was conducted by ARCADIS on behalf of the Consolidated Edison Company of New York, Inc. (Con Edison) pursuant to the New York State Department of Environmental Conservation (NYSDEC) Voluntary Cleanup Agreement (VCA) No. D2-0003-02-08, Site No. V00530. The RI was carried out in conformance with NYSDEC procedures and guidelines and the NYSDEC-approved January 2006 Remedial Investigation Work Plan (RIWP) prepared by TRC Environmental Corporation (TRC 2006b). During the RI, supplementary work tasks were performed in addition to the work specified in the RIWP. Those tasks and their associated scopes of work were approved by the NYSDEC and are cited herein, as appropriate.

Con Edison conducted a Site Characterization Study (SCS) from 2004 to 2005 as an initial investigation of the site. Results of the SCS were presented in the Site Characterization Report prepared by TRC in 2006 (TRC 2006a). The SCS found that soil and groundwater beneath several areas of the property had been impacted by former manufactured gas plant (MGP) operations and other sources, such as leaking underground storage tanks (LUSTs). Based on these findings, and in accordance with the terms of the VCA, Con Edison performed an RI for the site.

The site encompasses 12 properties on portions of five city blocks located between West 16th and West 20th Streets in Manhattan (Figure 1). As specified in Appendix A of the VCA, the site comprises the following modern tax lots:

Tax Map Block Number	Tax Map Lot Number	Street Address
Block 688	Lot s 1001 and 1002	109-111 10th Avenue
Block 689	Lot 17	501 West 17th Street
Block 690	Lot 12	80 11th Avenue
	Lot 20	511 West 18th Street
	Lot 29	131 10th Avenue
	Lot 40	512 West 19th Street
	Lot 42	516 West 19th Street
	Lot 46	524 West 19th Street
	Lot 54	96 11th Avenue

Tax Map Block Number	Tax Map Lot Number	Street Address
Block 691	Lot 1	112 11th Avenue
	Lot 11	100 11th Avenue
Block 715	Lot 59	442 West 18th Street

The property that comprises Block 662, Lots 11, 12 and 19 is known as "Chelsea Piers" and is not specified in the VCA; however, several MGP-related structures were located on this property, including coal and lime houses. As such, this property is considered part of the site and was investigated under this RI. The current site layout with current New York City Tax Map Block and Lot numbers that comprise the site is shown on Figure 2.

1.2 Report Organization

This report is organized as follows:

- **Section 1, Introduction**, discusses the project background, RI objectives and site history.
- **Section 2, Summary of Previous Work**, summarizes pertinent information obtained during previous site investigations.
- **Section 3, Summary of Remedial Actions Completed**, discusses remedial activities performed as part of the ongoing site redevelopment.
- **Section 4, Remedial Investigation Program**, discusses activities performed during this RI.
- **Section 5, Findings**, summarizes field observations including geology, hydrogeology and the observed distribution of non-aqueous phase liquid (NAPL) encountered during the RI.
- **Section 6, Analytical Results**, presents field and analytical data collected during the RI and a comparison of analytical data to applicable cleanup objectives.
- **Section 7, Conclusions**, summarizes the findings of the RI and the conclusions drawn.
- **Section 8, References**, cites the references used in this report.

1.3 Goals of Remedial Investigation Program

The objectives of the RI, as outlined in the RIWP (TRC 2006b), were to:

- delineate the horizontal and vertical extent of MGP-impacted soil and groundwater initially identified during the SCS
- determine if soil and/or groundwater conditions pose an acute health risk and if so, whether the conditions warrant implementation of interim remedial measures
- collect sufficient data to develop appropriate and applicable remedies, if necessary

The work performed to satisfy these objectives entailed drilling soil borings; installing groundwater monitoring wells; excavating exploratory test pits; and collecting and analyzing samples of subsurface soil, groundwater, NAPL, indoor air and soil gas. The methods and procedures used during these activities are described in Section 4.

1.4 Pre-MGP Site History

This section, as well as Sections 1.5 and 1.6, presents a summary of historical activities conducted at the site based on information presented in the following sources:

- *Site History Report* (Parsons Corporation [Parsons] 2002)
- historical maps and drawings (e.g., Sanborn and Bromley Maps)
- *Site Characterization Study Report for the Former West 18th Street Gas Works* (TRC 2006a)
- Historic Timeline and Obstruction Summary (Langan Environmental, Inc. [Langan] 2007)

A site history summary between 1833 and 1985, as presented on historical maps and drawings, is presented in Table 1. Based on the historical drawings, the majority of the site was constructed on “made-land,” reclaimed from the Hudson River. Based on the *Site History Report* and Langan’s Historic Timeline and Obstruction Summary, the original shoreline was located just east of 10th Avenue. As late as 1828, the shoreline

remained essentially unchanged, still located east of 10th Avenue." Historical shorelines are depicted on Figure 3.

Further, Lagan's report states that "…in the 1830's, a bulkhead (or possibly bulkheads) was constructed to the western third of the site…By 1852, land reclamation extended westward to create a full city block, 11th Avenue, a partial block, and 13th Avenue."

Though MGP operations began in 1833 (focused in Block 689), much of the area that would eventually become part of the site was not reclaimed from the river until the early 1850s. By 1852, the shoreline adjacent to the site had been extended farther westward, to a north-south alignment as much as 300 feet west of the modern shoreline.

Land use prior to development of the MGP was a mixture of residential and industrial, as described in Parson's Site History Report (Parsons 2002) and summarized below by parcel. With the exception of Block 715, all blocks that comprised the former MGP are located west of 10th Avenue, as presented below:

- **Block 688 (between West 16th and West 17th streets):** After the land was reclaimed from the river in the early1830s, one- and two-story housing was constructed on the eastern portion of the block. Small-scale industry was also present. The entire block was sold to the Manhattan Gas Light Company (Company) in 1858.

- **Block 689 (between West 17th and West 18th streets):** After the eastern two-thirds of the block had been reclaimed in the early1830s, the Company purchased several lots for construction of the gas works. Concurrently, individuals bought lots and constructed five houses at the southeast end of the block, next to the MGP. These houses endured until the late 1850s, when the gas company bought these lots and razed the houses to make room for additional MGP buildings.

- **Block 690 (between West 18th and West 19th streets):** Block 690 contained a steam mill and various factories, including a distillery and a chemical works until the 1860s and 1870s when these properties were purchased by the Company and were demolished.

- **Block 691, Tax Lots 1 and 11 (west end of block between West 19th and West 20th streets):** Block 691 primarily contained residences starting in the 1830s, when its eastern end was reclaimed from the Hudson River. In the late

1830s and early 1840s, the block supported a stable and eight houses. By the 1860s, the block had 19 houses, a factory, a stone works, a cooperage and a kindling wood yard. In 1866, the gas company purchased its first lots on the block, on the western end. The eastern portion of the block was never part of the gas works.

- **Block 715, Tax Lot 59 (between West 17th and West 18th streets, east of 10th Avenue):** Block 715 supported several houses and shops by the 1840s; however, Tax Lot 59 (the property later owned by the gas company) was undeveloped during these years. In 1845 and 1846, individuals sold what would become Tax Lot 59 to the Company for construction of a building to house two gas holders.

- **Block 662 (west of Route 9A, between West 16th and West 20th streets):** Block 662 comprises the area west of 11th Avenue, the current Chelsea Piers. This region was not reclaimed until the early 1850s. The gas company purchased the property that comprises the entire modern-day block by 1858, and according to the 1859 Perris and Company map used portions of the lot as a coal yard.

1.5 MGP Site Operational History

The Manhattan Gas Light Company was formed in 1830; Samuel Leggett was its first president. By 1833, the Company had acquired a franchise to provide gas to customers in Manhattan north of Grand and Canal streets. The initial gas works were built at 18th Street near 10th Avenue at Block 689. Block 689 was the location of the principal MGP components: a retort house, condensers, washers and the purifying house, likely contained in one or two structures. The only process used to make gas at the plant throughout its operational history was coal carbonization. Water gas and/or carbureted water gas were never produced at the plant. In 1845 and 1846, the Company purchased lots on Block 715 and built its first gas holders, enclosed in a brick warehouse-type structure along the south side of West 18th Street (identified as gas holders 6 and 7 on Figure 3). Also in 1845, the Company purchased the center section of former Block 666 (current day Tax Block 688), newly created by land filling, which allowed direct access to the river and a company pier. The Company used this area as a coal yard as well.

The purchase of more property at the eastern end of Block 689 in 1848 and 1849 allowed the MGP to expand its operations by constructing a new, detached purifying house at the northeastern corner of the block. This new purifying house implemented the dry-lime process. In 1852, the Company bought land at the eastern end of Block

690, directly to the north of the purifier house, and constructed its first pair of large, open gas holders (gas holders 4 and 5).

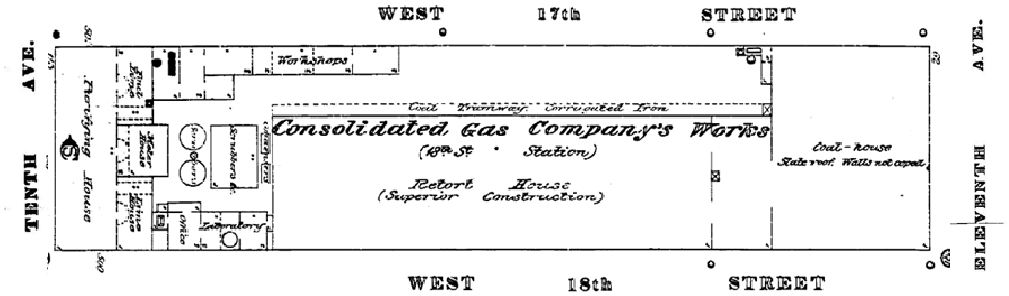
In 1852, the Company bought land at the eastern end of Block 690, directly to the north of the purifier house, and constructed its first pair of large, open gas holders.

By 1853, the West 18th Street MGP was producing 300,000,000 cubic feet of gas annually, more than any other plant in the United States. A high chimney for the retort house was one of the “modern improvements” added during this time period. The gas was produced using the coal carbonization method.

In 1858, the Company purchased the western two-thirds of Block 688 and the southern section of former Block 666. The Company erected four additional gas holders in the middle of Block 688 (identified as gas holders 8 through 11 on Figure 3) and used the western end of that block as a coal yard. The newly purchased part of former Block 666 was used for a lime yard.

In the late 1860s, the Company purchased additional property on Blocks 688 and 690, as well as its first lots on Block 691. The MGP was expanded to include several large coal yards on Blocks 688, 690 and 691; a pipe yard on Block 690; and another pair of large gas holders on Block 691 (identified as gas holders 2 and 3 on Figure 3).

By 1869 the retort house had been expanded to include six groups of 160 retorts each, for a total of 960 retorts. To the west of the retort house was a large coal house, where coal was stored after being unloaded from the adjacent waterfront pier, and prior to use in the retort house. A laboratory was located to the east of the retort house, along West 18th Street; a building containing condensers, scrubbers and washers was located south of the retort house. Along 10th Avenue, the purifying house had been expanded and stretched the entire width of the block. An engine and boiler house and a bank of workshops were located on the West 17th Street side of the block. The interior of the block was designated as a coke yard.



The West 18th Street MGP continued to operate through the final decades of the 19th century, although it did not acquire any additional property or change its configuration markedly during that period. In 1884, the Company joined with five other local gas companies to form the Consolidated Gas Company. Changes to the MGP included the installation of new coal handling equipment at the West 18th Street Works and, in the early 1890s, erection of a large gas holder (180 feet in diameter, built in three lifts of 45 feet each) at the western end of Block 691.

Sections 1.5.1, 1.5.2, 1.5.3 and 1.5.4 describe the construction and function of the former MGP structures located on site, as summarized from the Site Characterization and Site History reports (TRC 2006a and Parsons 2002, respectively).

1.5.1 Coal Storage

Anthracite coal was delivered by barge to the Hudson River waterfront piers and then by cart to the plant. The coal was stored in a “coal house” at the western end of Block 689, the eastern and western thirds of Block 688 and the central portion of Block 690 (Figure 3).

1.5.2 Retort House

The retort house was constructed of brick and consisted of a furnace supporting a series of clay retorts on brick benches. Each bench contained 15 retorts and there were 64 benches, for a total of 960 retorts. The retorts were heated by lighting fires below them, which in turn heated the coal inside the retorts in the absence of ambient air, releasing gas. The retort gas was passed through a series of processes to recover byproducts and impurities. Once the raw gas was driven from the coal, it was drawn from the retort and through a hydraulic main located on the roof of the retort house. The hydraulic main was sealed and contained water, which permitted steam, tar vapors and some ammonia compounds to settle out before continuing to the condensers.

1.5.3 Condensers and Scrubbers

From the hydraulic main, the gas traveled to the air condenser, located immediately east of the retort house. The air condenser cooled the gas by indirect contact cooling water to remove heavy tars and water vapor. Tar byproducts were siphoned off at this stage, for reuse or sale. The gas was then fed through a second, water-cooled condenser, located just east of the air condenser, to remove additional impurities. Next, the gas flowed through an exhauster situated south of the condensers, which blew the gas through the scrubber or washer (located east of the condensers) to remove ammonia and some sulfur. The scrubber was a cylindrical structure filled with coke (a solid carbonaceous material derived from destructive distillation of low-ash, low-sulfur bituminous coal). Materials in the scrubber were sprayed with water, and the water-soluble ammonia and sulfur impurities settled to the bottom of the chamber, where they were collected.

1.5.4 Purifiers

The final stage in the removal of impurities was the removal of sulfur. Sulfur was removed from the gas stream by the formation of calcium sulfate as the coal gas was passed through lime purifiers. The purifiers consisted of square tanks (located on the eastern side of Block 689) in which stacked trays containing damp, powdered lime, were situated. The gas was forced up from beneath the trays, in the process removing sulfurous compounds like hydrogen sulfide through reaction with the calcium in the lime.

1.5.5 Gas Holders

From the purifiers, the gas was metered and then passed into a storage holder, ready for distribution to the customers. Gas holders had several variations of design, and it is not completely known how the holders were constructed on the site. However, and as described further in Sections 2 and 4, during the SCS and RI, gas holders 3, 4, 5, 6, 7 and 10 were determined to have foundations constructed to depths up to 20 feet below grade. The remaining holders are presumed to have been constructed in a similar manner. Pertinent gas holder information is listed in the table below.

Gas Holder Designation	Location	Volume
Gas Holder 1	Underlying present day 11th Avenue (Route 9A)	Estimated to be 1 million cubic feet total
Gas Holder 2	Block 691, Lot 1	Estimated to be 250,000 cubic feet

Gas Holder Designation	Location	Volume
Gas Holder 3	Block 691, Lot 11	Estimated to be 250,000 cubic feet
Gas Holder 4	Block 690, Lot 29	Estimated to be 250,000 cubic feet
Gas Holder 5	Block 690, Lot 29	Estimated to be 250,000 cubic feet
Gas Holder 6	Block 715, Lot 59	205,000 cubic feet
Gas Holder 7	Block 715, Lot 59	205,000 cubic feet
Gas Holder 8	Underlying present day 11th Avenue (Route 9A)	250,000 cubic feet
Gas Holder 9	Block 688, Lots 1001, and 1002, and portion of present day 11th Avenue (Route 9A)	250,000 cubic feet
Gas Holder 10	Underlying present day 11th Avenue (Route 9A)	250,000 cubic feet
Gas Holder 11	Underlying present day 11th Avenue (Route 9A) and portion of Block 688, Lots 1001 and 1002	250,000 cubic feet

1.6 End of Operations Period

Large-scale operations at the West 18th Street Gas Works ceased in 1902-1903 when the City of New York acquired the western portions of Blocks 688, 689, 690 and 691 for the reconfiguration of 11th Avenue and the Hudson River waterfront (Parsons 2002). In this final realignment of the shoreline, a significant portion of the land reclaimed during the early 19th century was dredged. A new line of bulkheads was established to the east, at an intermediate position between the post-1830 shoreline and the post-1853 shoreline (Figure 3).

As a result of the waterfront reconfiguration, the western ends of Blocks 688, 689, 690 and 691, which formerly contained portions of the gas works, were truncated. Block 666 and 13th Avenue were eliminated completely. Many of the gas holders were sold between 1909 and 1914. The Consolidated Gas Company disposed of all of its former MGP properties near West 18th Street by the 1920s, marking the end of the MGP history for the site. In 1914 the remaining gas holders at the site, which were on Blocks 690 and 715, were razed.

1.7 Post-MGP Site History

By 1920, most of the former gas works properties had been sold off and redeveloped for other purposes. The following block-by-block post-MGP histories are summarized from the Site History Report (Parsons 2002):

- **Block 688 (former coal yard and portions of gas holders 9 and 11).** Consolidated Gas Company sold the entire block in 1916 to Merchants Refrigeration Company, who constructed a 10-story warehouse with a basement over the entire block. The refrigeration company occupied the building until 1982. Though somewhat modified, the 10-story building remains. Today the building is used as commercial offices, a private parking garage and a mini-storage facility.

- **Block 689 (former works area).** In 1917, the Consolidated Gas Company sold all of Block 689 to the New York State Realty and Terminal Company. Some of the former MGP buildings on the block were used for other purposes:

  - buildings along West 17th Street were designated a "Wood Pulp Doll Factory," lumber storage and a cooperage.

  - the property on the east end of this block along 10th Avenue was used by the United Electric Light and Power Company for cable and pipe storage.

  - the property in the interior of the block was used for box storage and the area of the former laboratory on the north central portion of the block along West 18th Street was used as a packing box factory and foundry.

  - a small store, constructed after the retort house was demolished, was located along 11th Avenue near the intersection of West 18th Street.

  The remaining MGP buildings on this block were razed circa 1932, when the New York Central Railroad Company purchased the property and constructed a rail yard. By 1950, the rail yard tracks had been paved over and the block was used as a parking lot.

  An overhead railroad viaduct (called the High Line) was constructed between 1929 and 1934, crossing from West 17th Street to West 18th Street, near the eastern end of the block. Operation of the High Line ceased in 1980. In 2009, the New York City Parks Department redeveloped the southern-most section of the High

Line, between Gansevoort Street to W. 23rd Street, as an overhead park for public use.

In the mid-1950s, an automobile service station and garage were built on this block along West 17th Street, near 11th Avenue. An underground storage tank (UST) used to store gasoline was installed in 1957. The station and garage were demolished in the 1980s. The status of the UST is not known.

Since 1960, the block has been owned by a series of realty companies and corporations who have used the block as a parking lot.

- **Block 690 (former storage yards and location of gas holders 4 and 5).** The Consolidated Gas Company owned nearly all of Block 690, specifically modern Tax Lots 12, 29, 42 and 54 and portions of Lots 20 and 40. All MGP structures were razed and the properties were sold between 1917 and 1923. As in Block 689, to the south, the High Line overhead railroad viaduct crosses the eastern end of Block 690, from West 18th Street to West 19th Street.

  The following is a summary of the redevelopment and uses of the lots after being sold by the Consolidated Gas Company:

  - Tax Lot 12 was used as a wagon yard until 1922, when a large garage (with numerous buried gasoline and diesel tanks), was built over nearly the entire lot. This structure stood in place until 2004 when the lot was purchased by the Interactive Corporation (IAC). The 10-story IAC office building was erected in 2006 and includes an underground garage with a maximum capacity of 76 vehicles.

  - In 1919, both a trucking garage and a parking lot were erected on Tax Lot 20, covering the southern half of this lot along West 18th Street. The garage and parking lot extended onto and covered the adjoining Lot 20 to the west; both the garage and the parking lot still exist in the original location. The lot contained buried underground petroleum storage tanks and associated pump islands. Information contained in an Environmental Data Resources, Inc. (EDR) Radius Map Report contained in the draft RI Report for Block 715 Lot 59 (ARCADIS 2009) indicated that at least six USTs were present on site. Three are listed as being closed in place; the remaining tanks are listed as closed by removal. The ARCADIS (2009) report also identifies one spill of petroleum that occurred in February 1996 and was caused by a “tank test

failure." Contaminated soils were discovered around the tanks and were excavated in June 1996. The spill file was closed in July 1996. A roller skating rink was built on the second floor of the garage in 1979, and was also used as a night club ("The Roxy"). The rink and night club were closed in March 2007 (New York Times 2007). The smaller northern portion of Tax Lot 20 along West 19th Street contained two row houses, built in the 1890s. The houses were razed for construction of a private garage, erected in 1947, and are still standing.

- Tax Lot 29 was used as a wagon yard after the gas holders were razed; it later became an automobile parking lot, and last, a filling station and truck parking lot bearing a capacity of up to 100 trucks. Two structures located on the southeast corner of the lot were built in the mid-1920s. The larger structure was originally a diner, but it was eventually used an office. Neither of these structures is present at the site. Currently this lot is used as a commercial parking lot with hydraulic lifts around its perimeter. The status of the tanks used to store petroleum fuel (e.g., gasoline and or diesel) for the filling station is not known.

- Tax Lot 40 originally contained two parcels. One was owned by the Consolidated Gas Company and used as a pipe yard. The second parcel was owned by other parties. This second parcel contained a shop, which later became an automobile repair facility. In 1923, the Huntoon Ice Company purchased both parcels of Lot 40, and, in 1929, constructed a warehouse for ice storage over the entire lot. In 1969, Eli Studios purchased the building and lot and used the former warehouse as a movie studio until 1987. At that time, a not-for-profit corporation converted it to an art gallery and exhibition space called The Kitchen.

- Tax Lot 42 was sold to the Huntoon Ice Company in 1922, which erected a two-story warehouse the following year. The building later was occupied by a spring water company. Subsequently, the building was used as office and warehouse space until 2005, when it was purchased by Bishop Court Realty, LLC (Bishop Court), demolished and developed as a multistory condominium building.

- Tax Lot 46 was never owned by the gas company, but was surrounded by the MGP property on all sides. Based upon historical information, Tax Lot 46 does not appear to have been used as part of the West 18th Gas Works operations.

The lot was used as a lumber yard during the MGP period, and by the 1920s, a two-story structure had been built, which is still standing. It housed a garage, a warehouse, a furniture repair shop and an art gallery. In 2007, the property was purchased by HEEA, LLC and the building was demolished and is currently being redeveloped as a 10-story condominium building and art gallery. Tax Lot 54, a tiny triangular parcel located at the corner of West 19th Street and 11th Avenue, contained a two-story hotel, which later burned. The lot was subsequently used as part of the truck towing and maintenance garage that was constructed on the adjoining parcel (Tax Lot 12). This structure stood in place until 2004 when this and the adjoining lot were purchased by IAC. The IAC building was erected in 2006. It is a 10-story office building, including an underground garage with a maximum capacity of 76 vehicles.

- **Block 691, Tax Lots 1 and 11 (A Portion of Former Gas Holder 1, and all of Gas Holders 2 and 3).** Modern Tax Lots 1 and 11 constitute the former gas company holdings on Block 691. After the gas holders were demolished, Tax Lot 1 contained a small office building at its northwest corner while the rest of the property was vacant and used as a "house wrecker's yard." The eastern portion of Tax Lot 11 was used for the Department of Street Cleaning's wagon yard. The American Red Cross had a structure along the 11th Avenue (aka, West Side Highway and Route 9A) side of the block during the 1920s, covering parts of Tax Lots 1 and 11.

  The American Red Cross building was razed and, in 1929, the YMCA of New York purchased Tax Lot 1. In 1931, the YMCA constructed an eight-story building (with basement) called the Seaman's Home, which provided room and board to sailors during the decades when Chelsea Piers was a place to dock ships. New York State bought the building in 1967 and turned it into a drug rehabilitation center, then a medium-security women's prison (Bayview Correctional Facility) in the 1970s.

  Tax Lot 11 was left vacant after demolition of the American Red Cross building. Subsequently, the lot was used as an automobile fueling station and public commercial parking lot. In 2006, three USTs that were used as for vehicle fueling were excavated and removed from the property. As of the writing of this report, a 21-story luxury residential condominium building is under construction on this lot.

- **Block 715, Tax Lot 59 (former remote gas holders 6 and 7).** Block 715, Lot 59 is entirely occupied by the two-story brick building, which formerly contained the

remote gas holders (6 and 7). The aboveground portions of the gas holders contained in the building structure were removed in 1914, and the building interior was retrofitted for use as a commercial garage and vehicle repair shop. The building has been occupied as a commercial garage and vehicle service center by a variety of tenants. Five 550-gallon gasoline tanks and one 4,000-gallon diesel fuel tank, associated with the former garage and auto repair facility, were removed or abandoned in place in 1993. This lot is owned by Retaco Holding Corporation and is leased as office space, equipment storage and vehicle parking.

- **Block 662 (portions of the Chelsea Piers along the Hudson River bulkhead).** The area defined as Block 662 encompasses part of the western-most portions of the former West 18th Street MGP. Most of the former parcels or portions of existing parcels that extended west beyond the present-day bulkhead were removed during the re-alignment of the bulkhead to its current location and are no longer present. The waterfront reconfiguration included constructing several piers (on pilings) extending from a bulkhead adjacent to 11th Avenue. The piers are currently used for recreation, as the Chelsea Piers Sports and Entertainment Center.

1.8 Current Land Use and Site Setting

Today, the area of the West 18th Street former gas works is used for commercial and residential purposes that include art galleries, office space, warehousing, trucking, parking lots, a correctional institution and high-rise apartments. The Chelsea Piers recreational facility is located just west of the site. The previous western portions of Blocks 688, 689, 690 and 691 are now occupied by 11th Avenue and Marginal Street, or were removed during waterfront modifications in the first decades of the twentieth century (Figure 3). From the 1930s to the 1970s, the 11th Avenue corridor supported the elevated Miller Highway. The highway was demolished, and today 11th Avenue is a multiple-lane, at-grade roadway separated by a wide median strip.

With the exception of the building that contained former gas holders 6 and 7 at Block 715, no aboveground remnants of MGP-related structures were observed during the RI or prior investigations.

Topography across the site slopes subtly from the east to west toward the Hudson River bulkhead. The surface elevation near the intersection of West 18th Street and 10th Avenue is approximately 12 feet above mean sea level (AMSL; North American Vertical Datum of 1988 [NAVD88]). The elevation near the intersection of West 18th Street and 11th Avenue (which is approximately 400 feet west of 11th Avenue) is

approximately 8 feet AMSL. Therefore, the elevation change across the site is approximately 4 feet.

1.9 Property Owners

Property ownership information is summarized in the following table.

Tax Block	Tax Lot	Property Owner
662	11, 16, 19	Chelsea Piers, LP
688	1001	Able Empire Group
688	1002	Manhattan Mini Storage
689	17	Edison Mini Storage Corp
690	46	HEEA Development, LLC
	54	HTRF Ventures, LLC
	12	HTRF Ventures, LLC
	20	Semantic Realty LLC
	29	Somatic Realty LLC
	40	519 West 19th LLC
	42	519 West 19th LLC
691	1	NYS Urban Development Corporation – DOC Bayview Prison
	11	11th Avenue B participation LLC
715	59	Retaco Holding Corp

2. Summary of Previous Work

This section summarizes previous environmental and geotechnical investigations, as well as remediation work, that were completed on the site or on discrete properties that comprise portions of the site. The investigation and remediation activities were performed by either Con Edison or by property owners and/or developers.

Publicly available reports prepared by Con Edison are attached in digital format in Appendix A. Note that several other reports have been prepared on behalf of property owners and are discussed in Section 2. In these cases, the summaries are paraphrased from the Site Characterization Report (TRC 2006a).

Summaries of the site-wide investigations performed on behalf of Con Edison are presented in Section 2.1, followed by the individual property investigation summaries in Section 2.2. As indicated below, certain parcels have also been remediated to facilitate property redevelopment. Remedial activities and interim remedial measures implemented at the site are presented and discussed in Section 3.

2.1 Site-Wide Reports

Site-wide investigations conducted at the Former West 18th Street Gas Works Site included the 2002 Site History Report by Parsons, and the Site Characterization Study Report completed by TCR in 2006. The findings presented in the Site History Report (Parsons, 2002) were summarized in Section 1.4 through 1.9 along with other documents referenced in Section 1.4. Accordingly, that information is not repeated here. However, pertinent information regarding site-specific information not previously described in Section 1 is presented below. These Parsons and TRC reports are summarized below.

2.1.1 Site History Report (Parsons 2002)

Parsons was contracted by Con Edison in 2002 to compile historical data of the site, in an effort to rank and prioritize the site for future investigation and/or management plans under the VCA between Con Edison and the NYSDEC. Specifically, Parsons gathered information from a variety of sources to present the current site setting, past and current ownership records, prior land usage, MGP operations, site geology and hydrogeology, possible historical waste materials (both on and off site), and sensitive receptors (public and environmental). Key conclusions drawn from this report included the following:

- Industrial activities were conducted in the vicinity of the site prior to operation of the former MGP.

- Based on a Phase II investigation conducted by Melick Tully and Associates, P.C., soil and groundwater from Block 689 were found to contain volatile organic compounds (VOCs), total petroleum hydrocarbons (TPH) and polycyclic aromatic hydrocarbons (PAHs) in concentrations that exceeded NYSDEC soil and groundwater criteria. Details regarding the Phase II investigation are provided in Section 2.3.1.

- Soil samples from the Route 9A reconstruction project revealed concentrations of lead; PAHs; benzene, toluene, ethylbenzene and xylene (BTEX); and cyanide. Samples were collected near the former extent of the MGP. The source of these analytes was not determined, but is likely reflective of the urban fill used to fill in the former near-shore area of the river to create the land.

- Information gathered from the EDR report revealed the potential for spills and leaks from off-site sources near the site. Twenty-three leaking underground storage tanks (LUSTs) were identified within ¼ mile of the site.

- Sensitive receptors identified at the site, as presented in the Site History Report, include the Hudson River, because of its proximity to the former MGP (less than 0.25 miles), and construction workers conducting intrusive work on the properties.

2.1.2 Site Characterization Study Report for the Former West 18th Street Gas Works (TRC 2006a)

In 2003, Con Edison prepared an SCS Work Plan (TRC 2004a) that was submitted to and approved by the NYSDEC. The SCS field activities were performed in accordance with the SCS Work Plan. Due to the numerous properties and tenants involved and difficult site access conditions (e.g., sidewalk closures), the SCS was conducted in a discontinuous manner from April 2004 through November 2005. Given the size of the study and numerous parcels comprising the site, the results of the report were divided into six areas, as follows:

Area 1	Block 715, Lot 59	Retaco Holding Parcel (Verizon building)
Area 2	Block 690, Lot 29	Cotard Realty
Area 3	Block 689	Edison Mini-Storage Parcel
Area 4	Block 688	Able Empire LP

Area 5	Block 691, Lots 1 and 11	West Chelsea Condominium and New York State Correctional Facility
Area 6	Portion of Block 662	Portion of Route 9A between West 16th Street and West 17th Street

The SCS included drilling 52 soil borings, installing 11 groundwater monitoring wells and excavating six exploratory test pits. From these, a total of 278 soil samples (including duplicates), 11 groundwater samples and three NAPL samples were collected and analyzed. Based on the SCS field observations and measurements and the analytical data, the following key findings and conclusions were listed:

- Four stratigraphic units overlying bedrock were identified: Urban Fill Unit, an Upper Sand Unit[1], a low-permeability Silty-Clay Unit and a Lower Sand Unit. Auger refusal, believed to be due to bedrock, occurred at depths ranging from approximately 45 feet below ground surface (bgs) in SB-07 to 86 feet bgs in SB-30 and SB24. Based upon depths to auger refusal, bedrock appears to dip from the northeast to the west/southwest. The Silty-Clay Unit is present and continuous beneath the majority of the former MGP site (i.e., west of 10th Avenue). Depth to the top of the Silty-Clay Unit ranged from approximately 20 feet bgs in the east portion of the site to approximately 41 feet bgs in the western portion of the site. As presented with the SCS Report cross-sections, the observed thickness for the Silty-Clay unit ranged from approximately 5 to 25 feet.

- The water table generally resides in the Urban Fill Unit at depths between approximately 5 and 11 feet bgs. The Lower Sand Unit is effectively isolated from the Urban Fill Unit by the low-permeability Silty-Clay Unit.

- Groundwater in the site vicinity generally flows from east to west toward the Hudson River.

- Impacted subsurface soil, where observed, was almost exclusively present in the Urban Fill and Upper Sand Units above the Silty-Clay Unit.

- The presence of former MGP-related structures were identified in the subsurface in the vicinity of the former gas works (Block 690 – retort house, scrubber and

[1] As described in Section 5 of this report, the Upper Sand Unit is now interpreted to be a sub unit of the Urban Fill Unit.

laboratory foundations), and gas holder areas (portions of Blocks 688, 691 and 715 – gas holder foundations).

- Physical evidence of both petroleum and MGP-related contamination was detected in subsurface soil in discrete portions in Areas 1, 2, 3, 4 and 5. Evidence of contamination included odors, staining, sheen, oil-like material (OLM), tar-like material (TLM), light non-aqueous phase liquid (LNAPL) and/or dense non-aqueous phase liquid (DNAPL). Where detected, MGP impacts were typically encountered in discrete bands within the 10-foot interval above the top of the low-permeability Silty-Clay Unit.

- Petroleum impacts detected at the site were not attributed to operations of the former MGP, but rather are due to operations of on-site USTs used to store petroleum or due to documented petroleum spills in adjacent and upgradient off-site areas.

- The concentrations of VOCs, total VOCs, semivolatile organic compounds (SVOCs), total SVOCs and several metals detected in subsurface soil exceeded their NYSDEC Recommended Soil Cleanup Objectives (SCOs) in all areas of the site. Some of the elevated VOCs and SVOCs and the majority, if not all, of the elevated metals concentrations are attributed to the ambient quality of the fill, and are not related to the former MGP operations.

- The concentrations of VOCs, SVOCs, two metals and total cyanide detected in shallow groundwater exceeded their NYSDEC ambient water quality standards or guidance values (AWQSGVs) at Block 715. In Blocks 689 and 691, only VOCs and SVOCs were detected at concentrations above their NYSDEC AWQSGVs. Only one metal and one VOC were detected at a concentration above their associated criteria or guidance values in Block 690. Groundwater data from the SCS area bounded by 10th Avenue and the Hudson River Bulkhead, and 16th and 17th Streets also indicated that only one metal and one VOC were detected at a concentration above their associated criteria or guidance values. In summary, groundwater quality was found to be affected by both MGP-related and non-MGP-related sources across the majority of the site. Groundwater in this area is not used for drinking water.

- With the exception of coal tar in monitoring well MW-24B, no MGP-related impacts were detected in the deep groundwater. Coal tar DNAPL was detected in groundwater monitoring well MW-24B (screened in the deep aquifer) prior to

groundwater sampling. It was concluded, however, that this occurrence was a discrete condition that resulted from the inefficient seal between the upper and lower aquifer during drilling of the soil boring for this well.

- Results of the qualitative exposure assessment showed that there are no potential risks of exposure to subsurface soil and groundwater under the current site conditions. Under the current site configuration, all surfaces at the former MGP site are covered by concrete, asphalt pavement or concrete building foundations. However, during maintenance, construction and/or utility work, exposure by direct contact of subsurface soil and or groundwater, and or by inhalation of vapors and/or airborne dust containing contaminants of interest, may be possible.

2.2 Property-Specific Reports

This section summarizes results of environmental investigations conducted by Con Edison and others on various properties comprising a portion of the site. This includes several Remedial Investigation Reports that were completed by Con Edison in advance of this site-wide report to support remedy selection for several tax lots that were redeveloped or are slated for redevelopment. Complete copies of these documents are provided on compact disc in Appendix A. Note that information regarding the geology and hydrogeology of the various properties investigated (e.g., geologic deposits beneath the properties and the depth to groundwater) is generally consistent with that described by TRC (2006a). For this reason, presentation of geological and hydrogeological information is limited to those findings that add to the understanding developed in the Site Characterization Report (TRC 2006a). Redundant information is not presented.

2.3 Block 689, Lot 17 – Edison Mini-Storage Lot

Several investigations have been conducted at this lot starting with the 1998 Melick Tully and Associates Phase I Environmental Assessment. The most recent reports issued for this parcel were the Remedial Investigation Report (BBL, an ARCADIS company, 2007) and the Draft Remedial Action Work Plan (ARCADIS BBL 2008). Reviewed reports are discussed below.

2.3.1 Phase I Environmental Assessment (Melick Tully and Associates, P.C. 1998a)

Melick Tully and Associates, P.C. (MTA), on behalf of Edison Properties, LLC, conducted a Phase I Environmental Site Assessment (ESA) of the property to identify

known or potential environmental liabilities. Phase I ESAs rely on review of available information and do not involve collecting and analyzing samples of environmental media. It was concluded in the Phase I ESA that the potential for environmental conditions existed at the property, due to its former use as an MGP, subsequent use as a rail yard and the potential for buried demolition debris.

2.3.2 Geotechnical Investigation and Limited Phase II Environmental Investigation (MTA 1998)

MTA conducted a Limited Phase II Environmental Site Investigation (ESI) to characterize the soil and groundwater anticipated to be encountered during future development of the property. Concurrently, MTA collected geotechnical data to support design of a planned shipping distribution center. MTA installed three temporary monitoring wells (MW-1 through MW-3) and drilled three soil borings on the property.

Six soil samples (one from each boring) and one groundwater sample from each monitoring well were collected. The soil samples were analyzed for ignitibility, corrosivity, reactivity and toxicity to determine whether or not the subsurface soil was hazardous as defined under the Resource Conservation and Recovery Act (RCRA). The groundwater samples were analyzed for polychlorinated biphenyls (PCBs), VOCs, SVOCs and metals. Field hydraulic conductivity tests (rising head) were also performed in each of the temporary monitoring wells.

The results of the Phase II ESI indicated that:

- None of the soil samples exhibited the characteristic of a RCRA hazardous waste.
- The groundwater samples collected from MW-2 and MW-3 contained several VOCs and SVOCs at concentrations above their associated NYSDEC AWQSGVs.
- Groundwater elevations indicated a relatively flat gradient at the property, with regional flow to the west or southwest.
- The hydraulic conductivity of the materials surrounding the three temporary monitoring wells ranged from 4×10^{-5} centimeters per second (cm/sec) to 5×10^{-4} cm/sec. Hydraulic conductivity data was calculated by performing several rising head field tests.

2.3.3 Soil Sample Summary and Result for Soil Safe Criteria (AKRF, Inc. 1999)

AKRF, Inc. (AKRF) sampled and analyzed soils at the property to evaluate whether the soils, once excavated, could be disposed of at the Soil Safe Disposal Facility in New Jersey. As part of the sampling program, 18 borings were drilled at the property and several discrete grab and composite soil samples were collected from each boring, both above and below the water table. Each soil sample was analyzed for one or more of the following:

- Toxicity characteristic leaching procedure (TCLP) for metals
- PCBs/pesticides
- VOCs
- TPHs

Results of the analyses are as follows:

- None of the 15 composite samples analyzed for TCLP metals exhibited the toxicity characteristic of a hazardous waste or contained PCBs/pesticides above the associated laboratory detection limit.
- Of the 66 composite samples analyzed for VOCs, eight contained VOCs at concentrations greater than the disposal facility acceptance criteria of 500 parts per million (ppm).
- Of the 139 composite samples analyzed for TPH, only one contained TPH at a concentration above the New Jersey 30,000 ppm threshold.

AKRF also completed a soil sampling program to evaluate whether the soils could be disposed of at the Clean Earth facility in New Jersey. Twelve borings were drilled on the property and several discrete and composite samples were collected from each boring, both above and below the water table. The samples were analyzed for TCLP and priority pollutants.

Results of the analyses are as follows:

- None of the 12 composite samples exhibited the toxicity characteristic of a hazardous waste.

- All of the 12 composite samples contained one or more priority pollutants above the New Jersey nonresidential direct contact soil cleanup criteria.

- One of the 12 discrete samples exhibited the characteristic of a hazardous waste due to benzene toxicity. The benzene concentration in the discrete sample was 22,000 micrograms per kilogram (µg/kg).

2.3.4 Interpretive Characterization of Analytical Results (Worldwide Geosciences, Inc. 2000)

Worldwide Geoscience, Inc. [Worldwide], on behalf of Edison Properties, LLC, performed an interpretive characterization of TPH results from 71 samples collected on the eastern portion of Block 689 to fingerprint the source materials contained in the soil samples. They concluded that 56 of the 58 interpretable chromatograms were similar to those for chromatograms for soil containing MGP residue.

2.3.5 Remedial Investigation Report, West 18th Street Former Gas Works, Tax Block 689, Lot 17 (BBL, an ARCADIS company, 2007a)

BBL, an ARCADIS company prepared an RI Report for the Edison Property (Edison Property RI Report) on behalf of Con Edison. The Edison Property RI Report was prepared in advance of the full RI report for the entire West 18th Street Former Gas Works Site, to expedite characterization of this parcel to support the owner's efforts to redevelop it. The objectives of the RI, as outlined in the RIWP (TRC 2006b), were to:

- delineate the horizontal and vertical extent of MGP-impacted soil and groundwater identified during the SCS

- determine if soil and/or groundwater conditions pose an acute health risk and if so, determine if these conditions warrant implementation of interim remedial measures

- provide sufficient data with which to develop a proposed site remediation strategy, if necessary

During the RI field investigation on the property, 21 soil borings were drilled and monitoring wells were installed in seven of the borings. Soil and groundwater samples

were collected and analyzed for VOCs, SVOCs, metals and total and amenable cyanide.

Key findings from the RI are listed below:

- Where present, TLM occurred primarily in the Fill Unit and Upper Sand Unit at depths ranging from 7.5 feet to 30.5 feet bgs. Where present, the majority of the TLM was detected within the 10-foot interval immediately above the top of the Silty-Clay Unit. TLM was not observed below the Silty-Clay Unit in deep soil borings.

- VOCs, which were predominantly BTEX, were generally detected at concentrations above the cleanup objectives presented in NYSDEC's Technical Administrative Guidance Memorandum Number 4046 (TAGM 4046) in soil samples that were collected from below the water table and that also exhibited field evidence of MGP-related impacts and elevated SVOC concentrations. VOCs were typically not detected at concentrations above the TAGM 4046 cleanup objectives in the near-surface soils (i.e., less than 4 feet bgs).

- SVOCs were detected throughout the soil column above the low-permeability Silty-Clay Unit. However, the highest concentrations were detected in samples that were collected from below the water table and that contained field evidence of MGP-related impacts. Shallow fill soil samples that contained SVOCs at concentrations above the TAGM 4046 cleanup objectives did not exhibit MGP-related impacts and generally contained no significant VOCs.

- Inorganics were detected in all soil samples and are generally attributed to the ambient soil quality of the historical fill material and the fact that inorganics are naturally occurring integral components of soils.

- The overall prevalence and relative concentrations of the SVOCs and inorganics detected in the upper soil horizons (e.g., Urban Fill Unit), and in those samples where no physical evidence of MGP impacts were observed, are consistent with SVOC and metals concentrations typically present in undifferentiated historical urban fill.

- The low-permeability asphalt pavement that covers the entire surface of the property acts as an effective barrier against direct contact and or exposure to the

underlying impacted soils, groundwater and or soil vapor by personnel on the property.

- Evidence of former pier structures (cribbing) was observed in borings located in the western section of the property.

- The RI objectives specific to the property were achieve during this investigation. Residual impacts observed during the RI will be addressed as part of the remedy for the property.

2.4 Block 690, Lot 12 – Georgetown 19th Street Development, LLC

This parcel was initially investigated by BBL in 2002. This parcel has been fully redeveloped since, and a remedial action report was issued in 2006 by Roux Associates, Inc. (Roux). Reports associated with this property are discussed in Sections 2.4.1.

2.4.1 Preliminary Site Investigation (BBL 2002)

The preliminary site investigation was performed in October 2002 by BBL to assess whether MGP and/or petroleum-related constituents were present in soil and groundwater at this property. The preliminary site investigation was conducted on behalf of Georgetown 19th Street Development, LLC (Georgetown) as part of the site-wide investigation of the Former West 18th Street Gas Works Site.

The preliminary site investigation included a regulatory record review and the collection of soil and groundwater samples. Specifically, eight soil samples and four groundwater samples were collected from eight borings. Samples were analyzed for VOCs and PAHs. The findings of this investigation are summarized below:

- Five 550-gallon tanks containing unleaded gasoline were closed and removed from the site in January 1992.

- NAPLs were not observed in any of the borings.

- Of the eight soil samples analyzed, two contained total VOC concentrations above 10 milligrams per kilogram (mg/kg) and one sample contained total PAH concentrations above 500 mg/kg.

- All groundwater samples analyzed, contained one or more BTEX compound(s) and/or styrene at concentrations above their respective AGWQSGVs.

- VOCs detected in the soil and groundwater samples were attributed to petroleum product (e.g. gasoline, kerosene), and MGP related by products (e.g. tars).

2.4.2 Phase II Site Investigation (BBL 2003a)

Based on the Phase I site investigation findings, a Phase II site investigation was performed by BBL to supplement the data collected during the preliminary investigation. The primary objectives of the Phase II site investigation were to delineate the horizontal and vertical extent of BTEX- and PAH-impacted soil, and to delineate the horizontal extent of BTEX and SVOCs in groundwater. Additional objectives for this investigation included determining the extent of the clayey silt layer, confirming the absence of NAPLs, evaluating the occurrence of other constituents not included in the preliminary investigation (e.g., TAL metals), evaluating groundwater flow and hydrogeologic properties, and collecting soil disposal data.

The Phase II site investigation entailed drilling 15 test borings (B-9 through B-20, A-1, A-2 and A-3) and installing groundwater monitoring wells (MW-10, MW-13, MW-14 and MW-19) in four of the borings.

The findings of the Phase II site investigation are summarized below:

- NAPL was observed at borings B-10 (6 to 10 feet), B-18 (23.5 to 26 feet), B-19 (26 feet), A-1 (23 feet), A-2 (22 to 24 feet) and A-3 (26 feet).

- Tar-like DNAPL was suspected to be present in all four monitoring wells, but could not be confirmed due to problems with the measuring device. A subsequent round of measurements identified tar-like DNAPL, measuring 0.44 feet in thickness, at MW-10. No measureable DNAPL was detected in the other wells at that time.

- The primary constituents detected in soil during the Phase II site investigation included BTEX and SVOCs. BTEX, PAHs and phenolic constituent concentrations above NYSDEC soil guidance values were detected in the materials overlying the clay layer. As in the preliminary investigation, the highest concentrations of PAHs were typically detected in the soil samples containing elevated concentrations of BTEX.

- All groundwater samples collected contained individual BTEX compounds and/or SVOCs at concentrations exceeding the NYSDEC AWQSGVs.

2.5 Block 690, Lot 46 – HEEA, LLC

This property was investigated by TRC in 2005 during the site-wide SCS activities. TRC's Site Characterization Report, including results for this parcel, is discussed above under Section 2.1.2. Other investigations conducted at this property are summarized below.

2.5.1 Report of Evaluation of Indoor Air, Soil Gas and Ambient Air Sampling (TRC 2005)

In response to reports of odors inside the building reportedly associated with remedial construction activities at the adjacent parcel (Block 690, Lot 12), a three-phase sampling program was developed by Con Edison in cooperation with the owners of the adjacent parcel and the NYSDEC and the New York State Department of Health (NYSDOH). The first phase, which entailed collecting and analyzing nine indoor air samples, three soil gas samples and four ambient air samples, was performed by TRC on behalf Con Edison. The intent of this sampling program was to evaluate the quality of indoor and ambient air and soil gas under a period of quiescence, when no construction activities were being performed on the adjacent parcel. Information and data from the program served to represent baseline air quality.

The subsequent phases of the investigation were designed to evaluate air and soil gas quality during normal operation of the building at the property and during a period when construction was occurring on the adjacent lot. These two phases were performed by ELM, the environmental consultant to the owner of the adjacent lot.

Air sample analytical results from Phase I site investigation were compared to NYSDOH 90th percentile of indoor air background air quality, as presented in the *Summary of Indoor and Outdoor Levels of Volatile Organic Compounds from Fuel Oil Heated Homes in New York State* (NYSDOH, 2005).

The findings of the Phase I air investigation are summarized below:

- Both MGP- and non-MGP-related VOCs were detected in indoor and outdoor air samples. The concentrations of VOCs detected in air were generally within the range of background concentrations. Elevated concentrations of several VOCs were detected only in the two air samples collected in the vicinity of a storage shed

used to store VOC-containing materials (e.g., paints, solvents, adhesives, varnishes).

- VOCs in soil gas were either not detected or were detected at low concentrations in indoor air.

- Cyclohexane was detected at very high concentrations in one soil gas sample. This VOC is not related to MGP residues and its source is not known. No or low concentrations of this compound were detected in indoor air.

Phases II and III of this sampling program were not representative of ambient conditions, rather they were conducted during intrusive construction activities (including the use of an air hammer) on the adjacent parcel and have no relevance to current site conditions. Therefore the findings of Phases II and III are not included in this report.

The complete findings of this investigation were submitted to the NYSDEC in May 2005 (TRC 2005). Soil gas sampling data are also presented in Section 1.5.3 of the TRC Site Characterization Report (TRC 2006a) which is included in Appendix A.

2.5.2 Summary Report of Site Remedial Investigation Results, 524 W. 19th St. (Block 690, Lot 46) West 18th Street Works Former MGP (ARCADIS 2006a)

The remedial investigation consisted of three separate field events. The first and third events were conducted by ARCADIS BBL, while the second event, a geotechnical investigation, was conducted by Langan. ARCADIS BBL observed the drilling activities of the second event to assess potential MGP-related impacts.

ARCADIS BBL performed the first event in January 2006, which consisted of drilling and sampling seven soil borings (SB-201 through SB-207). The target depth of the soil borings was to the Silty-Clay Unit; however, due to subsurface obstructions, only one of the seven soil borings (SB-203) reached the unit. Soil boring SB-203 was located in the eastern third of the property.

The second field event was conducted in April 2006 by Langan on behalf of the property's owner and in cooperation with Con Edison. The objectives of this field event were to obtain geotechnical properties of the subsurface soils, determine the depth to bedrock and provide additional information regarding the subsurface environmental conditions in the easternmost portion of the property. Langan drilled two geotechnical soil borings (designated by ARCADIS BBL as SB-208 and SB-209), while ARCADIS

BBL observed the work and collected environmental soil samples on behalf of Con Edison. The two soil borings were completed on the concrete ramp located on the east side of the property.

The third field event was completed by ARCADIS BBL in August 2006 and involved drilling four soil borings into the Silty-Clay Unit. Two of the soil borings (SB-210 and SB-211) were completed at new locations and two soil borings SB-212 and SB-213 were completed adjacent to previous soil borings SB-206 and SB-201, respectively.

Field observations and analytical results obtained during the RI are summarized below:

- Petroleum-like odors, staining, sheen and residual product were detected in fill material above and below the water table to depths ranging up to approximately 10 feet bgs. The presence of petroleum impacts in shallow soil and in the vicinity of the water table is consistent with the findings by others in the parcel (i.e., Lot 12) that borders the southern and western boundaries of the property. MGP-related impacts to subsurface soil, such as staining, odors, elevated PID measurements and residual TLM were detected at depths ranging from approximately 10 to 30 feet bgs. Where present, TLM occurs as thin (less than 1-foot-thick) lenses in the Urban Fill Unit and ranged in depth from approximately 9 feet bgs in soil boring SB-204 to 24 feet bgs in soil boring SB-206(212). The presence of MGP-related impacts in soil below the water table is consistent with the findings of the Phase II investigation completed at Tax Lot 12 adjacent to the west and south of the HEEA, LLC parcel.

- VOCs (predominantly BTEX) were detected at concentrations above the SCO in soil samples that were collected from below the water table and that also exhibited field evidence of MGP-related impacts and contained elevated SVOC concentrations. VOCs were typically not detected at concentrations above the SCO in the shallow subsurface soils (i.e., less than 10 feet bgs).

- Metals were detected in all subsurface soil samples and are generally attributed to the ambient soil quality of the urban fill material and the fact that metals are naturally occurring components of soils.

- The overall prevalence and relative concentrations of SVOCs and metals detected in the upper soil horizons and in deeper soils where no physical evidence of impacts were observed are consistent with SVOC and metals concentrations detected in undifferentiated urban fill.

- Although groundwater samples were not collected from beneath the property, it was anticipated that groundwater in contact with soil that exhibited petroleum and/or MGP impacts would contain dissolved VOCs and SVOCs.

- Based on the findings of the investigation, the soil at the property was recommended to be addressed as part of the remedial planning for the entire West 18th Street Gas Works Site.

2.6 Block 690, Lot 42

2.6.1 Summary Report of the Site Characterization Results (Con Edison 2005)

In an effort to streamline future site development plans, Con Edison provided the NYSDEC with a summary of TRC's site investigation activities on Block 690, Lot 42. The work conducted by TRC was completed as part of the ongoing Site Characterization Study for the West 18th Street Gas Works Site. The findings of the investigation are summarized in an October 21, 2005 letter from Con Edison to the NYSDEC titled *Summary Report of Site Characterization Study Results* and are provided below:

- TRC oversaw the completion of 4 soil borings (installed by direct push methods), which were advanced to depths ranging from 22 ft bgs to 31 ft bgs.

- Evidence of MGP residues including staining, odors, and low PID readings were detected in the upper four feet in three of the four soil borings.

- The concentrations of VOCs detected in subsurface samples collected were below their associated NYSDEC RSCOs.

- 12 SVOCs were detected at concentrations above their individual RSCOs in shallow soils (upper four feet). All of the elevated concentrations were attributed to the fill material that was used during the construction of the building, and not directly related to the former Gas Works Site.

- Six metals including arsenic, copper, lead, mercury, selenium, and zinc were detected at concentrations above their individual RSCOs. As described above, historical fill was used at the site during the building construction, and the presence of metals in shallow soils (upper 6 feet), was determined to be directly associated with the fill material, and not the former Gas Works Site.

- Total and amenable cyanide were detected in soil samples, but both forms of cyanide were considered to be low, as presented in TRC's Report. In addition, no RSCOs are established for total and amenable cyanide.

- Based on the information collected by TRC during the SCS, no impacts to soil at the property related to historical operations of the former MGP were identified. In keeping with these findings, NYSDEC issued a letter of No Further Action for this parcel on 12-2-2005.

2.6.2 Additional Soil and Groundwater Investigation Report and Remedial Action Plan (Roux 2005)

Roux completed a limited site investigation on behalf of the property owner in 2005 to supplement TRC's SCS, in support of future site development plans. The findings of the investigation are summarized in the October 21, 2005 letter from Con Edison to the NYSDEC referenced in Section 2.6.1 and are provided below:

- Roux drilled four borings to approximately 30 feet bgs.

- No significant physical evidence of impacts (i.e., staining, sheen, NAPL) was detected in subsurface soils.

- The concentrations of VOCs, pesticides or PCBs detected were below the NYSDEC SCOs.

- Several PAHs were detected at concentrations that exceeded their respective SCOs in samples collected from the upper 10 feet. The source of the PAHs in these soil samples was attributed to the urban/historical fill that comprised the shallow soils.

- Groundwater samples were collected during the investigation and analytical results revealed benzene concentrations above the NYSDEC AWQSGVs in all samples. No SVOCS, metals, pesticides or PCBs were detected at concentrations exceeding their AWQSGVs.

Based on the information collected by Roux during the limited site investigation, and by TRC during the SCS, no impacts to soil and or groundwater at the property related to

historical operations of the former MGP were identified. In keeping with these findings, NYSDEC issued a letter of No Further Action for this parcel on 12-2-2005.

2.7 Block 715, Lot 59

Langan conducted a Phase I ESA at this parcel in 2000, which was followed by several investigations conducted by EnviroTrac on behalf of the property owner, Retaco Holding Corporation. ARCADIS conducted an RI of this parcel on behalf of Con Edison and submitted a draft report to the NYSDEC in 2009. Reports of previous investigations are further discussed below. Reports prepared on behalf of Con Edison, including the draft RI, are included in Appendix A.

2.7.1 2000 – Phase I Environmental Site Assessment

Langan completed a Phase I ESA of the property in 2000. The report for this investigation is not available; however, the findings were later summarized in the *Subsurface Investigation Report Former Parking Garage 438 W. 18th Street New York New York NYSDEC # 01-03363* (Subsurface Investigation Report; EnviroTrac 2001). During the Phase I ESA, Langan identified five areas of concern, including six former USTs, a former hydraulic lift system, floor drains, previous property use and asbestos-containing insulation.

2.7.2 2001 – Property Renovation and Construction

In 2001, EnviroTrac observed and documented excavation activities (through the foundation slab) that were conducted, under the direction of Tishman Interiors. The following activities and observations were noted by EnviroTrac and are discussed in the Subsurface Investigation Report (EnviroTrac 2001):

- During construction activities, EnviroTrac noted a rectangular excavation area, measuring approximately 20 feet by 17 feet wide and 6 feet deep, located along the north side of the property near the current elevator shaft. Trenches to accommodate future drainage pipes were also excavated throughout the first floor of the property. Trenches measured approximately 3 feet wide and 1 to 4 feet deep.

- EnviroTrac noted the presence of conduits and pipes protruding into the south end of the excavation, approximately 1 to 3 feet below the garage floor.

- On June 28, 2001, EnviroTrac (on behalf of Verizon) identified petroleum-impacted soil during renovation and construction activities at the property. As a result, Verizon contacted the NYSDEC Spill Hotline. The NYSDEC assigned spill number 01-03363 to this release.

- Photoionization detector (PID) readings taken by EnviroTrac along the excavation walls ranged from 33 ppm to 403 ppm. A PID reading of 634 ppm was observed in one of the trenches. The specific location of this reading was not documented in the report by EnviroTrac.

- Based on the PID readings, EnviroTrac collected five soil grab samples for laboratory analysis of VOCs and SVOCs. Two grab samples (G-1 and G-2) were collected from within the excavation and three grab samples (G-3, G-4 and G-5) were collected within the trenches. In addition, one groundwater sample was collected from the base of the excavation for VOC and hydrocarbon fingerprint analysis.

- The highest total VOC concentration in soil (34,481 µg/kg) was detected in grab soil sample G-1, located at the base of the excavation. VOCs were also detected in grab soil samples G-3 and G-4. SVOCs were detected in each soil sample. The levels of several VOCs and SVOCS in these three samples exceed their respective Spill Technology and Remediation Series (STARS) criteria (NYSDEC 1992). Methyl tert-butyl ether (MTBE), a gasoline additive, was detected in grab soil sample G-3, but did not exceed its STARS criterion.

- Fingerprint analysis of the groundwater indicated a match with gasoline.

- On July 12, 2001, EnviroTrac removed and disposed of 85.25 tons of nonhazardous petroleum-impacted soil from the excavation area and trenches. Soil was disposed of at the Soil Remediation of Philadelphia Facility located in Philadelphia, Pennsylvania.

- Confirmation samples outside of the excavated areas were not collected.

2.7.3 2001 – Subsurface Site Investigation

In August 2001, EnviroTrac was retained by Retaco to conduct a subsurface investigation at the property. Results of the subsurface site investigation are

presented in the Subsurface Investigation Report (EnviroTrac 2001) and summarized below:

- The objective of the investigation activities was to delineate the petroleum-contaminated soil and groundwater at the property.

- A GeoProbe® drill rig was used to advance 12 soil borings. All soil borings were advanced to a depth of 8 feet bgs except B-1, which is reported to have been drilled to a depth of 12 feet based on the summary log provided in Enviro Trac's 2001 report. One soil and one groundwater sample were collected and analyzed for VOCs and SVOCs from each soil boring. Note that, although the Enviro Trac (2001) report indicates that the groundwater samples were collected at depths ranging from 8 to 14 feet bgs, none of the borings appear to have been drilled to more than 12 feet bgs.

- Shallow subsurface soil samples collected from the urban fill contained PAHs at concentrations typical of urban fill.

- Sample analytical results showed that VOCs and SVOCs in soil were detected above NYSDEC TAGM 4046 SCOs in nine of the 12 borings. Total VOC concentrations ranged from non-detect in sample B-12 (8 feet bgs) to 235,000 µg/kg in sample B-6 (8 feet bgs).

- MTBE was detected in two soil samples: B-5 at 8 feet bgs and B-7 at 8 feet bgs, at 138 µg/kg and 9.7 µg/kg, respectively. The sample at B-5 exceeded the relevant STARS criterion for MTBE of 120 µg/kg (NYSDEC 1992). Groundwater analytical results indicated that VOCs in all samples exceeded their respective Ambient Water Quality Standard (AWQS; NYSDEC 1998).

- Total VOC concentrations in groundwater ranged from 27.8 micrograms per liter (µg/L) in B-1[2] (14 feet bgs) to 117,396 µg/L in B-12[3] (12 feet bgs). The BTEX

[2] Enviro Trac's 2001 report indicates that the groundwater sample collected from SB-1 was collected from a depth of 14 feet bgs; however the associated soil boring log indicates the Geoprobe™ was advanced to 12 feet bgs.

compounds, along with isoproylbenzene, 1,3,5-trimethylbenzene, n-propylbenzene, 1,2,4-trimethylbenzene, and MTBE were the predominant VOCs and were found in eight of the 11 samples collected.

- MTBE was detected in each groundwater sample, with concentrations ranging from 23 µg/L in B-1 (14 feet bgs) to 2,205 µg/L in B-12 (12 feet bgs) [4].

- EnviroTrac recommended additional soil and groundwater sampling to delineate the extent of soil impacts for remedial design.

- An additional 60 cubic yards (cy; estimated 90 tons) of petroleum-impacted soil were excavated from the property in August and September 2001[5]. The impacted soil was disposed of at AB Oil Service by National Waste Disposal Corporation.

2.7.4 2001 - Monitoring Well Installation

In December 2001, EnviroTrac installed 10 monitoring wells at the property on behalf of Retaco. In response to requests from Con Edison, EnviroTrac stated that monitoring well construction details were not available; however, well gauging conducted in 2008 indicated that wells were completed to depths from 13 feet to 15 feet bgs and were likely screened across the water table. Water levels and product thickness gauging was completed on January 10, 2002; January 18, 2002; and March 6, 2002. Groundwater grab samples were collected on January 18, 2002 and March 6, 2002. Results of the groundwater sampling and monitoring are provided in the *Update Report December 2001 through January 2002 Retaco Holding Corporation 438 West 18th Street New York, NY* (EnviroTrac 2002), and summarized below:

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[3] Enviro Trac's 2001 report indicates that the groundwater sample collected from SB-12 was collected from a depth of 12 feet bgs; however, the associated soil boring log indicates the GeoProbe was advanced to 8 feet bgs.

[4] Refer to footnotes 3 and 4 regarding discrepancy of boring depth vs. groundwater depth.

[5] EnviroTrac (2001) does not mention post-excavation sampling.

- The water table depth ranged from approximately 4 to 12 feet bgs (equivalent to approximately 0.7 to 8.2 feet regional mean sea level (RMSL), based a revised survey completed for Con Edison in 2007. Water level elevations are referenced to the North American Vertical Datum of 1988 (NAVD 1988).

- LNAPL was detected in MW-8 during each round of gauging. The LNAPL thickness increased from 0.01 foot on January 10, 2002 to 0.12 foot on March 6, 2002.

- The highest total VOC and total SVOC concentrations were detected in MW-8 (54,931 µg/L and 5,624,770 µg/L, respectively).

- MTBE was detected at least once in each monitoring well. Detected MTBE concentrations ranged from 24.3 µg/L in MW-7 to 1,980 µg/L in MW-4.

2.7.5 2002 - Fingerprint Analysis

In October 2002, EnviroTrac collected and submitted one NAPL sample from MW-8 to Worldwide for fingerprint analysis. Worldwide concluded that the sample represented a residual 15 percent fraction of unleaded gasoline (Worldwide 2003). Worldwide also concluded the following:

> *"If coal tar derived, the hydrocarbon assemblage dissolved in this water sample would be dominated by naphthalene, methyl naphthalenes, and heavier unsubstituted polynuclear aromatic hydrocarbons. This is not the case. The naphthalene and methylnaphthalene peaks are minor peaks. The chromatographic signature shows no heavier polynuclear aromatic peaks, which would elute beyond or to the right, of the methylnaphthalene peaks. There is no indication of a coal tar contribution to the MW-8 sample."*

2.7.6 2004 - Groundwater Sampling

EnviroTrac collected groundwater samples from each of the monitoring wells in January 2004. Samples were submitted to South Mall Analytical Labs, Inc. of Plainview, NY for VOC analysis. A review of the analytical reports indicates that VOCs (including MTBE) were detected in groundwater samples collected from each of the wells sampled. MTBE concentrations ranged from 105 µg/L in MW-1 to 543 µg/L in MW-5.

2.7.7 2005 - Monitoring Well Installation

In February 2005, EnviroTrac installed three additional monitoring wells (MW-11, MW-12 and MW-13) at the property on behalf of Retaco. Wells MW-11 and MW-12 are located on the sidewalk adjacent to the property and MW-13 is located on the north side of West 18th Street across from the property. Each well is screened across the water table. Note that at the time of the RI, MW-13 was not accessible due to ongoing construction activities across from the property (Tax Block 716, Lot 9).

Results of the monitoring well installation and groundwater sampling are provided in the Subsurface Investigation Report (EnviroTrac 2005) and summarized below:

- Groundwater samples were collected from MW-8, MW-11, MW-12 and MW-13 and submitted for VOC and SVOC analysis. VOCs, including MTBE, were detected in MW-8, MW-11 and MW-13. Only MTBE was detected in MW-13.

- Naphthalene was the only PAH detected in the monitoring wells sampled.

- The water table depth ranged from approximately 6 to 13 feet bgs (equivalent to approximately 0.5 to 7.1 feet RMSL, based on a revised survey completed for Con Edison in 2007). Groundwater gauging indicated no measureable "product" in any of the wells.

- MW-6 was not sampled because it had been previously abandoned. The well was reported to have periodically overflowed. This phenomenon is interpreted to reflect an efficient connection to a leaking drain pipe, which the drill rig may have nicked during installation. It is noted that of the wells installed at the property, MW-6 is the only one known to have overflowed, though all wells installed by EnviroTrac were similarly screened across the water table.

- EnviroTrac concluded "…*that off-site sources are responsible for the groundwater contamination beneath the site*."

- The EnviroTrac (2001) report provides the first mention (among previously submitted reports) that the property was formerly part of an MGP.

EnviroTrac submitted the Subsurface Investigation Report to the NYSDEC Region 2 for review and comment on April 1, 2005 (EnviroTrac 2005). The NYSDEC's response comments were provided in a letter dated May 26, 2005, and is summarized below:

- The NYSDEC disagrees with EnviroTrac's conclusion regarding the source of contamination being from off site and not from beneath the site.

- The NYSDEC believes that the wells with the greatest groundwater impacts (MW-8 and MW-11) are located downgradient of the former USTs.

- The NYSDEC concluded "*that the subject spill is the result of petroleum contamination associated with the five 550-gallon USTs and one 4000-gallon diesel UST at the site – and not the result of the MGP process"* (NYSDEC 2005).

2.7.8 2007 - Groundwater Sampling

EnviroTrac collected groundwater samples from MW-1 through MW-5 and MW-7 through MW-12 in March 2007 on behalf of Retaco. Samples were submitted to EcoTest Laboratories, Inc. of Babylon, NY for VOC and SVOC analysis. Results of the groundwater sampling are provided in the *Status Report Former Parking Garage 438 West 18th Street New York, New York NYSDEC # 01-03363* (EnviroTrac 2007), and are summarized below:

- Elevated concentrations of VOCs and SVOCs were detected in each well that was sampled.

- MTBE was detected in MW-1 through MW-5 and MW-10 through MW-12 at concentrations ranging from 18 µg/L in MW-4 to 390 µg/L in MW-11. While there is no NYSDEC AWQS for MTBE, there is a NYSDEC guidance value of 10 µg/L (NYSDEC 1998).

- Note that MTBE was not detected in MW-8 or MW-9; however, the detection limit for MTBE for these samples was 500 µg/L due to the elevated concentrations of other VOCs, including BTEX, isopropylbenzene, n-propylbenzene, 1,3,5,-trimethylbenzene, 1,2,4,-trimethylbenzene, sec-butylbenzene and naphthalene that were present in the samples.

- PAHs were detected in each groundwater sample. Except for naphthalene and 2-methylnaphthalene, the concentration of detected PAH compounds was less than or equal to 10 µg/L.

- "Free product" was not detected in any of the monitoring wells.

2.7.9 Status Report (EnviroTrac 2007)

The Status Report provided the results of an additional round of groundwater sampling conducted by EnviroTrac, and updated EnviroTrac's conceptual site model. The model was updated based on the new groundwater data and information contained in the Site Characterization Report (TRC 2006a), which Con Edison provided to the property owner, Retaco and EnviroTrac. Groundwater samples were collected from 11 of the 13 monitoring wells that EnviroTrac had installed previously. Samples were not collected from MW-6 because it had been abandoned (according to verbal information provided by EnviroTrac to Con Edison) or from MW-13, which could not be accessed due to off-site construction activities. Key findings are summarized below:

- Each groundwater sample contained elevated concentrations of VOCs and SVOCs. Notably, the concentration of benzene exceeded its AWQSGV in every sample.

- MTBE was detected in all but the two most heavily impacted samples, where the detection limit for MTBE was high (500 µg/L) due to high concentrations of other gasoline-related compounds contained in the samples. The detected concentrations in all of the groundwater samples exceeded the NYSDEC AWQSGV for MTBE of 10 µg/L.

- The only PAHs that exceeded their respective AWQSGVs were naphthalene (MW-8, MW-9, MW-11 and MW-12) and 2-methylnaphthalene (MW-8 and MW-9). These two compounds are typically found in gasoline, diesel fuel and coal tar.

- Neither LNAPL nor DNAPL was detected in any of the monitoring wells.

2.7.10 Remedial Investigation Report, West 18th Street, Former Gas Works, Block 715, Lot 59 (ARCADIS 2009)

ARCADIS completed additional investigations of Block 715, Lot 59 on behalf of Con Edison as part of the site-wide remedial investigation. The RI activities were performed in accordance with the VCA between Con Edison and the NYSDEC, and as described in the RIWP (TRC 2006b). ARCADIS conducted the majority of the RI activities between August and December 2008. An EnviroTrac project manager observed the field work on behalf of the property owner. The draft RI Report (ARCADIS 2009) was completed in advance of the site-wide RI to support pending remediation decisions related to the open petroleum spill (NYSDEC Region 2 Spill No. 01-03363) and to

evaluate the potential influence of residual MGP impacts on subsurface soils located below the water table (on the property). The objectives of the RI were to:

- Delineate the horizontal and vertical extent of MGP-impacted soil and groundwater identified during the SCS.
- Determine if soil and/or groundwater conditions pose an acute health risk and if so, whether the conditions warrant implementation of interim remedial measures.
- Provide sufficient data with which to develop a proposed site remediation strategy, if necessary.

A secondary objective was to evaluate the occurrence of residual petroleum impacts related to the presence of USTs on the property in both soil and groundwater.

The project objectives were achieved primarily by drilling four soil borings and installing nine monitoring wells in three 3-well clusters. Soil and groundwater samples were analyzed for the presence of site-related constituents. A subset of samples also underwent detailed forensic evaluation to ascertain the probable source of detected constituents (i.e., MPG-source or petroleum source). Other investigation activities included multiple rounds of water-level gauging, and an evaluation of water-level fluctuations using data-logging pressure transducers.

The principal findings and conclusions pertaining subsurface environmental quality are listed below.

2.7.10.1 Findings

- The subsurface consisted of fill extending to approximately 20 feet bgs (23 feet relative to the building floor) overlying silty clay and sand. The silty clay, observed in borings completed previously in the western part of the property (TRC 2006a), was not encountered to a depth of 43 feet below the interior floor at a location near the center-north of the property (SB-C).
- The foundations of former gas holders 6 and 7 remain in the subsurface underlying the building that occupies the entire property. The holder bottoms were identified at approximately 21 feet below the interior floor.

- Outside of the holder foundations, water levels average approximately 13 feet bgs (0.2 feet AMSL). Water levels inside the holders are consistently shallower (averaging approximately 9 feet bgs [4 feet AMSL] between 2002 and 2008).

- Water levels varied significantly between 2002 and 2008 (the period for which gauging data existed, ranging by as much as 8.5 feet inside the holders and 4.5 feet outside the holders.

- Visual and olfactory evidence of petroleum impacts was widespread in the vadose zone soil and in shallow groundwater. Observable indications of MGP-related impacts were found infrequently, and only in fill near the base of the holders inside their foundations. Coal-tar OLM was observed in one location inside holder 7 (SB-4).

- Measurable thicknesses of petroleum-related LNAPL were observed periodically at two water table wells located outside the holder foundations. Coal-tar-related DNAPL was not observed in any completed wells.

- Detections of BTEX and PAHs occurred in both soil and groundwater samples collected throughout the property, with the highest concentrations correlating with observed indications of both petroleum and coal-tar impacts. The gasoline additive MTBE was detected in groundwater samples from all but one monitoring well, reflecting the distribution of petroleum impacts throughout the fill in a “smear zone” created by the fluctuating water table.

- Forensic interpretation of the laboratory analytical results indicated that:

    - Inside the holders, samples show stratification of impacts: petroleum shallow, an intermediate zone of mixed sources and a deeper zone predominantly impacted by MGP residuals.

    - Gasoline/petroleum impacts are present in shallow groundwater inside and outside the former gas holders.

    - Significant MGP-sourced impacts have not been observed outside the holders.

2.7.10.2 Conclusions

- Impacts to the vadose zone and shallow groundwater are primarily limited to petroleum-related sources that are unrelated to the former MGP. Large fluctuations in the water table appear to have produced a large smear zone of petroleum impacts.

- The extent of coal tar NAPL is limited to isolated residual pockets located in the base of the holder foundations (approximately 22 ft bgs). MGP residuals on the property have only a localized effect on groundwater quality in the deeper portions of the water table aquifer (i.e., near the bases of the holders).

- Former USTs located inside the eastern gas holder 6 foundation are a probable source of the petroleum hydrocarbons observed in soil and shallow groundwater. Based on the distribution of petroleum impacts, other unidentified LUSTs are suspected, inside gas holder 7 and/or outside of the holder foundations.

- Movement of water into or out of the holders is expected to occur through a few discrete breaches in the holder walls, rather than uniformly through the holder walls in a radial distribution. Leaking utilities, such as water lines and roof drains, are the most likely source of periodic recharge to the holders. Groundwater typically flows outward from holders, but may periodically reverse during high-water periods.

- There is no evidence of a hydraulic connection that would permit groundwater to flow from one holder to the other.

- Based on the current configuration of the site and the findings discussed herein, MGP-related impacts pose no meaningful exposure risk to people; therefore, remedial measures for MGP-related impacts are not warranted.

2.8 Block 691, Lot 11

As presented on Figure 4, this parcel has been fully remediated, redeveloped, and a remedial action report was issued in August 2009 by Roux Associates, Inc. (Roux). Reports associated with this property are discussed in Sections 2.8.1.

2.8.1 Phase II Subsurface Investigation Report (Roux 2005)

Although ARCADIS was not provided with a copy of this report, the results were summarized in the Supplemental Investigation Report completed by Roux Associates in 2006. During the 2005 investigation, impacted soil believed to be related to the former Gas Works Site were encountered in deep intervals (25 to 27.5 ft bls) from two soil borings (SB-5 and SB-36) located within the perimeter of the former gas holder. Evidence to support Roux's conclusion were elevated concentrations of VOCs and SVOCs, and minor evidence of MGP residuals detected at a third boring (SB-33) in the center of the holder. During the investigation, Roux determined that the depth of the holder bottom was estimated to be approximately 23 to 25 ft bls based on drilling observations. Roux describes that in addition to the environmental work completed during the Con Ed SCS, and Roux Phase II, Langan Engineering, Inc. completed 5 borings within the holder as part of a geophysical evaluation of the subsurface soils. No environmental samples were submitted during the geophysical evaluation, but the boring information suggested that the base of the gas holders were potentially intact and constructed of brick and mortar underlain by wood timbers. The borings also confirmed that the holder was constructed on low permeable silty clay unit.

2.8.2 Supplemental Investigation Report (Roux 2006)

In order to further evaluate the presence of MGP residuals observed in the holder during the previous investigation (Phase II), Roux initiated the supplemental investigation that was outlined in the NYSDEC approved work plan dated April 17, 2006. A total of seven soil borings (SB-6 through SB-12) were advanced to 46 ft, with the exception of SB-8 which was advanced to 36 ft, using rotary sonic drilling techniques. Per NYSDEC approval, no environmental samples were collected during the investigation.

The results of the supplemental investigation were consistent with previous investigations performed at the site. No evidence of gross MGP impacts were observed, however small globules of viscous tar-like material were identified in one boring (SB-12 from 22 to 23 ft bgs). No impacts were noted below the holder bottom. The base of the gas holder was determined to be at depths ranging from approximately 23 to 26 feet bls. The holder bottom was determined to be approximately 1.5 to 2.5 feet thick, and constructed of rock and mortar underlain by a layer of wood timbers. In four borings (SB-7, SB-8, SB-10, and SB-12), an apparent sealant, or water proofing agent was observed on top of the mortar and rock holder foundation. The material was

described as a 0.25 inch thick fabric which was coated with asphalt or tar and embedded with clean pea sized gravel.

Based on the Supplemental Investigation results, Roux concluded that excavated material from the site would be limited to the upper 13 ft bls, which correlates to the proposed depth of the building foundation. Roux's conclusion was based on the limited MGP impacts observed, specifically the absence of mobile DNAPL, a proposed barrier wall, presence of the low permeable unit beneath the site, and the significant construction risks from a deep excavation (e.g. odors and other impacts).

2.9 Block 691, Lot 1

2.9.1 Report of the Evaluation of Indoor Air, Sub-Slab Soil Gas and Ambient Air Sampling Program, TRC, 2005

The evaluation of indoor air, sub-slab soil gas and ambient air sampling was completed by TRC in September of 2005 as part of the site characterization study field investigation. The work was performed to evaluate the indoor air quality and potential for sub-slab gas that may have been associated with the West 18th Street Gas Works Site to migrate into the building basement and influence indoor air quality. The primary objectives were to determine:

- If volatile organic compounds (VOCs) were present in soil gas beneath the foundation clay of the building
- If any VOCs detected in the sub-slab soil gas originated from the subsurface residues related to the holders that were used during the operation of the former MGP
- If any VOCs detected in the sub-slab soil gas are migrating into the building and are compromising the air quality of air inside the building
- Whether additional activities are required based on the results of the indoor air quality in the building

VOC data was compared to NYSDOH published background concentrations and was concluded that the concentrations found in the basement were typical for indoor air. Furthermore, TRC concluded that although VOCs were detected above background levels for residential indoor air, the concentrations are well below published levels that

would be considered an exposure risk. TRC did not recommend any further assessment of the sub-slab soil gas.

2.10 Route 9A

The first known subsurface investigation in the area of the Former West 18th Street Gas Works Site was conducted by AKRF in 1994, as part of the Route 9A Reconstruction Project. The findings presented in AKRF's report are discussed below.

2.10.1 Route 9A Reconstruction Project Phases 1A and 1B (AKRF et al. 1994)

The western end of the West 18th Street Gas Works was sampled by AKRF as part of the Route 9A reconstruction project (AKRF et al., 1994). Results of this sampling were summarized in the Site Characterization Report (TRC 2006a). Six test borings were drilled between the former MGP and the Hudson River bulkhead, three during Phase 1A and three during Phase 1B of the New York State Department of Transportation (NYSDOT) Route 9A reconstruction project. One monitoring well was installed two blocks south of the Former West 18th Street Gas Works Site and a third well was installed approximately two blocks north of the site. Although these locations were distal to the site, they provide useful information regarding the overall soil and groundwater quality within the Route 9A corridor in the Chelsea area of Manhattan. Analytical results for samples collected from these locations indicated the following:

2.10.1.1 Soil

Heavy metals and PAHs were detected in most soil samples at concentrations below Extraction Procedure (EP) toxicity criteria. Lead was detected in site soils below the EP toxicity criteria and below NYSDEC SCOs. VOCs, cyanide and TPH were detected sporadically at low concentrations in limited areas of the site.

These results seem consistent with subsurface fill quality at the site and in historical urban areas.

2.10.1.2 Groundwater

The groundwater sample collected from the monitoring well located mid-block along West 16th Street contained BTEX and PAHs at concentrations of 1 milligram per liter (mg/L) and 0.063 mg/L, respectively. One additional groundwater sample collected from a monitoring well located two blocks south of the site also contained BTEX and PAHs (132 mg/L and 63 mg/L, respectively). This sample also contained numerous metals. These analytical results demonstrate that BTEX, PAHs and metals are present in surrounding shallow groundwater that is unaffected by the former MGP.

3. Summary of NYSDEC-Approved Remedial Actions

This section summarizes the remedial actions that have been proposed and approved by NYSDEC at various parcels within the boundaries of the former MGP. With the exception of the remedial actions proposed for the property located at Block 689, Lot 17 (Edison Properties), the NYSDEC-approved remedial actions have been/or are being (as of December 2009) implemented and are described herein. The property-specific remedial actions were proposed (and in certain cases performed) in advance of the rest of the site activities because:

1) Soil and/or groundwater was determined to have been impacted by MGP residues

2) The respective sites were being redeveloped and thus remediation could be implemented as part of the redevelopment construction activities

The remedial actions at each of the parcels that have been remediated and redeveloped, in general consisted of excavating impacted soils (as needed, to allow for redevelopment), installation of a perimeter barrier wall to surround and contain impacted soils that would not be excavated and thus would remain in place, and installation of a vapor barrier to mitigate vapor migration through the building foundation. The impacted soils that were left in place are not discussed in subsequent sections of this report because they have been isolated from moving groundwater and are contained within an engineered barrier.

3.1 Alternatives Analysis Report, West 18th Street Former Gas Works, Tax Block 689, Lot 17 (ARCADIS 2007b)

Following the completion of the RI, ARCADIS prepared an Alternatives Analysis Report (AAR) for Block 689, Lot 17on behalf of Con Edison.

The purpose of the AAR was to identify and evaluate remedial alternatives and recommend a remedial alternative that satisfies the remedial action objectives (RAOs) established for the parcel. The RAOs were identified in the AAR, and addressed impacted soil and groundwater. Specific RAOs for property soils were to:

- minimize potential risks to current and future property occupants
- minimize potential future off-property migration of NAPL to the extent possible

- prevent inhalation of or exposure to contaminants volatilizing from the soil

Specific RAOs pertaining to on- and off-property groundwater were to:

- minimize contact with or ingestion of impacted groundwater to the extent practicable

- minimize future impacts to groundwater and reduce concentrations of constituents of concern (COCs) in groundwater to the extent possible

Based on the results of the AAR, the following remedial activities were proposed for the Edison Property:

- NAPL recovery, as practicable, in the western third of the property[6]

- containment of NAPL-impacted soil in areas that contained subsurface obstruction related to the former historical bulkhead materials (i.e., timber cribbing)

- in-situ stabilization of NAPL-impacted soil along 17th Street and outside the areas with timber cribbing

- installation of a cap over the entire property, with institutional/engineering controls

The AAR was submitted to the NYSDEC on August 31, 2008 and approved by the NYSDEC on May 28, 2008. A Remedial Action Work Plan is under development for implementing the remedy. Based on the results of the AAR, NAPL delineation borings were drilled in 2008 and are discussed below in Section 3.1.1. In addition, a NAPL Pilot Study for this parcel is currently being implemented during the 3rd and 4th quarters of 2009.

3.1.1 NAPL Investigation

A NAPL investigation was conducted as part of the pre-design activities in support of the RAWP to be prepared for Block 689, Lot 17. Work was completed in accordance with methods described in the NAPL Delineation Soil Boring Work Plan (NAPL Work

[6] Note that NAPL was not found to enter any monitoring wells during the RI; routine monitoring conducted afterward did identify such. Work performed to investigate the NAPL is discussed in Sections 4 and 5 of this report.

Plan; ARCADIS, 2008). The NAPL Work Plan was approved by the NYSDEC via electronic mail on February 26, 2008. The results of this investigation are summarized in Appendix A.

3.2 Block 690, Lots 12 and 54 – Georgetown

Remediation of this property was performed by Georgetown in conjunction with its redevelopment, which involved constructing a new building across the majority of the lot. The scope of the remediation was presented in a Remedial Action Work Plan (RAWP; BBL 2003b) that was approved by NYSDEC on January 13, 2004. The remedial objectives included limiting the migration of subsurface contaminants on and off the property and protecting the future occupants of the property from any potential vapors or impacted material that remained. The remedy components consisted of:

- Excavating impacted soil to a maximum depth of 25 feet bgs
- Constructing a watertight subsurface barrier wall around impacted soils located deeper than 15 feet bgs
- Installing a vapor barrier
- Recording institutional controls in an environmental easement for the property

Remedial activities were performed by Georgetown, pursuant to a Brownfield Cleanup Agreement between the NYSDEC and Georgetown (Index No. W2-1012-04-07, Site No. C231017), from June 2004 and May 2005. The work was performed by Turner Construction Company and was documented in the Final Engineering Report (Roux and Remedial Engineering, P.C. 2006; Appendix A). NYSDEC approved the Final Engineering Report in February 2007.

The following summary of the remedial work is based on information presented in the Final Engineering Report (Roux and Remedial Engineering, P.C. 2006):

3.2.1 Excavation Activities

More than 34,000 tons of impacted soil were excavated and thermally treated off site. Excavation depths varied from 12 to 25 feet. While excavating the upper 5 feet of soils, ten 550-gallon USTs were uncovered along the West 19th Street sidewalk, four similar USTs were uncovered along the West 18th Street sidewalk, and one 1,000-gallon UST

was uncovered in the northwest corner of the property. The USTs were opened, emptied and inspected prior to disposal as scrap. Based on their observed condition, it is probable that some of the USTs may have leaked and contributed to the impacts observed at the site.

Numerous wooden timbers were also uncovered during the excavation. These timbers were assumed to be remnants of former piers or bulkheads. Nearly 100 tons of timbers were transported off site and incinerated.

Water accumulating in the excavation as work progressed, totaling approximately 5.2 million gallons, was pumped from the excavation, treated and discharged under permit into the New York City Department of Environmental Protection (NYCDEP) sewer.

After excavation activities were completed, the area was visually inspected by the NYSDEC and Roux to document that the excavation reached the planned depth, and that no visually impacted soils (i.e., soils containing NAPL), remained at the bottom of the excavation. Because the subsurface of this property was fully contained with a low-permeability barrier wall, collection of post-excavation soil samples was not required.

3.2.2 Perimeter Barrier Wall

To contain remaining impacts, a perimeter barrier wall was constructed. The wall was mainly constructed of watertight steel sheet piling. In a few areas, former structures precluded installation of the sheeting; therefore, the perimeter barrier in those areas was constructed of an injected grout curtain. The barrier was keyed into the underlying low-permeability Silty-Clay Unit (on average 30 feet below the surface) and tied into the building foundation, with the mud mat and vapor barrier (described below) constituting a cap.

3.2.3 Vapor Barrier

A vapor barrier membrane was included in the foundation construction design as part of the remedy to prevent the potential intrusion of volatile organic vapors into the building. The vapor barrier, which also served as a waterproofing membrane for the foundation of the building, was installed on the building “mud slab” formed at the base of the excavation and on the side walls of the building foundation walls. The vapor barrier extended up the foundation walls from the mud slab to a depth of 2 feet above the groundwater table.

3.2.4 Basement Level Mechanical Ventilation System

As an added safeguard to building occupants, the mechanical ventilation system that was installed as an integral component of the air handling system for the new building served to vent air in the basement, which is used for vehicle parking. The ventilation of the basement removes air impacted by vehicle exhaust and further mitigates the accumulation of vapors that potentially could migrate into the basement, in the event of a breach in the vapor barrier. The installed ventilation system consisted of an intake fan and associated ductwork to deliver fresh air along the south side of the basement and several exhausts fans to expel air along the northern side of the basement.

3.3 Block 690, Lot 46 – HEEA Parcel

Remedial Action Selection Report and Remedial Action Work Plan (ARCADIS 2007c)

The Remedial Action Selection Report and Remedial Action Work Plan (RASR/RAWP; ARCADIS 2007c) evaluated the proposed remedies for the site. In addition, the RASR/ RAWP described the remedial actions and final remedial design components for the preferred property remedy. The objective of the proposed remediation included the following:

- Isolate remaining MGP-related residuals on the property by using a perimeter barrier wall, moisture/vapor barrier membrane and mud mat
- Protect property workers and the community from exposure to constituents present in the urban fill or MGP-related residuals (if encountered) during implementation of the remedy
- Establish guidelines and procedures for the proper management and disposal of excavated material, water and other wastes generated as part of the remedy implementation
- Establish engineering and institutional controls to provide long-term effectiveness and permanence of the proposed remedy

As discussed in Section 3.2, the RAWP is currently being implemented at this property.

Similar to the property at Block 690, Lots 12 and 54 (Georgetown), this property was remediated in conjunction with its redevelopment as a condominium and art gallery.

Redevelopment consisted primarily of demolishing the existing structure and constructing a new building across the majority of the property. As described in Section 2.5, investigations conducted at this property determined that petroleum- and MGP-related impacts were present in soils and groundwater at depths of up to 30 feet bgs. The remedial objectives and components were generally the same as those for Block 690, Lots 12 and 54 (Georgetown); discussed in Section 3.1); namely, excavating impacted soils, constructing a subsurface barrier wall, installing a vapor barrier and implementing institutional controls.

In addition to the completed remedial activities and institutional controls for this property, a Site Management Plan (Langan, August 2009) was developed to prevent potential future exposure to impacted soil and/or groundwater remaining beneath this property.

Remedial activities were conducted by Posillico, LLC and Langan between November 2007 and October 2008. When completed, remedial activities were documented in the Remedial Action Report for 524 West 19th Street Site (Langan 2009; Appendix A), which was submitted to the NYSDEC on July 2009. The NYSDEC approved the Remedial Action Report on August 2009.

A summary of the remedial work follows.

3.3.1 Excavation Activities

Soil was excavated from the entire footprint of the parcel to accommodate the basement of the new building. The depth of the excavation ranged between 13 and 15 feet bgs. Excavated materials were disposed off site as three distinct waste streams: 650 tons of urban fill soils, 4,830 tons of MGP-impacted soils and 100 cy (approximately 150 tons) of nonhazardous construction and demolition debris. In addition, 375 tons of MGP-impacted timbers were excavated and disposed of offsite.

Water accumulating in the excavation as work progressed, totaling approximately 1.6 million gallons, was pumped from the excavation, treated and discharged under permit to the NYCDEP sewer.

3.3.2 Perimeter Barrier Wall

To achieve its objective of containing remaining impacts, the perimeter barrier wall consisted of sealed steel sheet piles or, in areas where obstructions prevented

installing the sheeting, overlapping grout columns. The grout columns were installed adjacent to the containment barrier system beneath the adjoining Georgetown property to create a continuous barrier between the two properties. The barrier wall system was keyed into the low-permeability Silty-Clay Unit that underlies the property.

3.3.3 Vapor Barrier

The vapor barrier installed at the property consisted of a continuous high-density polyethylene membrane (manufactured by W.R. Grace) installed on top of the mud slab underneath the building floor slab and between the outer wall of the basement foundation walls.

3.4 Block 690, Lot 40

Based on the No Further Action (NFA) status for adjacent property (Block 690, Lot 42) discussed below, and no impacts founds in borings/wells along the property boundary on adjacent property (Block 690, Lot 29) an investigation was not warranted for this property.

3.5 Block 690, Lot 42

NFA status was issued for Block 690, Lot 42 by the NYSDEC in a letter to Con Edison dated 12/2/2005. The NFA was awarded based on the work conducted at the property by TRC and Roux in 2005. All work was completed in accordance with VCA No. D2-0003-02-08.

3.6 Block 691, Lot 11

Remediation of this parcel was performed by West Chelsea Development Properties, LLC (West Chelsea), in conjunction with the property's redevelopment, which involved constructing a new building across the entire lot. The remediation was developed and implemented in accordance with Con Edison's Voluntary Cleanup Agreement (Index No. D2-0003-02-08, Site No. V00530-2) with NYSDEC, as well as with applicable NYSDEC directives, regulations and guidelines.

The scope of the remediation was presented in a Remedial Action Work Plan (RAWP; Roux 2006) prepared on behalf of West Chelsea and Con Edison that was approved by NYSDEC. The remedial objectives included removing and disposing impacted soil (as necessary) in order to construct the foundation of West Chelsea's planned building

and to contain remaining impacted soil by installing a sub-surface perimeter barrier wall and capping the site with the building foundation. The engineering controls were designed to protect future occupants of the property from direct contact with residual impacted material that may remain in the subsurface beneath the foundation and or from any vapors associated with these materials.

The remedy components consisted of:

- Constructing a watertight subsurface secant barrier wall around the perimeter of the parcel to contain any residual impacted soils located deeper than 17 feet bgs.
- Excavating impacted soil to an average depth of 17 feet bgs
- Installing a waterproof/vapor barrier
- Institutional and engineering controls as outlined in the Site Management Plan for this parcel.

The remedy was constructed by Gotham Construction Company, LLC and its subcontractors. The following summary of the remedial work performed is based on information presented in the Remedial Action Report (Roux and Remedial Engineering, P.C. 2009):

3.6.1 Secant Barrier Wall

To contain remaining impacts, a barrier wall was constructed around the entire perimeter of this property. The wall was constructed by installing overlapping and interconnecting concrete columns around the entire site perimeter. The secant wall construction was completed in a multi phase approach that involved the installation of primary and secondary piles, which together function as one continuous system. Primary piles were installed to approximately 35 ft bls, (approximately 10 feet into the low-permeability Silty-Clay Unit), and the secondary piles were advanced to bedrock (approximately 85 ft bls). Steel 'H' piles installed to bedrock in several of the secondary piles to provide structural support for the building in addition to the primary building piles that were driven in the core area of the property. The secant-pile wall was keyed into the underlying low-permeability Silty-Clay Unit and or bedrock, and tied into the building foundation, with the mud mat and vapor barrier (described below) collectively constituting a cap.

3.6.2 Excavation

Following the installation of the secant wall and bracing, soils were excavated to an average depth of 17 ft bls. Approximately 23,500 tons of soil were removed and treated by either Soil Safe, Inc. (non-MGP impacted soils), or Clean Earth of Philadelphia (MGP-impacted soils). Full time oversight of the excavation was provided by Roux to ensure that the proposed excavation depth was achieved, and that no soil containing residual impacts remained at the bottom of the excavation. Excavation depths were deeper in areas as required for construction of pile caps, footings, and installation of utilities.

Water entering the excavation as work progressed below the water table, was pumped from the excavation into on site wastewater storage tanks. The wastewater was transported and disposed to Clean Water of New York, a NYSDEC-permitted treatment facility.

3.6.3 Vapor Barrier

A vapor barrier membrane was installed beneath the concrete foundation as part of the remedy to prevent the potential intrusion of volatile organic vapors into the building. The vapor barrier, which also served as a waterproofing membrane for the foundation of the building, was installed on the building “mud slab” formed at the base of the excavation and on the side walls of the building foundation walls.

3.6.4 Basement Level Mechanical Ventilation System

As an added safeguard to building occupants, the mechanical ventilation system installed as an integral component of the air handling system for the new building which will also serve to vent air in the basement in the unlikely event of a breach in the vapor barrier. The installed ventilation system consists of an intake fan and associated ductwork to deliver fresh air along the south side of the basement and several exhausts fans to expel air along the northern side of the basement.

4. Remedial Investigation Program

4.1 Introduction

This section describes the scope of field, laboratory and data management activities that were implemented during the RI.

Due to the number of individually owned properties, associated access restrictions, subcontractor availability and permit constraints, the RI for the West 18th Gas Works occurred from January 2006 through October 2008.

The remedial investigation program entailed the activities listed below:

- underground utility clearance
- community air monitoring
- subsurface soil investigation
- groundwater investigation
- soil gas survey
- data usability assessment
- management of investigative-derived waste (IDW)
- field surveying

These activities are discussed in Sections 4.2 through 4.9.

Several subcontractors were employed to help collect and analyze the field data, and to handle transportation and disposal of wastes generated. These subcontractors are listed in the following table.

Subcontractor	Office Location	Service Provided
AllState Power-Vac	Brooklyn, NY	Waste transport and disposal
Alpha Analytical – Woods Hole	Mansfield, MA	Analytical services
Aquifer Drilling and Testing, Inc.	New Hyde Park, NY	Utility clearance, soil vapor sampling point installation
Boart Longyear Corp.	North Reading, MA	Utility clearance, rotary sonic drilling
Clean Earth of North Jersey	South Kearny, NJ	Waste transport and disposal
Compu Chem Labs	Cary, NC	Analytical services
Jersey Drilling Company	Netcong, NJ	Utility clearance, drilling
Lyon Drilling Company	Tully, NY	Utility clearance, drilling
Munoz Engineering, P.C.	New York, NY	Surveying
Naeva Geophysics	Congers, NY	Utility clearance
Nico Asphalt Paving	Brooklyn, NY	Pavement repair
Philip Habib & Associates	New York, NY	Route 9A permitting and restoration design
PTS Laboratories	Santa Fe Springs, CA	NAPL analytical services
Royal Environmental, Inc.	Rochester, NY	Utility clearance
Sergio Brito	Douglaston, NY	General contractor
Summit Drilling Company, Inc.	Bound Brook, NJ	Utility clearance, drilling
Test America Laboratories	Shelton, CT	Analytical services
Triumvirate Environmental Inc.	Somerville, MA	Waste transport and disposal

4.2 Underground Utility Clearance

Before commencing intrusive activities, investigation locations were cleared in accordance with Con Edison's utility clearance procedures, which are contained in the SCS Work Plan (TRC 2004a) and NYS Code Rule 753 (Code 753). First, the New York City "One Call" organization was contacted to request utility mark-outs at least 3 working days prior to the start of fieldwork. All mark outs by participating companies were completed in the specified timeframes required by Code 753 in advance of all intrusive activities. Renewal calls were made in accordance with the timeframes prescribed in Code 753. After the Code 753 mark-outs were completed, NYCDEP drawings and Con Edison utility plates for gas and electric service were reviewed. Additional measures were also employed inside buildings where investigative work was completed. Specifically, buildings were visually reviewed to determine the distribution/layout of the various utilities that entered the building as well as building-specific utilities (e.g., roof and or floor drains).

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 or vacuum extraction) typically to a depth of 5 feet. If proposed sample locations were determined by the field staff and Con Edison to be too close to subsurface utilities to safely conduct the field activity, then the boring was relocated to achieve the same investigative objective. Note, during the NAPL Delineation Program (described in Section 4.5.5), hand clearing was not conducted at all locations as approved by Con Edison, based on prior investigation activities and location of known, active utility lines.

4.3 Community Air Monitoring

Community air monitoring was conducted in accordance with the site-specific Health and Safety Plan (HASP; ARCADIS 2006b) to provide a measure of protection to the downwind community from potential releases caused by subsurface work. This activity entailed monitoring for VOC vapors (using a PID) and particulates (using a PDR100 particulate meter) at dedicated stations – one located upwind and one located downwind of the work zone.

In addition to community air monitoring, air in the worker's breathing zone was monitored in accordance with the HASP (ARCADIS 2006b). For outdoor work, the air was monitored in real time for VOCs using a PID and for airborne particulates (dust) using a particulate meter. In situations involving indoor work, the indoor air was also monitored in real time for lower explosive limit (LEL), oxygen, carbon monoxide and hydrogen sulfide using a multi-gas meter.

4.4 Subsurface Soil Investigation

Subsurface soils were investigated by advancing soil borings and excavating exploratory test pits. Soils accessed during drilling and test pitting were characterized in the field and sampled for laboratory analysis. During the RI phase, 75 soil borings were drilled to depths that ranged up to 78 feet bgs. No test pits were excavated during the RI efforts; however, tests pits were completed during the SCS. Sections 4.4.1 and 4.4.2 describe the drilling methods employed and how the soil samples were collected and analyzed. In addition, 80 NAPL delineation borings were drilled as part of the pre-design investigation activities in support of the approved remedy for Block 689 and discussed In Appendix A. The pre-design investigation borings were not completed to facilitate site characterization, and therefore are not described in detail in the mail body of this report. However, information regarding the location, methods and soil conditions encountered are described in Appendix A. This information will also be submitted to NYSDEC under separate cover as part of the Remedial Action Work Plan

for this property. As needed and appropriate, relevant information from the PDI is referenced in this report and associated figures to support site characterization.

Figure 4 presents the locations of soil borings drilled during the RI. Note that the soil borings drilled during the SCS by TRC are also shown on Figure 4. Data collected and observations made during drilling are presented on boring logs, which are contained in Appendix B. Note that this appendix contains logs for borings drilled both during the RI as well as during the SCS.

4.4.1 Drilling and Sample Collection Methods

Soil borings were advanced using one of three drilling methods: direct push (i.e., PowerProbe®), hollow stem augers, and rotary sonic (rotosonic). These methods are summarized in Sections 4.4.1.1, 4.4.1.2 and 4.4.1.3.

Regardless of the drilling method used, soil borings were sampled continuously from the land surface to the boring bottom. Recovered samples were described in the field notes and screened using a PID. PID screening data are presented on the boring logs. Upon completion each boring was backfilled with bentonite or completed as a monitoring well.

4.4.1.1 Direct Push

Direct push drilling is commonly used for unconsolidated materials. The drill rig is hydraulically powered and uses a probing hammer to advance 2-inch-diameter, 5-foot-long Macro-Core® samplers into the subsurface. The machine is typically mounted on a small pickup truck, but can also be mounted on tracks so that difficult terrain can be accessed. For the SCS and RI, direct push borings were advanced using 5-foot-long Macro-Core® samplers to obtain representative soil samples. The specific procedures followed for direct push drilling are contained in the SCS Work Plan (TRC 2004a).

4.4.1.2 Hollow Stem Auger

Hollow stem auger drilling is a conventional method that uses augers to penetrate the subsurface soils. As the augers are rotated, soil cuttings are brought to the ground surface through the annular space between the augers and the surrounding soil formation. Direct push tools (e.g., split spoon) are advanced inside the augers for sample collection and characterization. During the SCS and RI, samples were collected using 2-inch-outside-diameter by 2-foot-long split-spoon samplers. The

specific procedures followed for hollow stem auger drilling are contained in the SC Work Plan (TRC 2004a).

4.4.1.3 Rotosonic

Sonic drilling uses high-frequency vibration to obtain continuous core samples of unconsolidated and many consolidated (e.g., bedrock) formations. This unique method uses a dual-case system, and does not use air, water or mud, so samples are considered highly representative and relatively undisturbed. For this RI, soil samples were collected using 10-, 5- or 2-foot-long, 4-inch-diameter core barrels lined with plastic sleeves. The rotosonic drilling method was not included in the SC Work Plan (TRC 2004a), but was employed because this method was the most effective for the drilling conditions encountered at the site and was the predominant method used.

4.4.2 Soil Sample Collection and Analysis

Up to five soil samples were collected from each boring for laboratory analysis. The samples were selected following the protocol presented in the RIWP (TRC 2006b), as 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 water table
- Beneath the water table where, based on PID readings and visual and olfactory observation, the strongest evidence of impacts was 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 soil samples were submitted following chain-of-custody protocols to laboratories referenced in section 4.1 and analyzed for the following parameters:

- Target Compound List (TCL) VOCs by United States Environmental Protection Agency (USEPA) Method 8260B
- TCL SVOCs by USEPA Method 8270C
- total and amenable cyanide by USEPA Method 9012B
- Priority Pollutant List (PPL) Metals by USEPA Method 6000/7000[7]

Laboratory analytical reports are provided on the accompanying DVD in Appendix D.

In addition, some samples collected from Block 689, Lot 17, and Block 715, Lot 59 were also analyzed for the following parameters:

- Diesel range organics (DRO) and gasoline range organics (GRO) using USEPA Method 8015
- "PIANOS" Analysis of Heterocyclic Hydrocarbons Compounds[8]

These analyses were specified to help identify the potential source(s) for apparent hydrocarbon impacts. The DRO/GRO is a routine analysis used to identify petroleum product types. The PIANOS analysis was performed by Alpha Analytical of Woods Hole, MA for a suite of volatile hydrocarbons collectively called "PIANOS." This suite of more than 100 compounds represents *P*araffins, *I*soparaffins, *A*romatics, *N*aphthenes, *O*lefins and *S*ulfur heterocyclic hydrocarbons (hence the name "PIANOS"). Assessment of the ratios of the various PIANOS compound classes has been found to be a good method to distinguish different sources of hydrocarbons, such as gasoline, diesel and coal tar (which are known to present at the site) when VOCs are present in environmental samples (Stout et al. 2002; Sauer and Costa 2003).

Information regarding the soil samples collected and analyzed during the SCS and RI, including the sample date, sample depth and analyses performed is summarized in Table 3.

Analytical methods, sample handling procedures and laboratory protocols are outlined in the Quality Assurance Project Plan (QAPP) included with the RIWP (TRC 2006b).

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[7] Block 689, Lot 17 samples only.
[8] Block 689, Lot 17 samples only.

Sample analyses followed the NYSDEC ASP-2000 analytical reporting protocols and included collection of quality assurance/quality control (QA/QC) samples, as required by the QAPP. Analytical results for subsurface soils are summarized in Tables 9a, 9b and 9c.

4.5 Groundwater Investigation

4.5.1 Monitoring Well Installation and Development

A total of 21 groundwater monitoring wells were installed at the site during the RI to further characterize groundwater quality and movement, and to further evaluate the occurrence and mobility of coal tar NAPL. These wells complement the 11 wells installed during the SCS. SCS and RI monitoring well locations are shown on Figure 4. Table 4 summarizes the monitoring well construction details for each well installed at the site. Appendix Bincludes the monitoring well construction logs.

The monitoring wells were (generally) installed and constructed as follows:

- The interval to be screened was selected based on the inspection of the soil core, as previously described in Section 4.4.2.
- A well was then constructed using 2-inch-inside-diameter, threaded, flush-joint, Schedule 40 polyvinyl chloride (PVC) casing and screen.
- Screens were typically 10-feet-long with 10-slot (0.01-inch) openings. However, screens for individual wells in the well clusters constructed at Block 715, Lot 59 were 2 or 4 feet long. Shortened screen lengths for wells installed on this lot were used in three separate well clusters to evaluate stratification of water quality relative to observed discrete intervals of impacted soils and to determine gradients inside remnant gas holder foundations. The water column encountered in the gas holder foundations was approximately 12 feet long; therefore, a three-well cluster approach was used such that the screens were placed as follows:
    - straddled the water table using a 4-foot-long screen
    - covered the middle portion of the water column using a 2-foot screen
    - covered the bottom of the water column using a 2-foot screen

- The annulus around the screens was backfilled with appropriately sized, clean silica sand to a minimum height of 1 foot above the top of the screen.

- A minimum 2-foot-thick bentonite pellet seal was placed above the sand pack. The bentonite seal was hydrated using potable water before placing grout above the seal.

- The remainder of the annular space was filled with bentonite to near the ground surface. The bentonite was allowed to hydrate for a minimum of 24 hours before well development.

- Each monitoring well was fitted with a sealed cap (J-plug) and was contained in a flush-mounted vault.

- The concrete seal or pad was sloped slightly to direct water away from the well.

Monitoring wells were developed for a minimum of 24 hours after installation using pump and surge methods to establish good hydraulic connections between the wells and the surrounding formations. Prior to development, fluid levels and the total depth of 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 prior to development. Dedicated polyethylene tubing, 2-inch submersible pumps and a surge block were used to develop the wells. The surge block was fastened to a 1-inch threaded PVC pipe, and then lowered to the well screen interval. The surge block was repeatedly lifted and dropped across a short section of the well screen, then lifted out of the well to allow a pump to be placed in the well for water and particulate removal.

This process of surging/pumping was repeated until all sections 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. Purge water was periodically monitored for pH, temperature, conductivity and turbidity. Well development logs are included in Appendix B. Purge water was contained in 55-gallon drums and staged at the site, until waste characterization results were received and the drums were removed from the site by a Con Edison-approved contractor (see Section 4.8).

4.5.2 Groundwater Level Monitoring and NAPL Gauging

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, and if

present, the thickness of accumulated NAPL. Additional NAPL gauging methods included use of a clear bailer to visually verify presence or absence of NAPL and use of steel rod and string. Measurements were collected using an oil/water interface probe and recorded in the field notebook. Water level measurements are presented in Table 5.

4.5.3 Groundwater Sampling and Analysis

A total of 27 groundwater samples were collected during the RI. In order to evaluate the quality of shallow groundwater relative to subsurface MGP-related impacts, wells associated with properties where known MGP-impacts were identified during the RI and that have not already been remediated. Accordingly, groundwater samples were collected from wells at and in the immediate vicinity of on Block 715, Lot 59 (former remote gas holder 8 and 9) and Block 689, Lot 17 (former works area). Analytical results for VOCs, SVOCs and inorganics for wells associated with these parcels are summarized in Tables 10a, 10b and 10c, respectively. The groundwater analytical results are discussed in Sections 6.4.1, 6.4.2 and 6.4.3.

All of the monitoring wells were not sampled during the RI. In brief, the network of wells installed during the SCS and RI cover a broad area where numerous potential and known non-MGP-related sources (e.g., petroleum USTs) and or industrial operations (e.g., dry cleaners) of groundwater impacts are found. In addition the water table aquifer consists predominantly of urban fill which also contributes the overall poor water quality of shallow groundwater. Consistent with the prevalence of these sources, the quality of the water in the shallow aquifer in the area of Manhattan where the site is located is rendered unusable as a drinking water source. The groundwater monitoring wells that were sampled as part of the RI is described in greater detail below.

Two separate groundwater sampling events occurred as part of the RI. Each event is explained in greater detail below.

Groundwater sampling was conducted on March 7 and 8, 2007 on Block 689, Lot 17 from nine monitoring wells (MW-232A, MW-232B, MW-233A, MW-233B, MW-233C, MW-236A, MW-236B, MW-24A and MW-24B). Sampling was conducted using a bladder pump for low-flow purge and sampling. 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 Standard Operating Procedure (SOP) #GW0001 for Low Stress/Flow Groundwater Sampling.

Groundwater samples were submitted to CompuChem under chain of custody protocols for analysis of the following parameters:

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

From September 30 through October 2, 2008, ARCADIS collected groundwater samples from 18 monitoring wells on Block 715, Lot 59 and the adjacent sidewalk on West 18th Street. The wells sampled are summarized in Table 3. Low-flow purge and sampling was conducted using bladder and/or peristaltic pumps. Bladder pumps were used in the majority of the wells, but in situations where insufficient water was present in the well (i.e. < 1 foot) a peristaltic pump was used. Groundwater field parameters measured during purging include conductivity, DO, ORP, pH, temperature and turbidity. Field parameters were monitored until stabilized following the criteria set forth in the USEPA's SOP #GW0001 for Low Stress/Flow Groundwater Sampling.

Groundwater samples were submitted under chain of custody protocols to TestAmerica for analysis of the following parameters:

- VOCs by USEPA Method 8260B
- SVOCs by USEPA Method 8270C
- total cyanide by USEPA Method 9012B

The groundwater sampling field forms from both sampling events are included in Appendix B.

Analytical reports from CompuChem, TestAmerica and Alpha Analytical are provided on the accompanying DVD Appendix D. Results for the groundwater samples analyzed are summarized in Tables 10a, 10b, and 10c.

4.5.4 Continuous Groundwater Level Gauging

Water levels in select monitoring wells were gauged continuously to evaluate fluctuation in groundwater elevation and potential influence of tidal fluctuations on groundwater levels. The gauging entailed installing MiniTROLL® data-logging pressure transducers in eight monitoring wells (MW-31A, MW-40A, MW-219, MW-231A, MW-233A, MW-233B, MW-233C and MW-236A). A ninth transducer was installed in a stilling well in the Hudson River along the southern portion of Pier 58 at the Chelsea Piers' Sports and Entertainment Complex to monitor the corresponding surface-water levels of the Hudson River during the same period.

The transducers were deployed on September 24, 2007 and retrieved on September 26, 2007, which encompassed a period of approximately two tidal cycles. Pressure ratings for the transducers were 5 pounds per square inch (psi) for all transducers, except for MW-233B and MW-233C, which were rated at 15 psi. The higher pressure rated transducers were selected for MW-233B and MW-233C, because the water columns in these wells were greater than 11.5 feet, which is the maximum allowed for the 5 psi rated transducer. Prior to installation, the transducers were programmed to start recording data simultaneously and measure and record water levels at 10-minute intervals. The "Top of Casing" mode from the transducer software was selected to record water levels, and the reference point for each transducer was the water level measured in the each well at the time of deployment.

4.5.5 Soil Gas Survey

In April 2007, a soil gas survey was conducted in conformance with the letter work plan prepared by ARCADIS BBL and forwarded to the NYSDEC on April 17, 2007. The objective of the soil gas survey was to assess the presence of volatile vapors in the vadose zone and to use this information to evaluate various potential remedial options for the property as they relate to the planned future redevelopment of there.

The soil gas survey entailed collecting soil vapor samples from nine locations and ambient air samples from two locations (one upwind and one downwind of the area being investigated). Approximate soil vapor and ambient air sample locations are illustrated on Figure 4. The location summary for each sample is provided in Table 7.

4.5.6 Sampling Methodology

On April 19, 2007, Aquifer Drilling and Testing, Inc. (ADT) installed soil vapor sampling points for collection of soil gas samples. The points were installed approximately 4 feet bgs using direct push sampling equipment. Each soil vapor sampling point was constructed of stainless-steel wire-mesh screen connected to Teflon™ tubing. Clean silica sand was placed around the soil vapor screen and tubing to a depth of approximately 6 inches above the soil vapor screen. Hydrated bentonite was placed above the sand to the ground surface.

Soil vapor and ambient air samples were collected on April 20, 2007. Prior to sampling, each point was purged with a PID. The equivalent of three sampling-point volumes (approximately 2,000 milliliters [mL]) were purged from each point at an approximate rate of 400 mL per minute. The total VOC concentrations in the purged vapor was monitored and recorded in the field book and are summarized in Table 11.

Immediately after purging the sample, the Teflon™-coated sampling tube was connected to the inlet of the flow regulator that was attached to a clean batch-certified 6 L SUMMA® canister. Each sample was collected simultaneously over a 1-hour sampling period.

Helium was used as a tracer gas at two of the sample locations to verify that the sampling points were properly sealed. An inverted plastic bucket was used as an enclosure to keep the tracer gas in contact with the probe during sample collection, as described in the NYSDOH guidance document (2006). A portable helium monitoring device was used to analyze a sample of soil vapor before and after sample collection. No helium was detected, which indicates that the integrity of the sampling points was good.

A temporary meteorological station (Davis Vantage Pro™ 2) was installed to monitor and record weather conditions during the sampling. The average hourly readings for temperature, barometric pressure, relative humidity, wind direction and wind speed are provided in Table 12.

After the soil vapor samples were collected, the sample probes were capped and left in place. Locations DEA-SG03, DEA-SG06, DEA-SG07, DEA-SG08 and DEA-SG09 were covered with a curb box to permit future access. Locations DEA-SG01, DEA-SG02, DEA-SG04 and DEA-SG05 were covered with asphalt.

4.5.7 Laboratory Analysis

SUMMA® canisters were provided by Severn Trent Laboratories (STL)[9], an Environmental Laboratory Accreditation Program-certified analytical laboratory. The SUMMA® canisters were shipped to STL the same day as sample collection and submitted for laboratory analysis in accordance with the USEPA Compendium Method TO-15, *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 2-methylpentane, isopentane, 2,3-dimethylpentane, isooctane, indene, indane and thiopene. The Category B analytical data packages are provided in Appendix D. Analytical results are summarized in Table 11.

4.6 Data Usability Assessment

The analytical data packages and associated QA/QC information were reviewed to determine if they meet the project-specific criteria for data quality and data use in accordance with applicable portion of the NYSDEC's *Analytical Services Protocol* (NYSDEC 2000) and Draft DER-10 *Technical Guidance for Site Investigation and Remediation* (NYSDEC 2002), the USEPA's *National Functional Guidelines for Organic Data Review* (USEPA 1999a), and the USEPA Region II document *CLP Organics Data Review and Preliminary Review* (USEPA 2001a), where applicable.

ARCADIS validated all analytical data. The review criteria for the RI data are from the following USEPA Region 2 guidance documents:

- *SOP Number HW-24, Revision 1, June 1999, Validating Volatile Organic Compounds by SW-846 Method 8260B* (USEPA 1999b)
- *SOP Number HW-22, Revision 2, June 2001, Validating Semi-Volatile Organic Compounds by SW-846 Method 8270* (USEPA 2001b)
- *SOP Number HW-2, Revision 11, January 1992, Evaluation of Metals Data for the CLP Program* (USEPA 1992; note this reference applies to validation of **define "CN" – first reference** [CN] analytical data)

[9] Now owned by TestAmerica.

In accordance with the QAPP (TRC 2004b), QA/QC samples were collected periodically throughout the RI. Analytical results for the blind duplicate and corresponding samples are presented in the data summary tables (Tables 9, 10 and 11). All data were determined to be valid and useable. Data usability summary reports (DUSRs) for all laboratory sample delivery groups are presented on the accompanying DVD in Appendix E. Complete laboratory reports are provided on the DVD in Appendix D.

4.7 Management of Investigation-Derived Waste

Investigation-derived waste (IDW) generated during the RI consisted of the following:

- concrete and asphalt from paved surfaces (e.g., Block 689, Lot 17)
- drill cuttings
- decontamination fluids
- development and purge water
- personal protective equipment
- sampling equipment

All IDW was placed in NYSDOT-approved 55-gallon open-topped drums (for solids) or closed-topped drums (for liquids). The drums were labeled as IDW and temporarily stored in a secured areas designated by Con Edison. The drums were stored on site until waste characterization results were received from the analytical laboratory. Once the waste characterization results were received, the IDW was transported off site by Clean Earth of North Jersey and disposed of at a permitted disposal facility.

4.8 Field Surveying

Monitoring well and soil borings locations were generally surveyed by a New York State-licensed surveyor. The horizontal position and ground surface elevation was surveyed for each well and boring. In addition the elevation of the top of each well casing, designated as the measuring-point, was surveyed. Select site features (e.g., building corners, curb lines) were surveyed to verify locations of such structures on the site base map presented in this report.

Horizontal coordinates were surveyed using the New York State Coordinate System, North American Datum 83. Vertical datum was surveyed using the NAVD88.

5. Findings

This section summarizes results of the RI and describes findings of the site investigations with respect to its physical setting (the aspects of the site's natural and built environment relevant to site remediation), field observations of impacts and an analysis of the potential sources of the observed impacts. Laboratory analytical results are discussed in Section 6.

In general, the historical operations at the site inadvertently released byproducts (principally coal tar) to the environment, impacting the quality of fill materials and groundwater beneath portions of the site. As summarized below, the majority of the impacted areas at the site have either been remediated (i.e., Block 690, Lots 12, 42, 46 and 54; and Block 691, Lot 11) or have an approved remedy awaiting implementation (i.e., Block 689, Lot 17). The remaining site impacts not addressed by an existing or proposed remedy are limited to portions of Block 662; Block 690, Lots 20 and 29; and the right-of-ways along West 17th, West 18th and West 19th Streets.

5.1 Physical Setting

The site is located near the Hudson River waterfront in the West Chelsea Area of Manhattan approximately 3 miles north the southern tip of the island at Battery Park. Because of the intensity of urban development here, anthropogenic factors play a significant role regarding the site's physical setting. The principal elements of physical setting described in this section include:

- Regional and site-specific geology
- Subsurface structures
- Surface-water hydrology
- Hydrogeology and groundwater flow

5.1.1 Regional Geology

Manhattan is underlain by early Paleozoic crystalline metamorphic bedrock, typically gneiss and schist. Bedrock appears at the surface in parts of central and northern Manhattan (e.g., Central Park), but slopes downward toward the south to between 50

to 80 feet bgs near the site. The bedrock in this area is mapped as Cambrian-aged Hartland Formation schist (Merguerian 1983).

The bedrock at the site may be overlain by a combination of glacial deposits, post-glacial alluvium and fill. The surficial deposits in the vicinity of West 18th Street have been mapped locally as till (Cadwell 1989), though no till has been observed in borings completed at the site. The uppermost native sediments in the area are interpreted to be post-glacial fluvial deposits (Reed 1930). These native sediments are typically overlain by urban fill, most significantly along the current shorelines where sizeable areas constitute made land.

5.1.2 Site Geology

Between 50 and 80 feet of unconsolidated materials overlie bedrock at the site. Based on observations from more than 225 borings completed for the RI and SCS, the overburden may be divided into three distinct stratigraphic units (note that the Upper Sand Unit previously described in the SCS Report has been combined with the Fill Unit). From the surface down, the units are:

- Fill Unit, a highly heterogeneous, generally high permeability interval that encompasses foundations, utilities, former piers and wooden cribbing
- Silty-Clay Unit, a low-permeability aquitard consisting of tidal marsh deposits
- Sand Unit, a high-permeability unit of stratified alluvial sands

These units vary in thickness across the site, as depicted on three cross-sections (Figures 5a, 5b and 5c). Sections A-A' and B-B' trend west to east, perpendicular to the Hudson River. Section C-C' trends north to south roughly parallel to 11th Avenue. Each of the stratigraphic units encountered at the site is described in further detail in Sections 5.1.2.1, 5.1.2.2 and 5.1.2.3.

5.1.2.1 Fill Unit

The Fill Unit is highly heterogeneous, consisting of silt, sand, gravel and boulders, along with anthropogenic materials such as brick, concrete, ash, timbers, coal, glass and metal pieces. The unit averages 25 feet thick, but thickens below 11th Avenue to as much as 45 feet adjacent to the current Hudson River bulkhead (soil boring MW-231A).

The thickness of the fill most directly reflects a series of land reclamation projects completed during the 19th century. These projects included both raising the existing dry land surface to an even grade and reclaiming land from the Hudson River. The progression of the shoreline relative to the site was evaluated in detail by Langan (2007), attached for reference as Appendix A. Figure 3 shows the following three historical shorelines:

1) predevelopment shoreline, as it existed up to at least 1828

2) an intermediate shoreline, circa 1836, that existed in only the very early years of MGP operations

3) the furthest extent of the shoreline, circa 1859, as it existed throughout the majority of the MGP operations up until the first decade of the 20th century

These three alignments of the Hudson waterfront bracket three distinct regions of filling at the site, which are reflected in site subsurface data. Each region is described in more detail below.

Filling Inshore of the Predevelopment Shoreline

Prior to significant development in the site area, the Hudson River shoreline was located east of 10th Avenue (Bridges 1814). The only portion of the site located inshore of this line is Block 715, Lot 19, the location of remote gas holders Nos. 6 and 7. Though an 1814 map shows this location as dry land, the location is on low ground at the bottom of a bluff next to the river. The current thickness of fill on this parcel is between approximately 18 and 23 feet, extending to as much as 10 feet below sea level. Thus, the fill thickness reflects a combination of excavation (potentially for installation of the two gas holder foundations on that parcel) and additional filling to bring the ground surface to an even grade approximately 13 feet above sea level. The fill observed outside the holders on this property is described as a mixture of silt, fine to coarse sand and gravel, with trace amounts of man-made materials such as brick and glass.

Filling Between the Predevelopment Shoreline and the 1830 Cribbing Wall

From 1828 to 1833, fill was used to extend the shoreline to a new cribbing wall bulkhead aligned north-south approximately 500 feet west of the predevelopment shoreline (Colton 1836). The area inshore of this new bulkhead includes most of the

present-day site west of 10th Avenue. The fill in this region averages approximately 25 feet thick, but varies significantly due to relief in the underlying Silty-Clay Unit surface.

The nature of the fill in this region varies considerably, often between adjacent borings, but is generally segregated in two zones:

- A shallow zone (within roughly the upper 5 or 10 feet), with a significant component of man-made materials that includes remnants of former structures and coarse debris.

- A deeper zone, typically described as a fine to medium or fine to coarse sand, with some or a little gravel and silt, but may also be dominantly fine grained sand or dominantly gravel. Materials such as wood and brick occur sporadically in this zone, but are not a significant component of the material. The basal sands of the fill have been described as an "Upper Sand Unit" in some previous investigations, but is interpreted here as a sub-unit of fill. Locally, some basal portions of the sandy zone may be in-situ alluvial deposits, though they are texturally indistinct from the sandy fill.

The fill thickness varies in relation to depressions in the underlying Silty-Clay Unit surface (Figure 6) that are likely the result of erosion or excavation of the silty clay surface prior to filling. In a few locations, the clay surface rises significantly and pinches the fill thickness to as little as 13 feet (e.g., boring SB-344 on Block 689).

Filling Offshore of the 1830 Cribbing Wall

In the region west of the 1830 cribbing wall to the current bulkhead, the fill deepens westward and contains evidence of the stepwise extension of the waterfront using timber cribbing and mixed fill. The shoreline evolved quickly between approximately 1830 and 1859. The historical maps (Colton 1836 Burr 1839 Ensign 1845 Dripps 1852 and Perris 1859) cataloged in Langan (2007; Appendix A) show four different shoreline alignments (1836, 1839, 1845, 1852) prior to reaching a maximum in 1859. Timbers were encountered in borings at numerous locations in this region, generally associated with former waterfront alignments, cribbing, former piers and pilings, or loose timber in the fill.

The fill encountered between timbers and in borings that did not encounter timbers is extremely heterogeneous. In general, the material is dominantly sand-sized, but also includes finer materials (silt and clay pockets) and coarser materials (gravel and

cobbles), particularly in the cribbing. Traces of brick, ash, wood fibers and concrete are also common in the fill.

The fill deepens and thickens west of the 1830 cribbing wall, from approximately 30 feet to a maximum of approximately 45 feet (MW-231A) along the current bulkhead.

5.1.2.2 Silty-Clay Unit

The Silt-Clay Unit underlies the fill and consists predominantly of brown, gray or black silty clay, with occasional sand and peat lenses that contain traces of shell fragments and decayed plant material. The unit is interpreted to be a tidal marsh deposit formed on the shallow banks of the Hudson River adjacent to the predevelopment shoreline. The Silty-Clay Unit is at its thickest (approximately 40 feet) along an axis parallel to the former shoreline, between 10th and 11th Avenue. The unit appears to grade laterally into sands east of 10th Avenue, becoming interbedded with sands approaching the predevelopment shoreline. Silty-Clay Unit beds exist as far east as Block 759, Lot 59 (the former remote gas holders) where vertically disconnected clay lenses were observed in several borings. The Silty-Clay Unit dips westward into the channel of the Hudson and along the current shoreline ranges from 15 feet to over 40 feet in thickness.

The Silty-Clay Unit surface is irregular (Figure 6) with isolated depressions and high points at the site.

As further discussed below, the Silty-Clay Unit represents a low permeability barrier between the overlying fill unit and the underlying sand unit.

5.1.2.3 Sand Unit

The Sand Unit underlies the low-permeability Silty-Clay Unit and consists of stratified layers of sand, varying in size from fine to coarse, with intervals of gravel and occasional silt or silty fine sand. Borings completed through the sand unit suggest a high degree of heterogeneity, consistent with deposition in a fluvial environment.

The thickness of the Sand Unit is approximately 40 feet in the western half of Block 689 (the former gas works area). The unit thins as the underlying bedrock surface rises to the northeast and may even pinch out beneath Block 690, Lot 29 (former gas holders 4 and 5), where bedrock rises to 45 feet bgs. Along 10th Avenue and continuing to the east, the overlying Silty-Clay Unit becomes interbedded with sands

and becomes texturally indistinguishable from the Sand Unit. As shown on Cross Section A-A' (Figure 5a), the Sand Unit approaches 45 feet beneath Block 715, Lot 59 (former remote holders) because much of the overlying Silty-Clay Unit is absent.

5.1.2.4 Bedrock

The bedrock beneath the site is the Cambrian Hartland Formation, which is generally described as schist. The bedrock encountered during the RI was described as gold-colored weathered schist to gray schist. Note that bedrock was also encountered during several of the investigations summarized in Section 2.

The bedrock surface slopes from the northeast to the southwest. The shallowest occurrence was 45 feet bgs at SB-7 (Block 715 Lot 59); the deepest was 86 feet bgs at MW-24 (Block 689).

5.1.3 Subsurface Structures

Buried structures are important elements in the subsurface environment, with relevance to groundwater flow and contaminant transport within the saturated Fill Unit. The major structures of interest include:

- building foundations
- current and former Hudson River bulkheads
- former MGP foundations
- buried utilities
- structural pilings
- remedial barrier walls

These structures are discussed in Sections 5.1.3.1 through 5.1.3.6.

5.1.3.1 Current and Former Hudson River Bulkheads

The current Hudson River bulkhead is aligned roughly north-south, parallel to 11th Avenue. As shown on Figure 3, this alignment is between 400 and 550 feet landward

of the historical bulkhead line that existed at the height of MGP operations in the late 19th century. Details of the current Chelsea Type bulkhead construction were provided to Con Edison by the Hudson River Park Trust. The bulkhead drawing indicates evenly spaced vertical pilings driven into the dredged river bottom, fixed with cross piles for additional support. The areas between the piles are depicted as being filled with coarse material ranging from cobbles to larger rubble (i.e. riprap). According to the information provided, the bulkhead walls were constructed of concrete or granite. Appendix A includes a copy of the drawing provided by HRPT.

Based on hydraulic data (discussed in Section 5.1.4.3), the current bulkhead is interpreted to be a leaky partial barrier to groundwater flow in the fill, restricting free communication of groundwater flow with the Hudson to sporadic breaches such as open sheet pile joints and utility corridors.

From 1830 to 1859, the shoreline was fortified and extended by cribbing walls. The approximate alignment circa 1836 is shown on Figure 3. These structures are interpreted to have consisted of interlocking timbers stacked in squares, and loaded with coarse heavy fill to seat them in the riverbed sediments. Much of the cribbing has likely been disturbed by subsequent excavations or piling. In general, the cribbing structures are considered to have little effect on groundwater flow, because they are open structures and surrounded by coarse fill and debris.

5.1.3.2 Former MGP Foundations

The former MGP included numerous buildings and other structures such as gas holders, piping and tanks. The majority of these structures were above grade, with slab and subsurface foundations. Structures known to have had significant below-grade foundations were the gas holders, which typically used a subsurface reservoir of water to seal the gas within the holder. Based on soil borings and test pits completed within the holder footprints, the holder foundations extended approximately 20 feet below modern grade, and were constructed with brick sidewalls and bottoms. The 11 former gas holders (shown of Figure 3) are summarized in the table below. Foundation depths are inferred based on recovered materials indicative of holder bottoms during drilling, such as concrete and timber that overlay native / non-fill soils or inferred from drilling difficulty.

Former Gas Holder	Estimated Foundation Depth Inferred from Borings	Disposition of Foundation
Holder 1	Not detected	Presumed demolished for utility construction in roadway
Holders 2 and 3	23 - 25 ft	Removed for new building construction
Holders 4 and 5	14 - 21 ft	Partially intact beneath parking lot
Holders 6 and 7	19 - 21 ft	Partially intact beneath building
Holders 8 through 11	Not detected	Presumed demolished for utility and building construction

Several of the holders have been removed or partially demolished for subsequent subgrade construction projects. All holders underlying 11th Avenue, for instance, are within a significant utility corridor and therefore are presumed to have been wholly or partially demolished during utility and roadway construction. The holder foundations that still exist are inferred to be in restricted hydraulic communication with the saturated fill surrounding them, due to partial demolition (for subsequent construction) and general weathering of the foundation materials.

As shown on Figure 3, the gas works buildings and process tanks were located on Block 689, Lot 17. Table 8 summarizes field observations encountered during drilling at this property. As indicated by the summary table, near-surface obstructions (from 0 to 10 feet bgs) include concrete, brick, wood, cobbles and asphalt. Previous investigations of this property, including the SCS (TRC) and the geotechnical study conducted by Langan, documented the presence of obstructions below grade throughout the site, including foundation walls, old piles and possibly historical pier or bulkhead structures.

5.1.3.3 Buried Utilities

The streets that run through the site are underlain by sewer, water, gas, communications and electric utilities. Based on a review of city utility plans, all buried utilities are within 20 feet of the ground surface (NYCDEP 1968). In general the utilities occur above the water table (approximately 8 feet bgs). The deepest known utility is a major combined storm/sanitary reinforced concrete intercepting sewer located beneath 11th Avenue at an invert depth of approximately 18 to 20 feet bgs (-12.5 to -14.5 feet

AMSL invert elevation relative to NAVD88). The sewer expands northward from 5 feet by 5 feet to 7 feet by 7 feet at the intersection of 11th Avenue and West 18th Street.

Additional sewer lines feed into the interceptor from each east-west street, at invert depths of approximately 12 feet bgs(just above the interceptor). The sewer running beneath West 18th Street is constructed of brick, measuring 8 feet wide by 5 feet 6 inches tall and extending to approximately 7 feet below sea level (note, all NYC sewer inverts and elevations are referenced to the Queens Highway Datum, which is 2.725 ft above mean sea level at Sandy Hook).

Similar brick-constructed sewers run down West 17th, West 19th and West 20th streets. In each case, the sewers pass above the interceptor and flow into control structures before joining the interceptor sewer.

5.1.3.4 Structural Pilings

Pilings and sheet pile have been installed in several areas as structural supports. These include the following:

- The interceptor sewer beneath 11th Avenue is supported by piles driven to bedrock. Between West 16th and West 18th streets, for instance, piles were driven approximately every 8 feet, to an average bottom elevation of between -75 and -88 feet AMSL (NYCDEP 1968). North of West 19th Street, the interceptor sewer is also supported by piling. The depth of the piles are not indicated on the available engineering drawings.

- The former elevated roadway that ran above 11th Avenue was likely supported by deep piles. These structural supports could have remained after the elevated roadway was removed.

- The High Line former railroad viaduct that crosses above Blocks 689 and 690 is supported by piles.

Except for the interceptor sewer, design drawings for these structures are not available. Standard pilings are anticipated to have little effect on groundwater flow. Sheet piling, installed as structural support, is presumed to form a leaky partial barrier to groundwater movement.

5.1.3.5 Building Foundations

Nine buildings currently exist within the Site. Of these, eight have basements. Figure 2 shows the footprints of buildings that currently exist on site or are under construction. The table below summarizes the buildings and their foundation types.

Property With Building	Approx. Year Constructed	Stories	Foundation	Notes
Block 688, Lots 1001 and 1002	Ca. 1915	10	Full basement	Foundation excavated through fill to top of "natural sand" (Parsons 2002)
Block 690, Lots 12 and 54	2006	11	Full basement	Excavated from 12 to 25 feet. Surrounded by barrier wall to an average of 30 feet (Roux 2006)
Block 690, Lot 20	1920	2	Slab on Grade	Public parking garage
Block 690, Lot 40	Prior to 1981	5	Unknown	
Block 690, Lot 42	Ca. 2008	11	Slab on Grade	
Block 690, Lot 46	2009		Full basement	Excavated to 13 to 15 feet, perimeter barrier wall/ vapor/moisture barrier/mud mat (Langan 2009)
Block 691, Lot 1	Prior to 1931	9	Partial Basement (construction unknown)	Penitentiary – no basement construction details, based on visual observations presumed to be above water table.
Block 691, Lot 11	Currently under construction		Full basement	Perimeter barrier wall (Roux 2006)
Block 715, Lot 59	Ca. 1870	2	Slab on grade	Building is retrofitted from original MGP structure

In general, basements are not anticipated to appreciably affect groundwater flow. Some buildings noted in the table were constructed with remedial barrier walls, which will prevent groundwater passage beneath the property within the bounds of the piling. Remedial barrier walls are discussed further in the next section.

5.1.3.6 Remedial Barrier Walls

As discussed in Section 3, recent construction at three properties within the site included installation of perimeter barrier walls designed to isolate NAPL-containing materials that could not be excavated. For the two properties at Block 690, Lots 12 and 46, the perimeter barrier walls extend into the Silty-Clay Unit, thus completely entombing the Fill Unit beneath the properties (Roux 2006). For Block 691, Lot 11, a

perimeter secant pile wall was installed completely to bedrock, entombing both the Urban Fill Unit and Sand Unit (Roux, 2006).

By design, the barrier walls alter local groundwater flow patterns by creating no-flow regions within the contained areas.

5.1.4 Hydrogeology

This section describes the hydrogeology of the site, including recharge, hydrostratigraphy and groundwater flow.

5.1.4.1 Runoff and Recharge

The site is located adjacent to the Hudson River, the natural base level discharge for both surface water and groundwater. Though the river remains the ultimate discharge point, the natural drainage systems in Manhattan have been significantly altered by urban development.

The Hudson River in the site vicinity is a tidal estuary, approximately 0.75 miles wide. The stage of the river next to the site oscillates about sea level on a diurnal tide with an observed range of approximately 6 feet (based on a 2-day continuous monitoring period in September 2007 [see Appendix C]) and NOAA records. The mean sea level observed through this period was -0.35 feet AMSL (NAVD88).

No tributary streams exist in the area. All predevelopment streams and surface drainages have been filled and are no longer active.

The site and most of the surrounding areas are covered by impervious surfaces and the majority of the stormwater runoff is captured in the combined sewer system. Relatively little surface water is interpreted to infiltrate directly to groundwater. Groundwater recharge near the site is likely dominated by indirect sources, such as leaking water-distribution and sewer lines, and improperly plumbed floor or roof drains. Groundwater monitoring using transducers at Block 715, Lot 59 recorded clear water table responses to two rain events despite nearly complete impervious cover in the vicinity (ARCADIS 2009).

5.1.4.2 Hydrostratigraphy

The Fill Unit, Silty-Clay Unit and Sand Unit form distinct hydrostratigraphic intervals, as discussed below:

- The saturated portion of the fill is highly heterogeneous, consisting of a variety of fill types. The fill is interpreted as a highly permeable medium, with occasional discontinuous pockets of low-permeability materials such as silt and clay. The fill is present everywhere at the site, but is obstructed in places by barrier walls; deep utilities; and foundations, piles and sheet-piling, as discussed in Section 5.1.3.6.

- The Silty-Clay Unit is interpreted to be a low-permeability aquitard. The unit includes heterogeneity consistent with a tidal marsh deposit and thus includes discontinuous lenses of fine sand, silt and peat, within a bulk mass dominated by silty-clay. The unit is interpreted to have little transmissivity and to restrict vertical groundwater flow. The Silty-Clay Unit is confining with respect to the underlying Sand Unit.

- The Sand Unit is a moderately permeable aquifer. The unit is a stratified system and therefore highly anisotropic. Permeability is interpreted to be greatest in the horizontal plane focused in the most coarse-grained sand or gravel beds. Interbedded fine-grained sands and silts will inhibit vertical migration.

5.1.4.3 Tidal Influences

The tides in the Hudson River have a damped influence on groundwater levels near the waterfront. Figure 15 is a hydrograph of levels recorded during the 2-day tidal study completed in 2007. During this event, the water level oscillated over a range of 2 to 2.5 feet at two water table monitoring wells located within 50 feet of the bulkhead (MW-40A and MW-231A). The observed water table fluctuations are less than half of the full tidal range of 6 feet, recorded during this period.

The hydrographs recorded at three water table wells located further inshore of the bulkhead showed no observable tidal influence (i.e., MW-31A [400 feet inshore], MW-219 [325 feet inshore] and MW-233A [210 ft inshore]). A highly muted tidal influence of approximately 0.2 feet was recorded at well MW-233B, which is screened in the Sand Unit. This existence of a tidal effect 210 feet inshore in the Sand Unit (where none is detectable in the overlying Fill Unit) provides additional evidence that the Sand Unit is confined by the overlying Silty-Clay Unit. The data suggest that tidal influences in the

unconfined fill do not propagate inshore as efficiently, and that tidal energy is quickly dissipated in the adjacent aquifer. Based on the results of the tidal study, tidal influence in the water table aquifer is limited to areas adjacent to the current bulkhead. These observations are consisted with the bulkhead descriptions provided in Section 5.1.3.1 and the inference that the Hudson River bulkhead adjacent to the site serves as a partially leaky barrier to groundwater flow.

5.1.4.4 Groundwater Flow

The water table at the site occurs in the Fill Unit at an average depth of approximately 9 feet bgs. The water table is nearly flat and is encountered at an average elevation approximately equal to mean sea level (Figure 7). The irregularities in the surface reflect several factors:

- Tidal fluctuations in the Hudson River produce minor (2 to 2.5 feet), changes to water table elevations in the wells located immediately adjacent to the Hudson River bulkhead, with influence decreasing inshore. Though Figure 7 reflects a nearly synoptic water-level round, the temporal lag and delay of tidal effects (next to the Hudson River) is not shown.

- Leaky flow barriers, potentially including the Hudson River bulkhead, other sheet pile walls, partially penetrating utilities and holder foundations diverts movement of groundwater and may create local mounding and depressions.

- The perimeter barrier walls on Block 690, Lots 12 and 46 and Block 691, Lot 11, create no-flow zones forcing groundwater to flow around them.

- Leaking water utilities and drains may create local intermittent water table mounds. Sewers that leak may have the opposite effect.

- Potential unidentified pumping stresses, such as building dewatering systems.

Groundwater is interpreted to flow generally toward the Hudson River, though discharge to the river may occur only at mean and low tides. Actual groundwater flow paths are heavily influenced by the location, integrity and alignment of subsurface structures. The lack of a significant hydraulic gradient reflects the high permeability of the Fill Unit, and indicates generally sluggish flow.

Groundwater in the Sand Unit flows to the Hudson River. Measured water-level elevations in Sand Unit monitoring wells are typically about the same as the water table elevation (i.e. Fill Unit). Groundwater in both the Sand Unit and Fill Unit are in quasi equilibrium with the river and no significant vertical gradient exists across the Silty-Clay Unit. The Fill Unit and Sand Unit are interpreted to be hydraulically disconnected, with no exchange occurring across the Silty-Clay Unit.

5.2 Field Observations of Impacts

The principal wastes of concern at MGP sites, such as coal-tar NAPLs and purifier waste, are often directly observable by visual review of field samples. Subsurface soil samples have been described from approximately 250 wells, borings and test pits completed in support of the site-wide RI and related activities. Field observations also include monitoring and recovery of NAPL where it occurs in completed wells. This section reviews the nature and distribution of these observations. Laboratory analytical data collected to confirm and supplement these field observations are discussed in Section 6.

5.2.1 Type and Nature of Observed Impacts

A variety of impacted materials have been observed in field samples from borings, test pits and wells. The two principal types of materials include:

- MGP-related NAPL, occurring in a variety of densities and viscosities
- petroleum NAPL, related to post-MGP LUSTs

No visible evidence of purifier wastes, such as spent lime was noted during the RI or SCS.

This section describes direct observations of impacts at the site, including:

- staining, sheens, OLM and TLM on subsurface soil retrieved from borings and test pits
- odors in subsurface soil retrieved from borings and test pits
- NAPL observed in completed monitoring and recovery wells

The major field observations at each sampling location are summarized in Table 8.

For this report, the terms OLM and TLM are used to differentiate the viscosity of MGP-related NAPLs. OLM is used to denote visible NAPL with an apparent viscosity similar to oil. Where feasible, OLM is restricted to NAPL of MGP-origin; however, it may occasionally be undifferentiated from petroleum-related NAPL. OLM may be LNAPL, DNAPL or neutrally buoyant NAPL. Where possible, LNAPL believed to be petroleum-related (based on field observations) is identified separately. The term TLM is used to denote black, highly viscous TLM (including material that appears to be semisolid) that is likely of MGP origin. At this site, where TLM has been observed, the TLM has been determined to be a DNAPL based on physical testing (described below).

The quantity of NAPL estimated to be contained in samples (based on field observations) varied between trace levels, typically visible only as sheens, to full saturation (i.e., occupying the majority of the available porosity of a sample). The term "blebs" refers to discontinuous, isolated ganglia of NAPL that are not a mobile form of coal tar as further discussed below under Section 5.2.3.

5.2.2 Distribution of Observed Impacts

The distribution of NAPL observed in subsurface soils is shown on the cross-sections (Figures 5a, 5b, and 5c) and on a series of four figures (Figure 8, 9, 10, and 11), representing locations where NAPL was observed within a specific depth interval: 0 to 10 feet, 10 to 20 feet, 20 to 30 feet and 30 to 40 feet bgs, respectively. The ground surface throughout the area is generally flat (averaging approximately 8.5 feet AMSL); thus, each depth interval is also an approximation of an equal elevation interval. The figures show NAPL observed at any level of saturation, from blebs to "saturated." Sheens are not depicted on the figures because their source (e.g., MGP or petroleum) is not readily distinguishable in the field. The NAPL figures also do not distinguish between petroleum- and MGP-related NAPL.

The remainder of this section summarizes the nature and extent of impacts observed on each portion of the site. For each distinct property or area, a small table has been included to summarize the nature of property and whether petroleum impacts unrelated to MGP operations were detected. Information on petroleum USTs is described only briefly.

5.2.2.1 Impacts at Block 688

- Restricted access to the property due to the building (which fully occupies the block) and utilities in the sidewalks has limited investigations to two locations.

Property: **Block 688**

Former MGP Land Use	Coal yard and portions of gas holders 9 and 11
Current Land Use	10-story building built in 1916 with basement used for offices, garage and storage
Non-MGP-Related UST on property?	Yes
Remedial Status	Approved remedy in place

- In Boring SB-30, visible OLM and TLM blebs were observed, immediately above the top of clay, which occurred at 24 ft bgs. OLM was detected from 20-24 ft bgs with TLM reportedly present on the tip of the split spoon sampler. Total VOC concentrations measured in headspace air for this interval was relatively low (for the 20-22 ft bgs interval. Total VOCs in the headspace for the 22-24 interval were elevated at a concentration of 1,565 ppm and suggests that the majority of the saturated NAPL is concentrated in the lower interval immediately above the top of clay.

- A slight petroleum odor was reported near the water table at SB-30.

5.2.2.2 Impacts at Block 689

- The majority of MGP-related impacts was observed at this block, which is not unexpected given the former works were located on this property.

- OLM and TLM occur as discrete intervals in the subsurface at depths of less than 5 feet to approximately 35 feet bgs. The majority of saturated OLM and TLM impacts occur in the upper sand unit, between 10 and 30 feet bgs.

Property: **Block 689**

Former MGP Land Use	Primary MGP works, including the retorts building, scrubbers, purifying house, and other supporting structures
Current Land Use	Asphalt Parking lot
Non MGP-Related UST on property?	Yes
Remedial Status	Remedy approved; not yet implemented

- OLM has been more frequently observed in borings than TLM. TLM was sporadically observed throughout Block 689 as coatings on buried timbers or as immobile ganglia. TLM DNAPL has accumulated in six of the eight recovery wells (Appendix B).

- OLM is present and described as “saturated” in the south-central portion of Block 689, beneath the southeast corner of the former retort house, the southwest corner

of the former scrubber house, the western end of the former workshops and the open areas that separated those buildings (Figure 3).

- In general, the vertical distribution of coal tar DNAPL at the site is governed by relief in the Silty-Clay Unit surface (Figure 6). TLM and OLM were frequently observed in the fill materials just above the Silty-Clay Unit. In some instances the upper several feet of silty-clay also contained discrete NAPL impacts within sand lenses and as blebs. NAPL was not observed to fully penetrate the Silty-Clay Unit at any locations.

- The thickest accumulations of NAPL-containing materials are found within two irregular depressions in the Silty-Clay Unit surface in the southern half of Block 689 (Figure 6). Approximately 10 feet of NAPL-saturated fill were identified in several borings: SB-315 and SB-343 in an east-west elongated depression in the central portion of the crossing the middle of Block 689 and SB-333, SB-339, SB-366, SB-367 and SB-368 in an east-west trough crossing the southern portion of the site. In these two regions, NAPL saturation typically starts at 10 to 12 feet bgs and extends vertically to the surface of the Silty-Clay Unit.

- The deepest occurrences of NAPL were observed in localized depressions where the silty-clay surface is deepest, as described below:

  - The northwest corner of the block, where the clay surface slopes toward the river to the west. In this region, NAPL is typically characterized as TLM, found to a maximum depth of 35 feet bgs (SB-373). TLM was described as saturated over a 1-foot depth interval in this boring (from 34 to 35 feet below ground surface). The underlying Silty-Clay Unit is not impacted.

  - On the southern block boundary in a trough denoted by SB-378 and SB-366, OLM is present to 35 feet bgs. The underlying Silty-Clay Unit is not impacted.

  - At boring SB-341, near the center of the block, a deep depression in the Silty-Clay Unit surface was encountered at 43 feet bgs.). OLM was detected in this boring to a depth of 35 feet bgs. The underlying Sand and Silty-Clay Units were not impacted.

- The extensive occurrence of the Silty-Clay Unit and lack of TLM and OLM penetrating this unit indicates that the Silty Clay Unit is confining to NAPL and an effective barrier between the Fill Unit and the underlying Sand Unit.

- No OLM or TLM have been observed in the Sand Unit. Though small quantities of TLM have appeared in Sand Unit monitoring well MW-24B, the occurrence of NAPL is interpreted to be the result of faulty well construction. TLM was observed in the Urban Fill Unit above the surface of the Silty-Clay Unit at the adjoining soil boring SB-24A. Although the well was double-cased into the Silty-Clay Unit, the seal appears to have been compromised and has allowed limited migration of NAPL. No NAPL, sheens, odors or elevated PID readings were detected in the Silty-Clay Unit or the Sand Unit while drilling. The data suggest that NAPL is most likely following well bore down from the Fill Unit, and is not representative of the Sand Unit.

- No significant petroleum impacts have been detected on Block 689. Petroleum-like odors were detected in two locations: SB-23 (near the center of the property and RW-A (near West 18th Street). Note that a gas station existed on this property near the intersection of West 17th St and 11th Avenue, between roughly 1950 and 1980 (TRC 2006a). No petroleum-derived NAPL has been detected.

5.2.2.3 Impacts at Block 690, Lots 12 and 54

- Property has been remediated via excavation and installation of a perimeter wall seated into the top of clay.

- MPG and petroleum impacts detected on the property prior to remediation have been removed or isolated within the barrier walls.

- Extensive cribbing was encountered in excavations completed at the site.

Property: **Block 690, Lots 12 and 54**

Former MGP Land Use	Coal storage yard
Current Land Use	10-store office building with basement
Non MGP-Related UST on property?	Yes
Remedial Status	Approved remedy in place

5.2.2.4 Impacts at Block 690 Lot 20

- No OLM or TLM was observed on this lot.

- Petroleum odors detected in vadose zone and shallow saturated fill sporadically beneath the portion of the property facing West 18th Street. Soil Borings immediately adjacent to historical UST locations had elevated PID readings as indicated by soil boring logs.

Property: **Block 690 Lot 20**

Former MGP Land Use	Storage yard
Current Land Use	Building used as garage
Non MGP-Related UST on property?	Yes
Remedial Status	No remedy identified

Property: **Block 690, Lot 29**

Former MGP Land Use	Gas Holders 4 and 5
Current Land Use	Parking lot, High Line
Non MGP-Related UST on property?	Yes
Remedial Status	No remedy identified

- USTs currently located on property

5.2.2.5 Impacts at Block 690, Lot 29

- TLM was observed in coarse fill above Holder 4 bottom (18.5 feet). No OLM or TLM observed in bottom of Holder 5.

- OLM and TLM were observed above the Silty-Clay Unit outside Holder 5 (SB-11) and in an approximate 6-inch lens of coarse fill 34.5 feet beneath the West 18th Street sidewalk (MW-224).

- Brown LNAPL with a strong petroleum odor was observed at boring SB-10 (8.4 to 8.8 feet bgs) located within Holder 5 in vicinity of current or former USTs.

5.2.2.6 Impacts at Block 690, Lot 40

- No presumed impacts at this property based on observations at adjacent parcels during both investigation and remediation phases.

5.2.2.7 Impacts at Block 690, Lot 42

Property: **Block 690, Lot 42**

Former MGP Land Use	Coal and stores yard
Current Land Use	Part of new 9-story condominium
Non MGP-Related UST on property?	No
Remedial Status	No remedy required

- No significant MGP-related impacts detected (Roux 2005).

- Site has been closed with NFA status and has been redeveloped as a residential property. NYSDEC has designated Lot 42 as requiring "No Further Action" due to the absence of MGP-related impacts on the property.

- Consistent with the RI Work Plan, this site was not investigated to apparent lack of impacts. No MGP-related impacts expected on this property due to historical use as a pipe storage and lack of related impacts on adjacent lots 20 and 42 as described in the following sections.

5.2.2.8 Impacts at Block 690, Lot 46

Property: **Block 690 Lot 46**

Former MGP Land Use	Lumber yard (not associated with MPG)
Current Land Use	Part of new 11-story condominium (under construction)
Non MGP-Related UST on property?	No
Remedial Status	Approved remedy in place

- Property has been remediated through excavation and installation of a perimeter wall seated into the Silty Clay Unit.
- Remedy has removed or contained both petroleum LNAPL (previously observed at water table) and TLM observed in the Fill Unit and in the top of Silty-Clay Unit.

Cribbing and very coarse fill were encountered during the RI and its occurrence and configuration was physically verified during implementation of the remedy.

5.2.2.9 Impacts in West 19th Street Right-of-Way

- Shallow petroleum LNAPL was observed at soil boring SB-15 (approximately 5 to 13 feet bgs).
- OLM and TLM detected at several locations (SB-12, SB-15, SB-203, SB-274, and SB-275) in sidewalks and street in discrete intervals within the Fill Unit down to the top of the Silty-Clay Unit. However, and as indicated on Figures 8, 9, 10, and 11, the residual NAPL observed in the sidewalks and streets does not represent continuous areas of NAPL impacted soils, rather isolated disconnected lenses within the Fill Unit.

Property: **West 19th Street Right-of-Way**

Former MGP Land Use	Street
Current Land Use	Street
Non MGP-Related UST on property?	No
Remedial Status	None identified.

5.2.2.10 Impacts at Block 691, Lot 1

Property: **Block 691, Lot 1**

Former MGP Land Use	Gas Holder 2
Current Land Use	Building used as prison.
Non MGP-Related UST on property?	No
Remedial Status	No remedy identified

- No OLM or TLM was observed.
- Because of access limitations, borings could not be advanced within the former holder, or to a depth coincident with the top of Silty Clay Unit.
- No presumed impacts at this property based on observations at adjacent parcels.

5.2.2.11 Impacts at Block 691, Lot 11

Property: **Block 691, Lot 11**

Former MGP Land Use	Gas Holder 3
Current Land Use	21-story condominium (under construction)
Non MGP-Related UST on property?	Yes
Remedial Status	Approved remedy in place

- Property has been remediated through excavation and installation of a perimeter wall to bedrock.
- Petroleum and MGP-related odors had been detected in investigations completed prior to remediation.
- No NAPL was observed in Holder 3 bottom.

Impacts at Block 715, Lot 59

- Forensic evidence of petroleum impacts was widespread in vadose zone soil and shallow groundwater as previously reported (ARCADIS, 2009).
- Shallow OLM with petroleum odor was detected at SB-6.
- OLM with MGP-odor was detected at only one location (soil boring SB-4) at bottom of holder 7; holder bottom was detected at 21 feet bgs. MPG-related odors were observed only at soil borings SB-4 and SB-2.

Property: **Block 715, Lot 59**

Former MGP Land Use	Remote gas holders 6 and 7.
Current Land Use	Building used as commercial garage and dispatch facility.
Non MGP-Related UST on property?	Yes
Remedial Status	None identified

5.2.2.12 Impacts along Chelsea Piers and 11th Avenue

Property: **Chelsea Piers and 11th Avenue**

Former MGP Land Use	Portions of former gas holders 1 (in north) and 8 and 10 (in south), and retort house
Current Land Use	Roadway, bike trail and support roads for piers
Non MGP-Related UST on property?	No
Remedial Status	None identified

- NAPL was observed at four boring locations in this area: two west of Block 689 beneath the western end of the former retort house, one location west of Block 690 in an area that was never part of the MGP and one location inside the footprint of former holder 10 (west of Block 688).
- OLM and TLM were observed above the Silty-Clay Unit interface at the two locations beneath the former retort house (SB-26 and MW-231A).

- The NAPL detection at boring SB-216 (west of Block 690) is a thin hardened tar layer occurring within the Fill Unit.

- The NAPL detection at boring SB-245 occurred as trace NAPL blebs in fill at a depth approximately coincident with the former bottom of gas holder 10. No distinct holder bottom was identified.

- Odors of petroleum were detected in shallow groundwater at boring SB-245.

- Sewage-like odors were reported in shallow groundwater at boring SB-26.

- Based on EDR reports, there is an open spill report associated with the Former MTA Pier 57, located approximately 360 feet south of Chelsea Piers.

5.2.3 NAPL Thickness and Recovery

When released to the environment, NAPLs sink through the vadose zone and, if released in sufficient quantities, eventually reach the water table. In the process, soil grains are coated with a film of NAPL and small droplets of the "invading" NAPL body snap off and remain trapped by capillary forces in pore spaces between the soil grains. Referred to as *residual NAPL*, this NAPL is immobile and slowly dissolves and volatilizes as water and soil gas move through the vadose zone. Upon reaching the water table, the main NAPL body will either "float" and spread out across the water table (if it is an LNAPL), or, upon building sufficient capillary pressure to overcome surface-tension effects, sink below the water table (if it is a DNAPL).

DNAPL moves through the saturated zone in response to gravity, the hydraulic gradient (the force exerted by moving groundwater) and capillary pressure. Fine-grained soils such as clay often act as a capillary barrier to downward-moving DNAPL, and can cause the DNAPL to spread laterally and accumulate in depressions in the clay surface. The Silty-Clay Unit beneath the site represents such a capillary barrier. The rate at which DNAPL moves is affected by its viscosity. MGP-related DNAPLs are typically relatively viscous; as a result, they tend to move slowly. As presented in the *NAPL Recovery Pilot Study Work Plan* (ARCADIS 2009), the DNAPL at this site is highly viscous (approximately 27,000 times more viscous than water at ambient temperatures).

The degree to which soil is saturated with NAPL determines whether the NAPL is potentially mobile or not. A NAPL body is potentially mobile if the degree of NAPL

saturation is greater than "*residual saturation.*" The maximum value of residual saturation (that is, the amount of NAPL a given soil can hold before the NAPL becomes potentially mobile) depends upon the characteristics of the soil and the NAPL. If the NAPL saturation is greater than residual saturation, then the potential exists for NAPL mobility, but several other external conditions, such as hydraulic forces and soil types will dictate the actual mobility.

Experience has shown that, for MGP-related NAPLs, one cannot reliably determine whether or not the NAPL observed in a soil sample is potentially mobile. One way to make such a determination is to screen a monitoring well across the NAPL-containing interval in question. If NAPL enters and accumulates in a well, the NAPL is considered potentially mobile.

At the site, LNAPL has not accumulated in any wells. Unlike some MGP plants, the coal carbonization process used to produce the gas at the site did not use petroleum LNAPLs as a feedstock; therefore, LNAPLs are not considered to be a site-related concern.

DNAPL has accumulated in several site wells; all but one of which are NAPL recovery wells that are designed and located to collect potentially mobile DNAPL. The first and only monitoring well to accumulate DNAPL is MW-24B, a well screened in the Sand Unit. TRC measured approximately 5 feet of DNAPL in this well prior to collecting a groundwater sample (TRC 2006a). The occurrence was unanticipated because no NAPL was observed in the screened interval of the well during drilling and no evidence of impacts to the Sand Unit, which underlies the Silty-Clay Unit, was identified elsewhere at the site. It is suspected that the source of the DNAPL is above the Silty-Clay Unit and that the DNAPL migrated downward along the well bore, which may have been improperly sealed.

DNAPL accumulation data are presented in Table 6. As shown in the table, eight NAPL recovery wells were installed at the site. The locations of the recovery wells were based on the approximate location of the historical cribbing, previous observations of NAPL in soil borings and the surface of the Silty-Clay Unit. Details regarding their installation can be found in the *NAPL Recovery Pilot Study Work Plan* (ARCADIS 2009c). The majority of the recovery wells are located in the vicinity of MW-24B.

To date, DNAPL has accumulated in six of the eight recovery wells, and has begun to accumulate again in well MW-24B.[10] Thicknesses in excess of 1 foot have accumulated in wells RW-A, RW-D, RW-E and RW-H. In December 2008, DNAPL was removed from wells RW-D, RW-E and RW-H and yielded 0.5, 0.1 and 2.2 gallons, respectively. In January 2009, a DNAPL recovery test was performed at RW-H. A description of that test, the collected data, and the findings can be found *NAPL Recovery Pilot Study Work Plan* (ARCADIS 2009c).

The *NAPL Recovery Pilot Study Work Plan* is currently being implemented to evaluate the feasibility of designing an automated DNAPL recovery system for this well. To support the test, one sample of DNAPL from the well was tested for density, viscosity and interfacial tension. Results of the pilot study will be presented to the NYSDEC in a forthcoming document.

5.3 Potential Sources of MGP-Related Impacts

The principal MGP wastes of concern as residual source material at the West 18th Street Gas Works are coal-tar NAPLs which occurs in two forms, OLM and TLM, and in varying degrees of saturation, including blebs and sheen as defined in Section 5.2.1 above.

5.3.1 Sources of Coal Tar NAPL Byproducts

Historical operations of the gas works generated coal tar NAPLs, ranging in nature from dense sludges and viscous tars to lighter and less viscous NAPLs, all of which

[10] On February 23, 2007 during the RI field work, artesian conditions were observed for all deep ("B-series") wells located in the western portion of the property (i.e., MW-24B, MW-232B, MW-233B and MW-236B). The condition caused groundwater to discharge from these wells with sufficient force to flow to heights of approximately 6 inches abovegrade. At that time, the stage of the Hudson River was near mid-tide and was not unusually high. The event lasted approximately 2 hours. The groundwater that was discharged to the ground surface from MW-24B had a visible sheen and was collected onto sorbent pads. Although NAPL had previously been observed in MW-24B, no NAPL has re-accumulated in this well since that event. The cause of the artesian flow from the deep aquifer is not known.

were typically denser than water. The West 18th Street Gas Works was operated as a coal carbonization plant, generating gas strictly from the volatiles in coal without enhancement using water or petroleum oils, as was done at carbureted water gas plants (Parsons 2002). Therefore, the plant is not expected to have generated or released substantial quantities of tar-water emulsions or LNAPLs.

NAPLs were principally generated in the works portion of the plant, on Block 689. Here, raw gas generated in the retort house travelled to condensers and scrubbers located immediately east of the retort building (Figure 3; Harpers 1862). The majority of NAPL would have been generated in these stages, having settled from the process water and condensed from the gas prior to entering the purifier house on the extreme east end of the property.

The disposition of NAPL is not documented. No tar wells or holding tanks are identified in the historical literature. A fraction of the NAPL was presumably sold to third parties, potentially removed from the site via ship or rail.

The distribution of NAPL observed at the site is consistent with historical losses of coal tar at multiple points within the former gas works. As described in Section 5.5, the most significant impacts observed at the site occur beneath the former works, on Block 689. The highest concentration of NAPL observations is in the center of the current block, near the eastern end of the former retort house, the condensers and scrubbers. NAPL detections outside the works area are much less frequent.

NAPL migration may have occurred historically. Migration pathways would have been influenced by variations in the elevation of the clay surface, variability in the fill's porosity and alignments of man-made features such as cribbing walls and piles.

5.3.2 Potential Sources of Purifier Wastes

Gas purification occurred in a building located on the east end of the Block 690 (Figure 3). An 1862 account of the process reported that purification was completed using powdered lime and that the spent material was sold for "the purposes of manure" (Harpers 1862). No historical purifier waste handling areas are known, and spent lime waste has not been observed in any site borings. Coal carbonization plants historically generated large quantities of purifier waste (Hatheway 2006); thus, the absence of these materials at the site supports the historical claim that it was sold or otherwise disposed of offsite.

5.3.3 Background and Post-MGP Sources

As previously discussed in Section 5.1.2.1 of this report, the site is underlain by historical fill which was placed prior to the operation of the MGP at the site. In addition, historical documents and guidance indicate that much of the shoreline in this region of the United States was filled with bulk materials consisting of cinders, ash and debris. These fill materials typically contained concentrations of inorganics and SVOCs above background levels for native soils. The historical fill at this site represents a background source of inorganics and SVOCs that are not related to the operation of the MGP at the site.

As described in the Site Characterization Report (TRC 2006a) and summarized in Section 2.1.1 of this report, 23 petroleum spills have occurred within approximately one-quarter mile of the site and an additional 30 petroleum spills occurred within approximately one-quarter to one-half mile of the site, as reported in the Leaking Storage Tank Incident Reports (LTANKS) section of the NYSDEC environmental records database. Storage tanks exist or formerly existed on at least six of the properties that comprise the site (Block 688, Lots 1001 and 1002; Block 689, Lot 17; Block 690, Lots 12, 20 and 29; and Block715, Lot 59).

6. Analytical Results

A total of 320 soil and 29 groundwater samples were analyzed during this Site-Wide RI and the previous SCS investigations completed on behalf of Con Edison. Prior investigations include:

- Site-wide SCS (TRC 2006a)
- Remedial Investigation of Block 690, Lot 46 (ARCADIS 2006a)
- Remedial Investigation of Block 689, Lot 17 (ARCADIS 2007a)
- Remedial Investigation of Block 715, Lot 59 (ARCADIS 2009b)

This section presents and discusses data from samples collected in un-remediated portions of the site derived from each of the above-mentioned investigations. This report excludes data from samples collected in areas that were subsequently remediated (i.e., Block 691, Lot 11 and Block 690, Lots 12, 42, 46 and 54) because the soil and groundwater at these properties have been addressed by previous remediation conducted there. In addition, data collected from Block 689, Lot 17 in support of the remedial design is not presented in the section. Refer to Appendix A for additional information regarding the pre-design data collection for Block 689, Lot 17.

6.1 Applicable Screening Criteria

Soil and groundwater analytical data were compared to applicable NYSDEC screening criteria, as presented below.

- Soil data are presented on Figures 12 and 13 represent total BTEX and total PAHs relative to their respective screening criteria of 10 mg/L and 500 mg/L (NYSDEC 1994).
- Soil analytical results for VOC, SVOCs and inorganics (presented in Tables 9a, 9b and 9c, respectively) are compared to the more stringent SCOs from either the Residential Restricted Use or the Restricted Use Protection of Groundwater, as promulgated in NYS Subpart 375-6: Remedial Program Soil Cleanup Objectives, 2006.

- Individual groundwater VOC, SVOC and inorganic results are compared to criteria Ambient Water Quality Standards and Guidance Values (SWQSGVs) for Class GA water as presented in the New York State Technical and Operational Guidance Class GA Standards or Guidance Values, June 1998.

Soil gas data were not compared with any standard, because there are no standards established for soil gas at this time.

6.2 Data Usability Assessment Summary

Field QA/QC samples, including blind duplicates and field blanks, were collected periodically throughout the RI. The analytical results for the blind duplicate samples and the corresponding sample are presented in the data summary tables. DUSRs for all laboratory sample delivery groups are presented in Appendix E. Complete laboratory reports are included in Appendix D.

Results of the data review conducted by ARCADIS are presented in the DUSRs and indicate that the analytical data are acceptable for use in the assessment of soil and groundwater environmental conditions at the site.

6.3 Subsurface Soil

6.3.1 Volatile Organic Compounds in Soil

As shown in Table 9a, 31 VOCs were detected in 286 samples collected throughout the site. Of these VOCs, the most common are the BTEX compounds, which represented 56 percent of all detected VOCs and 77 percent of all VOC detections at concentrations greater than their respective SCOs. BTEX, along with the compounds styrene and carbon disulfide, are possibly associated with MGP residues, but may also be components of other common, non-MGP source materials, such as petroleum. Styrene, for example, is a typical component found in gasoline.

The remaining detected VOCs are not typically associated with MGP residuals and may be attributed to the historical fill or post-MGP site operations. These include the common laboratory-introduced VOCs acetone and methylene chloride, which amount to 14 percent of all detections and 16 percent of detections above their respective SCO.

In general, soil samples that contained total BTEX at concentrations greater than 10 mg/kg were associated with either observed MGP or petroleum-related impacts, as described in Section 5.6. The maximum concentration of total BTEX detected in one subsurface soil sample (SB-269 at 33 to 33.7 feet bgs) was 13,000 mg/kg, in the northwest portion of Block 689.

As shown on Figure 12, detections of BTEX at concentrations greater than 10 mg/kg occur as follows:

- **Former Gas Holders 6 and 7 (Block 715, Lot 59).** BTEX concentrations above 10 mg/kg were detected inside and outside of the holder foundations. Detections from samples inside and near the bottoms of the holders (at depths of approximately 19 to 21 feet bgs) correlate with observed TLM and MGP-related odors. BTEX detected at concentrations above 10 mg/kg in the vadose zone and shallow groundwater both inside and outside the holders are associated with observed petroleum impacts as confirmed by forensic evaluation (ARCADIS 2009), and is further described in Section 2.3.2.

- **Former Gas Holder 8 and 10 (Chelsea Pier and 11th Avenue).** Two samples with BTEX concentrations above 10 mg/kg were detected in this area. One sample correlates with TLM observed near the inferred depth of the former holder bottom (SB-245 from 20 to 20.5 feet bgs). The second sample correlates with MGP-related odors detected above the Silty-Clay Unit (SB-247 from 33 to 34 feet bgs).

- **West 19th Street Right-of-Way.** Three soil samples containing BTEX at concentrations above 10 mg/kg were collected at depths ranging from 17 to 24 feet bgs in the vicinity of the former cribbing wall (SB-203, SB-274 and SB-275) and correlate with observed TLM. BTEX detections at boring SB-205 (near the intersection of West 19th Street and 10th Avenue) correlate with petroleum odors detected near the water table (8 to 14 feet bgs).

- **Former Gas Holders 4 and 5 and adjacent storage areas (Block 690, Lots 20 and 29).** Two soil samples with BTEX concentrations above 10 mg/kg correlate with observations of TLM at the base of gas holder 4 (SB-MTP-2) and outside of holder 4 (MW-224). Soils containing BTEX at concentrations above 10 mg/kg also occur in the vadose zone (SB-222 at 1 to 3 feet bgs) and near the water table (SB-MTP-1 at 8 to 9 feet bgs) where there were no observable indications of MGP impacts. BTEX impacts in shallow soils and groundwater, in addition to petroleum

odors noted multiple soil borings installed at the property, are presumed to be associated with a nearby UST(s).

- **Former Works Area and surrounding streets (Block 689).** The presence of BTEX in soil samples at concentrations above 10 mg/kg correlate closely with the observed distribution of OLM and TLM beneath the former works area. In general, the highest concentrations of BTEX occur in the central, southern and northwestern portions of Block 689 within the fill layer above the Silty Clay Unit. These conditions are also predominantly observed in samples collected from the fill unit at depths below the water table (i.e., greater than 8 to 9 feet bgs). BTEX concentrations above 10 mg/kg in the vadose zone were only detected in one sample (SB-265 at 4 to 5 feet), a location near the center of Block 689 in which OLM was observed. The deepest soil samples that contained BTEX at concentrations above 10 mg/kg (SB-231 at 44 to 45 feet and SB-233 at 43 to 44 feet) were both collected from the uppermost Silty-Clay Unit, immediately beneath the bottom of the fill. No BTEX, and none of the other VOCs detected in soil samples collected from samples below the Silty Clay Unit, exceeded their respective SCOs.

6.3.2 Semivolatile Organic Compounds in Soil

As shown in Table 9b, 39 SVOCs were detected from 287 subsurface soil samples collected throughout the site. Of these SVOCs, the most common are PAHs, specifically indeno(1,2,3-cd)pyrene, benzo(a)anthracene, chrysene, benzo(a)pyrene, benzo(b)fluoranthene, dibenzo(a,h)anthracene, benzo(k)fluoranthene and naphthalene. These PAHs account for 78 percent of all SVOCs detected at concentrations greater than their respective SCO. Only four non-PAH SVOCs were detected at concentrations above their SCO: dibenzofuran, 4-methylphenol, 2-methylphenol and phenol.

In general, soil samples that contained total PAH concentrations greater than 500 mg/kg also exhibited evidence of MGP-related impacts, including odors, staining, OLM or TLM. However, if significant concentrations of PAHs are also derived from the ash and cinder fill materials present on the site and unrelated to MGP operations. The maximum concentration of total PAHs detected in a soil sample was 410,000 mg/kg. This soil sample was collected from sample SB-274 from a depth of 23 to 24 feet bgs. The soil boring was located in West 19th Street near the former cribbing wall. This sample was collected in the Urban Fill Unit and correlates with observed TLM in the interval sampled.

As shown on Figure 13, detections of PAHs at concentrations greater than 500 mg/kg occur as follows:

- **Former Remote Gas Holders 6 and 7 (Block 715, Lot 59).** PAH concentrations above 500 mg/kg were detected in two samples collected inside the base of holder 7 (Well Cluster C and SB-4). These detections occurred immediately above the holder floor (between 19 to 21 feet bgs) and correlate with observed TLM and MGP-related odors. These samples also correlate with BTEX concentrations greater than 10 mg/kg in the soil samples collected from the 19 to 21 foot depth interval. Shallow soil samples collection from the vadose zone within the holders as well as soil samples collected outside the holders did not contain PAHs at concentrations above 500 mg/kg although the corresponding BTEX concentrations exceeded 10 mg/kg. This distinction reflects a separate non-MGP-related petroleum source driving VOC impacts in the vadose zone and outside the holders on this property.

- **Former Gas Holder 8 and 10 (Chelsea Pier and 11th Avenue).** One sample with PAH concentrations above 500 mg/kg (SB-245 at 20 to 20.5 feet bgs) was collected within the footprint of holder 10. This sample correlates with observed TLM and is at the approximate depth of the former holder bottom.

- **West 19th Street Easement.** Three soil samples with PAH concentrations above 500 mg/kg were collected at depths below the water table, ranging from 17 to 24 feet bgs in the region of the former cribbing wall (SB-203, collected from 17 – 17.5 bgs; SB-274 collected from 23 – 24 bgs; and SB-275 collected from 22 – 23 bgs;). These samples correlate with observed TLM and with coincident BTEX concentrations greater than 10 mg/kg.

- **Former Gas Holders 4 and 5 and adjacent storage areas (Block 690, Lots 20 and 29).** Two samples with PAH concentrations above 500 mg/kg correlate with observations of TLM: Soil sample SB-MTP-2 (18 to 19 feet bgs) collected from the base of gas holder 4 and Soil sample MW-224 (28 to 28.5 feet bgs) collected from outside of holder 5. A third location outside of holder 5 (SB-223 at 18 to 28.5) contained PAHs greater than 500 mg/kg, where a faint odor was reported.

- **Former Works Area and surrounding streets (Block 689).** The occurrence of PAHs in soil samples at concentrations above 500 mg/kg correlate closely with the observed distribution of OLM and TLM beneath the former works area. The distribution is also very similar to the distribution of BTEX concentrations above 10

mg/kg. In general, the highest detections of PAHs occur in the central, southern and northwestern portions of the block. These samples were predominantly located in the Urban Fill Unit at depths below the water table (i.e., greater than 8 to 9 feet bgs). Impacts above 500 mg/kg PAHs were detected in the vadose zone in three samples: SB-265 (4 to 5 feet), SB-253 (6.5 to 7 feet) and SB-280 (7 to 9 feet). The sample from SB-265 (beneath the southeast corner of the former retort house) correlates with observed OLM. The samples from SB-253 and SB-280 (beneath the former purifier house) are not associated with observed OLM or TLM, and may reflect unrelated PAHs in fill materials. The deepest sample location with PAH concentrations above 500 mg/kg are collocated with the deepest BTEX detections above 10 mg/kg in the northwestern portion of the block. The sample (SB-233 at 43 to 44 feet) was collected from the uppermost Silty-Clay Unit, immediately beneath the bottom of the fill.

6.3.3 Inorganic Analytes in Soil

Twenty-three metals and total and amenable cyanide were detected in subsurface soil (see Table 9c). Of these inorganics, five analytes exceeded their respective SCOs in at least one sample: lead, mercury, arsenic, copper and cyanide. In general, the soil sample locations with inorganic detections greater than their respective SCOs are evenly distributed across the site. The concentrations of inorganics detected across the site are consistent with the presence of historical fill and are also naturally occurring components of native soils.

As indicated in the table below, detections of inorganics above their SCO are not consistently present in the same samples where BTEX concentrations exceed 10 mg/kg or PAH concentrations exceed 500 mg/kg. There appears to be no correlation between concentrations of these inorganics and the presence of MGP or petroleum impacts. As such, the detected concentrations of inorganic analytes are attributed to their natural occurrence in soil or as components of the urban fill material.

Inorganic Analyte	No. Samples Where Detected	No. Samples Where Detected Above SCO	No. Exceedances Collocated With BTEX > 10 mg/kg or PAH > 500 mg/kg
Lead	258	18	3
Mercury	203	12	2
Arsenic	231	7	3
Copper	258	3	1
Total Cyanide	92	9	3

Of the inorganics detected, cyanide is a byproduct commonly associated with purifier residues. However, no purifier wastes were detected in any of the numerous borings completed during the RI, and SCS. Therefore the occasional detection of total cyanide above the associated SCO are attributed to the historical fill. Cyanide was detected at concentrations above the SCO (27 mg/kg) in four general locations:

- **Former purifying house (Block 689)**. Three samples in this area exceeded the cyanide SCO. The highest concentration of cyanide detected at the site was detected here (1,280 mg/kg at SB-253 [6.5 to 7 feet bgs]). No apparent purifier wastes (e.g., blue-stained wood chips or spent lime) were observed in that boring. The next highest concentration of cyanide detected in the area was one order of magnitude less (128 mg/kg) at SB-280 (5 to 7 feet bgs) The remaining soil sample with concentrations of cyanide detected in the area was (40.1 mg/kg) at SB-234 (16.5 to 17 feet bgs).

- **Former gas holders 6 and 7 (Block 715, Lot 59)**. Samples from three borings in this area exceeded the SCO for cyanide (SB-A, SB-2 and Well Cluster C). The samples were collected inside the gas holder foundations at depths of 19 to 21 feet, (i.e., at the bottom of the holder foundations). Concentrations in the samples ranged from 27.7 mg/kg to 190 mg/kg. No purifier wastes were detected in these or any other of the many samples collected at this property.

- **Former gas holder 4 (Block 690, Lot 29)**. One sample in this area exceeded the SCO for total cyanide, at a concentration of 179 mg/kg. Similar to the detections in gas holders 6 and 7, this detection occurred in a sample from the base of the holder foundation (18 to 19 feet bgs). No purifier wastes were identified at this property.

- **Adjacent to the former retort house (West 18th Street).** One sample (collected boring SB-227 from 6.8 to 7.3 feet bgs) contained total cyanide at a concentration of 179mg/kg. No purifier wastes were identified here.

6.4 Groundwater Analytical Results

A total of 27 groundwater samples were collected during the RI as discussed in Section 4.5.3. Groundwater analytical results for VOCs, SVOCs, and inorganics are summarized in Tables 10a, 10b and 10c, respectively. Groundwater analytical data are available for 26 monitoring wells, located on Block 715, Lot 59 (former gas holder 6

and 7) and Block 689, Lot 17 (former works area). The groundwater analytical results are discussed in Sections 6.4.1, 6.4.2 and 6.4.3.

6.4.1 VOCs

Groundwater analytical results for VOCs are summarized in Table 10a. As shown in this table, 19 VOCs were detected at least once in samples from 26 monitoring wells at the site. Of the 19 detected VOCs, 10 were reported at concentrations above their respective NYS AWQSGV Class GA criteria.

The principal VOCs detected at concentrations above criteria in wells screened in the Urban Fill Unit are BTEX compounds and MTBE. BTEX is commonly associated with MGP residues, but is also a component of other non-MGP source materials, most notably gasoline and other petroleum products. The compound MTBE is a gasoline additive and is not associated with MGP residues. The detection of MTBE is a significant indicator of gasoline impacts to groundwater.

BTEX compounds are not present at significant concentrations in groundwater in the Sand Unit, reflecting the absence of MGP and petroleum impacts below the Silty-Clay Unit. The chlorinated VOCs trichloroethene and cis-1,2-dichlroethene are found above criteria in several Sand Unit monitoring wells, reflecting a non-MGP-related, off-site source. The only significant detection of BTEX compounds in the Sand Unit occurred at well MW-24B (Block 689), where coal-tar DNAPL has previously accumulated. As discussed in Section 5.2.2.2, the presence of NAPL in this well likely relates to faulty well construction; thus, the dissolved-phase VOC detections here are biased by the NAPL and are not representative of formation groundwater quality.

Benzene is the most prevalent VOC detected in groundwater at the site. The distribution of benzene detections is shown on Figure 14. Detected concentrations of benzene range from 1.8 µg/L (MW-233A) to 15,000 µg/L (at Well Cluster A3 on Block 715, Lot 59). Concentrations of benzene are greatest at locations where either petroleum or MGP-related NAPL has been observed at or near the well.

As detailed in the Block 715, Lot 59 RI Report (ARCADIS 2009), shallow VOC impacts to groundwater on this property reflect a petroleum source (or multiple sources), while deeper VOC detections at wells screened near the bottom of and within the former gas holder foundations reflect MGP-related source material. This source attribution is supported by field observations, forensic data evaluation (described in Section 6.5.2) and the presence of non-MGP-related compounds such as MTBE. In particular:

- The gasoline additive MTBE was detected in all but one of the monitoring wells sampled on Block 715, Lot 59 (the Sand Unit well MW-5B was the exception). Where detected, MTBE concentrations ranged from 23 µg/L in MW-5 (just outside holder 7) to 500 µg/L in MW-11 (north of holder 7), indicating widespread MTBE impacts throughout the property.

- The spatial distribution of MTBE detections suggests that one or more undocumented LUSTs may exist in the western holder and/or outside the holders to the north.

- MTBE has been detected in both shallow groundwater, as expected based on its association with a petroleum source, and in deeper groundwater samples where MGP residuals represent the predominant impacts. The vertical distribution of the MTBE, particularly inside both holders, is interpreted to reflect a combination of downward diffusion (from a shallow source).

At Block 689, Lot 17, the detected concentrations of benzene and other VOCs in shallow groundwater are generally low relative to Block 715, Lot 59 (up to 6.9 µg/L benzene at MW-24A). The highest detections of VOCs in groundwater in the Urban Fill Unit on Block 689 occur in MW-233C, screened in a recess in the Silty-Clay Unit surface, in soils that contain strong odors and black discoloration (Figure 14).

6.4.2 SVOCs

Groundwater analytical results for SVOCs are summarized in Table10c. A total of 23 SVOCs were detected at least once in samples from 26 monitoring wells located on Block 715, Lot 59 and Block 689, Lot 17. Of the 23 detected compounds, 13 were reported at concentrations that exceeded the NYS AWQSG Class GA criteria.

The principal SVOCs detected above criteria include eight PAHs, four phenolic compounds and 1,1'-biphenyl. These compounds may be found in MGP residues, but can also be derived from fill materials containing ash or cinders, and from some petroleum products. The PAH naphthalene was the most prevalent SVOC, detected in groundwater in 85 percent of samples, exceeding criteria in 54 percent of samples. The compound phenol exceeded criteria as frequently as naphthalene (54 percent of samples).

In general, SVOCs were detected at higher concentrations in shallow wells screened in the Urban Fill Unit. The only significant detections of SVOCs in a deep well occurred at

well MW-24B (Block 689) where, as described above, the results are attributed to DNAPL that entered the well due to faulty well construction, not dissolved SVOC impacts present in the formation.

The highest concentrations of SVOCs detected in groundwater occur at locations where MGP-related NAPL was observed in the associated soils. The highest concentration of naphthalene (5,800 µg/L at MW24B) occurred at a well known to contain measurable NAPL.

6.4.3 Inorganic Analytes

Six metals and total and amenable cyanide were detected in groundwater. As shown in Table 10c, all detected inorganic analytes were below the NYSDEC AWQSG Class GA criteria for samples from Block 689, Lot 17.

6.5 Fingerprint Analysis Results

On Block 715, Lot 59, cyanide was the only inorganic analyte detected above criteria. Total cyanide concentrations ranged from 3.8 µg/L in MW-5B to 540 µg/L in Well Cluster A3. Less than 50 percent of the samples contained a total cyanide concentration greater than the Class GA groundwater standard of 200 µg/L.

Selected samples were submitted for fingerprint analysis to assess the probable source or sources of hydrocarbons in the samples (petroleum vs. coal tar) from two parts of site: Block 689, Lot 17 (the former works area) and Block 715, Lot 58 (former remote gas holders 6 and 7). This section summarizes the findings of those investigations.

6.5.1 Block 689, Lot 17 Fingerprint Analysis

In February 2007, seven soil samples from four locations on the western half of Block 689 were submitted for fingerprint analysis to assess the probable source(s) of NAPL and sheens observed in the samples.

The fingerprint analytical results were reviewed by an ARCADIS forensic chemist to assess the probable source(s) of hydrocarbon (petroleum vs. coal tar) present in seven soil samples from four locations on Block 689, Lot 17 where residual NAPL was observed. The samples were evaluated using data generated by USEPA Method 8015 for TPH GRO, TPH DRO, as well as individual constituent PAH analyses. The samples

of interest were SB256 (5 to 10 feet bgs), SB263 (11 to 13 feet bgs), SB266 (17.5 to 18.5 feet bgs) and four subsurface samples at SB265 (4 to 5, 9 to 10, 10.5 to 11.5 and 19 to 20). DRO and GRO results are provided in Table 9b of the Block 689, Lot 17 RI Report (ARCADIS 2007) provided in Appendix A. As part of the TPH analyses, gas chromatogram (GC) patterns of each sample were also evaluated.

For the samples listed above, the GC fingerprints of both the GRO and DRO exhibit patterns that are typical of coal tar rather than petroleum products. A review of the concentration and distribution of PAHs in these samples also indicates the presence of coal tar rather than petroleum products. Petroleum products do not typically contain detectable amounts of the 5- and 6-ring PAHs that are present at elevated concentrations in these samples. In petroleum products, the percent of PAHs to the TPH value is typically less than 0.1 percent. In contrast, the relative percent of PAHs to the TPH value for coal tar type products is typically 25 to 60 percent depending on the extent of weathering of the tar and type of TPH analysis. Except for SB-265 (19 to 20 feet bgs), the relative percent of PAHs to the TPH value are in the range of 25 to 60 percent, which is characteristic of coal tar products.

In summary, the elevated concentrations of hydrocarbons determined by GRO and DRO analyses in the soil samples of interest are most likely due to the presence of coal tar type products and not petroleum as inferred by the ‘gasoline’ and ‘diesel’ designations of the two TPH analyses.

In April and May 2008, an additional five soil samples from three locations were submitted for fingerprint analysis to assess the probable source of OLM observed in the central portion of Block 689 (i.e., samples SB-334A [11 feet bgs], SB-334A [14 feet bgs], SB-338B [11 feet bgs], SB-338B [20 to 21 feet bgs] and SB-339A [19 to 20 feet bgs]). VOC and SVOC analytical results for these samples are summarized on Tables 9a and 9b, respectively. Similar to the prior fingerprinting study, the distribution of detected constituents was found to be more consistent with coal tar type products than petroleum.

6.5.2 Block 715 Lot 59 Forensic Analysis

In August and September 2008, seven soil and eight groundwater samples were collected at a variety of locations on Block 715, Lot 59 for forensic analysis. The evaluation entailed the analytical suite of PIANOS compounds.

The analysis showed that, in contrast to samples from Block 689, Lot 17 (where the impacts were determined to be of MGP origin), the samples from Block 715, Lot 59 had a gasoline, coal tar or mixed gasoline-coal tar source. The major conclusions of the forensic analysis include:

- The sample locations at SB-C, Well Cluster A (Shallow), SB-B (Shallow) and MW-8 contain chemical signatures for both soil and groundwater that most closely resemble gasoline products.

- Well Cluster A and SB-B deeper soil and groundwater reveal chemical signatures resembling a mixture of gasoline and coal tar.

- Well Cluster C (shallow/deep) revealed coal tar products in soil and groundwater samples.

Detailed analyses and discussion of the results are contained in the Block 715, Lot 59 RI Report (ARCADIS 2009), provided in Appendix A.

6.6 Soil Gas Analytical Results

In April 2007, ARCADIS conducted a soil vapor survey on the Block 689 Lot 17 in consideration of proposed property redevelopment plans. Nine soil vapor samples and two ambient air samples were collected during the survey. The soil vapor analytical results indicated that the majority of the compounds detected in soil vapor only were also detected in the ambient air. Table 11 presents the results of the soil vapor survey. From Table 11, of the 35 compounds detected in soil vapor, 23 of the compounds (or 66 percent) were also detected in ambient air. The compounds detected in soil vapor only were:

1,1,1Trichloroethane	Chlorobenzene	N-Dodecane	2,3 Dimethylpentane
1,2,4 Trichlorobenzene	Chloroethane	Styrene	2 Methylpentane
1,4 Dichlorobenzene	Chloroform	Trichloroethene	
	Isopropylbenzene	Vinyl Chloride	

Compounds detected both in soil vapor and ambient air includes:

1,2,4-Trimethylbenzene	Carbon Tetrachloride	Chloromethane
Ethylbenzene	m-Xylene & p-Xylene	n-Heptane
n-Hexane	o-Xylene	Tetrachloroethene
Toluene	Trichlorofluoromethane	

The results of the soil gas survey indicate that the majority of compounds detected are not attributable to historical MGP operations. Potential compounds related to historical MGP operations (isopropylbenzene, ethylbenzene, toluene and xylene) were also detected in ambient air and could be attributed to other historical operations on site (including the fuel service station and rail yard).

6.7 Risk Assessment

A formal risk assessment was not performed for this RI; however, the levels of MGP-related impacts noted above are consistent with those identified, evaluated and documented in the Site Characterization Report (TRC 2006a). That study found the following:

> *In summary, subsurface soil and groundwater are mediums of concern that could contribute to potentially complete exposure pathways. The only receptors who may be directly exposed to subsurface soils is [sic] the construction worker. It is noted that on-Site tenants/residents and off-site tenants may be indirectly exposed to subsurface soil containing COCs if this media [sic] becomes airborne as dust (e.g., particulate inhalation during construction activities). The only receptor who may be exposed to groundwater is the construction worker. The potential for a complete exposure pathway in association with sub-slab vapors exists across the Site due to the presence of elevated VOCs in subsurface soil and groundwater. However, the majority of the VOCs detected in the shallow subsurface soil and groundwater are not attributed to MGP residues but rather are most directly related [sic] to the numerous documented and suspected petroleum spills throughout and in the vicinity of the Site*.

7. Summary and Conclusions

An RI was conducted at the site (NYSDEC Site No. V00530) in compliance with VCA No. D2-003-02-8 between Con Edison and the NYSDEC. Based on the results of the field observations and measurements, sample analytical results and subsequent evaluation of the data generated during the RI, the objectives of the RI have been satisfied.

The key findings of the investigation are outlined below.

7.1 Site Background

- The West 18th Street Works was located on the Lower West Side section of the Borough of Manhattan in New York City, NY and operated from between 1833 through 1903. The former site extended from 10th Avenue to former 12th Avenue between W. 16th St. and W. 20th St. A small parcel was located along the south side of W. 18th St. east of 10th Avenue.

- Currently, the land that comprises the former site is occupied by roadways, art galleries, offices, warehouses, trucking, parking lots, a correctional institution and recreation facilities.

- Historically the shoreline of the Hudson River was located along 10th Avenue and the land that contained the former works was reclaimed (filled). As part of this process, timber 'cribbing' filled with boulders and other coarse materials were placed in the river to stabilize the river bed during backfilling. The cribbing is still present in the subsurface along the east side of West Side Highway (Route 9A) beneath several blocks that border this roadway.

7.2 Hydrogeology

- Three stratigraphic units were encountered during the SCS and RI as summarized below:

  Urban Fill Unit: consists of construction debris (brick, cinders, ash and wood) intermingled with undifferentiated brown to black sand, cobbles, gravel and silt varies between approximately 10 and 50 feet, averages approximately 20 feet beneath the majority of the site.

Silty-Clay Unit: is present beneath the majority of the Site underlies the Urban Fill Unit. It consists of variably colored silt and clay with trace fine sand. The Silty-Clay is a relatively low permeability unit and acts to effectively isolate groundwater in the Fill Unit from water in the underlying sand unit. In a similar way, this unit serves as barrier to the vertical migration coal tar DNAPL. In certain areas within the site, where depressions occur on the upper surface of this unit, coal tar NAPL has been observed to accumulate.

Sand Unit: consists of stratified layers of fine to coarse sand, with intervals of gravel and occasional lenses of silt or silty fine sand.

- The water table occurs in the Fill Unit throughout the Site, at depths between approximately 8 and 11 ft bgs. Groundwater flow in the Fill and Sand Units generally flow generally from east to west toward the Hudson River. The direction of groundwater flow is locally influenced by anthropogenic features such as basement foundations and pile walls.

- Holders beneath Block 715 appear to be relatively competent as observed visually and as evidenced by the consistent differences of water elevations inside as compared to the elevations of groundwater outside the holder structures.

- Despite the proximity of the site to the Hudson River, the influence of tidal fluctuations in the river on the water table elevations is limited to the areas immediately adjacent to the present-day bulkhead.

7.3 Source Materials

- Accumulations of coal tar DNAPL were generally detected in two key areas of the site: the former works area (Block 689) and the west end of block 690. A remedy for Blocks 689, which includes NAPL recovery, has been developed and approved by NYSDEC. Several parcels on Block 690 have already been remediated.

- The most significant accumulations of coal tar occur in depressions on the surface of the Silty-Clay Unit beneath Block 689, where the former works were operated. Up to approximately 10 feet of NAPL-saturated fill were detected in soil borings installed in the western-most area of this block. The measured viscosity of coal tar DNAPL from this parcel is approximately 27,000 cp and is highly viscous.

- Both petroleum and MGP-related impacts were detected in the subsurface soil on Block 715 Lot 59. Significant petroleum impacts, as LNAPL, staining, sheens and odors and elevated headspace total VOCs measured with PID were detected. The sources of these impacts are the former and existing USTs used to store petroleum products. Trace MGP impacts as TLM and or OLM staining and odors were detected in the bottom of the two former gas holder foundations (approximately 22 ft bgs) present beneath this parcel.

7.4 Soil Quality

- VOCs and SVOCs were detected at concentrations above respective SCOs in subsurface soil. In general, the highest concentrations were detected in samples where coal tar or petroleum NAPL was observed. However, other occurrences of elevated VOC and SVOC concentrations were detected throughout the Urban Fill material where no apparent MGP-related impacts were evident and are consistent with the quality of soil that comprise the fill.

- Metals and total cyanide were detected in all soil samples above their respective SCOs and are generally attributed to the ambient soil quality of the Urban Fill at the site.

7.5 Groundwater Quality

- Groundwater quality in the area of Manhattan where the site is located is degraded due to: the quality of the fill material in which the water table resides; active and current petroleum release sites within and upgradient from the former site; localized occurrences of MGP residues (coal tar); the quality of native near shore (tidal marsh) sediments that were present prior to infilling; the presence of numerous open, influences from the Hudson River; leakage from underground sewer pipes and residues from the former gas works present in the subsurface.

- VOCs were detected in the shallow groundwater at concentrations above their associated AWQSGV. The most prevalent VOCs detected at concentrations above their associated AWQSGV were the BTEX compounds. In addition, the gasoline additive MTBE was also prevalent at elevated concentrations (above its associated guidance value) in groundwater beneath and adjacent to Block 715, Lot 59. Elevated VOCs in groundwater are associated with areas containing MGP-related OLM/TLM and/or petroleum source areas and thus occur as discrete localized plumes.

- SVOCs detected above their respective Class GA groundwater standards or values included several PAH and phenolic compounds. For the most part, the distribution of SVOCs in groundwater mimics the distribution of VOCs in groundwater discussed above.

- Metals were predominately detected at concentrations below their respective Class GA standards. Metals are naturally-occuring components of soil and urban fill and do not appear to be related with the MGP impacts observed. Of the inorganics detected in groundwater, only total cyanide was detected at elevated concentrations in 8 of the 17 samples collected from Block 715. Lot 59.

7.6 Soil Vapor Intrusion Assessment

The soil gas survey indicated that the majority of compounds detected are not attributable to historical MGP operations. Potential compounds related to historical MGP operations (isopropylbenzene, ethylbenzene, toluene and xylene) were also detected in ambient (outdoor) air, and could be attributed to other historical operations on site (including the fuel service station and rail yard).

7.7 Forensics Analysis

Selected soil and groundwater samples were analyzed for fingerprint analysis to assess the probable source or sources of hydrocarbons (e.g., petroleum vs. coal tar) in the samples from the two areas of the site. The results of these forensic analyses are summarized below.

Block 689, Lot 17 (the former works area): Results of the analyses indicated that soil and groundwater impacts in samples from Block 689, Lot 17 are predominantly MGP-related.

Block 715, Lot 58 (former remote gas holders 8 and 9): Impacted subsurface soil on Block 715, Lot 58 reflect areas with discrete and localized MGP coal tar residual source material and impacts. However, the forensic results showed that petroleum (i.e., gasoline) impacts due to releases from one or more of the multiple on-site USTs were Former USTs located inside the east holder foundation are a source of the petroleum hydrocarbons observed in soil and shallow groundwater. Based on the distribution of petroleum impacts, other unidentified LUSTs are suspected in the west holder and/or outside of holder foundations.

Impacts to the vadose zone and shallow groundwater on this property are primarily limited to petroleum-related sources that are unrelated to the former MGP. Large fluctuations in the water table appear to have produced a large smear zone of petroleum impacts.

Soil and ground water inside the holder foundations were affected by both sources, while the soil and groundwater outside the holder was primarily impacted by petroleum releases unrelated to operations of the former gas holders. One key finding is that MTBE, which is a gasoline additive and is not related to coal tar, was prevalent in groundwater across the site, both inside and outside the holder foundations.

7.8 Human Health Exposure Assessment

As reported in the Site Characterization Study Report (TRC 2006a), it is concluded that the that the potential exposures have not changed. The key exposures identified by TRC are as follows:

1) Consistent with this finding, the subsurface soil and groundwater are mediums of concern that could contribute to potentially complete exposure pathways.

2) Construction workers were the only receptors identified that may be directly exposed to subsurface soils.

3) Onsite tenants/residents and offsite tenants may be indirectly exposed to subsurface soil containing COCs if this media becomes airborne as dust (e.g., particulate inhalation during construction activities).

4) The only receptor who may be exposed to groundwater is the construction worker.

5) A potential for a complete pathway for exposure to VOCs in soil gas exists across the areas of the site where localized soil or groundwater impacts have been identified. It is noted that much of the shallow subsurface impacts of VOCs are associated with the numerous documented and suspected petroleum spills throughout and in the site vicinity. Subsurface impacts related to MGP

residues (e.g., coal tar NAPL) typically occurs at depth away from the groundwater – soil gas interface and is not anticipated to that these sources directly contribute significantly to VOCs detected in soil gas.

7.9 Conclusions and Recommendations

The RI objectives were achieved. Based on the findings outlined above, the site has been sufficiently characterized to allow completion of an Alternatives Analysis to evaluate potential remedies for the remaining MGP impacts at the site.

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ARCADIS

Tables

Table 1. Summary of Site History, Consolidated Edison, West 18th Street, New York, New York

Source	Site Description
1833 - Assessed Valuation or Real Estate through 1836 and 1842	• **Block 689** o Construction of retort houses, condensers, scrubbers, purifying house, laboratories, and shops begin. Property is identified to be owned by Manhattan Gas Light Company. • William Hockman owned a steam mill on Block 690. • Remaining lots were either residencies or small shops.
1852 - Map of the City of New York (Dripps, 1852)	• Site is identified as the Manhattan Gas Company Works • **Block 689** o The MGP expanded on the eastern side of the block to include an additional detached purifying house. • **Block 666** o Newly created by landfilling, the block was used for river access and as a coal yard for the MGP. • **Block 690** o Two open gas holders are located on the eastern end of the block between West 19th Street and West 18th Street • **Block 715** o Two gas holders are located within a warehouse in the middle of the block alongside West 18th Street to the north.
1859 - Insurance Maps of the City of New York (Perris and Company, 1859)	• **Block 689** o Depicts a new MGP layout. o The retort house has been expanded to include six groups of 160 retorts a piece, for a total of 960 retorts. o A large coal house is to the west of the retort house to store coal after being unloaded from the adjacent waterfront pier. o A laboratory alongside West 18th Street is east of the retort house. o South of the laboratory, there is a building containing condensers, scrubbers, and washers. o The purifying house alongside 10th Avenue has been expanded and stretches the entire length of the block. o An engine house, boiler house, and bank of workshops are alongside West 17th Street. o The center of the block is labeled as a coke yard. • **Block 666** o Newly acquired property is used as a lime yard. • **Block 688** o Four gas holders with a capacity of 250,000 cubic feet of gas are located on Block 688. o The western end was used as a coal yard. • **Block 690** o The pair of gas holders previously depicted are identified as having a capacity of 225,000 cubic feet each. • **Block 691** o Two more gas holders are depicted in the location that the gas company purchased in 1866, suggesting either that the gas company was leasing the property before buying it, or more likely, that this map was updated between the 1859 and 1869 editions by "pasting over" a common practice for insurance maps in the nineteenth century. · Surrounding lots have developed as well. A woodyard, wagon factory, and "Whiting Factory" have develop on the non MGP parts of Block 688. A "Distillery and Manufactory of Compressed Yeast" complex, a paint factory, a cooperage, and bottery complex occupy non MGP lots of Block 690. Additional factories, stone works, cooperages, and wood yards occupy other surrounding lots.
1869 - Insurance Maps of the City of New York (Perris and Browne, 1869)	• **Block 688** o MGP has expanded to include another coal yard to the east of the four gas holders. • **Block 690** o MGP has expanded to include another large coal yard. o Newly acquired property used as a pipe yard. • **Block 691** o The two gas holders previously depicted are now owned by Manhattan Gas Light Company. o Other newly acquired property used as a coal yard.
1870's - Public Service Commission 1909	• **Block 715** o The two gas holders have been replaced.
1884 - Consolidated Gas Company of New York, A History (Collins 1934)	• The Manhattan Gas Light Company joined with five other local gas companies to form the Consolidated Gas Company in 1884.
1895 Sanborn Fire Insurance Map	• **Block 691** o One new large gas holder on the western side of the block is depicted.
1903 - Map to Accompany the Sale of Buildings	• **Block 691** o The single large gas holder on the western side of the block is for sale.

Table 1. Summary of Site History, Consolidated Edison, West 18th Street, New York, New York

Source	Site Description
1904 - Map to Accompany the Sale of Buildings	• **Block 689** o MGP structures on the western portion of the block are for sale. • **Block 688** o The four gas tanks are for sale.
	• To extend the piers into the Hudson River (for longer boats), but not decrease the width of the river (for navigational reasons) the piers were extended inland, locating about one third of their total length on solid ground. The procedure required excavating many of those areas which have been landfilled during the 1830's. • **Block 688** o Block was truncated to the west to allow for the longer inland piers. • **Block 689** o Block was truncated to the west to allow for the longer inland piers. • **Block 690** o Block was truncated to the west to allow for the longer inland piers. • **Block 691** o Block was truncated to the west to allow for the longer inland piers. • **Block 666** o Block was eliminated completely to allow for the longer inland piers. · Six gas holders still remained in use at the MGP for a total capacity of 1,410,000 cubic feet, and the MGP was being used for shops, distribution, and experimental work, etc.
1921 Sanborn Fire Insurance Map	• **Block 688** o The Merchants Refrigerating Company purchased the lot and have constructed a ten-story warehouse with basement, covering the entire block. • **Block 689** o New York State Reality and Terminal Company Purchased the lot. o The retort house has been razed, and replaced with a small store. o Property alongside 10th Avenue is being used by the United Electric Light and Power Company for cable and pipe storage. o The condenser house is being used as box storage. o The former laboratory is marked as packing box factory and foundry. • **Block 690** o A large garage is depicted over the portion of the block fronting West 18th Street. Buried gasoline tanks are likely under the garage. o Much of the block is used as a wagon yard. o Consolidated Gas Company still owns a pipe yard. o An automobile repair shop is depicted. o A hotel is located in the corner of West 19th and 11th Avenue. • **Block 691** o Block was used as a wagon yard and office buildings. o Remaining lots are vacant. • **Block 715** o Original building is retro-fitted and used as a garage.
1950 Sanborn Fire Insurance Map	• **Block 688** o The New York Central Railroad Company purchased the lots and razed the former MGP buildings. o A railroad yard and small office are depicted. • **Block 689** o More garages and offices are depicted. o The Huntoon Ice Company has two warehouses for storing ice in the block. • **Block 691** o A building for the YMCA is depicted.
1969 Sanborn Fire Insurance Map	• **Block 688** o An automobile service station and garage were built along West 17th Street, near 11th Avenue. • **Block 689** o One of the Huntoon Ice Company warehouses is depicted as a movie studio. o The lot with the hotel is vacant.
1985 Sanborn Fire Insurance Map	• **Block 689** o Structures and garages have been razed. The block is just a parking lot.

Table 2. Location and Purpose of Soil Borings Completed for the Remedial Investigation, Consolidated Edison, West 18th Street, New York, New York

Boring Identification	Street or Block/Lot Number	Date Drilled	Drilling Method	Boring Depth (ft bgs)	Location	Purpose
Envirotrac Monitoring Wells						
MW-11	18th St.	2/10/05	HSA	19	Southern Sidewalk on W.18th St between 9th and 10th Ave, in front of Block 715, Lot 59	Outside of gas holders
MW-12	18th St.	2/10/05	HSA	19	Southern Sidewalk on W.18th St between 9th and 10th Ave, in front of Block 715, Lot 59	Up/cross gradient from former USTs, outside of gas holders
MW-13	18th St.	2/10/05	HSA	19	Northern sidewalk on W.18th St between 9th and 10th Ave, north of front of Block 715, Lot 59	Outside of gas holders
TRC Soil Borings/Monitoring Wells/Test Pits						
SB-1	715/59	5/14/05	Direct-Push	6.5	Southeastern corner of Block 715, Lot 59	SE of Former Gas Holder #7
SB-2	715/59	5/6/05	Direct-Push	20.5'	Center of Block 715, Lot 59	Inside Former Gas Holder #7
SB-3	715/59	5/6/05	Direct-Push	20	South central area of Block 715, Lot 59	Southeast of former gas holder #6 and Southwest of former gas holder #7
SB-4	715/59	5/5/05	Direct-Push	21	Northwestern corner of Block 715, Lot 59	Inside Former Gas Holder #6
SB-5	715/59	6/3/05	Direct-Push	31	Western side of Block 715, Lot 59	SW of Former Gas Holder #6
MW/SB-5A	715/59	5/2/05	Direct-Push	22	Located southwest of the former gas holder designated as Gas Holder No. 6 (within the Verizon building).	Identify potential impacts hydraulically downgradient from former MGP holders and other operations.
MW/SB-5B	715/59	6/8/05	Direct-Push	42	Located southwest of the former gas holder designated as Gas Holder No. 6 (within the Verizon building).	Identify potential impacts from former MGP activities in the deeper aquifer, if present.
SB-6	715/59	5/13/05	Direct-Push	72	Block 715, Lot 59	NW of Former Gas Holder #6
SB-7	10th Ave.	8/9/04	HSA	46	Located on corner of 10th Ave and W19thSt. Adjacent to former gas holder designated as Gas Holder No. 4 on the parking lot property near West 19th Street and 10th Avenue.	Identify potential impacts upgradient of former MGP holders and other operations.
MW-7A	10th Ave.	8/10/04	HSA	17	Located on corner of 10th Ave and W19thSt. Adjacent to former gas holder designated as Gas Holder No. 4 on the parking lot property near West 19th Street and 10th Avenue.	Identify potential impacts upgradient of former MGP holders and other operations.
SB-8	10th Ave.	8/11/04	HSA	45	Located on 10th Ave between W18th and W19th Streets	Located east of former gas holders designated as Gas Holder Nos. 4 and 5 in
MW-8	18th St.					Outside of gas holders
SB-9	690/20&29	9/18/04	HSA	34	Northern portion of Block 690, Lot 29	Inside of Gas Holder 4
SB-10	690/20&29	9/18/04	HSA	50	Southern portion of Block 690, Lot 29	Inside Gas Holder 5
SB-11	690/20&29	9/18/04	HSA	39	Southwestern portion of Block 690, Lot 29	Outside of Gas Holders 4 and 5
MW-12A	690/20&29	9/11/04	HSA	17	Located west of former gas holders designated as Gas Holder Nos. 3 and 4 in the Mendon Trucking Company Parking Lot.	Identify potential impacts hydraulically downgradient from former MGP holders and other operations.
MW-12B	690/20&29	9/12/04	HSA	50.75	Located west of former gas holders designated as Gas Holder Nos. 4 and 5 in the Mendon Trucking Company Parking Lot.	Identify potential impacts from former MGP activities in the deeper aquifer, if present.
SB-14A	690/20&29	10/3/04	HSA	25	Located west of former gas holders designated as Gas Holder Nos. 4 and 5	Identify potential impacts from former MGP operations.
SB-15	19th St.	8/19/04	HSA	25	Southern sidewalk on 19th St, in front of Block 690, Lot 46	Northern section of the Gas Light Co. Storage Yard
SB-18	CP	7/20/04	HSA	43	Chelsea Piers service road, west of Route 9A and Block 690, Lot 12	Near river, down gradient from holders
SB-20	689/17	5/2/04	HSA	51	Southwestern corner of Block 689, Lot 17	Down gradient from Holders 6 and 7
SB-21	689/17	5/4/04	HSA	23	Eastern section of Block 689, Lot 17	Identify potential impacts from former MGP operations.
SB-22	689/17	3/27/04	HSA	27	North, central portion of Block 689, Lot 17	Identify potential impacts from former MGP operations.
SB-23	689/17	3/27/04	HSA	25	Center portion of Block 689, Lot 17	Identify potential impacts from former MGP operations.
MW/SB-24A	689/17	4/26/04	HSA	16	Located along the southern border of the former Retort House within the parking lot at Block 689, Lot 17	Identify potential impacts from former MGP operations.

See Notes on Page 8.

Table 2. Location and Purpose of Soil Borings Completed for the Remedial Investigation, Consolidated Edison, West 18th Street, New York, New York

Boring Identification	Street or Block/Lot Number	Date Drilled	Drilling Method	Boring Depth (ft bgs)	Location	Purpose
TRC Soil Borings/Monitoring Wells/Test Pits (Continued)						
SB-25	689/17	4/26/04	HSA	36	Northwestern corner of Block 689, Lot 17	Identify potential impacts from former MGP operations.
MW-24B	689/17	4/25/04	HSA	55	Located along the southern border of the former Retort House within the parking lot at Block 689, Lot 17	Identify potential impacts from former MGP activities in the deeper aquifer, if present.
SB-26	CP	7/26/04	HSA	37	Chelsea Piers service road, west of Route 9A and Block 690, Lot 12	Identify potential impacts from former MGP operations.
SB-27	CP	7/22/04	HSA	45	Chelsea Piers service road, west of Route 9A and Block 690, Lot 13	Identify potential impacts from former MGP operations.
SB-29	10th Ave.	11/7/04	HSA	50	Located in the southeast corner of the former Coal Yard between West 16th and West 17th Streets.	Identify potential impacts within the former Coal Yard.
MW-29A	10th Ave.	11/7/04	HSA	20	Located in the southeast corner of the former Coal Yard between West 16th and West 17th Streets.	Identify potential impacts within the former Coal Yard. Monitoring well location may be side- or downgradient to former Gas Holders Nos. 6 and 7.
SB-30	17th St.	10/30/04	HSA	86	Southern sidewalk on W.17thSt., between Rt.9A and 10th Ave., north of Block 688, Lot 750	Identify potential impacts from former MGP operations
SB-31	691	10/9/04	HSA	27	Located northeast of the former gas holder designated as Gas Holder No. 2 along West 20th Street and in front of Block 691, Lot 50	Identify potential impacts from former MGP operations.
MW-31A	691	10/9/04	HSA	14	Located northeast of the former gas holder designated as Gas Holder No. 2 along West 20th Street and in front of Block 691, Lot 51	Identify groundwater quality hydraulically upgradient from former MGP holders and other operations.
MW-34A	691	5/22/04	HSA	12.5	Located south of the former gas holder designated as Gas Holder No. 3, along the northern sidewalk of West 19th Street.	Identify potential impacts hydraulically downgradient from former MGP holders and other operations.
SB-34	691	8/12/04	HSA	75	Located south of the former gas holder designated as Gas Holder No. 3, along the northern sidewalk of West 19th Street.	Identify potential impacts hydraulically downgradient from former MGP holders and other operations.
SB-39	CP	7/21/04	HSA	27	Chelsea Piers service road, west of Route 9A and Block 691, Lot 11	Identify potential impacts from former MGP operations.
MW/SB-40A	CP	7/26/04	HSA	19	Located southwest of the former gas holder designated as Gas Holder No. 1, adjacent to Chelsea Piers.	Identify potential impacts hydraulically downgradient from former MGP holders Nos. 1, 2 and 3. Determine the presence or absence of DNAPL migration towards the Hudson River.
MW/SB-40B	CP	7/28/04	HSA	84	Located southwest of the former gas holder designated as Gas Holder No. 1, adjacent to Chelsea Piers.	Identify potential impacts from former MGP activities in the deeper aquifer, if present.
SB-43A	CP	7/23/04	HSA	24	Located south of Chelsea Piers, west of Route 9A and west of Block 688, Lot 1001.	East of former Gas Holders (Nos. 8, 9, 10, and 11)
SB-43B	CP	8/2/04	HSA	9	Located south of Chelsea Piers, west of Route 9A and west of Block 688, Lot 1001.	West of former Gas Holders (Nos. 8, 9, 10, and 11)
SB-44	CP	8/2/04	HSA	9	Located south of Chelsea Piers, west of Route 9A and west of Block 688, Lot 1001.	West of former Gas Holders (Nos. 8, 9, 10, and 11)
SB-45	CP	7/22/04	HSA	37	Located south of Chelsea Piers, west of Route 9A and west of Block 688, Lot 1001.	Identify potential impacts from former MGP operations (inside of gas holder)
SB-46	CP	7/23/04	HSA	6	Located south of Chelsea Piers, west of Route 9A and west of Block 688, Lot 1001.	West of former Gas Holders (Nos. 8, 9, 10, and 11)
SB-47	689/17	5/3/04	HSA	19	Northeastern corner of Block 689, Lot 17	Identify potential impacts from former MGP operations

See Notes on Page 8.

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Boring Identification	Street or Block/Lot Number	Date Drilled	Drilling Method	Boring Depth (ft bgs)	Location	Purpose
TRC Soil Borings/Monitoring Wells/Test Pits (Continued)						
SB-48	689/17	5/3/04	HSA	21	Southern portion of Block 689, Lot 17	Northeast of former Gas Holders (Nos. 8, 9, 10, and 11)
SB-49	689/17	4/28/04	HSA	24	Center portion of Block 689, Lot 17	Identify potential impacts from former MGP operations
SB-50	689/17	4/27/04	HSA	33	Northwestern portion of Block 689, Lot 17	Identify potential impacts from former MGP operations
SB-51	689/17	4/27/04	HSA	33	Western portion of Block 689, Lot 18	Identify potential impacts from former MGP operations
SB-52	689/17	5/1/04	HSA	35	Northwestern portion of Block 689, Lot 18	Identify potential impacts from former MGP operations
SB-90	691	11/4/05	Direct-Push	6	Southern portion of Block 691, Lot 1	Identify potential impacts hydraulically downgradient from former MGP holders and other operations.
SB-91	691	11/4/05	Direct-Push	15	Southern portion of Block 691, Lot 1	Identify potential impacts hydraulically downgradient from former MGP holders and other operations.
SB-92	691	11/4/05	Direct-Push	15	Northeast corner of Block 691, Lot 1	Identify potential impacts hydraulically downgradient from former MGP holders and other operations.
TP-1	715/59	4/27/05	Excavator	4.2x2x2	Block 715, Lot 59	Identify potential impacts from former MGP operations
TP-1B	715/59	5/4/05	Excavator	3x7.5x2	Block 715, Lot 59	Identify potential impacts from former MGP operations
TP-2	715/59	9/12/04	Excavator	11x10x2	Block 715, Lot 59	Identify potential impacts from former MGP operations
TP-3	715/59	5/1/04	Excavator	7.7x19.6x3	Block 715, Lot 59	Identify potential impacts from former MGP operations
TP-6	715/59	5/2/04	Excavator	10x16x3.25	Block 715, Lot 59	Identify potential impacts from former MGP operations
ARCADIS Soil Borings/Monitoring Wells						
BORING A	689/17	3/27/08				
MTP-1	690/20&29	2/10/07	SONIC	25	Southern section of Block 690, Lot 29	Placed between SB-11 (odors, staining and T-OLM detected) and SB-12 (odors, staining and T-OLM detected)
MTP-2	690/20&29	2/10/07	SONIC	25	Northern section of Block 690, Lot 29	Inside of holder located on Block 690, Lot 29
MTP-3	690/20&29	3/3/07	SONIC	25	Northeastern portion of Block 690, Lot 20	Down gradient from gas holders located on Block 690, Lot 29, down/cross gradient from SB-11 (odors, staining and T-OLM detected)
SB-12	19th St.	4/25/06	SONIC	46		
SB-19SBA	19th St.	3/5/07	SONIC	25	North sidewalk of W19thSt in front of Block 691, lot 15	Identify potential impacts from former MGP operations
SB-203	19th St.	10/18/06	SONIC	30	North side of 19th Street sidewalk, near western corner of Block 691, Lot 15.	SB-34 (odors, staining and T-OLM detected)
SB-204	19th St.	10/17/06	SONIC	35	North side of 19th Street sidewalk, near eastern corner of Block 691, Lot 15.	SB-15 and SB-13 (odors, staining and T-OLM detected)
SB-205	19th St.	10/13/06	SONIC	35	North side of 19th Street sidewalk, center of Block 691, Lot 29.	SB-9 (odors)
SB-208	690/20&29	1/20/07	SONIC	20	Block 690, Lot 20, towards the northwestern portion of the property.	SB-12 (confirm no impacts in area)
SB-209	690/20&29	1/20/07	SONIC	25	Block 690, Lot 29, under the Highline Elevated Rail Tracks (Defunct)	SB-9 and SB-12 (odors)
SB-210	690/20&29	12/16/07	SONIC	37.3	South side of 19th Street sidewalk, abutting Block 690, Lot 29	SB-9 (odors)
MW/SB-213	690/20&29	2/10/07	SONIC	20	Block 690, Lot 20, northwest portion of property.	Identify potential impacts in the fill unit hydraulically downgradient from the MW-14 cluster (odor)
SB-214	690/20&29	1/21/07	SONIC	20	Block 690, Lot 20, northwest portion of property.	SB-12 (odors) and SB-14 (NVI)
SB-215	690/20&29	12/16/06	SONIC	36		
SB-216	CP	6/29/06	SONIC	60	Chelsea Piers service road, west of Route 9A and Block 690, Lot 12	SB-18 and SB-26 (odors, staining and T-OLM) detected)

See Notes on Page 8.

Table 2. Location and Purpose of Soil Borings Completed for the Remedial Investigation, Consolidated Edison, West 18th Street, New York, New York

Boring Identification	Street or Block/Lot Number	Date Drilled	Drilling Method	Boring Depth (ft bgs)	Location	Purpose
ARCADIS Soil Borings/Monitoring Wells (Continued)						
MW/SB-219	18th St.	10/17/06	SONIC	40	Block 690, Lot 20, southwestern portion of property.	East of remediation area, and south of SB-14 (odors, staining and T-OLM)
SB-220	18th St.	10/17/06	SONIC	30	South of Block 690, Lot 20, in the northern portion of West 18th Street (mid-block).	South of SB-14, southwest of remediation area (odors, staining and T-OLM)
SB-221	690/20&29	1/20/07	SONIC	25	Block 690, Lot 20, south central portion of the property.	Located between SB-11, SB-12 and SB-14 (odors, staining and T-OLM)
SB-222	690/20&29	1/21/07	SONIC	20	Block 690, Lot 20, south eastern portion of the property.	West of SB-11 (odors, staining and T-OLM)
SB-223	18th St.	10/13/06	SONIC	40	South of Block 690, Lot 20, in the northern portion of West 18th Street near 10th Avenue.	South of SB-10 and SB-11 (odors, staining and T-OLM)
MW/SB-224	18th St.	10/11/06	SONIC	45	Southeast of Block 690, Lot 29, on the sidewalk.	South of SB-10 (odors, staining, and T-OLM) and to identify potential impacts in the fill unit hydraulically side/upgradient from former Gas Holders (Nos. 3 and 4)
SB-226	18th St.	10/14/06	SONIC	74	On the southern sidewalk of West 18th Street, north of Block 689, Lot 17 (western side of the lot).	North of SB-25 (non-petroleum sheen) and south of remediation area, with a focus on DNAPL
SB-227	18th St.	10/18/06	SONIC	30	South sidewalk, W.18thSt., between 10th and 11th	North of SB-50 and south of remediation area (odors, staining, and T-OLM)
SB-228	18th St.	10/19/06	SONIC	50	On the southern sidewalk of West 18th Street, north of Block 689, Lot 17 (eastern side of the lot).	North of SB-19 (no impacts) and SB-47 (non-petroleum sheen)
SB-229	10th Ave.	3/3/07	SONIC	30	On the sidewalk along 10th Avenue, east of Block 689, Lot 17	East of SB-19 (sheen)
MW/SB-231	CP	6/29/06	SONIC	50	Chelsea Piers service road, west of Route 9A and Block 689, Lot 17.	SB-26 (odors, staining, T-OLM) and SB-27. Also to identify potential impacts in the fill unit hydraulically downgradient from the remediation area and west of MW-24 cluster (sheen)
MW/SB-232A	689/17	1/16/07	SONIC	18	Northwestern portion of Block 689, Lot 17.	Between SB-24 cluster (odors, staining, T-OLM) and SB-25 (non-petroleum sheen), focus on DNAPL. Also to identify potential impacts in the fill unit near MW-24 cluster.
MW/SB-232B	689/17	1/16/07	SONIC	78	Northwestern portion of Block 689, Lot 17.	Between SB-24 cluster (odors, staining, T-OLM) and SB-25 (non-petroleum sheen), focus on DNAPL. Also to identify potential impacts in the underlying aquifer near MW-24 cluster.
MW/SB-233A	689/17	1/19/07	SONIC	18	Western portion of Block 689, Lot 17.	East of SB-24 cluster (odors, staining, T-OLM), focus on DNAPL. Also to identify potential impacts in the fill unit near MW-24 cluster.
MW/SB-233B	689/17	1/19/07	SONIC	82	Western portion of Block 689, Lot 17.	East of SB-24 cluster (odors, staining, T-OLM), focus on DNAPL. Also to identify potential impacts in the underlying aquifer near MW-24 cluster.
MW/SB-233C	689/17	1/19/07	SONIC	42	Western portion of Block 689, Lot 17.	East of SB-24 cluster (odors, staining, T-OLM), focus on DNAPL. Also to identify potential impacts at bedrock near MW-24 cluster.
SB-234	689/17	1/25/07	SONIC	30	Northeastern portion of Block 689, lot 17.	South of SB-19 (sheen) and SB-47 (non-petroleum sheen)
SB-235	CP	6/29/06	SONIC	60	Chelsea Piers service road, west of Route 9A and West 17th Street.	South of SB-27 (sheen), north of SB-43 (no impact)
MW/SB-236A	689/17	1/21/07	SONIC	18.75	Southwestern portion of Block 689, Lot 17.	South of SB-24 cluster (odors, staining, T-OLM), focus on DNAPL. Also to identify potential impacts in the fill unit near MW-24 cluster.

See Notes on Page 8.

Table 2. Location and Purpose of Soil Borings Completed for the Remedial Investigation, Consolidated Edison, West 18th Street, New York, New York

Boring Identification	Street or Block/Lot Number	Date Drilled	Drilling Method	Boring Depth (ft bgs)	Location	Purpose
ARCADIS Soil Borings/Monitoring Wells (Continued)						
MW/SB-236B	689/17	1/22/07	SONIC	71	Southwestern portion of Block 689, Lot 17.	South of SB-24 cluster (odors, staining, T-OLM), focus on DNAPL. Also to identify potential impacts in the underlying aquifer near MW-24 cluster
SB-237	17th St.	(2/28/07) 3/4/2007	(HSA) SONIC	(11.5) 25	On the northern sidewalk of West 17th Street, southwestern area of Block 689, Lot 17.	Southeast of SB-24 (odors, staining, T-OLM) cluster and south of SB-51, focus on DNAPL
MW/SB-238	CP	6/28/06	SONIC	40	South of Chelsea Piers, west of Route 9A and Block 688, Lot 1001.	East of SB-43 (no impacts), SB-44 (odor), SB-45 (odor), SB-46 (no impacts) area. Also to identify groundwater quality in the fill unit in the vicinity of the former Gas Holders (Nos. 8, 9, 10, and 11).
SB-245	CP	6/27/06	SONIC	50	South of Chelsea Piers, west of Route 9A and Block 688, Lot 1001.	North of SB-45 (no impacts), southeast of SB-43 (no impacts), SB-44 (odor), and SB-46 (no impacts)
SB-247	CP	6/28/06	SONIC	40	Within the building footprint, southwestern area of Block 688, Lot 1001.	Unexplored area, east of former Gas Holders (Nos. 8, 9, 10, and 11)
SB-250	689/17	1/24/07	SONIC	30	South of SB-49, southern portion of Block 689, Lot 17	Identify potential impacts from former MGP operations
SB-251	689/17	1/25/07	SONIC	20	West of SB-48, south of SB-49, southern portion of Block 689, Lot	Identify potential impacts from former MGP operations
SB-252	689/17	1/24/07	SONIC	20	Near SB-23, center section of Block 689, Lot 17	Identify potential impacts from former MGP operations
SB-253	689/17	1/25/07	SONIC	20	East of SB-21, eastern section of Block 689, Lot 17	Identify potential impacts from former MGP operations
SB-254	690/20&29	3/3/07	SONIC	20	Block 690, Lot 12	West of SB-11, North of SB-222 (odors, staining and T-OLM), identify potential impacts from former MGP operations
SB-256	689/17	2/1/07	SONIC	20	Between SB-22 and SB-49, near center of Block 689, Lot 17	Identify potential impacts from former MGP operations
SB-262	17th St.	2/28/07	HSA	23	Northern sidewalk on W.17thSt., between Rt.9A and 10th Ave., south of Block 690, Lot 17	Identify potential impacts from former MGP operations
SB-263	17th St.	2/28/07	HSA	19	Northern sidewalk on W.17thSt., between Rt.9A and 10th Ave., south of Block 690, Lot 18	Identify potential impacts from former MGP operations
SB-265	689/17	2/2/07	SONIC	20	East of SB-49, center section of Block 689, Lot 17	Identify potential impacts from former MGP operations
SB-266	689/17	2/1/07	SONIC	25	Southwest of SB-51, eastern section of Block 689, Lot 17	Identify potential impacts from former MGP operations
SB-267	689/17	1/31/07	SONIC	40	South of MW-24A/MW-24B, along western edge of Block 689, Lot 17	Identify potential impacts from former MGP operations
SB-268	689/17	2/2/07	SONIC	45	South of SB-52A, northwestern corner of Block 689, Lot 17	Identify potential impacts from former MGP operations
SB-269	689/17	2/1/07	SONIC	35	West of SB-50A, northwestern corner of Block 689, Lot 17	Identify potential impacts from former MGP operations
SB-270	18th St.	3/4/07	SONIC	25	Southern sidewalk on W.18thSt., between Rt.9A and 10th Ave., northern edge of Block 689, Lot 17	Identify potential impacts from former MGP operations
SB-271	689/17	2/2/07	SONIC	20	Northern edge of Block 689, Lot 17	Identify potential impacts from former MGP operations
SB-272	18th St.	3/5/07	SONIC	25	Northern sidewalk, W.18thSt., between Rt.9A and 10th Ave.	Identify potential impacts from former MGP operations
SB-273	10th Ave.	3/3/07	SONIC	30	Western sidewalk on 10th Ave., between W18thSt. And W19thSt.	Identify potential impacts from former MGP operations
SB-274	19th St.	3/5/07	SONIC	30	East of SB-15 on southern sidewalk on W.19thSt., in front of Block 690, Lot 46	East of SB-15 (odors, staining and T-OLM detected), identify potential impacts from former MGP operations
SB-275	19th St.	3/4/07	SONIC	30	W.19thSt.	Located south of the former gas holder designated as Gas Holder No. 3, identify potential impacts from former MGP operations
SB-277	689/17	2/26/07	HSA	19	South of SB-21, Block 689, Lot 17	Identify potential impacts from former MGP operations
SB-278	18th St.	10/19/06	HSA	50	Near the highline, northern edge of Block 689, Lot 17	Identify potential impacts from former MGP operations
SB-279	689/17	(2/26/07) 3/1/2007	(HSA) SONIC	(9) 30	East of SB-19 and north of SB-47, northeastern corner of Block 689, Lot 17	Down gradient and across the street from Holders 4 and 5

See Notes on Page 8.

Table 2. Location and Purpose of Soil Borings Completed for the Remedial Investigation, Consolidated Edison, West 18th Street, New York, New York

Boring Identification	Street or Block/Lot Number	Date Drilled	Drilling Method	Boring Depth (ft bgs)	Location	Purpose
ARCADIS Soil Borings/Monitoring Wells (Continued)						
SB-280	689/17	3/1/07	SONIC	30	near eastern edge of Block 689, Lot 17	Identify potential impacts from former MGP operations
SB-281	689/17	2/27/07	HSA	19	underneath highline, eastern section of Block 689, Lot 17	Identify potential impacts from former MGP operations
SB-300	689/17	4/14/08	SONIC	25	Block 689, Lot 17	NAPL Delineation
SB-301	689/17	4/15/08	SONIC	20	Block 689, Lot 17	NAPL Delineation
SB-302	689/17	4/15/08	SONIC	25	Block 689, Lot 17	NAPL Delineation
SB-303	689/17	4/15/08	SONIC	20	Block 689, Lot 17	NAPL Delineation
SB-304	689/17	4/15/08	SONIC	25	Block 689, Lot 17	NAPL Delineation
SB-305	689/17	4/16/08	SONIC	20	Block 689, Lot 17	NAPL Delineation
SB-306	689/17	4/16/08	SONIC	25	Block 689, Lot 17	NAPL Delineation
SB-307	689/17	4/16/08	SONIC	25	Block 689, Lot 17	NAPL Delineation
SB-308	689/17	4/17/08	SONIC	20	Block 689, Lot 17	NAPL Delineation
SB-309	689/17	4/17/08	SONIC	20	Block 689, Lot 17	NAPL Delineation
SB-310	689/17	4/17/08	SONIC	25	Block 689, Lot 17	NAPL Delineation
SB-311	689/17	4/18/08	SONIC	20	Block 689, Lot 17	NAPL Delineation
SB-312	689/17	4/18/08	SONIC	25	Block 689, Lot 17	NAPL Delineation
SB-313	689/17	4/18/08	SONIC	25	Block 689, Lot 17	NAPL Delineation
SB-314	689/17	4/21/08	SONIC	20	Block 689, Lot 17	NAPL Delineation
SB-315	689/17	4/22/08	SONIC	25	Block 689, Lot 17	NAPL Delineation
SB-316	689/17	4/22/08	SONIC	20	Block 689, Lot 17	NAPL Delineation
SB-317	689/17	4/22/08	SONIC	25	Block 689, Lot 17	NAPL Delineation
SB-318	689/17	4/23/08	SONIC	26	Block 689, Lot 17	NAPL Delineation
SB-319	689/17	4/23/08	SONIC	20	Block 689, Lot 17	NAPL Delineation
SB-320	689/17	4/23/08	SONIC	20	Block 689, Lot 17	NAPL Delineation
SB-321	689/17	4/23/08	SONIC	20	Block 689, Lot 17	NAPL Delineation
SB-322	689/17	4/25/08	SONIC	20	Block 689, Lot 17	NAPL Delineation
SB-323	689/17	4/25/08	SONIC	25	Block 689, Lot 17	NAPL Delineation
SB-324	689/17	4/25/08	SONIC	25	Block 689, Lot 17	NAPL Delineation
SB-325	689/17	4/25/08	SONIC	20	Block 689, Lot 17	NAPL Delineation
SB-326	689/17	4/28/08	SONIC	25	Block 689, Lot 17	NAPL Delineation
SB-327	689/17	4/28/08	SONIC	25	Block 689, Lot 17	NAPL Delineation
SB-328	689/17	4/28/08	SONIC	20	Block 689, Lot 17	NAPL Delineation
SB-329	689/17	4/29/08	SONIC	20	Block 689, Lot 17	NAPL Delineation
SB-330	689/17	4/29/08	SONIC	20	Block 689, Lot 17	NAPL Delineation
SB-331	689/17	4/29/08	SONIC	20	Block 689, Lot 17	NAPL Delineation
SB-332	689/17	4/29/08	SONIC	25	Block 689, Lot 17	NAPL Delineation
SB-333	689/17	4/30/08	SONIC	20	Block 689, Lot 17	NAPL Delineation
SB-334	689/17	4/30/08	SONIC	20	Block 689, Lot 17	NAPL Delineation
SB-335	689/17	4/30/08	SONIC	20	Block 689, Lot 17	NAPL Delineation
SB-336	689/17	4/30/08	SONIC	20	Block 689, Lot 17	NAPL Delineation
SB-337	689/17	5/1/08	SONIC	22	Block 689, Lot 17	NAPL Delineation
SB-338	689/17	5/1/08	SONIC	22	Block 689, Lot 17	NAPL Delineation
SB-339	689/17	5/1/08	SONIC	28	Block 689, Lot 17	NAPL Delineation
SB-340	689/17	5/1/08	SONIC	25	Block 689, Lot 17	NAPL Delineation

See Notes on Page 8.

Table 2. Location and Purpose of Soil Borings Completed for the Remedial Investigation, Consolidated Edison, West 18th Street, New York, New York

Boring Identification	Street or Block/Lot Number	Date Drilled	Drilling Method	Boring Depth (ft bgs)	Location	Purpose
ARCADIS Soil Borings/Monitoring Wells (Continued)						
SB-341	689/17	5/2/08	SONIC	45	Block 689, Lot 17	NAPL Delineation
SB-342	689/17	5/5/08	SONIC	20	Block 689, Lot 17	NAPL Delineation
SB-343	689/17	5/5/08	SONIC	25	Block 689, Lot 17	NAPL Delineation
SB-344	689/17	5/5/08	SONIC	20	Block 689, Lot 17	NAPL Delineation
SB-345	689/17	5/5/08	SONIC	20	Block 689, Lot 17	NAPL Delineation
SB-346	689/17	5/6/08	SONIC	20	Block 689, Lot 17	NAPL Delineation
SB-347	689/17	5/6/08	SONIC	20	Block 689, Lot 17	NAPL Delineation
SB-348	689/17	5/6/08	SONIC	20	Block 689, Lot 17	NAPL Delineation
SB-349	689/17	5/7/08	SONIC	20	Block 689, Lot 17	NAPL Delineation
SB-350	689/17	5/7/08	SONIC	35	Block 689, Lot 17	NAPL Delineation
SB-351	689/17	5/8/08	SONIC	35	Block 689, Lot 17	NAPL Delineation
SB-352	689/17	5/8/08	SONIC	30	Block 689, Lot 17	NAPL Delineation
SB-353	689/17	5/8/08	SONIC	26	Block 689, Lot 17	NAPL Delineation
SB-354	689/17	5/9/08	SONIC	13.5	Block 689, Lot 17	NAPL Delineation
SB-355	689/17	5/13/08	SONIC	30	Block 689, Lot 17	NAPL Delineation
SB-356	689/17	5/13/08	SONIC	35	Block 689, Lot 17	NAPL Delineation
SB-357	689/17	5/13/08	SONIC	25	Block 689, Lot 17	NAPL Delineation
SB-358	689/17	5/14/08	SONIC	15	Block 689, Lot 17	NAPL Delineation
SB-359	689/17	5/15/08	SONIC	25	Block 689, Lot 17	NAPL Delineation
SB-360	689/17	5/14/08	SONIC	35	Block 689, Lot 17	NAPL Delineation
SB-361	689/17	5/15/08	SONIC	35	Block 689, Lot 17	NAPL Delineation
SB-362	689/17	5/15/08	SONIC	10	Block 689, Lot 17	NAPL Delineation
SB-363	689/17	5/15/08	SONIC	27	Block 689, Lot 17	NAPL Delineation
SB-364	689/17	5/16/08	SONIC	25	Block 689, Lot 17	NAPL Delineation
SB-365	689/17	5/16/08	SONIC	28	Block 689, Lot 17	NAPL Delineation
SB-366	689/17	5/19/08	SONIC	40	Block 689, Lot 17	NAPL Delineation
SB-367	689/17	5/20/08	SONIC	40	Block 689, Lot 17	NAPL Delineation
SB-368	689/17	5/20/08	SONIC	60	Block 689, Lot 17	NAPL Delineation
SB-369	689/17	5/21/08	SONIC	25	Block 689, Lot 17	NAPL Delineation
SB-370A	689/17	5/21/08	SONIC	23	Block 689, Lot 17	NAPL Delineation
SB-371/RW-B	689/17	5/22/08	SONIC	30	Block 689, Lot 17	NAPL Delineation
SB-372	689/17	5/23/08	SONIC	35	Block 689, Lot 17	NAPL Delineation
SB-373/RW-D	689/17	5/27/78	SONIC	45	Block 689, Lot 17	NAPL Delineation
SB-374	689/17	5/29/08	SONIC	25	Block 689, Lot 17	NAPL Delineation
SB-375	689/17	5/29/08	SONIC	20	Block 689, Lot 17	NAPL Delineation
SB-376	689/17	5/30/08	SONIC	20	Block 689, Lot 17	NAPL Delineation
SB-377	689/17	5/30/08	SONIC	30	Block 689, Lot 17	NAPL Delineation
SB-378	689/17	6/3/08	SONIC	40	Block 689, Lot 17	NAPL Delineation
SB-379	689/17	6/3/08	SONIC	10	Block 689, Lot 17	NAPL Delineation
SB-A	715/59	9/5/08	SONIC	32	Center of Block 715, Lot 59	Identify potential impacts from former MGP operations
SB-C	715/59	9/5/08	SONIC	42	Northern portion of Block 715, Lot 59	Identify potential impacts from former MGP operations
SB-D	715/59	9/4/08	SONIC	26	Southwestern portion of Block 715, Lot 59	Identify potential impacts from former MGP operations
RW-A (100)	689/17	10/6/08	SONIC	29	North of SB-50B, northern edge of Block 689, 17	Identify potential impacts from former MGP operations

See Notes on Page 8.

Table 2. Location and Purpose of Soil Borings Completed for the Remedial Investigation, Consolidated Edison, West 18th Street, New York, New York

Boring Identification	Street or Block/Lot Number	Date Drilled	Drilling Method	Boring Depth (ft bgs)	Location	Purpose
ARCADIS Soil Borings/Monitoring Wells (Continued)						
RW-B	689/17	10/3/08	SONIC	34	South of SB-52B, northeastern corner of Block 689, 17	Identify potential impacts from former MGP operations
RW-E	689/17	10/2/08	SONIC	34.5	East of SB-24, eastern edge of Block 689, Lot 17	Identify potential impacts from former MGP operations
RW-F	689/17	10/1/08	SONIC	39	East of SB-24, eastern edge of Block 689, Lot 17	Identify potential impacts from former MGP operations
RW-G	689/17	10/1/08	SONIC	34	South of SB-24, eastern edge of Block 689, Lot 17	Identify potential impacts from former MGP operations
RW-H	689/17	10/2/08	SONIC	30	South of MW-24A, eastern edge of Block 689, Lot 17	Identify potential impacts from former MGP operations
WELL CLUSTER A	715/59	8/21/08	SONIC	21	Center portion of Block 715, Lot 59	Identify potential impacts from former MGP activities in the deeper aquifer, if present.
WELL CLUSTER B	715/59	8/22/08	SONIC	20.5	Northwestern portion of Block 715, Lot 60	Identify potential impacts from former MGP activities in the deeper aquifer, if present.
WELL CLUSTER C	715/59	8/26/08	SONIC	25	Center portion of Block 715, Lot 59	Identify potential impacts from former MGP activities in the deeper aquifer, if present.

Notes:

1. Soils were observed by the following:
   - TRC Environmental Corporation from March 2004 to June 2005, except borings drilled on February 10, 2005 (Borings MW-10, MW-11, and MW-12).
   - Envirotrac LTD on February 10, 2005 (Borings MW-10, MW-11, and MW-12).
   - ARCADIS from June 2006 to the present.
2. TRC boring locations drilled by:
   - Aquifer Drilling and Testing, Inc. (ADT) of New Hyde Park, New York, at all locations except for borings at locations SB-1 through SB-6, MW-5A, MW-5B, and borings SB-90 through SB-92.
   - Fenley and Nicol Environmental, Inc of Deer Park, New York at boring locations SB-1 through SB-6, MW-5A, and MW-5B.
   - Zebra Environmental of Atlantic Highlands, New Jersey at boring locations SB-90 through SB-92.
3. Test Pits excavated by Fenley and Nicol Environmental, Inc of Deer Park, New York.
4. Envirotrac LTD boring locations drilled by Associated Environmental Services Inc of Hauppauge, New York.
5. ARCADIS boring locations drilled by:
   - Boart Longyear Inc., at all locations except for borings at locations 19SB-A, SB-221, SB-272, SB-274, SB-210, SB-215, SB-262, SB-263, SB-277, SB-278, and SB-280.
   - ADT of New Hyde Park, New York at boring locations SB-210, SB-215, SB-262, SB-263, SB-277, SB-278, and SB-280.
   - Prosonic of Windsor, New Jersey at boring locations 19SB-A, SB-221, SB-272, and SB-274.
6. 689/17 = Block 689, Lot 17.
7. 715/59 = Verizon Property, Block 715, Lot 59.
8. CP = Chelsea Piers and Hudson River Bike Path, Block 662.
9. 690/20&29 = MTP Parking Lot, Block 690, Lots 20 and 29.
10. 10th Ave. = 10th Avenue Right of Way.
11. 17th St. = West 17th Street Right of Way.
12. 18th St. = West 18th Street Right of Way.
13. 19th St. = West 19th Street Right of Way.
14. 691 = Block 691 and surrounding sidewalks.
15. MGP = Manufactured gas plant.
16. TLM = Tar like material.
17. OLM = Oil like material.
18. NAPL = Non-aqueous phase liquid.
19. UST = Underground Storage Tank.
20. NVI = No Visual Impacts.
21. HSA = Hollow Stem Auger.
22. SONIC = Rotosonic.

Table 3. Summary of Sampling Locations and Laboratory Analyses, Consolidated Edison, West 18th Street, New York, New York

Location ID	Depth Range	Date Collected	Cyanide	DRO	Hydrocarbons	Inorganics	SVOCs	VOCs
Air								
DEA-AA01	-	4/20/2007						X
DEA-AA02	-	4/20/2007						X
DEA-SG-01	-	4/20/2007						X
DEA-SG-02	-	4/20/2007						X
DEA-SG-03	-	4/20/2007						X
DEA-SG-04	-	4/20/2007						X
DEA-SG-05	-	4/20/2007						X
DEA-SG-06	-	4/20/2007						X
DEA-SG-07	-	4/20/2007						X
DEA-SG-08	-	4/20/2007						X
DEA-SG-09	-	4/20/2007						X
Groundwater								
MW-1	-	10/2/2008					X	X
MW-2	-	10/2/2008					X	X
MW-3	-	10/1/2008					X	X
MW-4	-	10/1/2008		X			X	X
MW-5	-	10/2/2008					X	X
MW-5A	-	10/2/2008					X	X
MW-5B	-	10/2/2008					X	X
MW-7	-	10/2/2008					X	X
MW-8	-	10/1/2008		X			X	X
MW-11	-	9/30/2008					X	X
MW-12	-	9/30/2008					X	X
MW-24A	-	3/7/2007				X	X	X
MW-24B	-	3/7/2007				X	X	X
MW-232A	-	3/7/2007				X	X	X
MW-232B	-	3/7/2007				X	X	X
MW-233A	-	3/8/2007				X	X	X
MW-233B	-	3/8/2007				X	X	X
MW-233C	-	3/8/2007				X	X	X
MW-236A	-	3/8/2007				X	X	X
MW-236B	-	3/8/2007				X	X	X
WELL CLUSTER A2	-	9/30/2008		X		X	X	X
WELL CLUSTER A3	-	9/30/2008		X		X	X	X
WELL CLUSTER B2	-	10/1/2008		X		X	X	X
WELL CLUSTER B3	-	10/1/2008		X		X	X	X
WELL CLUSTER C2	-	9/30/2008		X		X	X	X
WELL CLUSTER C3	-	9/30/2008		X		X	X	X
Soil								
BORING A	0-5	3/27/2008				X	X	
MTP-1	3-4	2/10/2007				X	X	X
	8-9	2/10/2007				X	X	X
	19-20	2/10/2007				X	X	X
	23-24	2/10/2007				X	X	X
MTP-2	9-10	2/10/2007				X	X	X
	18-19	2/10/2007				X	X	X
	22-23	2/10/2007				X	X	X
	24-25	2/10/2007				X	X	X
MTP-3	8-9	3/3/2007				X	X	X
	24-25	3/3/2007				X	X	X
SB-1	5-5.5	5/3/2005	X			X	X	X
SB-2	1-1.5	5/2/2005	X			X	X	X
	2-2.5	5/2/2005	X			X	X	X
	5-7	5/6/2005	X			X	X	X
	13-15	5/6/2005	X			X	X	X
	19-20.5	5/6/2005	X			X	X	X
SB-3	3-3.5	4/29/2005	X			X	X	X
	5-7	5/6/2005	X			X	X	X
	13-15	5/6/2005	X			X	X	X
	17-19	5/6/2005	X			X	X	X

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Table 3. Summary of Sampling Locations and Laboratory Analyses, Consolidated Edison, West 18th Street, New York, New York

Location ID	Depth Range	Date Collected	Cyanide	DRO	Hydrocarbons	Inorganics	SVOCs	VOCs
Soil (Continued)								
SB-4	5-5.5	5/3/2005	X			X	X	X
	7-9	5/5/2005	X			X	X	X
	9-13	5/5/2005	X			X	X	X
	17-19	5/5/2005	X			X	X	X
	19-21	5/5/2005	X			X	X	X
MW-5B	34-36	6/7/2005	X			X	X	X
SB-5A	17-19	5/2/2005	X			X	X	X
	19-20	5/2/2005	X			X	X	X
	26-28	5/3/2005	X			X	X	X
	31-33	5/3/2005	X			X	X	X
SB-5B	10-11	5/2/2005	X			X	X	X
	11-12	5/2/2005	X			X	X	X
	21-22	5/2/2005	X			X	X	X
SB-6	10-12	5/12/2005	X			X	X	X
	13-15	5/12/2005	X			X	X	X
	19-21	5/12/2005	X			X	X	X
	24-26	5/12/2005	X			X	X	X
	28.5-30.5	5/12/2005	X			X	X	X
SB-203	7-7.5	10/18/2006				X	X	X
	17-17.5	10/18/2006				X	X	X
	24-24.5	10/18/2006				X	X	X
	28.5-29	10/18/2006				X	X	X
SB-204	6.5-7	10/17/2006		X	X	X	X	X
	13.5-14	10/17/2006				X	X	X
	30-30.5	10/17/2006				X	X	X
SB-205	1-2	9/22/2006				X	X	X
	4-5	10/12/2006				X	X	X
	8-8.5	10/12/2006		X	X	X	X	X
	17-17.5	10/12/2006				X	X	X
SB-208	2-3	1/20/2007				X	X	X
	19-20	1/20/2007				X	X	X
	9.5-10	1/20/2007				X	X	X
SB-209	9.4-10	1/20/2007				X	X	X
	11-13	1/20/2007				X	X	X
	19-20	1/20/2007				X	X	X
SB-210	7-9	12/16/2006				X	X	X
	11-13	12/16/2006				X	X	X
	21-23	12/16/2006				X	X	X
	25-27	12/16/2006				X	X	X
	36-37	12/16/2006				X	X	X
MW/SB-213	8-9	2/10/2007				X	X	X
	19-20	2/10/2007				X	X	X
SB-214	5-7	1/21/2007		X	X	X	X	X
	9.5-10	1/21/2007				X	X	X
	11-13	1/21/2007				X	X	X
	19-20	1/21/2007				X	X	X
SB-215	8-10	12/16/2006				X	X	X
	14-16	12/16/2006				X	X	X
	26-28	12/16/2006				X	X	X
	30-32	12/16/2006				X	X	X
	34-36	12/16/2006				X	X	X
SB-216	15-16	6/29/2006				X	X	X
	30-31	6/29/2006				X	X	X
	50-51	6/29/2006				X	X	X
MW/SB-219	5.5-6	10/17/2006				X	X	X
	10-10.5	10/17/2006				X	X	X
	32-32.5	10/17/2006				X	X	X
SB-220	7.5-8	10/16/2006		X	X	X	X	X
	21-21.5	10/16/2006				X	X	X

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Table 3. Summary of Sampling Locations and Laboratory Analyses, Consolidated Edison, West 18th Street, New York, New York

Location ID	Depth Range	Date Collected	Cyanide	DRO	Hydrocarbons	Inorganics	SVOCs	VOCs
Soil (Continued)								
SB-221	2-4	1/20/2007				X	X	X
	6-8	1/20/2007				X	X	X
	24-25	1/20/2007				X	X	X
	9.5-10	1/20/2007				X	X	X
SB-222	1-3	1/21/2007		X	X	X	X	X
	7.5-8.5	1/21/2007				X	X	X
	15-17	1/21/2007				X	X	X
	19-20	1/21/2007				X	X	X
SB-223	12.5-13	10/13/2006		X	X	X	X	X
	17.5-18	10/13/2006				X	X	X
	28-28.5	10/13/2006				X	X	X
	32-32.5	10/13/2006				X	X	X
MW/SB-224	8-8.5	10/12/2006				X	X	X
	34.5-35	10/12/2006				X	X	X
	37.5-38	10/12/2006				X	X	X
SB-226	9-9.5	10/14/2006			X	X	X	X
	32-32.5	10/14/2006				X	X	X
	33.5-34	10/14/2006				X	X	X
SB-227	4.5-5	9/20/2006				X	X	X
	6.8-7.3	10/18/2006		X	X	X	X	X
	24-24.5	10/19/2006				X	X	X
	29-29.5	10/19/2006				X	X	X
SB-228	8-8.5	10/19/2006				X	X	X
	14-14.5	10/19/2006				X	X	X
	28-28.5	10/19/2006				X	X	X
	47-47.5	10/19/2006				X	X	X
SB-229	7-8	3/3/2007				X	X	X
	29-30	3/3/2007				X	X	X
MW/SB-231B	7-8	6/29/2006				X	X	X
	32-35	6/29/2006				X	X	X
	44-45	6/29/2006				X	X	X
	47-48	6/29/2006				X	X	X
MW/SB-232B	0-3	1/16/2007				X	X	X
	9-9.5	1/16/2007				X	X	X
	16-18	1/16/2007				X	X	X
	30.5-31	1/16/2007				X	X	X
	32-34	1/16/2007				X	X	X
	75-76	1/16/2007				X	X	X
MW/SB-233B	2-5	1/19/2007				X	X	X
	9-9.5	1/19/2007				X	X	X
	24-26	1/19/2007				X	X	X
	42-43	1/19/2007		X	X	X	X	X
	43-44	1/19/2007				X	X	X
	44-46	1/19/2007				X	X	X
	78-80	1/19/2007				X	X	X
SB-234	4.5-5	1/25/2007				X	X	X
	12-12.5	1/25/2007				X	X	X
	16.5-17	1/25/2007				X	X	X
	18-18.5	1/25/2007				X	X	X
	22-22.5	1/25/2007				X	X	X
	29.5-30	1/25/2007				X	X	X
SB-235	5-6	6/29/2006				X	X	X
	6-7	6/29/2006				X	X	X
	41-42	6/29/2006				X	X	X
	50-51	6/29/2006				X	X	X
MW/SB-236A	9.5-10.5	1/22/2007				X	X	X
	75-76	1/23/2007				X	X	X
MW/SB-236B	39-40	1/22/2007				X	X	X

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Table 3. Summary of Sampling Locations and Laboratory Analyses, Consolidated Edison, West 18th Street, New York, New York

Location ID	Depth Range	Date Collected	Cyanide	DRO	Hydrocarbons	Inorganics	SVOCs	VOCs
Soil (Continued)								
SB-237	5-7	2/28/2007		X	X	X	X	X
	7-9	2/28/2007		X	X	X	X	X
	8-9	3/4/2007				X	X	X
	9-9.5	2/28/2007		X	X	X	X	X
	11-11.5	2/28/2007		X	X	X	X	X
	17-18	3/4/2007				X	X	X
	24-25	3/4/2007				X	X	X
MW/SB-238	21.5-22.5	6/28/2006				X	X	X
	25-26	6/28/2006				X	X	X
	26-28	6/28/2006				X	X	X
SB-245	9-10	6/26/2006				X	X	X
	14-15	6/26/2006				X	X	X
	20-22.5	6/27/2006				X	X	X
	39.5-40.5	6/27/2006				X	X	X
SB-247	17-19	6/28/2006				X	X	X
	33-34	6/28/2006				X	X	X
	36-37	6/26/2006				X	X	X
SB-250	2-2.5	1/24/2007				X	X	X
	9-9.5	1/24/2007				X	X	X
	23-23.5	1/24/2007				X	X	X
	25-25.5	1/24/2007				X	X	X
	29.5-30	1/24/2007				X	X	X
SB-251	3.5-4	1/25/2007				X	X	X
	15.5-16	1/25/2007				X	X	X
	15-15.5	1/25/2007				X	X	X
	19.5-20	1/25/2007				X	X	X
SB-252	2.5-3.5	1/25/2007				X	X	X
	8-8.5	1/25/2007				X	X	X
	11.5-12.5	1/25/2007				X	X	X
	17-17.5	1/25/2007				X	X	X
	19.5-20	1/25/2007				X	X	X
SB-253	2-3	1/25/2007				X	X	X
	6.5-7	1/25/2007				X	X	X
	14-14.5	1/25/2007				X	X	X
	15.5-16	1/25/2007				X	X	X
	19.5-20	1/25/2007				X	X	X
SB-254	8-9	3/3/2007				X	X	X
	19-20	3/3/2007				X	X	X
SB-256	2.5-3.5	2/1/2007		X	X	X	X	X
	9.5-10	2/1/2007		X	X	X	X	X
	15.5-16.5	2/1/2007		X	X	X	X	X
	19-20	2/1/2007		X	X	X	X	X
SB-262	7-9	2/28/2007		X	X	X	X	X
	13-15	2/28/2007		X	X	X	X	X
	19-21	2/28/2007		X	X	X	X	X
	21-23	2/28/2007		X	X	X	X	X
SB-263	7-9	2/28/2007		X	X	X	X	X
	9-11	2/28/2007		X	X	X	X	X
	11-13	2/28/2007		X	X	X	X	X
	15-17	2/28/2007		X	X	X	X	X
	17-19	2/28/2007		X	X	X	X	X
SB-265	4-5	2/2/2007		X	X	X	X	X
	9-10	2/2/2007		X	X	X	X	X
	10.5-11.5	2/2/2007		X	X	X	X	X
	19-20	2/2/2007		X	X	X	X	X
SB-266	2-5	2/1/2007		X	X	X	X	X
	10-12	2/1/2007		X	X	X	X	X
	17.5-18.5	2/1/2007		X	X	X	X	X
	24-25	2/1/2007		X	X	X	X	X

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Table 3. Summary of Sampling Locations and Laboratory Analyses, Consolidated Edison, West 18th Street, New York, New York

Location ID	Depth Range	Date Collected	Cyanide	DRO	Hydrocarbons	Inorganics	SVOCs	VOCs
Soil (Continued)								
SB-267	2-5	1/31/2007		X	X	X	X	X
	8.5-9.5	1/31/2007		X	X	X	X	X
	25-26	1/31/2007		X	X	X	X	X
	39-40	1/31/2007		X	X	X	X	X
SB-268	1-3	2/2/2007		X	X	X	X	X
	10-11	2/2/2007		X	X	X	X	X
	29-30	2/2/2007		X	X	X	X	X
	44-45	2/2/2007		X	X	X	X	X
SB-269	5-6	2/1/2007		X	X	X	X	X
	9.5-10	2/1/2007		X	X	X	X	X
	29.5-30	2/1/2007		X	X	X	X	X
	33-33.7	2/1/2007		X	X	X	X	X
SB-270	8-9	3/4/2007				X	X	X
	21-22	3/4/2007				X	X	X
	23-24	3/4/2007				X	X	X
	24-25	3/4/2007				X	X	X
SB-271	3-5	2/2/2007		X	X	X	X	X
	10-11	2/2/2007		X	X	X	X	X
	15-16	2/2/2007		X	X	X	X	X
	19-20	2/2/2007		X	X	X	X	X
SB-272	7-8	3/5/2007				X	X	X
	16-17	3/5/2007				X	X	X
	24-25	3/5/2007				X	X	X
SB-273	9-10	3/3/2007				X	X	X
	24-25	3/3/2007				X	X	X
	29-30	3/3/2007				X	X	X
SB-274	7-8	3/5/2007				X	X	X
	23-24	3/5/2007				X	X	X
	29-30	3/5/2007				X	X	X
SB-275	7-8	3/4/2007				X	X	X
	22-23	3/4/2007				X	X	X
	29-30	3/4/2007				X	X	X
SB-277	7-9	2/26/2007		X	X	X	X	X
	11-13	2/26/2007		X	X	X	X	X
	13-15	2/26/2007		X	X	X	X	X
	17-19	2/26/2007		X	X	X	X	X
SB-278	5-7	2/26/2007		X	X	X	X	X
	15-17	2/26/2007		X	X	X	X	X
	17-19	2/26/2007		X	X	X	X	X
	19-21	2/26/2007		X	X	X	X	X
SB-279	14-16	3/1/2007				X	X	X
	20-22	3/1/2007				X	X	X
	24-26	3/1/2007				X	X	X
	28-30	3/1/2007				X	X	X
SB-280	5-7	3/1/2007				X	X	X
	7-9	3/1/2007				X	X	X
	20-22	3/1/2007				X	X	X
	28-30	3/1/2007				X	X	X
SB-281	7-9	2/27/2007		X	X	X	X	X
	9-11	2/27/2007		X	X	X	X	X
	13-15	2/27/2007		X	X	X	X	X
	17-19	2/27/2007		X	X	X	X	X
SB-334A	11-11	4/30/2008					X	X
	14-14	4/30/2008					X	X
SB-338B	11-11	5/1/2008					X	X
	20-21	5/1/2008					X	X
SB-339A	19-20	5/1/2008					X	X
SB-A	2	9/5/2008					X	X
	7-8	3/5/2007				X	X	X
	8	9/5/2008					X	X

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Table 3. Summary of Sampling Locations and Laboratory Analyses, Consolidated Edison, West 18th Street, New York, New York

Location ID	Depth Range	Date Collected	Cyanide	DRO	Hydrocarbons	Inorganics	SVOCs	VOCs
Soil (Continued)								
SB-A (Continued)	21-21	9/5/2008					X	X
	24-25	3/5/2007				X	X	X
	32-32	9/5/2008					X	X
SB-C	9-9.5	10/9/2008					X	X
	14	9/8/2008		X			X	X
	22	9/8/2008		X			X	X
	28-28.5	10/9/2008					X	X
	36	9/9/2008					X	X
	39-39.5	10/9/2008					X	X
	41-41.5	10/9/2008					X	X
SB-D	12	9/4/2008					X	X
	24	9/4/2008					X	X
TP-1B	1-1.5	5/4/2005	X			X	X	X
WELL CLUSTER A	12	8/20/2008		X			X	X
	17	8/21/2008		X			X	X
	20	8/21/2008		X			X	X
WELL CLUSTER B	1-1	8/20/2008					X	X
	9-9.5	10/9/2008					X	X
	10-10	8/22/2008		X			X	X
	20-20	8/22/2008					X	X
	30-30.5	10/9/2008					X	X
	32-32.5	10/9/2008					X	X
WELL CLUSTER C	11	8/26/2008					X	X
	21	8/26/2008		X			X	X

Notes:

1. Samples were collected by the following:
   - TRC Environmental Corporation from April 2005 to May 2005.
   - ARCADIS from June 2006 to the present.
2. Laboratory analysis of the June 2006 samples and the 2008 samples were performed by TestAmerica Laboratories, Inc. (TestAmerica) of Shelton, Connecticut for:
   - Volatile Organic Compounds (VOCs)/Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX) using United States Environmental Protection Agency (USEPA) SW-846 Method 8260B.
   - Semi Volatile Organic Compounds (SVOCs)/Polynuclear Aromatic Hydrocarbons (PAHs) using USEPA SW-846 Method 8270C.
   - Inorganics using USEPA SW-846 Method 6010B.
   - Mercury using USEPA SW-846 Methods 7470/7471.
   - Total Cyanide using USEPA SW-846 Method 9012B.
   - Amenable Cyanide using USEPA SW-846 Method 4500 CN G.
3. Laboratory analysis of the September 2006, October 2006, November 2006, December 2006, and the 2007 samples (except the April 2007 soil gas samples) were performed by CompuChem Laboratories, Inc. located in Cary, North Carolina for:
   - VOCs/BTEX using USEPA SW-846 Method 8240.
   - SVOCs/PAHs using USEPA SW-846 Method 8270.
   - Inorganics using USEPA SW-846 Method 6010B.
   - Mercury using USEPA SW-846 Methods 7470/7471.
4. Laboratory analysis of the April and May 2005 samples (TRC samples) were performed by ChemTech Laboratories, located in Mountainside, New Jersey for:
   - VOCs/BTEX using USEPA SW-846 Method 8240.
   - SVOCs/PAHs using USEPA SW-846 Method 8270.
   - Inorganics using USEPA SW-846 Method 6010B.
   - Mercury using USEPA SW-846 Methods 7470/7471.
5. Volatile paraffinic, isoparaffinic, aromatic, naphthenic, and olefinic compounds (VOC PIANOS) and Diesel Range Organics (DRO) analysis consist of the following, which where analyzed by Alpha Analytical of Mansfield, Massachusetts:
   - DRO via gas chromatography/flame ionization detector (GC/FID) using USEPA SW-846 Method 8015B (modified).
   - VOCs PIANOS via gas chromatography/mass spectrometry-selective ion monitoring (GC/MS-SIM) using USEPA SW-846 Method 8270C (modified).
5. Laboratory analysis of the April 2007 soil gas samples were performed by TestAmerica located in Knoxville, Tennessee for all analytes using USEPA Compendium Method TO-15.
6. - - = A depth is not applicable for the sample.

Table 4. Monitoring Well Construction Details, Consolidated Edison, West 18th Street, New York, New York

Monitoring Well ID	Approximate Ground Elevation (ft AMSL)	Elevation of Top of Well (ft AMSL)	Screen Interval Depth (ft bgs)	Screen Interval Depth (ft AMSL)	Depth to Water[1] (ft)	Hydrostratigraphic Unit Screened	Subsurface Materials Observed in Screened Interval
Block 689, Lot 17							
MW/SB-24A	8.66	8.07	6 - 16	2.7 - -7.3	NA	Fill Unit	Fill/Sand/Silt
MW-24B	8.66	8.07	45 - 55	-36.3 - -46.3	NA	Sand Unit	Fine to coarse sand
MW/SB-232A	8.20	8.02	6 - 16	2.2 - -7.8	NA	Fill Unit	Fill/Silt/Sand
MW/SB-232B	8.20	7.96	49 - 59	-40.8 - -50.8	NA	Sand Unit	Fine to coarse sand
MW/SB-233A	8.60	8.30	6 - 16	2.6 - -7.4	8.75	Fill Unit	Fill/Sand/Silt
MW/SB-233B	8.60	8.28	48 - 58	-39.4 - -49.4	NA	Sand Unit	Fine to coarse sand
MW/SB-233C	8.60	8.33	32 - 42	-23.4 - -33.4	9.05	Fill Unit	Coarse sand
MW/SB-236A	8.20	8.29	6.75 - 16.75	1.5 - -8.6	NA	Fill Unit	Fill/Sand/Silt
MWSB-236B	8.20	8.24	48 - 58	-39.8 - -49.8	8.70	Sand Unit	Fine to coarse sand
RW-A	8.20	7.87	15.5 - 25.5	-7.3 - -17.3	8.36	Fill Unit	Silt
RW-B	8.32	7.97	31.5 - 33.5	-23.2 - -25.2	7.88	Fill Unit	Fill
RW-C	8.44	8.16	13.5 - 21	-5.1 - -12.6	8.07	Fill Unit	Fill
RW-D	8.53	8.15	30 - 40	-21.5 - -31.5	NA	Fill Unit	Sand/Clay
RW-E	8.48	8.14	27.5 - 32.5	-19.0 - -24.0	NA	Fill Unit	Sand
RW-F	8.57	8.30	27 - 32	-18.4 - -23.4	NA	Fill Unit	Sand
RW-G	8.28	7.93	17 - 32	-8.7 - -23.7	NA	Fill Unit	Gravel/Sand
RW-H	8.17	7.81	23 - 28	-14.8 - -19.8	NA	Fill Unit	Fill/Silty sand
Block 715, Lot 59							
MW-5A	13.76	13.35	9 - 19	4.8 - -5.2	NA	Fill Unit	Silt
MW-5B	13.79	13.27	32 - 42	-18.2 - -28.2	NA	Sand Unit	Sand
Well Cluster A1	13.18	12.92	7 - 11	6.2 - 2.2	NA	Fill Unit	Sand
Well Cluster A2	13.18	12.92	13.5 - 15.5	-0.3 - -2.3	NA	Fill Unit	Sand
Well Cluster A3	13.20	12.95	17.7 - 19.7	-4.5 - -6.5	NA	Fill Unit	gravel
Well Cluster B1	13.34	13.09	7 - 11	6.3 - 2.3	6.19	Fill Unit	Sand
Well Cluster B2	13.34	13.08	14 - 16	-0.7 - -2.7	NA	Fill Unit	Sand
Well Cluster B3	13.26	12.89	18.5 - 20.5	-5.2 - -7.2	NA	Fill Unit	Gravel
Well Cluster C1	13.46	13.12	7 - 11	6.5 - 2.5	6.13	Fill Unit	Sand
Well Cluster C2	13.39	13.15	13.5 - 15.5	-0.1 - -2.1	NA	Fill Unit	Sand
Well Cluster C3	13.34	13.05	19 - 21	-5.7 - -7.7	NA	Fill Unit	Sand
Chelsea Piers and Hudson River Bike Path, Block 662							
MW-40A	6.96	NA	5 - 15	2.0 - -8.0	7.71	Fill Unit	Fill
MW/SB-231B	6.36	Sealed	5 - 15	1.4 - -8.6	6.37	Fill Unit	Sand
MW/SB-238	7.76	7.53	5 - 15	2.8 - -7.2	NA	Fill Unit	Sand
Block 690 Lots 20 & 29							
MW-12A	8.81	NA	7 - 17	1.8 - -8.2	8.67	Fill Unit	Fill/Sand
MW-12B	8.80	NA	37 - 47	-28.2 - -38.2	NA	Fill Unit	Sand
MW/SB-213	NA	NA	6 - 16	NA - NA	NA	Fill Unit	Sand/Silt/Fill
10th Avenue Right of Way							
MW-7A	9.11	NA	6 - 16	3.1 - -6.9	7.80	Fill Unit	Fill
MW-29A	10.77	NA	8 - 18	2.8 - -7.2	11.00	Fill Unit	Sand/Silt/Fill

See Notes on Page 2.

Table 4. Monitoring Well Construction Details, Consolidated Edison, West 18th Street, New York, New York

Monitoring Well ID	Approximate Ground Elevation (ft AMSL)	Elevation of Top of Well (ft AMSL)	Screen Interval Depth (ft bgs)	Screen Interval Depth (ft AMSL)	Depth to Water[1] (ft)	Hydrostratigraphic Unit Screened	Subsurface Materials Observed in Screened Interval
West 18th Street Right of Way							
MW-8	11.64	11.50	10 - 20	1.6 - -8.4	11.37	NA	NA
MW-11	11.16	11.02	10 - 19	1.2 - -7.8	11.69	NA	NA
MW-12	12.37	12.16	10 - 19	2.4 - -6.6	11.35	NA	sand
MW-13	NA	NA	10 - 19	NA - NA	NA	Fill Unit	Gravel
MW-34A	5.83	NA	2 - 12	3.8 - -6.2	NA	Fill Unit	Fill/Silt
MW/SB-219	NA	8.16	6 - 16	NA - NA	6.88	Fill Unit	Gravel/Sand
MW/SB-224	NA	9.06	5 - 15	NA - NA	8.76	Fill Unit	Fill/Sand
Block 691 And Surrounding Sidewalks							
MW-31A	6.48	5.95	4 - 14	-2.5 - -7.5	6.56	Fill Unit	Sand

Notes:

1. Installation of monitoring wells were performed by the following:
   - TRC Environmental Corporation from March 2004 to June 2005, except wells installed on February 10, 2005 (Borings MW-10, MW-11, and MW-12).
   - Envirotrac LTD on February 10, 2005 (Borings MW-10, MW-11, and MW-12).
   - ARCADIS from June 2006 to the present.
2. TRC wells installed by Aquifer Drilling and Testing, Inc. (ADT) of New Hyde Park, New York, at all locations except for wells MW-5A and MW-5B. Wells MW-5A and MW-5B were installed by Fenley and Nicol Environmental, Inc of Deer Park, New York.
4. Envirotrac LTD wells installed by Associated Environmental Services Inc of Hauppauge, New York.
5. ARCADIS wells installed by Boart Longyear Inc.
6. [1]Static water level measurements were measured from Top of Casing and collected on January, 21, 2009 unless otherwise noted.
7. NA = Not available.
8. ft bgs = feet below ground surface.
9. ft AMSL = feet above mean sea level.

Table 5. Water Level Measurement Summary, Consolidated Edison, West 18th Street, New York, New York

Location ID	Measuring Point Elev. feet (NAVD)	Time Measured	Depth to Water	Water Elevation - feet (MVD)
			1/21/2009	1/21/2009
Hudson River Surface Elevation		**13:48**	**--**	**-1.94**
Block 689, Lot 17				
MW/SB-233A	8.3	13:46	8.75	-0.45
MW/SB-233C	8.33	13:40	9.05	-0.72
MWSB-236B	8.24	13:35	8.70	-0.46
RW-A	7.873	13:58	8.36	-0.487
RW-B	7.967	13:55	7.88	0.087
RW-C	8.164	13:57	8.07	0.094
Chelsea Piers and Hudson River Bike Path, Block 662				
MW-40A	6.4	13:32	7.71	-1.31
MW/SB-231B	6.06	13:43	6.37	-0.31
MW/SB-238	7.53	13:48	7.68	-0.15
Block 690 Lots 20 & 29				
MW-12A	8.81	13:00	8.67	-0.36
10th Avenue Right of Way				
MW-7A	8.42	14:15	7.8	0.62
MW-29A	9.91	14:05	11.00	-1.09
West 18th Street Right of Way				
MW-8	11.5	14:05	11.07	0.43
MW-11	11.02	14:03	11.69	-0.67
MW-12	12.16	14:13	11.85	0.31
MW/SB-219	8.16	13:56	6.88	1.28
MW/SB-224	9.06	14:05	8.76	0.3
Block 691 And Surrounding Sidewalks				
MW-31A	5.95	14:30	6.56	-0.61

Notes:

1. -- = not applicable.
2. All elevations shown are in NAVD 1988 (NAVD) vertical datum.
3. Depth to water measurements are in feet below measuring point (bmp) (top of casing).
4. Hudson River surface elevation is from a NOAA measurement location at Port Battery, New York City at 13:48 EST on January 21, 2009. The elevation is referenced to the NAVD 1988.

Table 6. NAPL Gauging Summary, Consolidated Edison, West 18th Street, New York, New York

Well ID: / Date	RW-A	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	MW-24B
10/21/2008	0.0	0.0	0.0	0.3	Trace Blebs	Trace Blebs	Trace Blebs	0.1	0.1
11/21/2008	Trace Blebs	0.0	0.0	1.7	0.7	0.0	Trace Blebs	4.0	NG
12/9/2008	Trace Blebs	0.0	0.0	1.7	0.7	Trace Blebs	0.1	4.0	NG
12/15/2008	Trace Blebs	0.0	0.0	1.8	0.5	Trace Blebs	0.1	2.6	NG
1/21/2009	NG	NG	NG	NG	NG	NG	NG	4.0	NG
1/22/2009	NG	NG	NG	NG	NG	NG	NG	2.7	NG
1/23/2009	NG	NG	NG	NG	NG	NG	NG	3.1	NG
1/24/2009	NG	NG	NG	NG	NG	NG	NG	3.8	NG
2/11/2009	1.3	0.0	0.0	5.0	2.2	0.2	0.5	4.7	0.5
3/16/2009	1.4	0.0	0.0	6.0	2.8	0.1	0.4	5.2	0.1
9/3/2009	Inaccessible	Trace Blebs	0.0	8.4	3.7	0.1	0.7	5.3	0.1

Notes:

1. NAPL is gauged in feet of NAPL in the well.
2. NG = not gauged.
3. On 12-9-08 gauging event, removed approximately 0.51, 0.10, and 2.23 gallons of DNAPL from RW-D, RW-E, and RW-H respectively.
4. On 1-21-09, performed NAPL recovery test. Initially removed ~2 gallons of NAPL from RW-H, and gauged recovery from 1-21-09 --1-24-09.
5. Inaccessible = vehicles parked over well.

Table 7. Air Sample Location Summary, Consolidated Edison, West 18th Street, New York, New York

Building	Type	Sample ID	Sample Duplicated	Sample Date	Description	Ground Cover	Approximate Duration (hours)
DEA Parking Lot	AA	DEA-AA01		4/20/2007	Upwind of site	Asphalt	1.5
DEA Parking Lot	AA	DEA-AA02		4/20/2007	Downwind of site	Asphalt	1.5
DEA Parking Lot	SG	DEA-DUP1	DEA-SG-02	4/20/2007	Northwest section of the site near SB-269	Asphalt	1.5
DEA Parking Lot	SG	DEA-SG-01		4/20/2007	Northwest section of the site near SB-268	Asphalt	2
DEA Parking Lot	SG	DEA-SG-02		4/20/2007	Northwest section of the site near SB-269	Asphalt	1.5
DEA Parking Lot	SG	DEA-SG-03		4/20/2007	Northeast section of site near SB-47, SB-279, and SB-19	Asphalt	1.5
DEA Parking Lot	SG	DEA-SG-04		4/20/2007	Southwest section of site near SB-267	Asphalt	2
DEA Parking Lot	SG	DEA-SG-05		4/20/2007	Southwest section of the site near SB-266	Asphalt	1.5
DEA Parking Lot	SG	DEA-SG-06		4/20/2007	Center of the site near SB-265	Asphalt	1.5
DEA Parking Lot	SG	DEA-SG-07		4/20/2007	Center of the site near SB-252	Asphalt	1.5
DEA Parking Lot	SG	DEA-SG-08		4/20/2007	Eastern section of the site centrally located near SB-21	Asphalt	1.5
DEA Parking Lot	SG	DEA-SG-09		4/20/2007	Southeast section of site near SB-281	Asphalt	1.5

Notes:

1. Samples were collected by the following:
 - TRC Environmental Corporation from April 2005 to May 2005.
 - ARCADIS from June 2006 to the present.
2. Laboratory analysis of the April 2007 soil gas samples were performed by TestAmerica located in Knoxville, Tennessee for all analytes using USEPA Compendium Method TO-15.

Table 8. Summary of Field Observations, Consolidated Edison, West 18th Street, New York, New York

Boring ID	Date Completed	Boring Depth (ft bgs)	Depth to Top of Clay (ft bgs)	Depth Interval (ft bgs)	Field Observations
Block 689, Lot 17					
SB-19	5/2/04	21	17.2	9-11 11-15 17-21	Slight MGP-related odor, MGP-related odor, sheen Strong ammonia-like odor, heavy black staining, sheen
SB-20	5/2/04	51	17.2	11-15 41-43 43-45 45-51	Slight odor Slight odor, Slight sheen Slight non MGP-related odor Slight sheen
SB-21	5/4/04	23	17	7-9 9-11 13-15	Organic odor and sheen Slight organic odor Slight organic odor
SB-22	4/27/04	27	21.9	11-13 13-17 17-19	slight odor Slight sheen Slight odor, sheen
SB-23	4/27/04	25	17.5	5-9 9-17 17-25	Slight odor Petroleum-like odor, some staining Slight odor
MW/SB-24A	4/26/04	16	NE	5-9 9-11	Some black staining Trace black staining
SB-24	8/31/04	86	33		No petroleum or MGP impacts
MW-24B	4/25/04	55	33	5-9 9-11 23-27 27-29 29-31 31-33 33-33.8	Some black staining Trace black staining Visible OLM, MGP-related odor, black staining Slight MGP-related odor, trace black staining, and sheen spots TLM blebs, MGP-related odor, sheen Slight MGP-related odor Slight MGP-related odor and trace black staining
SB-25	4/26/04	36	33	7-9 18-28 18-24 32-34	Trace black staining Strong odor Black staining Slight odor
SB-47	5/3/04	19	15	13-15	Trace odor and trace black staining
SB-48	5/3/04	21	16	9-11 11-13 13-16	Slight MGP-related odor Sheen in shoe, slight MGP-related odor Strong coal tar odor, sheen, visible OLM and TLM
SB-49	4/28/04	24	17.5	2 8-18 18-20 20-22	Trace black staining on wood Very strong odor Strong odor Slight odor
SB-50	4/27/04	33	NE	7-9 13-15 15-17 17-27	Trace black staining Slight odor Slight non-MGP-related odor Slight sheen
SB-51	4/27/04	33	22	11-13 13-15 17-25 19-23 25-27	Trace black staining Strong odor and black staining, Strong odor Black staining Slight odor

Table 8. Summary of Field Observations, Consolidated Edison, West 18th Street, New York, New York

Boring ID	Date Completed	Boring Depth (ft bgs)	Depth to Top of Clay (ft bgs)	Depth Interval (ft bgs)	Field Observations
SB-52	5/1/04	35	31.5	7-9 13-15 15-17 23-25 25-31 25-27 27-31	Slight MGP-related odor Trace black staining Slight MGP-related odor Solvent-like odor, black staining, sheen Strong MGP-related odor, black staining, visible OLM Sheen Coal tar
MW/SB-232A	1/18/07	18	NE	9.3-10.3 16-21.5	Dark gray to black discoloration Moderate odor, visible sheens form 16' to 17'
MW/SB-232B	1/18/07	77.5	31	9.3-10.3 16-17 21.5-23.5 30.8-31	Dark gray to black discoloration Sheens, moderate odor Moderate odor Black coloring, moderate odor
MW/SB-233A	1/22/07	18	NE	16-18	Slight odor
MW/SB-233B	1/19/07	82	42	16-20 20-23.7 23.7-26 26-42 42-43.5	Slight odor Moderate odor Sheen, staining, strong odor Staining, strong odor Strong MGP odor
MW/SB-233C	1/31/07	42	NE	16-20 20-23.7 23.7-26 26-42	Slight odor Moderate odor Sheen, staining, strong odor Staining, strong MGP odor
SB-234	1/25/07	30	22.5	5-12.5 12.5-16 19.5-20	Slight odor Staining, slight odor Staining
MW/SB-236A	1/23/07	18.75	NE		No petroleum or MGP impacts
MW/SB-236B	1/22/07	76.5	17.5	40-43	Sheen
SB-250	1/24/07	30	23.5	8.5-23.5 23.5-29 29-30	Staining, strong odor mild odor, TLM observed at 23.5' Slight odor
SB-251	1/25/07	20	15		No petroleum or MGP impacts
SB-252	1/25/07	20	17.5	7.5-10 10-17.5 17.5-20	Strong odor, staining, and trace OLM, naphthalene like odor Strong odor, visible NAPL at 11.5' to 12.5' Slight odor
SB-253	1/25/07	20	15	8.5-10 10-14.5 14.5-15 15-20	Staining Staining, strong odor, sheens, OLM from 13'-14.5' bgs Less staining, strong odor Medium to mild odor
SB-256	2/1/07	20	15	9-10 10-15 15-18	Trace iridescent sheen, faint hydrocarbon odor Little sheen, moderate hydrocarbon odor Trace iridescent sheen, faint hydrocarbon-type odor
SB-265	2/2/07	20	16	3-4 4-5 5-11 11-12 12-16 16-20	Stained Trace black OLM, moderate hydrocarbon-type odor Moderate hydrocarbon-type odor, iridescent sheens Little brown OLM, moderate hydrocarbon-type odor Trace brown OLM Trace sheen, faint hydrocarbon-type odor

Table 8. Summary of Field Observations, Consolidated Edison, West 18th Street, New York, New York

Boring ID	Date Completed	Boring Depth (ft bgs)	Depth to Top of Clay (ft bgs)	Depth Interval (ft bgs)	Field Observations
SB-266	2/1/07	25	20.5	5-6 12-15 15-20	Trace sheen Staining, slight hydrocarbon-type odor Little staining, little iridescent sheen, faint hydrocarbon odor
SB-267	1/31/07	40	30	18-19 19-23 24-25 25-26 26-30 30-40	Little black staining, slight odor Black staining, trace sheens, slight odor Trace OLM/TLM, moderate MGP-type odor Some black OLM, sheen, moderate odor Moderate odor, trace sheen Faint odor
SB-268	2/2/07	45	35	28.5-29 29-30 30-33 33-35	Trace to little sheen TLM, slight to medium MGP-like odor Trace iridescent sheen, faint hydrocarbon-type odor Faint hydrocarbon-type odor
SB-269	2/1/07	35	30.5	10-12.5 11.5-12.5 12.5-15 29-30.5	Slight hydrocarbon odor Black staining Faint to Moderate odor Trace OLM, moderate hydrocarbon odor
SB-271	2/2/07	20	17		No petroleum or MGP impacts
SB-277	2/26/07	19	15	12-13 12-15	Staining and MGP odor MGP odor
SB-278	2/26/07	21	17		No petroleum or MGP impacts
SB-279	3/1/07	30	26	10-15	Slight MGP odor
SB-280	3/1/07	30	27	7 17-20 20-27	Staining, MGP odor Staining and MGP odor MGP odor
SB-281	2/27/07	19	17	9-11 11-19	MGP odor Staining with faint MGP odor
SB-300A	4/14/08	25	NE	14-15	Slight sheen
SB-301A	4/15/08	20	15.5		No petroleum or MGP impacts
SB-302A	4/15/08	25	25	5-10 19-20	Bottom 1" stained black TLM blebs
SB-303A	4/15/08	20	16.5	15-16.5	TLM saturated
SB-304B	4/15/08	25	20		No petroleum or MGP impacts
SB-305A	4/16/08	20	16	4-5	Concrete, No petroleum or MGP impacts
SB-306A	4/16/08	25	NE	4.5-5	Brick, No petroleum or MGP impacts
SB-306B	4/16/08	25	NE		No petroleum or MGP impacts
SB-307B	4/16/08	25	25	6.5-7	Wood chips stained black
SB-308B	4/17/08	20	NE		No petroleum or MGP impacts
SB-309A	4/17/08	20	18.5	14-14.5 15-16.5	OLM saturated Trace OLM blebs on water
SB-310A	4/17/08	25	20		No petroleum or MGP impacts
SB-311A	4/18/08	20	18.5		No petroleum or MGP impacts
SB-312A	4/18/08	25	15	7.4-8.5 10-11.3 11.3-14.2	Black staining OLM saturated, brown staining on liner Staining (striped layers intermittent throughout)
SB-313A	4/18/08	25	22.2	10-15 15-20 20-22.2	Staining Staining, trace OLM blebs on water Staining, OLM blebs from 21.9'-22.9' bgs

Table 8. Summary of Field Observations, Consolidated Edison, West 18th Street, New York, New York

Boring ID	Date Completed	Boring Depth (ft bgs)	Depth to Top of Clay (ft bgs)	Depth Interval (ft bgs)	Field Observations
SB-314B	4/21/08	20	NE	8.5-9 10-18	Heavily stained Brown OLM saturated
SB-315C	4/22/08	25	22.5	10-13 15-20 20-20.5	Heavy sheen, black-gray OLM saturated Heavy sheen, yellowish to brown OLM saturated Moderate sheen
SB-316B	4/22/08	20	17.4	10.9-11.6 15-17.4	Bottom 4" yellow to brown OLM saturated Trace OLM blebs at 17.4' bgs, moderate odor
SB-317A	4/22/08	25	20	5-10 10-15	Black stained soils Black OLM saturated
SB-318C	4/23/08	27	25.6	10-15 16-17 25-25.6	Heavy sheen and some residual OLM in bottom 2" Sheen present from 16.5'-17.4', trace blebs and OLM Moderate sheen, trace black OLM blebs
SB-319B	4/23/08	20	15.5		No petroleum or MGP impacts
SB-320B	4/23/08	20	17	2-2.5 5-5.9 11.2-12.3 15-15.9	Brick and timber, wood appears stained and black TLM saturated throughout, trace timber OLM saturated Trace blebs
SB-321C	4/23/08	20	18	5-5.8 6-10 10-12	Residual OLM coating brick pieces Concrete OLM Blebs and sheen throughout
SB-322A	4/25/08	20	18	6-7 10-13.3 13.3-17 17-17.8	Black staining, timber OLM blebs, sheen, timber (vertical board) Sheen OLM, strong odor, sheen
SB-323A	4/25/08	25	24	6-6.8 10-20 20-22 23-24	Black TLM coating wood, very strong odors OLM blebs TLM, sheen OLM, sheen
SB-324A	4/25/08	25	22.1		No petroleum or MGP impacts
SB-325A	4/25/08	20	NE	6-7 7-20	Cast iron pipe that contained black, viscous TLM TLM, timber piece in tip
SB-326A	4/28/08	25	21	4.5 10-13 13-15 16-17 20-20.9	Timber coated in black TLM OLM brown blebs observed Sheen, OLM saturated OLM saturated, Heavy Sheen Brown OLM
SB-327A	4/28/08	25	20	10-20	OLM saturated throughout, heavy sheen
SB-328A	4/28/08	20	11.2	10-11.2	Brown OLM saturated, heavy sheen
SB-329B	4/29/08	20	20	10-20	Trace brown OLM blebs, moderate sheen
SB-330B	4/29/08	20	20	10-20	Light sheen
SB-331B	4/29/08	20	13	10-13	Trace OLM brown blebs, slight sheen
SB-332B	4/29/08	25	22.3	10-13.5 14.4-14.6 15.2-15.9 20-22.3	Moderate sheen OLM saturated OLM blebs throughout, sheen Brown OLM saturated throughout
SB-333A	4/30/08	20	20	10-20	OLM saturated, strong odors
SB-334A	4/30/08	20	14.3	10-14.3	OLM saturated pooling in pore spaces
SB-335A	4/30/08	20	14.5	10-14.5	Brown OLM intervals majority saturated at 14.5

Table 8. Summary of Field Observations, Consolidated Edison, West 18th Street, New York, New York

Boring ID	Date Completed	Boring Depth (ft bgs)	Depth to Top of Clay (ft bgs)	Depth Interval (ft bgs)	Field Observations
SB-336B	4/30/08	20	16.2	0-1 10-16.2 13.7-14 15.2-16.2	TLM between spaces Sheen Brown OLM saturated Brown OLM saturated
SB-337A	5/1/08	25	10.7	10-11.5 20-21.5	OLM saturated OLM in sand vein observed in clay
SB-338B	5/1/08	25	21	10-11.1 11.1-13 20-21	Pockets of OLM OLM blebs, sheen Sheen
SB-339A	5/1/08	30	27	4, 4.6, 6 10-20 20-25 25-27	Black staining OLM saturated, heavy sheen OLM saturated, light sheen OLM saturated
SB-340A	5/1/08	25	20.4	11.5-15.6 20-20.4	OLM lenses Trace OLM and sheen
SB-341A	5/2/08	45	43.1	5.7-6.7 10-20 20-24.9 24.9-30 30-35	Trace staining OLM blebs and sheen throughout OLM blebs OLM saturated OLM blebs and sheen
SB-342B	5/5/08	20	14.2	4.3-7 12-12.4 13.1-14.2	Brick observed, possible foundation wall OLM saturated sand lenses OLM saturated
SB-343B	5/5/08	25	20	6.4-7.2 10-20 20-20.7	Black stained OLM saturated OLM in coarse vein within clay.
SB-344B	5/5/08	20	13	7.5-8 10-13	Trace OLM and some staining OLM blebs throughout
SB-345B	5/5/08	20	14	10-14 14-14.5	OLM Blebs throughout interval OLM saturated
SB-346A	5/6/08	20	13.8	4.8-7 12-12.4	Black heavily stained fine to coarse sand Black heavily stained fine to coarse sand
SB-347A	5/6/08	20	13.5	3.5-5.4	Brick, no visual impacts
SB-348B	5/6/08	20	17	10-13 15-17	TLM viscous and saturated OLM found in pockets
SB-349C	5/7/08	20	15.4	5.3-6.5 10-10.8 10.8-14.6 14.6-15.4	Stained Trace OLM, light sheen Light spotty sheen Some blebs
SB-350C	5/7/08	35	13.3	7.1-7.7 11.8-12 12-13.3 16.7-17.9	Staining Trace OLM blebs Brown OLM saturated OLM present in pore spaces
SB-351C	5/8/08	35	29.5	10-11.4 11.4-11.9 11.9-12.2 12.2-14.3 21.5-22.5 29-29.5	Trace Sheen OLM saturated light sheen OLM blebs Black OLM saturated OLM saturated

Table 8. Summary of Field Observations, Consolidated Edison, West 18th Street, New York, New York

Boring ID	Date Completed	Boring Depth (ft bgs)	Depth to Top of Clay (ft bgs)	Depth Interval (ft bgs)	Field Observations
SB-352A	5/8/08	30	11.1	11.1-12.6 20-22.3 22	Black stained Clay Some staining TLM lense
SB-353C	5/8/08	26	12.2	11.3-12.2 12.2-12.4	Thin pockets of viscous black TLM Slight sheen
SB-354	5/9/08	13.5	NE	12.4-13.5	OLM saturated
SB-355	5/13/08	30	22.5	3.9-6 5-6 10-20 20-22.1 22.1-22.5 22.5-23.8	Staining Slight sheen OLM blebs throughout, sheen OLM blebs OLM saturated throughout OLM
SB-356	5/13/08	35	21.5	10-20 20-21.5 23	TLM Black OLM saturated Sand lenses with black OLM
SB-357	5/13/08	25	20	10-20 23.6-25	TLM in coarse sand and gravel trace TLM coating pieces of wood
SB-358	5/14/08	15	NE	10.6-13.4	TLM blebs and staining
SB-359	5/15/08	25	13	10-13 20-22	OLM blebs, staining Trace blebs, light sheen
SB-360	5/14/08	35	30	10-20 10-30	Trace OLM blebs, light sheen Trace blebs
SB-361	5/15/08	35	28.8	11.7-12	Staining and heavy sheen
SB-362	5/15/08	10	NE	6-6.6	Stained wood
SB-363	5/15/08	20	12.9	12	Trace OLM blebs
SB-364	5/16/08	25	21.8	1.5-1.7 11.2-15 15-21.2 21.2-21.8 21.8-23	TLM, coating and bonding to gravel Gummy, taffy-like, black TLM Black staining, trace TLM, light sheen Sheen, trace OLM Blebs Slight sheen
SB-365	5/16/08	27	22	2.5-3	Soils stained.
SB-366	5/19/08	40	NE	4-4.6 10-25 25-35	Trace staining Brown saturated OLM Sheen, trace OLM blebs, OLM saturated from 34-35 bgs
SB-367	5/19-20/2008	40	10	12.7-13.3 20-25 25-28.8	Brown OLM saturated Brown OLM saturated OLM in sand lenses
SB-368B	5/20-21/2008	60	30	5.8-6.4 12-30 30-33.6 33.6-35 42.1-43.9	Solidified TLM OLM Saturated 1" thick vertical vein running down center stained brown, sand lenses have OLM saturated pockets Trace OLM blebs Spotty sheen
SB-369A	5/21/08	23	12.8	11.2-12	Brown OLM saturated
SB-370A	5/21/08	23	10	10-10.2	Slight sheen
SB-371	5/22/08	30	21.2	20-21.2	Spotty organic sheen
SB-372/RW-C	5/23/08	35	30.9	6-7 10-20	Stained wood Slight sheen

Table 8. Summary of Field Observations, Consolidated Edison, West 18th Street, New York, New York

Boring ID	Date Completed	Boring Depth (ft bgs)	Depth to Top of Clay (ft bgs)	Depth Interval (ft bgs)	Field Observations
SB-373/RW-D	5/27/78	45	35	10-25 34-35 35-40	Light sheen TLM saturated TLM on outside of clay and on water
SB-374B	5/29/08	25	14.1	5.2-5.4 13.6-14.1 14.1-16.4	Wood stained black Brown OLM blebs OLM blebs
SB-375	5/29/08	20	NE	10-10.9 10.9-11.5	Trace black OLM blebs Black OLM blebs
SB-376	5/30/08	20	10.7		No petroleum or MGP impacts
SB-377	5/30/08	30	29.5	10-25 25-29.5	OLM blebs, moderate sheen OLM saturated, OLM blebs, moderate sheen
SB-378	6/3/08	40	NE	30-35	OLM saturated
SB-379	6/3/08	10	NE	7-7.5	Wood stained black
RW-A	10/6/08	29	24	7 15.5-16 16 19-24	Slight petroleum odor Trace sheen OLM OLM
RW-B	10/3/08	34	31	25-29 27-29 29-30 30-31	Odor OLM Odor Odor and sheen
RW-E	10/2/08	34.5	32	30-32 32-34.5	OLM Odors
RW-F	10/1/08	39	31	16.5-19 22-23 25-29 29-32 37	Sheen and staining OLM and sheen Odor OLM, strong odors Slight Odors
RW-G	10/1/08	34	32	20-21 21-26 28-32 31	OLM OLM, sheen, moderate odors Moderate odors TLM
RW-H	10/2/08	30	27.5	17-19 23-24 24-27.5 27.5-30	Slight odor Strong odors TLM, strong odors Moderate Odors
Block 715, Lot 59					
SB-1	5/14/05	6.5	NE		No petroleum or MGP impacts
SB-2	5/6/05	20.5	NE	0.8-2 13-15 15-17 17-19 19-21 20.5	Strong gasoline-like odor Petroleum odor MGP-related odor Strong MGP-related odor Strong MGP-related odor Refusal do to rocks - possible bottom of Former Gas Holder
SB-3	5/6/05	20	NE	13-15	Strong gasoline-like odor

Table 8. Summary of Field Observations, Consolidated Edison, West 18th Street, New York, New York

Boring ID	Date Completed	Boring Depth (ft bgs)	Depth to Top of Clay (ft bgs)	Depth Interval (ft bgs)	Field Observations
SB-4	5/5/05	21	NE	6.5-9 9-11 11-13 13-15 15-17 17-19 19-21 21	Strong gasoline-like odor, black staining, sheen Slight gasoline-like odor, trace sheen Slight petroleum odor, trace black staining, trace sheen Petroleum odor, sheen Slight MGP-related odor, sheen MGP-related odor, sheen Very strong MGP-related odor, heavy black staining, visible OLM Refusal due to rocks and brick - possible bottom of Former Gas Holder
SB-5	6/3/05	31	NE	10-11 11-15 15-19 19-20 20-25	Strong petroleum-like odor, sheen Very strong petroleum- like odor, black staining, sheen Strong petroleum-like odor, sheen, black staining on wood, trace NAPL Trace petroleum-like odor Very Slight petroleum-like odor
MW-5A	5/2/05	22	NE	10-11 11-15 15-20 20-21 21-22	Strong petroleum-like odor, sheen, Very strong petroleum-like odor, black staining, sheen Very strong petroleum-like odor, sheen Slight petroleum-like odor, sheen Slight petroleum-like odor, trace sheen
MW-5B	6/8/05	42	18.5	10-11 11-15 15-19 19-21 32-36	Strong petroleum-like odor, sheen Very strong petroleum-like odor, black staining, sheen Very strong petroleum-like odor, sheen Sheen Very slight non-MGP-related odor
SB-6	5/13/05	72	26.1	10-13 13-16 16-19	Slight petroleum-like odor (stronger at tip), trace black staining Strong petroleum-like odor, some black staining, sheen, trace NAPL Slight petroleum-like odor
TP-1	4/27/05	4.2	NE	1	Intact Brick Wall encountered running N-S
TP-1B	5/4/05	3	NE	0-1 2-3 3	Gasoline-like odor Gasoline-like odor, black staining on wood timbers Gasoline-like odor
TP-2	9/12/04	11	NE	1-11	Slight petroleum odor
TP-3	5/1/04	7.7	NE	1.9-3.75	Coal tar residue observed
TP-6	5/2/04	9.9	NE		No petroleum or MGP impacts
SB-A	9/5/08	32	NE	2-4 4-8 8-10 10-12 14-16 20-21.2 22-22.5 22.5-24	Moderate odor Faint odors Moderate odors Faint odors Faint odors Some black staining from 20.8'-21.2' bgs, strong odors Moderate odors Faint odors

Table 8. Summary of Field Observations, Consolidated Edison, West 18th Street, New York, New York

Boring ID	Date Completed	Boring Depth (ft bgs)	Depth to Top of Clay (ft bgs)	Depth Interval (ft bgs)	Field Observations
SB-C	9/5/08	42	NE	8-10 10-12 12-14 16-18 18-22 22-24 24-28 28-30 34-36	Strong odors, trace staining from 9'-10' bgs Strong odors, trace staining, sheen Trace staining, sheen Strong odors, slight sheen Strong odors Faint odors Moderate odors Faint odors Faint odors
SB-D	9/4/08	26	NE		No petroleum or MGP impacts
Well Cluster A	8/20/08	21	NE	11-12	Staining
Well Cluster B	8/22/08	20.5	NE	0-5 5-5.6 8-12	Strong odors, slight staining Strong odors Strong odors
Well Cluster C	8/26/08	25	NE	19-21	Staining
Chelsea Piers and Hudson River Bike Path, Block 662					
SB-18	7/20/04	43	35	21-25 27-29 29-31 31-33 33-35 35-39 39-41	Musty odor Slight odor in nose of spoon Slight odor Slight odor, visible sheen Odor, visible sheen Odor Slight Odor
SB-26	7/26/04	37	32	11-13 15-17 17-19 19-33 21-33 29-33	Sewage-like odor Slight MGP-related odor, black staining Slight MGP-related odor Slight MGP-related odor, black staining Visible sheen Visible OLM
SB-27	7/22/04	45	27	41-43	Slight odor, sheen
SB-39	7/21/04	27	22.8	5-7	Organic odor
MW-40A	7/26/04	19	NE		No petroleum or MGP impacts
SB-40B	7/28/04	84	34	17-23	Sweet wood odor
SB-43A	7/23/04	24	NE		No petroleum of MGP impacts
SB-43B	8/2/04	9	NE		No petroleum or MGP impacts
SB-44	8/2/04	9	NE	6-9 9	MGP-related odor. Refusal
SB-45	7/22/04	37	31		No petroleum or MGP impacts
SB-46	7/23/04	6	NE		No petroleum or MGP impacts
SB-216	6/29/06	60	50	25-30 30.5 34-35	MGP odor TLM MGP odor
MW/SB-231	6/29/06	50	45	32-36 40-45	Faint MGP-like odor Little to trace NAPL blebs, moderate MGP-like odor
SB-235	6/29/06	60	50	7-10 10-30 44.5-50	MGP odor Slight sheen Possible MGP-like odor

Table 8. Summary of Field Observations, Consolidated Edison, West 18th Street, New York, New York

Boring ID	Date Completed	Boring Depth (ft bgs)	Depth to Top of Clay (ft bgs)	Depth Interval (ft bgs)	Field Observations
MW/SB-238	6/28/06	40	29.5	19-20 21.5-22.5 25-26 40	Faint to moderate odor Faint odor Very faint MGP-like odor Refusal
SB-245	6/27/06	50	35	14-15 20-22.5	Possible faint degraded petroleum-like odor Trace NAPL blebs, moderate MGP-lie odor
SB-247	6/28/06	40	34	30-34 34-35.5	MGP odor Faint odor
SB-B	10/9/08	39	31.5	29-31.5	Staining, moderate odors
SB-C	10/9/08	50	39.5	5-5.5	Concrete, No petroleum or MGP impacts
Block 690 Lots 20 & 29					
MTP-1	2/10/07	25	21.5	0.5-5 5-15 15-19	Some petroleum odor Strong petroleum odor Slight petroleum odor
MTP-2	2/10/07	25	24	18.5-19.2	Black staining and MGP odor
MTP-3	3/3/07	25	20		No petroleum or MGP impacts
SB-9	9/18/04	34	28	1-6 8-10 22-28	Petroleum odor Slight petroleum odor Slight MGP odor
SB-10	9/18/04	50	24	1-6 6-10 10-14 20-34	Petroleum odor strong gasoline/fuel oil odor, N/S, visible brown product at 8.4'-8.8' bgs slight petroleum odor Slight Naphthalene odor
SB-11	9/18/04	39	29	1-7 7-9 11-17 21-23 23-29 25-29 29-33	Petroleum odor Strong petroleum odor and black staining Slight organic odor MGP-related odor Black staining, sheen and visible OLM Visible TLM Slight MGP related odor
MW-12A	9/11/04	17	NE		No petroleum or MGP impacts
MW-12B	9/12/04	50.75	21		No petroleum or MGP impacts
SB-14A	10/3/04	25	19	1-6 7-19	Solvent-like odor Slight petroleum odor
SB-208	1/20/07	20	13		No petroleum or MGP impacts
SB-209	1/20/07	30	17		No petroleum or MGP impacts
SB-210	12/16/06	37.3	NE		No petroleum or MGP impacts
MW/SB-213	2/10/07	20	17		No petroleum or MGP impacts
SB-214	1/21/07	20	15	5-12.5 15-20	Strong petroleum odor Very slight odor
SB-215	12/16/06	36	NE	2-3	Faint petroleum odor
SB-221	1/20/07	25	21	0-21	Strong petroleum-like odor
SB-222	1/21/07	20	15.5	15.5-18	Slight odor from
SB-254	3/3/07	20	18		No petroleum or MGP impacts

Table 8. Summary of Field Observations, Consolidated Edison, West 18th Street, New York, New York

Boring ID	Date Completed	Boring Depth (ft bgs)	Depth to Top of Clay (ft bgs)	Depth Interval (ft bgs)	Field Observations
10th Avenue Right of Way					
SB-7	8/9/04	45.5	NE	19-35 45.5	Slight MGP-related odor Bedrock refusal
MW-7A	8/10/04	17	NE	7-17	Non-MGP related odor
SB-8	8/11/04	45	NE	1-6 7-13 13-15 45	Strong petroleum odor, sheen Petroleum odor Slight petroleum odor, trace sheen Bedrock refusal
SB-29	11/7/04	50	38		No petroleum or MGP impacts
MW-29A	11/7/04	20	NE		No petroleum or MGP impacts
SB-229	3/3/07	30	20		No petroleum or MGP impacts
SB-273	3/3/07	30	28	5-15 15-20	Strong petroleum odor Petroleum odor
West 17th Street Right of Way					
SB-30	10/30/04	86	24	12-16 16-20 20-22 22-24	Slight petroleum odor, N/S MGP-related odor, sheen Visible OLM and trace TLM blebs in shoe, strong MGP-related odor, sheen Visible OLM and TLM blebs, strong MGP related odor, black staining and sheen
SB-237	3/4/07	25	20.5	5-6 11-15 15-18 18-20 20.5	Timber Timber Sheen Timber Sheen and some product observed at 20.5
SB-262	2/28/07	23	17	17-23	MGP odor
SB-263	2/28/07	19	13	7-11 11-13 13-15 15-19	MGP odor Free phase product, Heavy staining and odor MGP odor MGP odor
West 18th Street Right of Way					
MW-11	2/10/05	19	NE		No petroleum or MGP impacts
MW-12	2/10/05	19	NE	0-5 12-19	Petroleum Like Odor Petroleum Like Odor
MW-13	2/10/05	19	NE		No petroleum of MGP impacts
MW/SB-219	10/17/06	40	32	5.5-8.5	Faint petroleum odor
SB-220	10/17/06	30	20.5	6.5-9.5 10-15 15-20 20-20.5	Strong degraded petroleum odor Moderated petroleum like odor Faint odor Faint petroleum like odor
SB-223	10/13/06	40	16.7	10-12.6 12.6-12.7 12.7-16.7 16.7-19 23-25 28.1-28.3	Faint petroleum odor Strong Petroleum odor Faint petroleum odor Very faint odor Very faint odor Faint odor

Table 8. Summary of Field Observations, Consolidated Edison, West 18th Street, New York, New York

Boring ID	Date Completed	Boring Depth (ft bgs)	Depth to Top of Clay (ft bgs)	Depth Interval (ft bgs)	Field Observations
MW/SB-224	10/11/06	45	NE	8-10.8 33-34.5 34.5-35 35-37.5	Petroleum odor Faint MGP-like odor TLM, Strong MGP-like odor MGP-like odors
SB-226	10/14/06	74	32.5		No petroleum or MGP impacts
SB-227	10/18/06	30	23	5-7 7-10 10-14 14-15 20-23 23-28.5	Faint to moderate petroleum-like odor Moderate to faint petroleum-like odor Faint petroleum-like odor Possible faint petroleum-like odor TLM Moderate tar-like odor
SB-228	10/19/06	50	12	13.5-15.5 20-23.5 23.5-25 25-33	Faint degraded odor Faint degraded odor Very faint degraded odor Very faint odor
SB-270	3/4/07	25	23	18.5-20 20-21.5	Faint petroleum odor MGP odor, sheen
SB-272	3/5/07	25	21	15-20	MGP odor
West 19th Street Right of Way					
SB-12	4/26/06	46	26	20-22 22-23 23	MGP-like odor Little tar-like material, sheen, MGP-like odor Holder Bottom
SB-13	10/10/04	35	27	11-13	Petroleum odor in shoe
SB-15	8/19/04	25	19	5-13 13-21	Strong petroleum odor, sheen, visible product and black staining MGP-related odor, visible OLM and coal tar, sheen and black staining
SB-19SBA	3/5/07	25	20	1-4 8-10	Petroleum odor Petroleum odor
SB-203	10/18/06	30	25	15-20 20-23	Little to black NAPL, tar-like odor Faint tar-like odor, sheen on slough water
SB-204	10/17/06	35	25	5-12.5	Faint degraded petroleum-like odor
SB-205	10/13/06	35	16.5	8-10 10-15 15-16	Strong petroleum like odor, possibly saturated with petroleum Moderate petroleum odor Faint odor
SB-274	3/5/07	30	27	23-25	TLM, strong MGP odor
SB-275	3/4/07	30	25	2-15 20-30	Petroleum odor TLM
Block 691 And Surrounding Sidewalks					
MW-31A	10/9/04	14	NE	7-13	Slight sewage odor
SB-31	10/9/04	27	21.1	7-13 13-21	Slight sewage odor Burned wood odor
SB-34	8/12/04	75	21	19-21 21-23	Sheen, visible OLM OLM outside of spoon
MW-34A	5/22/04	12.5	NE		No petroleum or MGP impacts
SB-90	11/4/05	6	NE		No petroleum or MGP impacts
SB-91	11/4/05	15	NE	5-8	Organic odor
SB-92	11/4/05	15	NE	5 9-13	Slight odor Organic odor

Table 8. Summary of Field Observations, Consolidated Edison, West 18th Street, New York, New York

Boring ID	Date Completed	Boring Depth (ft bgs)	Depth to Top of Clay (ft bgs)	Depth Interval (ft bgs)	Field Observations

Notes:

1. Soils were observed by the following:
   - TRC Environmental Corporation from March 2004 to June 2005, except borings drilled on February 10, 2005 (Borings MW-10, MW-11, and MW-12).
   - Envirotrac LTD on February 10, 2005 (Borings MW-10, MW-11, and MW-12).
   - ARCADIS from June 2006 to the present.
2. TRC boring locations drilled by:
   - Aquifer Drilling and Testing, Inc. (ADT) of New Hyde Park, New York, at all locations except for borings at locations SB-1 through SB-6, MW-5A, MW-5B, and borings SB-90 through SB-92.
   - Fenley and Nicol Environmental, Inc of Deer Park, New York at boring locations SB-1 through SB-6, MW-5A, and MW-5B.
   - Zebra Environmental of Atlantic Highlands, New Jersey at boring locations SB-90 through SB-92.
3. Test Pits excavated by Fenley and Nicol Environmental, Inc of Deer Park, New York.
4. Envirotrac LTD boring locations drilled by Associated Environmental Services Inc of Hauppauge, New York.
5. ARCADIS boring locations drilled by:
   - Boart Longyear Inc., at all locations except for borings at locations 19SB-A, SB-221, SB-272, SB-274, SB-210, SB-215, SB-262, SB-263, SB-277, SB-278, and SB-280.
   - ADT of New Hyde Park, New York at boring locations SB-210, SB-215, SB-262, SB-263, SB-277, SB-278, and SB-280.
   - Prosonic of Windsor, New Jersey at boring locations 19SB-A, SB-221, SB-272, and SB-274.
6. NE = Not encountered.
7. MGP = Manufactured gas plant.
8. TLM = Tar like material.
9. OLM = Oil like material.
10. NAPL = Non-aqueous phase liquid.

Table 9a. Summary of Soil Analytical Results for Detected VOCs (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	MTP-1 3 - 4 02/10/07	MTP-1 8 - 9 02/10/07	MTP-1 19 - 20 02/10/07	MTP-1 23 - 24 02/10/07	MTP-2 9 - 10 02/10/07	MTP-2 18 - 19 02/10/07	MTP-2 22 - 23 02/10/07	MTP-2 24 - 25 02/10/07	MTP-3 8 - 9 03/03/07	MTP-3 24 - 25 03/03/07	SB-1 5 - 5.5 05/03/05	SB-2 1 - 1.5 05/02/05	SB-2 2 - 2.5 05/02/05
Volatile Organics															
1,1,1-Trichloroethane	100	0.68	0.27 U	1.4 U	0.0070 U	0.0063 U	0.0059 U	3.2 U	0.0055 U	0.0055 U	0.0062 U	0.38 UJ	0.00042 U	0.00045 U	0.00045 U
1,1,2-Trichloroethane	- -	- -	0.27 U	1.4 U	0.0070 U	0.0063 U	0.0059 U	3.2 U	0.0055 U	0.0055 U	0.0062 U	0.38 U	0.00030 U	0.00031 U	0.00032 U
1,1-Dichloroethene	100	0.33	0.27 U	1.4 U	0.0070 U	0.0063 U	0.0059 U	3.2 U	0.0055 U	0.0055 U	0.0062 U	0.38 U	0.00058 U	0.00061 U	0.00062 U
1,2,4-Trichlorobenzene	- -	- -	0.27 U	1.4 U	0.0070 U	0.0063 U	0.0059 U	3.2 U	0.0055 U	0.0055 U	0.0062 U	0.38 U	0.00069 U	0.00073 U	0.00074 U
1,2-Dichloroethane	3.1	0.02	0.27 U	1.4 U	0.0070 U	0.0063 U	0.0059 U	3.2 U	0.0055 U	0.0055 U	0.0062 U	0.38 UJ	0.00031 U	0.00033 U	0.00033 U
1,2-Dichloropropane	- -	- -	0.27 U	1.4 U	0.0070 U	0.0063 U	0.0059 U	3.2 U	0.0055 U	0.0055 U	0.0062 U	0.38 U	0.00040 U	0.00043 U	0.043
1,4-Dichlorobenzene	13	1.8	0.27 U	1.4 U	0.0070 U	0.0063 U	0.0059 U	3.2 U	0.0055 U	0.0055 U	0.0062 U	0.38 U	0.00055 U	0.00058 U	0.00059 U
2-Butanone	100	0.12	**0.83 J**	3.5 U	0.018 U	0.016 U	0.015 U	8.0 U	0.014 U	0.014 U	0.015 U	0.96 U	0.0029 U	0.0030 U	0.0031 U
2-Hexanone	- -	- -	0.69 U	3.5 U	0.018 U	0.016 U	0.015 U	8.0 U	0.014 U	0.014 U	0.015 U	0.96 U	0.0036 U	0.0039 U	0.0039 U
4-Methyl-2-pentanone	- -	- -	0.69 U	3.5 U	0.018 U	0.016 U	0.015 U	8.0 U	0.014 U	0.014 U	0.015 U	0.96 U	0.0020 U	0.0021 U	0.0021 U
Acetone	100	0.05	0.69 U	3.5 U	**0.11 J**	**0.15 J**	0.015 U	8.0 U	0.014 U	0.032 J	0.015 U	0.96 UJ	0.0060 JB	0.0037 J	0.0036 U
Benzene	4.8	0.06	**0.29**	**0.31 J**	0.015	0.0028 J	0.00067 J	**16**	0.0088	0.00099 J	0.0062 U	**6.7**	0.00040 U	0.00043 U	0.00043 U
Carbon Disulfide	- -	- -	0.27 U	1.4 U	0.0070 U	0.0063 U	0.0059 U	3.2 U	0.0055 U	0.0010 J	0.0062 U	0.38 UJ	0.00037 U	0.00039 U	0.00040 U
Chlorobenzene	100	1.1	0.27 U	1.4 U	0.0070 U	0.0063 U	0.0059 U	3.2 U	0.0055 U	0.0055 U	0.0062 U	0.38 U	0.00037 U	0.00039 U	0.00039 U
Chloroform	49	0.37	0.27 U	1.4 U	0.0070 U	0.0063 U	0.0059 U	3.2 U	0.0055 U	0.0055 U	0.0062 U	0.38 U	0.00035 U	0.00037 U	0.00038 U
Chloromethane	- -	- -	0.27 U	1.4 U	0.0070 U	0.0063 U	0.0059 U	3.2 U	0.0055 U	0.0055 U	0.0062 U	0.38 U	0.00086 U	0.00091 U	0.00093 U
cis-1,2-Dichloroethene	100	0.25	0.27 U	1.4 U	0.0070 U	0.0063 U	0.0059 U	3.2 U	0.0055 U	0.0055 U	0.0062 U	0.38 U	0.00033 U	0.00035 U	0.00035 U
Cyclohexane	- -	- -	0.27 U	1.4 U	0.0070 U	0.0063 U	0.0059 U	3.2 U	0.0055 U	0.0055 U	0.0062 U	0.38 UJ	0.00033 U	0.00035 U	0.00035 U
Dichlorodifluoromethane	- -	- -	0.27 U	1.4 U	0.0070 U	0.0063 U	0.0059 U	3.2 U	0.0055 U	0.0055 U	0.0062 U	0.38 U	0.00086 U	0.00092 U	0.00093 U
Ethylbenzene	41	1	0.72	**20**	0.0012 J	0.0020 J	0.0059 U	**85**	0.023	0.0052 J	0.0062 U	0.38 U	0.00036 U	0.00038 U	0.00038 U
Isopropylbenzene	- -	- -	0.13 J	7.4	0.0029 J	0.0063 U	0.0059 U	7.4	0.0035 J	0.0055 U	0.0062 U	0.38 U	0.00042 U	0.00045 U	0.00045 U
Methyl Acetate	- -	- -	0.27 U	1.4 U	0.0070 U	0.0063 U	0.0059 U	3.2 U	0.0055 U	0.0055 U	0.0062 U	0.38 U	0.00087 U	0.00093 U	0.00094 U
Methyl tert-butyl ether	100	0.93	0.17 J	**0.95 J**	0.0063 J	0.0051 J	0.0059 U	3.2 U	0.0055 U	0.0055 U	0.0062 U	0.38 U	0.00037 U	0.00039 U	0.00040 U
Methylcyclohexane	- -	- -	0.39	4.5	0.0070 U	0.0063 U	0.0059 U	1.8 J	0.0055 U	0.0055 U	0.0062 U	0.38 U	0.00042 U	0.00045 U	0.00046 U
Methylene Chloride	100	0.05	0.27 UJ	1.4 UJ	0.0070 UJ	0.0063 UJ	0.0059 UJ	3.2 U	0.0055 UJ	0.0055 UJ	0.0062 U	0.38 U	0.0018 U	0.0061	0.0059 B
m-Xylene & p-Xylene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00087 U	0.00093 U	0.0012 J
o-Xylene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00039 U	0.00041 U	0.00042 U
Styrene	- -	- -	0.27 U	1.4 U	0.0070 U	0.0063 U	0.0059 U	3.2 U	0.0055 U	0.0055 U	0.0062 U	0.38 U	0.00046 U	0.00049 U	0.00050 U
Tetrachloroethene	19	1.3	0.27 U	1.4 U	0.0070 U	0.0063 U	0.0059 U	3.2 U	0.0055 U	0.0055 U	0.0062 U	0.38 U	0.00074 U	0.00078 U	0.00079 U
Toluene	100	0.7	0.37 U	**3.9**	0.0032 J	0.0023 J	0.00084 J	**24**	0.013	0.0020 J	0.00069 J	0.27 J	0.00041 U	0.00043 U	0.00044 U
Trichloroethene	21	0.47	0.27 U	1.4 U	0.0070 U	0.0063 U	0.0059 U	3.2 U	0.0055 U	0.0055 U	0.0062 U	0.38 U	0.00031 U	0.00033 U	0.00033 U
Xylenes (total)	100	1.6	**3.8**	**110**	0.0075 J	0.0084 J	0.018 U	**230**	0.076	0.014 J	0.019 U	0.38 U	ND	ND	0.0012 J
Total BTEX	10[1]	- -	4.8	130 J	0.027 J	0.016 J	0.0015 J	360	0.12	0.022 J	0.00069 J	7.0 J	ND	ND	0.0012 J
Total VOCs	- -	- -	5.6 J	130 J	0.14 J	0.17 J	0.0015 J	360	0.12	0.055 J	0.00069 J	7.0 J	0.0060 J	0.0098 J	0.050 J

See Notes on Page 24.

Table 9a. Summary of Soil Analytical Results for Detected VOCs (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-2 5 - 7 05/06/05	SB-2 13 - 15 05/06/05	SB-2 19 - 20.5 05/06/05	SB-3 3 - 3.5 04/29/05	SB-3 5 - 7 05/06/05	SB-3 13 - 15 05/06/05	SB-3 17 - 19 05/06/05	SB-4 5 - 5.5 05/03/05	SB-4 7 - 9 05/05/05	SB-4 9 - 13 05/05/05	SB-4 17 - 19 05/05/05	SB-4 19 - 21 05/05/05
Volatile Organics														
1,1,1-Trichloroethane	100	0.68	0.00052 U	0.00047 U	0.66 U	0.00045 UR	0.00047 U	0.059 U	0.00049 U	0.00046 U	0.00047 U	0.00049 U	0.00050 U	0.064 U
1,1,2-Trichloroethane	- -	- -	0.00037 U	0.00033 U	0.84 U	0.00032 UR	0.00033 U	0.074 U	0.00034 U	0.00033 U	0.00033 U	0.00034 U	0.00035 U	0.081 U
1,1-Dichloroethene	100	0.33	0.00071 U	0.00065 U	0.52 U	0.00062 UR	0.00064 U	0.046 U	0.00067 U	0.00064 U	0.00065 U	0.00067 U	0.00068 U	0.050 U
1,2,4-Trichlorobenzene	- -	- -	0.00085 U	0.00077 U	0.47 U	0.00074 UR	0.00076 U	0.041 U	0.00079 U	0.00076 U	0.00077 U	0.00080 U	0.00081 U	0.045 U
1,2-Dichloroethane	3.1	0.02	0.00038 U	0.00035 U	0.52 U	0.00033 UR	0.00034 U	0.046 U	0.00036 U	0.00034 U	0.00035 U	0.00036 U	0.00036 U	0.050 U
1,2-Dichloropropane	- -	- -	0.00050 U	0.00045 U	0.51 U	0.00043 UR	0.00044 U	0.046 U	0.00046 U	0.00044 U	0.00045 U	0.00046 U	0.00047 U	0.050 U
1,4-Dichlorobenzene	13	1.8	0.00068 U	0.00062 U	0.63 U	0.00059 UR	0.00061 U	0.056 U	0.00063 U	0.00061 U	0.00062 U	0.00064 U	0.00065 U	0.060 U
2-Butanone	100	0.12	0.0035 U	0.0032 U	4.6 U	0.0030 UR	0.0031 U	0.41 U	0.0033 U	0.0031 U	0.0032 U	0.0033 U	0.0033 U	0.44 U
2-Hexanone	- -	- -	0.0045 U	0.0041 U	1.1 U	0.0039 UR	0.0040 U	0.095 U	0.0042 U	0.0040 U	0.0041 U	0.0042 U	0.0043 U	0.10 U
4-Methyl-2-pentanone	- -	- -	0.0025 U	0.0022 U	2.1 U	0.0021 UR	0.0022 U	0.19 U	0.0023 U	0.0022 U	0.0022 U	0.0023 U	0.0023 U	0.21 U
Acetone	100	0.05	0.013 JB	0.015 JB	5.4 U	0.012 J	0.0070 JB	0.48 U	0.013 JB	0.0081 JB	0.019 JB	0.028 JB	0.019 JB	0.52 U
Benzene	4.8	0.06	0.00050 U	0.0017 J	**22**	0.00043 UR	0.00044 U	0.035 U	0.00046 U	0.00044 U	0.00045 U	0.0024 J	0.00047 U	**19**
Carbon Disulfide	- -	- -	0.00046 U	0.00042 U	0.63 U	0.00040 UR	0.00041 U	0.056 U	0.00043 U	0.00041 U	0.00042 U	0.00043 U	0.00044 U	0.061 U
Chlorobenzene	100	1.1	0.00045 U	0.00041 U	0.60 U	0.00039 UR	0.00040 U	0.053 U	0.00042 U	0.00040 U	0.00041 U	0.00042 U	0.00043 U	0.058 U
Chloroform	49	0.37	0.00043 U	0.00039 U	0.93 U	0.00038 UR	0.00039 U	0.083 U	0.00040 U	0.00039 U	0.00039 U	0.00041 U	0.00041 U	0.090 U
Chloromethane	- -	- -	0.0011 U	0.00097 U	1.1 U	0.00092 UR	0.00095 U	0.098 U	0.00099 U	0.00095 U	0.00097 U	0.0010 U	0.0010 U	0.11 U
cis-1,2-Dichloroethene	100	0.25	0.00041 U	0.00037 U	1.2 U	0.00035 UR	0.00036 U	0.11 U	0.00038 U	0.00036 U	0.00037 U	0.00038 U	0.00039 U	0.12 U
Cyclohexane	- -	- -	0.00040 U	0.00037 U	1.6 J	0.00035 UR	0.00036 U	0.053 U	0.00038 U	0.00036 U	0.00037 U	0.0014 J	0.00038 U	0.057 U
Dichlorodifluoromethane	- -	- -	0.0011 U	0.00097 U	0.54 U	0.00092 UR	0.00095 U	0.048 U	0.0010 U	0.00095 U	0.00097 U	0.0010 U	0.0010 U	0.052 U
Ethylbenzene	41	1	0.00044 U	0.00040 U	**35**	0.00038 UR	0.00039 U	0.059 U	0.00041 U	0.00039 U	0.00040 U	0.00041 U	0.00042 U	**48 D**
Isopropylbenzene	- -	- -	0.00052 U	0.00047 U	28	0.00045 UR	0.00046 U	0.048 U	0.00048 U	0.00046 U	0.00047 U	0.0021 J	0.0022 J	3.0
Methyl Acetate	- -	- -	0.0011 U	0.00098 U	1.3 U	0.00093 UR	0.00096 U	0.12 U	0.0010 U	0.00096 U	0.00098 U	0.0010 U	0.0010 U	0.13 U
Methyl tert-butyl ether	100	0.93	0.00046 U	0.0051 J	0.58 U	0.00040 UR	0.00041 U	0.052 U	0.0021 J	0.00041 U	0.00042 U	0.00043 U	0.00044 U	0.056 U
Methylcyclohexane	- -	- -	0.00052 U	0.00048 U	3.5 J	0.00045 UR	0.00047 U	1.3	0.00049 U	0.00047 U	0.0057	0.0050 J	0.00050 U	0.23 J
Methylene Chloride	100	0.05	0.0023 U	0.0021 U	1.0 U	0.0020 UR	0.0020 U	0.089 U	0.0021 U	0.0025 JB	0.0024 JB	0.0021 U	0.0028 J	0.097 U
m-Xylene & p-Xylene	- -	- -	0.0011 U	0.00098 U	13 J	0.00093 UR	0.00096 U	0.14 U	0.0010 U	0.00096 U	0.00098 U	0.0014 J	0.0010 U	56
o-Xylene	- -	- -	0.00048 U	0.00043 U	0.60 U	0.00041 UR	0.00043 U	0.053 U	0.00045 U	0.00043 U	0.00043 U	0.00045 U	0.00046 U	22
Styrene	- -	- -	0.00057 U	0.00052 U	0.56 U	0.00050 UR	0.00051 U	0.049 U	0.00053 U	0.00051 U	0.00052 U	0.00054 U	0.00055 U	0.053 U
Tetrachloroethene	19	1.3	0.00091 U	0.00083 U	0.54 U	0.00079 UR	0.00081 U	0.047 U	0.00085 U	0.00081 U	0.00083 U	0.00085 U	0.00087 U	0.052 U
Toluene	100	0.7	0.00051 U	0.00046 U	0.63 U	0.00044 UR	0.00045 U	0.056 U	0.00047 U	0.00045 U	0.00046 U	0.00047 U	0.00048 U	**29**
Trichloroethene	21	0.47	0.00038 U	0.00035 U	1.1 U	0.00033 UR	0.00034 U	0.096 U	0.00036 U	0.00034 U	0.00035 U	0.00036 U	0.00037 U	0.10 U
Xylenes (total)	100	1.6	ND	ND	**13 J**	R	ND	ND	ND	ND	ND	0.0014 J	ND	**78**
Total BTEX	10[1]	- -	ND	0.0017 J	70 J	R	ND	ND	ND	ND	ND	0.0038 J	ND	170
Total VOCs	- -	- -	0.013 J	0.017 J	70 J	0.012 J	0.0070 J	ND	0.013 J	0.011 J	0.021 J	0.032 J	0.022 J	170

See Notes on Page 24.

Table 9a. Summary of Soil Analytical Results for Detected VOCs (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	MW-5B 34 - 36 06/07/05	SB-5A 17 - 19 05/02/05	SB-5A 19 - 20 05/02/05	SB-5A 26 - 28 05/03/05	SB-5A 31 - 33 05/03/05	SB-5B 10 - 11 05/02/05	SB-5B 11 - 12 05/02/05	SB-5B 21 - 22 05/02/05	SB-6 10 - 12 05/12/05	SB-6 13 - 15 05/12/05	SB-6 19 - 21 05/12/05
Volatile Organics													
1,1,1-Trichloroethane	100	0.68	0.00053 U [0.00051 U]	0.0025 U	0.00048 U [0.00049 U]	0.00050 U	0.00049 U	0.00045 U	0.044 U	0.00050 U	0.00047 U	0.061 U	0.00052 U
1,1,2-Trichloroethane	- -	- -	0.00037 U [0.00036 U]	0.0018 U	0.00034 U [0.00035 U]	0.00035 U	0.00034 U	0.00032 U	0.056 U	0.00035 U	0.00033 U	0.078 U	0.00036 U
1,1-Dichloroethene	100	0.33	0.00072 U [0.00070 U]	0.0034 U	0.00065 U [0.00067 U]	0.00069 U	0.00067 U	0.00061 U	0.035 U	0.00069 U	0.00064 U	0.048 U	0.00071 U
1,2,4-Trichlorobenzene	- -	- -	0.00086 U [0.00083 U]	0.0041 U	0.00078 U [0.00080 U]	0.00082 U	0.00080 U	0.00073 U	0.031 U	0.00082 U	0.00077 U	0.043 U	0.00084 U
1,2-Dichloroethane	3.1	0.02	0.00039 U [0.00037 U]	0.0018 U	0.00035 U [0.00036 U]	0.00037 U	0.00036 U	0.00033 U	0.034 U	0.00037 U	0.00034 U	0.048 U	0.00038 U
1,2-Dichloropropane	- -	- -	0.00050 U [0.00048 U]	0.0024 U	0.00045 U [0.00047 U]	0.00048 U	0.00046 U	0.00043 U	0.034 U	0.00048 U	0.00045 U	0.048 U	0.00049 U
1,4-Dichlorobenzene	13	1.8	0.00069 U [0.00066 U]	0.0033 U	0.00062 U [0.00064 U]	0.00066 U	0.00064 U	0.00058 U	0.042 U	0.0018 J	0.00061 U	0.058 U	0.00067 U
2-Butanone	100	0.12	0.0036 U [0.0034 U]	0.017 U	0.0032 U [0.0033 U]	0.0034 U	0.0033 U	0.0030 U	0.30 U	0.0034 U	0.0032 U	0.43 U	0.0035 U
2-Hexanone	- -	- -	0.0045 U [0.0044 U]	0.022 U	0.0041 U [0.0042 U]	0.0043 U	0.0042 U	0.0039 U	0.071 U	0.0043 U	0.0040 U	0.099 U	0.0045 U
4-Methyl-2-pentanone	- -	- -	0.0025 U [0.0024 U]	0.012 U	0.0023 U [0.0023 U]	0.0024 U	0.0023 U	0.0021 U	0.14 U	0.0026 J	0.0022 U	0.20 U	0.0024 U
Acetone	100	0.05	0.016 J [0.0041 U]	0.020 U	0.0038 U [0.0039 U]	0.016 JB	0.017 JB	0.0036 U	0.36 U	0.0040 U	0.0079 JB	0.50 U	0.034 BJ
Benzene	4.8	0.06	0.00050 U [0.00049 U]	0.014 J	0.00045 U [0.00047 U]	0.00048 U	0.00047 U	0.00043 U	0.026 U	0.0020 J	0.00045 U	0.036 U	**0.087**
Carbon Disulfide	- -	- -	0.00046 U [0.00045 U]	0.0022 U	0.00042 U [0.00043 U]	0.00044 U	0.00043 U	0.00039 U	0.042 U	0.00044 U	0.00041 U	0.059 U	0.0070
Chlorobenzene	100	1.1	0.00046 U [0.00044 U]	0.0022 U	0.00041 U [0.00043 U]	0.00044 U	0.00042 U	0.00039 U	0.040 U	0.00044 U	0.00041 U	0.055 U	0.00045 U
Chloroform	49	0.37	0.00044 U [0.00042 U]	0.0021 U	0.00040 U [0.00041 U]	0.00042 U	0.00041 U	0.00037 U	0.062 U	0.00042 U	0.00039 U	0.087 U	0.00043 U
Chloromethane	- -	- -	0.0011 U [0.0010 U]	0.0051 U	0.00097 U [0.0010 U]	0.0010 U	0.0010 U	0.00092 U	0.073 U	0.0010 U	0.00096 U	0.10 U	0.0011 U
cis-1,2-Dichloroethene	100	0.25	0.00041 U [0.00040 U]	0.0019 U	0.00037 U [0.00038 U]	0.00039 U	0.00038 U	0.00035 U	0.083 U	0.00039 U	0.00036 U	0.12 U	0.00040 U
Cyclohexane	- -	- -	0.00041 U [0.00039 U]	0.0019 U	0.00037 U [0.00038 U]	0.00039 U	0.00038 U	0.00035 U	0.039 U	0.00039 U	0.00036 U	0.055 U	0.0057 J
Dichlorodifluoromethane	- -	- -	0.0011 U [0.0010 U]	0.0051 U	0.00098 U [0.0010 U]	0.0010 U	0.0010 U	0.00092 U	0.036 U	0.0010 U	0.00096 U	0.050 U	0.0011 U
Ethylbenzene	41	1	0.0030 J [0.0026 J]	0.060	0.00040 U [0.00042 U]	0.00043 U	0.00041 U	0.00038 U	**18**	0.0055 J	0.00040 U	**70 DJ**	0.00044 U
Isopropylbenzene	- -	- -	0.00052 U [0.00051 U]	0.0025 U	0.00047 U [0.00049 U]	0.00050 U	0.00049 U	0.00045 U	4.0	0.00050 U	0.00047 U	7.7	0.0041 J
Methyl Acetate	- -	- -	0.0011 U [0.0011 U]	0.0052 U	0.00099 U [0.0010 U]	0.0010 U	0.0010 U	0.00093 U	0.089 U	0.0010 U	0.00097 U	0.12 U	0.0011 U
Methyl tert-butyl ether	100	0.93	0.00046 U [0.00045 U]	0.0022 U	0.0027 J [0.0026 J]	0.00044 U	0.00043 U	0.00039 U	0.039 U	0.00044 U	0.00041 U	0.054 U	0.023
Methylcyclohexane	- -	- -	0.00053 U [0.00051 U]	0.10	0.00048 U [0.00049 U]	0.00051 U	0.00049 U	0.00045 U	2.8	0.00051 U	0.00047 U	20	0.0060 J
Methylene Chloride	100	0.05	0.0023 U [0.0051 JB]	0.037	0.0069 [0.0053 JB]	0.0022 U	0.0037 JB	0.0020 U	0.067 U	0.0067	0.0020 U	0.094 U	0.0023 U
m-Xylene & p-Xylene	- -	- -	0.0014 J [0.0011 U]	0.25	0.0039 J [0.0010 U]	0.0010 U	0.0010 U	0.00093 U	74 D	0.022	0.00097 U	320 DJ	0.0021 J
o-Xylene	- -	- -	0.0044 J [0.0042 J]	0.0087 J	0.00044 U [0.00045 U]	0.00046 U	0.00045 U	0.00041 U	18	0.0053 J	0.00043 U	120 DJ	0.00047 U
Styrene	- -	- -	0.00058 U [0.00056 U]	0.0028 U	0.00052 U [0.00054 U]	0.00055 U	0.00054 U	0.00049 U	0.037 U	0.00055 U	0.00052 U	0.052 U	0.00057 U
Tetrachloroethene	19	1.3	0.0026 J [0.0015 J]	0.0044 U	0.00083 U [0.00086 U]	0.00088 U	0.00085 U	0.00078 U	0.035 U	0.00088 U	0.00082 U	0.050 U	0.00090 U
Toluene	100	0.7	0.00051 U [0.00049 U]	0.0024 U	0.00046 U [0.00048 U]	0.00049 U	0.00047 U	0.00043 U	0.042 U	0.0030 J	0.00045 U	**59 DJ**	0.0050 J
Trichloroethene	21	0.47	0.00039 U [0.00037 U]	0.0018 U	0.00035 U [0.00036 U]	0.00037 U	0.00036 U	0.00033 U	0.072 U	0.00037 U	0.00035 U	0.10 U	0.00038 U
Xylenes (total)	100	1.6	0.0058 J [0.0042 J]	0.26 J	0.0039 J [ND]	ND	ND	ND	**92**	0.027 J	ND	**440 J**	0.0021 J
Total BTEX	10[1]	- -	0.0088 J [0.0068 J]	0.33 J	0.0039 J [ND]	ND	ND	ND	110	0.038 J	ND	570 J	0.094 J
Total VOCs	- -	- -	0.027 J [0.013 J]	0.37 J	0.011 J [0.0053 J]	0.016 J	0.021 J	ND	110	0.047 J	0.0079 J	570 J	0.14 J

See Notes on Page 24.

Table 9a. Summary of Soil Analytical Results for Detected VOCs (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-6 24 - 26 05/12/05	SB-6 28.5 - 30.5 05/12/05	SB-203 7 - 7.5 10/18/06	SB-203 17 - 17.5 10/18/06	SB-203 24 - 24.5 10/18/06	SB-203 28.5 - 29 10/18/06	SB-204 6.5 - 7 10/17/06	SB-204 13.5 - 14 10/17/06	SB-204 30 - 30.5 10/17/06	SB-205 1 - 2 09/22/06	SB-205 4 - 5 10/12/06
Volatile Organics													
1,1,1-Trichloroethane	100	0.68	0.00051 U [0.00051 U]	0.00049 U	0.0011 U	0.51 U	0.0014 U	0.0012 U	0.0020 U [0.0020 U]	0.0010 U	0.0012 U	0.0055 U	0.0055 U
1,1,2-Trichloroethane	- -	- -	0.00036 U [0.00036 U]	0.00035 U	0.0013 U	0.76 U	0.0017 U	0.0015 U	0.0025 U [0.0025 U]	0.0012 U	0.0015 U	0.0055 U	0.0055 U
1,1-Dichloroethene	100	0.33	0.00070 U [0.00069 U]	0.00068 U	0.0014 U	0.89 U	0.0018 U	0.0015 U	0.0026 U [0.0026 U]	0.0013 U	0.0016 U	0.0055 U	0.0055 U
1,2,4-Trichlorobenzene	- -	- -	0.00083 U [0.00083 U]	0.00081 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	3.1	0.02	0.00037 U [0.00037 U]	0.00036 U	0.0013 U	0.76 U	0.0016 U	0.0014 U	0.0023 U [0.0024 U]	0.0012 U	0.0014 U	0.0055 U	0.0055 U
1,2-Dichloropropane	- -	- -	0.00048 U [0.00048 U]	0.00047 U	0.0014 U	1.1 U	0.0017 U	0.0015 U	0.0025 U [0.0025 U]	0.0013 U	0.0015 U	0.0055 U	0.0055 U
1,4-Dichlorobenzene	13	1.8	0.00066 U [0.00066 U]	0.00065 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	100	0.12	0.0034 U [0.0034 U]	0.0033 U	0.0023 U	1.5 U	0.012 J	0.0025 U	0.0042 U [0.0042 U]	0.0021 U	0.0026 U	0.011 UJ	0.011 UJ
2-Hexanone	- -	- -	0.0044 U [0.0044 U]	0.0043 U	0.0033 U	1.0 U	0.0041 U	0.0036 U	0.0060 U [0.0060 U]	0.0030 U	0.0037 U	0.011 U	0.011 U
4-Methyl-2-pentanone	- -	- -	0.0024 U [0.0024 U]	0.0023 U	0.0015 U	0.89 U	0.0019 U	0.0017 U	0.0028 U [0.15]	0.0014 U	0.0017 U	0.011 U	0.011 U
Acetone	100	0.05	0.019 JB [0.019 JB]	0.012 JB	0.026 U	16 U	0.039 U	0.028 U	0.047 U [0.048 U]	0.024 U	0.029 U	0.022 U	0.022 U
Benzene	4.8	0.06	0.00049 U [0.00048 U]	0.00047 U	0.0011 U	**18**	0.0014 U	0.0012 U	0.0027 J [0.0032 J]	0.0010 U	0.0012 U	0.0055 U	0.0055 U
Carbon Disulfide	- -	- -	0.00045 U [0.00045 U]	0.00044 U	0.00079 U	1.1 U	0.0042 J	0.0061 J	0.0014 U [0.0015 U]	0.00072 U	0.0063 J	0.0055 U	0.0055 U
Chlorobenzene	100	1.1	0.00044 U [0.00044 U]	0.00043 U	0.0010 U	0.51 U	0.0013 U	0.0011 U	0.0019 U [0.0019 U]	0.00094 U	0.0011 UJ	0.0055 U	0.0055 U
Chloroform	49	0.37	0.00042 U [0.00042 U]	0.00041 U	0.00069 U	0.89 U	0.00086 U	0.00075 U	0.0013 U [0.0013 U]	0.00063 U	0.00076 U	0.0055 U	0.0055 U
Chloromethane	- -	- -	0.0010 U [0.0010 U]	0.0010 U	0.0012 U	0.63 U	0.0015 U	0.0013 U	0.0021 U [0.0021 U]	0.0011 U	0.0013 U	0.0055 U	0.0055 U
cis-1,2-Dichloroethene	100	0.25	0.00040 U [0.00039 U]	0.00038 U	0.0013 U	0.76 U	0.0017 U	0.0015 U	0.0025 U [0.0025 U]	0.0012 U	0.0015 U	0.0055 U	0.0055 U
Cyclohexane	- -	- -	0.00039 U [0.00039 U]	0.00038 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	- -	- -	0.0010 U [0.0010 U]	0.0010 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	41	1	0.0027 J [0.00043 U]	0.0028 J	0.0010 U	**39**	0.0086	0.0011 U	0.061 [0.062]	0.00094 U	0.0011 UJ	0.0055 U	0.0029 J
Isopropylbenzene	- -	- -	0.00051 U [0.00050 U]	0.00049 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	- -	- -	0.0011 U [0.0010 U]	0.0010 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	100	0.93	0.00045 U [0.00045 U]	0.00044 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane	- -	- -	0.00051 U [0.00051 U]	0.00050 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	100	0.05	0.0022 U [0.0022 U]	0.0022 U	0.026 U	6.3 U	0.032 U	0.028 U	0.047 U [0.048 U]	0.024 U	0.029 U	0.022 U	0.022 U
m-Xylene & p-Xylene	- -	- -	0.013 [0.0044 J]	0.015	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	- -	- -	0.0040 J [0.0012 J]	0.0051 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	- -	- -	0.00056 U [0.00056 U]	0.00054 U	0.0014 U	12	0.0017 U	0.0015 U	0.0025 U [0.0025 U]	0.0013 U	0.0015 U	0.0055 U	0.0055 U
Tetrachloroethene	19	1.3	0.00089 U [0.00088 U]	0.00086 U	0.00091 U	0.63 U	0.0011 U	0.00099 U	0.0017 U [0.0017 U]	0.00083 U	0.0010 U	0.0055 U	0.0055 U
Toluene	100	0.7	0.0036 J [0.0017 J]	0.0021 J	0.0011 U	**64**	0.0014 U	0.0012 U	0.012 U [0.0041 JB]	0.0010 U	0.0012 UJ	0.0055 U	0.0055 U
Trichloroethene	21	0.47	0.00037 U [0.00037 U]	0.00036 U	0.00088 U	0.89 U	0.0011 U	0.00096 U	0.0016 U [0.0016 U]	0.00081 U	0.00098 U	0.0055 U	0.0055 U
Xylenes (total)	100	1.6	0.017 J [0.0056 J]	0.020 J	0.0025 U	**140**	0.027	0.0028 U	0.022 [0.032]	0.0023 U	0.0028 UJ	0.0055 U	0.0055 U
Total BTEX	10[1]	- -	0.023 J [0.0073 J]	0.025 J	ND	260	0.036	ND	0.086 J [0.10 J]	ND	ND	ND	0.0029 J
Total VOCs	- -	- -	0.042 J [0.026 J]	0.037 J	ND	270	0.052 J	0.0061 J	0.086 J [0.25 J]	ND	0.0063 J	ND	0.0029 J

See Notes on Page 24.

Table 9a. Summary of Soil Analytical Results for Detected VOCs (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-205 8 - 8.5 10/12/06	SB-205 17 - 17.5 10/12/06	SB-208 2 - 3 01/20/07	SB-208 9.5 - 10 01/20/07	SB-208 19 - 20 01/20/07	SB-209 9.4 - 10 01/20/07	SB-209 11 - 13 01/20/07	SB-209 19 - 20 01/20/07	SB-210 7 - 9 12/16/06	SB-210 11 - 13 12/16/06	SB-210 21 - 23 12/16/06	SB-210 25 - 27 12/16/06	SB-210 36 - 37 12/16/06
Volatile Organics															
1,1,1-Trichloroethane	100	0.68	2.2 U	0.0058 U	0.0056 U	0.0063 U	0.040 U	0.0059 UJ	0.0060 U	0.37 UJ	0.0057 UJ	0.0066 UJ	0.0063 UJ	0.0065 UJ	0.0061 UJ
1,1,2-Trichloroethane	- -	- -	2.2 U	0.0058 U	0.0056 U	0.0063 U	0.040 U	0.0059 U	0.0060 U	0.37 U	0.0057 U	0.0066 U	0.0063 U	0.0065 U	0.0061 U
1,1-Dichloroethene	100	0.33	2.2 U	0.0058 U	0.0056 U	0.0063 U	0.040 U	0.0059 U	0.0060 U	0.37 U	0.0057 UJ	0.0066 U	0.0063 U	0.0065 U	0.0061 U
1,2,4-Trichlorobenzene	- -	- -	NA	NA	0.0056 UJ	0.0063 UJ	0.040 U	0.0059 U	0.0060 U	0.37 U	0.0057 U	0.0066 U	0.0063 U	0.0065 U	0.0061 U
1,2-Dichloroethane	3.1	0.02	2.2 U	0.0058 U	0.0056 U	0.0063 U	0.040 U	0.0059 UJ	0.0060 U	0.37 UJ	0.0057 U	0.0066 U	0.0063 U	0.0065 U	0.0061 U
1,2-Dichloropropane	- -	- -	2.2 U	0.0058 U	0.0056 U	0.0063 U	0.040 U	0.0059 U	0.0060 U	0.37 U	0.0057 U	0.0066 U	0.0063 U	0.0065 U	0.0061 U
1,4-Dichlorobenzene	13	1.8	NA	NA	0.0056 U	0.0063 U	0.040 U	0.0059 U	0.0060 U	0.37 U	0.0057 U	0.0066 U	0.0063 U	0.0065 U	0.0061 U
2-Butanone	100	0.12	2.2 U	0.012 UJ	0.014 U	0.016 U	0.099 U	0.015 U	0.015 U	**0.46 J**	0.014 U	0.016 U	0.016 U	0.016 U	0.015 U
2-Hexanone	- -	- -	2.2 U	0.012 U	0.014 U	0.016 U	0.099 U	0.015 U	0.015 U	0.93 U	0.014 U	0.016 U	0.016 U	0.016 U	0.015 U
4-Methyl-2-pentanone	- -	- -	2.2 U	0.012 U	0.014 U	0.016 U	0.099 U	0.015 U	0.015 U	0.93 U	0.014 U	0.016 U	0.016 U	0.016 U	0.015 U
Acetone	100	0.05	**1.4 J**	0.023 U	0.025 J	0.016 U	0.099 U	**0.067**	**0.053**	0.93 U	0.014 UJ	0.041 J	0.024 J	0.025 J	0.015 UJ
Benzene	4.8	0.06	**1.4 J**	0.0058 U	0.00061 J	0.0063 U	**0.86**	0.0022 J	0.021	**2.1**	0.0011 J	0.0025 J	0.044	0.0079	0.0068
Carbon Disulfide	- -	- -	2.2 U	0.0058 U	0.0056 U	0.0063 U	0.040 U	0.0059 U	0.0060 U	0.37 U	0.0057 UJ	0.00071 J	0.0063 UJ	0.0065 UJ	0.0061 UJ
Chlorobenzene	100	1.1	2.2 U	0.0058 U	0.0056 U	0.0063 U	0.040 U	0.0059 U	0.0060 U	0.37 U	0.0057 UJ	0.0066 U	0.0063 U	0.0065 U	0.0061 U
Chloroform	49	0.37	2.2 U	0.0058 U	0.0056 U	0.0063 U	0.040 U	0.0059 U	0.0060 U	0.37 U	0.0057 U	0.0066 U	0.0063 U	0.0065 U	0.0061 U
Chloromethane	- -	- -	2.2 U	0.0058 U	0.0056 U	0.0063 U	0.040 U	0.0059 U	0.0060 U	0.37 U	0.0057 U	0.0066 U	0.0063 U	0.0065 U	0.0061 U
cis-1,2-Dichloroethene	100	0.25	2.2 U	0.0058 U	0.0056 UJ	0.0063 UJ	0.040 U	0.0059 U	0.0060 U	0.37 U	0.0057 U	0.0066 U	0.0063 U	0.0065 U	0.0061 U
Cyclohexane	- -	- -	NA	NA	0.0056 UJ	0.0063 UJ	0.040 U	0.0059 U	0.0060 U	0.37 U	0.0057 U	0.0066 U	0.0063 U	0.0065 U	0.0061 U
Dichlorodifluoromethane	- -	- -	NA	NA	0.0056 U	0.0063 U	0.040 U	0.0059 U	0.0060 U	0.37 U	0.0057 U	0.0066 U	0.0063 U	0.0065 U	0.0061 U
Ethylbenzene	41	1	**30**	0.0058 U	0.0056 U	0.0063 U	0.040 U	0.0059 U	0.0060 U	**2.4**	0.0057 U	0.0066 U	0.0051 J	0.0065 U	0.0061 U
Isopropylbenzene	- -	- -	NA	NA	0.0056 U	0.0063 U	0.040 U	0.0059 U	0.0018 J	0.37 U	0.0057 U	0.0066 U	0.0063 U	0.0065 U	0.0061 U
Methyl Acetate	- -	- -	NA	NA	0.0056 UJ	0.0063 UJ	0.040 U	0.0059 U	0.0060 U	0.37 U	0.0057 U	0.0066 U	0.0063 U	0.0065 U	0.0061 U
Methyl tert-butyl ether	100	0.93	NA	NA	0.0056 U	0.0063 U	0.040 U	0.0059 U	0.0060 U	0.37 U	0.0057 U	0.0066 U	0.0014 J	0.00084 J	0.0061 U
Methylcyclohexane	- -	- -	NA	NA	0.0056 U	0.0063 U	0.040 U	0.0059 U	0.0060 U	0.37 U	0.0057 U	0.0066 U	0.0063 U	0.0065 U	0.0061 U
Methylene Chloride	100	0.05	**0.19 J**	0.023 U	0.0021 J	0.0063 UJ	0.040 U	0.0059 U	0.0060 U	0.37 U	0.0057 U	0.0066 U	0.0063 U	0.0065 U	0.0061 U
m-Xylene & p-Xylene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	- -	- -	2.2 U	0.0058 U	0.0056 U	0.0063 U	0.040 U	0.0059 U	0.0060 U	0.37 U	0.0057 U	0.0066 U	0.0063 U	0.0065 U	0.0061 U
Tetrachloroethene	19	1.3	2.2 U	0.0058 U	0.0056 U	0.0063 U	0.040 U	0.0059 U	0.0060 U	0.37 U	0.0057 UJ	0.0066 UJ	0.0063 UJ	0.0065 UJ	0.0061 UJ
Toluene	100	0.7	2.2 U	0.0058 U	0.0056 U	0.0063 U	0.040 U	0.0059 U	0.0060 U	0.37 U	0.0057 UJ	0.0066 UJ	0.0063 UJ	0.0065 UJ	0.0061 UJ
Trichloroethene	21	0.47	2.2 U	0.0058 U	0.0056 U	0.0063 U	0.040 U	0.0059 U	0.0060 U	0.37 U	0.0057 UJ	0.0066 U	0.0063 U	0.0065 U	0.0061 U
Xylenes (total)	100	1.6	**6.6**	0.0058 U	0.017 U	0.019 U	0.12 U	0.018 U	0.018 U	**2.0**	0.017 U	0.020 U	0.0058 J	0.019 U	0.018 U
Total BTEX	10[1]	- -	38 J	ND	0.00061 J	ND	0.86	0.0022 J	0.021	6.5	0.0011 J	0.0025 J	0.055 J	0.0079	0.0068
Total VOCs	- -	- -	40 J	ND	0.028 J	ND	0.86	0.069 J	0.074	7.0 J	0.0011 J	0.044 J	0.079 J	0.033 J	0.0068

See Notes on Page 24.

Table 9a. Summary of Soil Analytical Results for Detected VOCs (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	MW/SB-213 8 - 9 02/10/07	MW/SB-213 19 - 20 02/10/07	SB-214 5 - 7 01/21/07	SB-214 9.5 - 10 01/21/07	SB-214 11 - 13 01/21/07	SB-214 19 - 20 01/21/07	SB-215 8 - 10 12/16/06	SB-215 14 - 16 12/16/06	SB-215 26 - 28 12/16/06	SB-215 30 - 32 12/16/06	SB-215 34 - 36 12/16/06	SB-216 15 - 16 06/29/06	SB-216 30 - 31 06/29/06
Volatile Organics															
1,1,1-Trichloroethane	100	0.68	0.0057 U	0.0076 U	0.27 U	0.0058 U	0.0057 U	0.0076 U	0.0057 UJ	0.0062 UJ	0.0058 UJ	0.0061 UJ	0.0056 UJ	0.0064 U	0.0061 U
1,1,2-Trichloroethane	- -	- -	0.0057 U	0.0076 U	0.27 U	0.0058 U	0.0057 U	0.0076 U	0.0057 U	0.0062 U	0.0058 U	0.0061 U	0.0056 U	0.0064 U	0.0061 U
1,1-Dichloroethene	100	0.33	0.0057 U	0.0076 U	0.27 U	0.0058 U	0.0057 U	0.0076 U	0.0057 U	0.0062 U	0.0058 U	0.0061 U	0.0056 U	0.0064 U	0.0061 U
1,2,4-Trichlorobenzene	- -	- -	0.0057 U	0.0076 U	0.13 J	0.0058 U	0.0057 U	0.0076 U	0.0057 U	0.0062 U	0.0058 U	0.0061 U	0.0056 U	NA	NA
1,2-Dichloroethane	3.1	0.02	0.0057 U	0.0076 U	0.27 U	0.0058 U	0.0057 U	0.0076 U	0.0057 U	0.0062 U	0.0058 U	0.0061 U	0.0056 U	0.0064 U	0.0061 U
1,2-Dichloropropane	- -	- -	0.0057 U	0.0076 U	0.27 U	0.0058 U	0.0057 U	0.0076 U	0.0057 U	0.0062 U	0.0058 U	0.0061 U	0.0056 U	0.0064 U	0.0061 U
1,4-Dichlorobenzene	13	1.8	0.0057 U	0.0076 U	0.27 U	0.0058 U	0.0057 U	0.0076 U	0.0057 U	0.0062 U	0.0058 U	0.0061 U	0.0056 U	NA	NA
2-Butanone	100	0.12	0.014 U	0.019 U	0.66 U	0.015 U	0.014 U	0.019 U	0.014 U	0.015 U	0.015 U	0.015 U	0.014 U	0.013 UJ	0.012 UJ
2-Hexanone	- -	- -	0.014 U	0.019 U	0.66 U	0.015 U	0.014 U	0.019 U	0.014 U	0.015 U	0.015 U	0.015 U	0.014 U	0.013 UJ	0.012 U
4-Methyl-2-pentanone	- -	- -	0.014 U	0.019 U	0.66 U	0.015 U	0.014 U	0.019 U	0.014 U	0.015 U	0.015 U	0.015 U	0.014 U	0.013 U	0.012 U
Acetone	100	0.05	0.014 U	**0.074 J**	0.66 U	0.025 J	**0.056**	**0.061**	0.014 UJ	**0.051 J**	0.024 J	0.020 J	0.020 J	0.026 U	0.025 U
Benzene	4.8	0.06	0.0057 U	0.021	0.27 U	0.0058 U	0.0021 J	0.0076 U	0.0010 J	0.0028 J	0.0094	**0.14**	0.0047 J	0.0064 U	**0.15**
Carbon Disulfide	- -	- -	0.0057 U	0.0076 U	0.27 U	0.0058 U	0.0057 U	0.0070 J	0.0057 UJ	0.0062 UJ	0.0058 UJ	0.0061 UJ	0.0056 UJ	0.0019 J	0.0025 J
Chlorobenzene	100	1.1	0.0057 U	0.0076 U	0.27 U	0.0058 U	0.0057 U	0.0076 U	0.0057 U	0.0062 U	0.0058 U	0.0061 U	0.0056 U	0.0064 U	0.0061 U
Chloroform	49	0.37	0.0057 U	0.0076 U	0.27 U	0.0058 U	0.0057 U	0.0076 U	0.0057 U	0.0062 U	0.0058 U	0.0061 U	0.0056 U	0.0064 U	0.0011 J
Chloromethane	- -	- -	0.0057 U	0.0076 U	0.27 U	0.0058 U	0.0057 U	0.0076 U	0.0057 U	0.0062 U	0.0058 U	0.0061 U	0.0056 U	0.0064 U	0.0061 U
cis-1,2-Dichloroethene	100	0.25	0.0057 U	0.0076 U	0.27 U	0.0058 U	0.0057 U	0.0076 U	0.0057 U	0.0062 U	0.0058 U	0.0061 U	0.0056 U	0.0064 U	0.0061 U
Cyclohexane	- -	- -	0.0057 U	0.0076 U	0.27 U	0.0058 U	0.0057 U	0.0076 U	0.0057 U	0.0062 U	0.0058 U	0.0061 U	0.0056 U	NA	NA
Dichlorodifluoromethane	- -	- -	0.0057 U	0.0076 U	0.27 U	0.0058 U	0.0057 U	0.0076 U	0.0057 U	0.0062 U	0.0058 U	0.0061 U	0.0056 U	NA	NA
Ethylbenzene	41	1	0.0063	0.012	0.27 U	0.0058 U	0.0057 U	0.0076 U	0.0057 U	0.0062 U	0.0058 U	0.0021 J	0.0056 U	0.0064 U	0.027
Isopropylbenzene	- -	- -	0.0014 J	0.0076 U	2.1	0.016	0.0057 U	0.0076 U	0.0057 U	0.0062 U	0.0058 U	0.0061 U	0.0056 U	NA	NA
Methyl Acetate	- -	- -	0.0057 U	0.0076 U	0.27 U	0.0058 U	0.0057 U	0.0076 U	0.0057 U	0.0062 U	0.0058 U	0.0061 U	0.0056 U	NA	NA
Methyl tert-butyl ether	100	0.93	0.0057 U	0.0060 J	0.27 U	0.0058 U	0.0057 U	0.0076 U	0.0057 U	0.0062 U	0.0022 J	0.0036 J	0.0013 J	NA	NA
Methylcyclohexane	- -	- -	0.0057 U	0.0076 U	2.1	0.11	0.0057 U	0.0076 U	0.0057 U	0.0062 U	0.0058 U	0.0061 U	0.0056 U	NA	NA
Methylene Chloride	100	0.05	0.0057 UJ	0.0076 UJ	0.27 U	0.0058 U	0.0057 U	0.0076 U	0.0057 U	0.0062 U	0.0058 U	0.0061 U	0.0056 U	0.026 UJ	0.025 UJ
m-Xylene & p-Xylene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	- -	- -	0.0057 U	0.0076 U	0.27 U	0.0058 U	0.0057 U	0.0076 U	0.0057 U	0.0062 U	0.0058 U	0.0061 U	0.0056 U	0.0064 U	0.035
Tetrachloroethene	19	1.3	0.0057 U	0.0076 U	0.27 U	0.0058 U	0.0057 U	0.0076 U	0.0030 J	0.0062 UJ	0.0058 UJ	0.0061 UJ	0.0056 UJ	0.0064 U	0.0061 U
Toluene	100	0.7	0.0018 J	0.011	0.27 U	0.0058 U	0.0057 U	0.0076 U	0.0057 UJ	0.0062 UJ	0.0058 UJ	0.0061 UJ	0.0056 UJ	0.0064 U	0.19
Trichloroethene	21	0.47	0.0057 U	0.0076 U	0.27 U	0.0058 U	0.0057 U	0.0076 U	0.0057 U	0.0062 U	0.0058 U	0.0061 U	0.0056 U	0.0064 U	0.0061 U
Xylenes (total)	100	1.6	0.019	0.051	0.27 U	0.017 U	0.017 U	0.023 U	0.017 U	0.019 U	0.017 U	0.0016 J	0.017 U	0.0064 U	0.43
Total BTEX	10[1]	- -	0.027 J	0.095	ND	ND	0.0021 J	ND	0.0010 J	0.0028 J	0.0094	0.14 J	0.0047 J	ND	0.80
Total VOCs	- -	- -	0.027 J	0.17 J	ND	0.025 J	0.058 J	0.068 J	0.0040 J	0.054 J	0.033 J	0.16 J	0.025 J	0.0019 J	0.84 J

See Notes on Page 24.

Table 9a. Summary of Soil Analytical Results for Detected VOCs (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-216 50 - 51 06/29/06	MW/SB-219 5.5 - 6 10/17/06	MW/SB-219 10 - 10.5 10/17/06	MW/SB-219 32 - 32.5 10/17/06	SB-220 7.5 - 8 10/16/06	SB-220 21 - 21.5 10/16/06	SB-221 2 - 4 01/20/07	SB-221 6 - 8 01/20/07	SB-221 9.5 - 10 01/20/07	SB-221 24 - 25 01/20/07	SB-222 1 - 3 01/21/07	SB-222 7.5 - 8.5 01/21/07	SB-222 15 - 17 01/21/07
Volatile Organics															
1,1,1-Trichloroethane	100	0.68	0.0075 U	0.0054 U	0.0058 U	0.0067 U	0.54 U	0.0077 U	0.0056 U	0.32 U	0.0060 U	0.36 U	1.9 U	0.0060 U	0.030 U
1,1,2-Trichloroethane	- -	- -	0.0075 UJ	0.0054 U	0.0058 U	0.0067 U	0.54 U	0.0077 U	0.0056 U	0.32 U	0.0060 U	0.36 U	1.9 U	0.0060 U	0.030 U
1,1-Dichloroethene	100	0.33	0.0075 U	0.0054 U	0.0058 U	0.0067 U	0.54 U	0.0077 U	0.0056 U	0.32 U	0.0060 U	0.36 U	1.9 U	0.0060 U	0.030 U
1,2,4-Trichlorobenzene	- -	- -	NA	NA	NA	NA	NA	NA	0.0056 UJ	0.32 U	0.0060 U	0.36 U	1.9 U	0.0060 U	0.030 U
1,2-Dichloroethane	3.1	0.02	0.0075 UJ	0.0054 U	0.0058 U	0.0067 U	0.54 U	0.0077 U	0.0056 U	0.32 U	0.0060 U	0.36 U	1.9 U	0.0060 U	0.030 U
1,2-Dichloropropane	- -	- -	0.0075 U	0.0054 U	0.0058 U	0.0067 U	0.54 U	0.0077 U	0.0056 U	0.32 U	0.0060 U	0.36 U	1.9 U	0.0060 U	0.030 U
1,4-Dichlorobenzene	13	1.8	NA	NA	NA	NA	NA	NA	0.0056 U	0.32 U	0.0060 U	0.36 U	1.9 U	0.0060 U	0.030 U
2-Butanone	100	0.12	0.015 UJ	0.011 UJ	0.012 UJ	0.0044 J	0.54 U	0.015 UJ	0.014 U	0.81 U	0.015 U	**0.47 J**	4.8 U	0.015 U	0.076 U
2-Hexanone	- -	- -	0.015 UJ	0.011 U	0.012 U	0.013 U	0.54 U	0.015 U	0.014 U	0.81 U	0.015 U	0.91 U	4.8 U	0.015 U	0.076 U
4-Methyl-2-pentanone	- -	- -	0.015 UJ	0.011 U	0.012 U	0.013 U	0.54 U	0.015 U	0.014 U	3.4	0.015 U	0.91 U	4.8 U	0.015 U	0.076 U
Acetone	100	0.05	0.030 U	0.022 U	0.023 U	0.027 U	**0.35 J**	0.031 U	0.014 U	0.81 UJ	**0.067**	0.91 U	4.8 U	0.019	0.076 U
Benzene	4.8	0.06	0.0075 U	0.0054 U	0.0058 U	0.0067 U	0.54 U	0.0077 U	0.0056 U	0.32 U	0.0014 J	**0.71**	**0.39 J**	0.0021 J	**0.72**
Carbon Disulfide	- -	- -	0.0012 J	0.0054 U	0.0058 U	0.0067 U	0.54 U	0.0077 U	0.0056 U	0.32 U	0.0060 U	0.36 U	1.9 U	0.00066 J	0.030 U
Chlorobenzene	100	1.1	0.0075 UJ	0.0054 U	0.0058 U	0.0067 U	0.54 U	0.0077 U	0.0056 U	0.32 U	0.0060 U	0.36 U	1.9 U	0.0060 U	0.030 U
Chloroform	49	0.37	0.0075 U	0.0054 U	0.0058 U	0.0067 U	0.54 U	0.0077 U	0.0056 U	0.32 U	0.0060 U	0.36 U	1.9 U	0.0060 U	0.030 U
Chloromethane	- -	- -	0.0075 U	0.0054 U	0.0058 U	0.0067 U	0.54 U	0.0077 U	0.0056 U	0.32 U	0.0060 U	0.36 U	1.9 U	0.0060 U	0.030 U
cis-1,2-Dichloroethene	100	0.25	0.0075 UJ	0.0054 U	0.0058 U	0.0067 U	0.54 U	0.0077 U	0.0056 UJ	0.32 U	0.0060 U	0.36 U	1.9 U	0.0060 U	0.030 U
Cyclohexane	- -	- -	NA	NA	NA	NA	NA	NA	0.0056 UJ	0.56 J	0.015	0.36 U	1.9 U	0.0060 U	0.20
Dichlorodifluoromethane	- -	- -	NA	NA	NA	NA	NA	NA	0.0056 U	0.32 U	0.0060 U	0.36 U	1.9 U	0.0060 U	0.030 U
Ethylbenzene	41	1	0.0075 UJ	0.0054 U	0.0058 U	0.0067 U	0.54 U	0.0077 U	0.0056 U	0.32 U	0.0060 U	0.69	**17**	0.0038 J	0.024 J
Isopropylbenzene	- -	- -	NA	NA	NA	NA	NA	NA	0.0056 U	3.0	0.031	0.36 U	1.9 U	0.0022 J	0.13
Methyl Acetate	- -	- -	NA	NA	NA	NA	NA	NA	0.0056 UJ	0.32 UJ	0.0060 U	0.36 U	1.9 U	0.0060 U	0.030 U
Methyl tert-butyl ether	100	0.93	NA	NA	NA	NA	NA	NA	0.0056 U	0.32 U	0.0010 J	0.36 U	1.9 U	0.0060 U	0.011 J
Methylcyclohexane	- -	- -	NA	NA	NA	NA	NA	NA	0.0056 U	5.3	0.068	0.36 U	17	0.0034 J	0.17
Methylene Chloride	100	0.05	0.030 UJ	0.022 U	0.023 U	0.027 U	0.54 U	0.031 U	0.0017 J	0.32 U	0.0060 U	0.36 U	1.9 U	0.0060 U	0.030 U
m-Xylene & p-Xylene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	- -	- -	0.0075 UJ	0.0054 U	0.0058 U	0.0067 U	0.54 U	0.0077 U	0.0056 U	0.32 U	0.0060 U	0.36 U	1.9 U	0.0060 U	0.030 U
Tetrachloroethene	19	1.3	0.0075 UJ	0.0054 U	0.0058 U	0.0067 U	0.54 U	0.0077 U	0.0056 U	0.32 U	0.0060 U	0.36 U	1.9 U	0.0060 U	0.030 U
Toluene	100	0.7	0.0075 UJ	0.0054 U	0.0058 U	0.0011 U	0.54 U	0.0077 U	0.0056 U	**2.5**	0.0060 U	0.14 J	**1.0 J**	0.0060 U	0.0064 J
Trichloroethene	21	0.47	0.0075 UJ	0.0054 U	0.0058 U	0.0067 U	0.54 U	0.0077 U	0.0056 U	0.32 U	0.0060 U	0.36 U	1.9 U	0.0060 U	0.030 U
Xylenes (total)	100	1.6	0.0075 UJ	0.0054 U	0.0033 J	0.0067 U	0.13 J	0.0077 U	0.017 U	0.32 U	0.018 U	0.68	**160**	0.031	0.073 J
Total BTEX	10[1]	- -	ND	ND	0.0033 J	ND	0.13 J	ND	ND	2.5	0.0014 J	2.2 J	180 J	0.037 J	0.82 J
Total VOCs	- -	- -	0.0012 J	ND	0.0033 J	0.0044 J	0.48 J	ND	0.0017 J	5.9	0.068 J	2.7 J	180 J	0.057 J	0.82 J

See Notes on Page 24.

Table 9a. Summary of Soil Analytical Results for Detected VOCs (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-222	SB-223	SB-223	SB-223	SB-223	MW/SB-224	MW/SB-224	MW/SB-224	SB-226	SB-226	SB-226	SB-227
Sample Depth(Feet):			19 - 20	12.5 - 13	17.5 - 18	28 - 28.5	32 - 32.5	8 - 8.5	34.5 - 35	37.5 - 38	9 - 9.5	32 - 32.5	33.5 - 34	4.5 - 5
Date Collected:			01/21/07	10/13/06	10/13/06	10/13/06	10/13/06	10/12/06	10/12/06	10/12/06	10/14/06	10/14/06	10/14/06	09/20/06
Volatile Organics														
1,1,1-Trichloroethane	100	0.68	0.38 U	0.57 U [0.58 U]	0.74 U	0.0058 U	0.0066 U	0.0054 U	6.4 U	0.0067 U	0.0063 U	0.0077 U [0.0075 U]	0.0075 U	0.0056 U
1,1,2-Trichloroethane	- -	- -	0.38 U	0.57 U [0.58 U]	0.74 U	0.0058 U	0.0066 U	0.0054 U	6.4 U	0.0067 U	0.0063 U	0.0077 U [0.0075 U]	0.0075 U	0.0056 U
1,1-Dichloroethene	100	0.33	0.38 U	0.57 U [0.58 U]	0.74 U	0.0058 U	0.0066 U	0.0054 U	6.4 U	0.0067 U	0.0063 U	0.0077 U [0.0075 U]	0.0075 U	0.0056 U
1,2,4-Trichlorobenzene	- -	- -	0.38 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	3.1	0.02	0.38 U	0.57 U [0.58 U]	0.74 U	0.0058 U	0.0066 U	0.0054 U	6.4 U	0.0067 U	0.0063 U	0.0077 U [0.0075 U]	0.0075 U	0.0056 U
1,2-Dichloropropane	- -	- -	0.38 U	0.57 U [0.58 U]	0.74 U	0.0058 U	0.0066 U	0.0054 U	6.4 U	0.0067 U	0.0063 U	0.0077 U [0.0075 U]	0.0075 U	0.0056 U
1,4-Dichlorobenzene	13	1.8	0.38 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	100	0.12	**1.4**	0.57 U [0.58 U]	0.74 U	0.012 UJ	0.013 UJ	0.011 UJ	6.4 U	0.013 UJ	0.013 UJ	0.015 UJ [0.015 UJ]	0.015 UJ	0.011 UJ
2-Hexanone	- -	- -	0.96 U	0.57 U [0.58 U]	0.74 U	0.012 U	0.013 U	0.011 U	6.4 U	0.013 U	0.013 U	0.015 U [0.015 U]	0.015 U	0.011 U
4-Methyl-2-pentanone	- -	- -	0.96 U	0.57 U [0.58 U]	0.74 U	0.012 U	0.013 U	0.011 U	6.4 U	0.013 U	0.013 U	0.015 U [0.015 U]	0.015 U	0.011 U
Acetone	100	0.05	0.96 U	**0.59 J [1.4 U]**	1.8 U	0.023 U	0.026 U	**0.11 J**	16 U	0.027 U	0.025 U	0.031 U [0.032 U]	0.030 U	0.022 U
Benzene	4.8	0.06	**4.4**	0.57 U [0.58 U]	**3.2**	**0.074**	0.0014 J	0.0054 U	6.4 U	0.0067 U	0.0063 U	**0.063 [0.043]**	**0.20**	0.0056 U
Carbon Disulfide	- -	- -	0.38 U	0.57 U [0.58 U]	0.74 U	0.0058 U	0.0066 U	0.0054 U	6.4 U	0.0067 U	0.0063 U	0.0077 U [0.0075 U]	0.0019 J	0.0056 U
Chlorobenzene	100	1.1	0.38 U	0.57 U [0.58 U]	0.74 U	0.0058 U	0.0066 U	0.0054 U	6.4 U	0.0067 U	0.0063 U	0.0077 U [0.0075 U]	0.0075 U	0.0056 U
Chloroform	49	0.37	0.38 U	0.57 U [0.58 U]	0.74 U	0.0058 U	0.0066 U	0.0054 U	6.4 U	0.0067 U	0.0063 U	0.0077 U [0.0075 U]	0.0075 U	0.0056 U
Chloromethane	- -	- -	0.38 U	0.57 U [0.58 U]	0.74 U	0.0058 U	0.0066 U	0.0054 U	6.4 U	0.0067 U	0.0063 U	0.0077 U [0.0075 U]	0.0075 U	0.0056 U
cis-1,2-Dichloroethene	100	0.25	0.38 UJ	0.57 U [0.58 U]	0.74 U	0.0058 U	0.0066 U	0.0054 U	6.4 U	0.0067 U	0.0063 U	0.0077 U [0.0075 U]	0.0075 U	0.0056 U
Cyclohexane	- -	- -	0.38 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	- -	- -	0.38 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	41	1	**1.5**	0.57 U [0.58 U]	**2.2**	0.078	0.0066 U	0.0053 J	**25**	0.0079	0.0063 U	0.0071 J [0.0060 J]	0.0097	0.0056 U
Isopropylbenzene	- -	- -	0.38 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	- -	- -	0.38 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	100	0.93	0.12 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane	- -	- -	0.38 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	100	0.05	**0.13 J**	0.046 U [0.046 U]	0.059 U	0.023 U	0.026 U	0.021 U	0.51 U	0.027 U	0.025 U	0.031 U [0.030 U]	0.030 U	0.022 U
m-Xylene & p-Xylene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	- -	- -	0.38 U	0.57 U [0.58 U]	0.74 U	0.0017 J	0.0066 U	0.0054 U	6.4 U	0.0067 U	0.0063 U	0.0077 U [0.0075 U]	0.0075 U	0.0056 U
Tetrachloroethene	19	1.3	0.38 U	0.57 U [0.58 U]	0.74 U	0.0058 U	0.0066 U	0.0054 U	6.4 U	0.0067 U	0.0063 U	0.0077 U [0.0075 U]	0.0075 U	0.0056 U
Toluene	100	0.7	0.57	0.34 J [0.11 J]	0.21 J	0.0071	0.0066 U	0.0054 U	**0.86 J**	0.0067 U	0.0063 U	0.0077 U [0.0075 U]	0.0075 U	0.0056 U
Trichloroethene	21	0.47	0.38 U	0.57 U [0.58 U]	0.74 U	0.0058 U	0.0066 U	0.0054 U	6.4 U	0.0067 U	0.0063 U	0.0077 U [0.0075 U]	0.0075 U	0.0056 U
Xylenes (total)	100	1.6	1.3	0.57 U [0.58 U]	**2.5**	0.050	0.0066 U	0.0031 J	**40**	0.014	0.0063 U	0.011 [0.0085]	0.011	0.0056 U
Total BTEX	10[1]	- -	7.8	0.34 J [0.11 J]	8.1 J	0.21	0.0014 J	0.0084 J	66 J	0.022	ND	0.081 J [0.058 J]	0.22	ND
Total VOCs	- -	- -	9.3 J	0.93 J [0.11 J]	8.1 J	0.21 J	0.0014 J	0.12 J	66 J	0.022	ND	0.081 J [0.058 J]	0.22 J	ND

See Notes on Page 24.

Table 9a. Summary of Soil Analytical Results for Detected VOCs (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: / Sample Depth(Feet): / Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-227 6.8 - 7.3 10/18/06	SB-227 24 - 24.5 10/19/06	SB-227 29 - 29.5 10/19/06	SB-228 8 - 8.5 10/19/06	SB-228 14 - 14.5 10/19/06	SB-228 28 - 28.5 10/19/06	SB-228 47 - 47.5 10/19/06	SB-229 7 - 8 03/03/07	SB-229 29 - 30 03/03/07	MW/SB-231 7 - 8 06/29/06	MW/SB-231 32 - 35 06/29/06	MW/SB-231 44 - 45 06/29/06	MW/SB-231 47 - 48 06/29/06
Volatile Organics															
1,1,1-Trichloroethane	100	0.68	0.0010 U	0.072 U	0.0063 U	0.00097 U	0.0011 U	0.0010 U	0.0011 U	0.0058 U	0.0062 U	0.0058 U	0.033 U	3.4 U	0.0076 U
1,1,2-Trichloroethane	- -	- -	0.0012 U	0.11 U	0.0078 U	0.0012 U	0.0013 U	0.0013 U	0.0014 U	0.0058 U	0.0062 U	0.0058 U	0.033 U	3.4 U	0.0076 U
1,1-Dichloroethene	100	0.33	0.0013 U	0.13 U	0.0082 U	0.0013 U	0.0014 U	0.0013 U	0.0014 U	0.0058 U	0.0062 U	0.0058 U	0.033 U	3.4 U	0.0076 U
1,2,4-Trichlorobenzene	- -	- -	NA	NA	NA	NA	NA	NA	NA	0.0058 U	0.0062 U	NA	NA	NA	NA
1,2-Dichloroethane	3.1	0.02	0.0012 U	0.11 U	0.0075 U	0.0011 U	0.0013 U	0.0012 U	0.0013 U	0.0058 U	0.0062 U	0.0058 U	0.033 U	3.4 U	0.0076 U
1,2-Dichloropropane	- -	- -	0.0013 U	0.16 U	0.0080 U	0.0012 U	0.0014 U	0.0013 U	0.0014 U	0.0058 U	0.0062 U	0.0058 U	0.033 U	3.4 U	0.0076 U
1,4-Dichlorobenzene	13	1.8	NA	NA	NA	NA	NA	NA	NA	0.0058 U	0.0062 U	NA	NA	NA	NA
2-Butanone	100	0.12	0.0021 U	0.22 U	0.013 U	0.0021 U	0.0023 U	0.0022 U	0.0024 U	0.015 U	0.015 U	0.012 UJ	0.067 UJ	3.4 U	0.015 UJ
2-Hexanone	- -	- -	0.0030 U	0.14 U	0.019 U	0.0029 U	0.0033 U	0.0031 U	0.0033 U	0.015 U	0.015 U	0.012 UJ	0.067 UJ	3.4 U	0.015 UJ
4-Methyl-2-pentanone	- -	- -	0.0014 U	0.13 U	0.0089 U	0.0014 U	0.0015 U	0.0014 U	0.0016 U	0.015 U	0.015 U	0.012 U	0.067 U	3.4 U	0.015 U
Acetone	100	0.05	0.024 U	2.3 U	0.15 U	0.023 U	0.046 U	0.024 U	0.026 U	0.015 U	0.015 U	0.023 U	0.13 U	8.4 UJ	0.030 U
Benzene	4.8	0.06	0.0037 J	**16**	**1.0**	0.0010 U	0.014	0.0022 J	0.0011 U	0.0058 U	0.0062 U	0.0058 U	**0.99**	**78**	0.036
Carbon Disulfide	- -	- -	0.0019 J	0.16 U	0.0061 J	0.00071 U	0.012	0.0011 J	0.00081 U	0.0058 U	0.0062 U	0.0058 U	0.0066 J	3.4 U	0.0041 J
Chlorobenzene	100	1.1	0.00094 U	0.072 U	0.0060 U	0.00092 U	0.0010 U	0.00096 U	0.0010 U	0.0058 U	0.0062 U	0.0058 U	0.033 U	3.4 U	0.0076 U
Chloroform	49	0.37	0.00063 U	0.13 U	0.0040 U	0.00061 U	0.00068 U	0.00064 U	0.00070 U	0.0058 U	0.0062 U	0.0058 U	0.033 U	3.4 U	0.0076 U
Chloromethane	- -	- -	0.0011 U	0.090 U	0.0068 U	0.0010 U	0.0012 U	0.0011 U	0.0012 U	0.0058 U	0.0062 U	0.0058 U	0.033 U	3.4 U	0.0076 U
cis-1,2-Dichloroethene	100	0.25	0.0012 U	0.11 U	0.0078 U	0.0012 U	0.0013 U	0.0013 U	0.0014 U	0.0058 U	0.0062 U	0.0058 U	0.033 U	3.4 U	0.0076 U
Cyclohexane	- -	- -	NA	NA	NA	NA	NA	NA	NA	0.0058 U	0.0062 U	NA	NA	NA	NA
Dichlorodifluoromethane	- -	- -	NA	NA	NA	NA	NA	NA	NA	0.0058 U	0.0062 U	NA	NA	NA	NA
Ethylbenzene	41	1	0.00094 U	**6.1**	0.035 J	0.00092 U	0.0010 U	0.00096 U	0.0010 U	0.0058 U	0.0062 U	0.0058 U	0.16	**63**	0.016
Isopropylbenzene	- -	- -	NA	NA	NA	NA	NA	NA	NA	0.0058 U	0.0062 U	NA	NA	NA	NA
Methyl Acetate	- -	- -	NA	NA	NA	NA	NA	NA	NA	0.0058 U	0.0062 U	NA	NA	NA	NA
Methyl tert-butyl ether	100	0.93	NA	NA	NA	NA	NA	NA	NA	0.0058 U	0.0010 J	NA	NA	NA	NA
Methylcyclohexane	- -	- -	NA	NA	NA	NA	NA	NA	NA	0.0058 U	0.0062 U	NA	NA	NA	NA
Methylene Chloride	100	0.05	0.024 U	0.90 U	0.15 U	0.023 U	0.026 U	0.024 U	0.026 U	0.0017 J	0.0062 U	0.023 UJ	0.13 UJ	3.4 U	0.030 UJ
m-Xylene & p-Xylene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	- -	- -	0.0013 U	0.17 J	0.0080 U	0.0012 U	0.0014 U	0.0013 U	0.0014 U	0.0058 U	0.0062 U	0.0058 U	0.033 U	3.4 U	0.0076 U
Tetrachloroethene	19	1.3	0.00084 U	0.090 U	0.0053 U	0.00081 U	0.00090 U	0.00085 U	0.00092 U	0.0058 U	0.0062 U	0.0058 U	0.033 U	3.4 U	0.0076 U
Toluene	100	0.7	0.0010 U	**5.5**	0.0068 J	0.0011 J	0.0064 U	0.0061 U	0.0011 U	0.0058 U	0.0062 U	0.0058 U	0.012 J	**22**	0.0076 U
Trichloroethene	21	0.47	0.00081 U	0.13 U	0.0051 U	0.00079 U	0.00088 U	0.00083 U	0.00090 U	0.0058 U	0.0062 U	0.0058 U	0.033 U	3.4 U	0.0076 U
Xylenes (total)	100	1.6	0.0024 J	**19**	0.13	0.0023 U	0.0025 U	0.0024 U	0.0026 U	0.017 U	0.019 U	0.0058 U	0.21	**220**	0.069
Total BTEX	10[1]	- -	0.0061 J	47	1.2 J	0.0011 J	0.014	0.0022 J	ND	ND	ND	ND	1.4 J	380	0.12
Total VOCs	- -	- -	0.0080 J	47 J	1.2 J	0.0011 J	0.026	0.0033 J	ND	0.0017 J	ND	ND	1.4 J	380	0.13 J

See Notes on Page 24.

Table 9a. Summary of Soil Analytical Results for Detected VOCs (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	MW/SB-232B 0 - 3 01/16/07	MW/SB-232B 9 - 9.5 01/16/07	MW/SB-232B 16 - 18 01/16/07	MW/SB-232B 30.5 - 31 01/16/07	MW/SB-232B 32 - 34 01/16/07	MW/SB-232B 75 - 76 01/16/07	MW/SB-233B 2 - 5 01/19/07	MW/SB-233B 9 - 9.5 01/19/07	MW/SB-233B 24 - 26 01/19/07	MW/SB-233B 42 - 43 01/19/07
Volatile Organics												
1,1,1-Trichloroethane	100	0.68	0.0060 U	0.0063 U	0.29 U	0.0062 U	0.0074 U	0.0062 U	0.0057 U	0.0061 U	0.28 U [0.30 U]	0.28 U
1,1,2-Trichloroethane	- -	- -	0.0060 U	0.0063 U	0.29 U	0.0062 U	0.0074 U	0.0062 U	0.0057 U	0.0061 U	0.28 U [0.30 U]	0.28 U
1,1-Dichloroethene	100	0.33	0.0060 U	0.0063 U	0.29 U	0.0062 U	0.0074 U	0.0062 U	0.0057 U	0.0061 U	0.28 U [0.30 U]	0.28 U
1,2,4-Trichlorobenzene	- -	- -	0.0060 U	0.0063 U	0.29 U	0.0062 U	0.0074 U	0.0062 U	0.0057 U	0.0061 U	0.28 U [0.30 U]	0.28 U
1,2-Dichloroethane	3.1	0.02	0.0060 U	0.0063 U	0.29 U	0.0062 U	0.0074 U	0.0062 U	0.0057 U	0.0061 U	0.28 U [0.30 U]	0.28 U
1,2-Dichloropropane	- -	- -	0.0060 U	0.0063 U	0.29 U	0.0062 U	0.0074 U	0.0062 U	0.0057 U	0.0061 U	0.28 U [0.30 U]	0.28 U
1,4-Dichlorobenzene	13	1.8	0.0060 U	0.0063 U	0.29 U	0.0062 U	0.0074 U	0.0062 U	0.0057 U	0.0061 U	0.28 U [0.30 U]	0.28 U
2-Butanone	100	0.12	0.015 U	0.016 U	**0.89**	0.015 U	**1.0 D**	0.015 U	0.014 U	0.015 U	**0.69 J [0.81]**	**0.64 J**
2-Hexanone	- -	- -	0.015 U	0.016 U	0.73 U	0.015 U	0.018 U	0.015 U	0.014 U	0.015 U	0.70 U [0.74 U]	0.71 U
4-Methyl-2-pentanone	- -	- -	0.015 U	0.016 U	0.73 U	0.015 U	0.018 U	0.015 U	0.014 U	0.015 U	0.70 U [0.74 U]	0.71 U
Acetone	100	0.05	0.015 U	0.016 U	0.73 U	0.015 U	**0.17 J**	0.015 U	0.014 U	**0.066 J**	0.70 U [0.74 U]	0.71 U
Benzene	4.8	0.06	0.0022 J	0.00092 J	**0.34**	**0.22**	**0.91 D**	0.0062 U	0.0057 U	0.011	**1.1 [1.7]**	**9.9 D**
Carbon Disulfide	- -	- -	0.0060 U	0.0063 U	0.29 U	0.0062 U	0.0059 J	0.0062 U	0.0057 U	0.0032 J	0.28 U [0.30 U]	0.28 U
Chlorobenzene	100	1.1	0.0060 U	0.0063 U	0.29 U	0.0062 U	0.0074 U	0.0062 U	0.0057 U	0.0061 U	0.28 U [0.30 U]	0.28 U
Chloroform	49	0.37	0.0060 U	0.0063 U	0.29 U	0.0062 U	0.0074 U	0.0062 U	0.0057 U	0.0061 U	0.28 U [0.30 U]	0.28 U
Chloromethane	- -	- -	0.0060 UJ	0.0063 UJ	0.29 U	0.0062 UJ	0.0074 U	0.0062 UJ	0.0057 U	0.0061 U	0.28 U [0.30 U]	0.28 U
cis-1,2-Dichloroethene	100	0.25	0.0060 U	0.0063 U	0.29 U	0.0062 U	0.0074 U	0.0062 U	0.0057 U	0.0061 U	0.28 U [0.30 U]	0.28 U
Cyclohexane	- -	- -	0.0060 UJ	0.0063 UJ	0.29 UJ	0.0021 J	0.0074 UJ	0.0062 UJ	0.0057 UJ	0.0061 UJ	0.28 UJ [0.30 UJ]	0.28 UJ
Dichlorodifluoromethane	- -	- -	0.0060 UJ	0.0063 UJ	0.29 U	0.0062 UJ	0.0074 U	0.0062 UJ	0.0057 U	0.0061 U	0.28 U [0.30 U]	0.28 U
Ethylbenzene	41	1	0.0060 U	0.0063 U	**4.9**	0.055	0.50 D	0.0062 U	0.0057 U	0.0061 U	**11 [14 D]**	**19**
Isopropylbenzene	- -	- -	0.0060 U	0.0017 J	2.2	0.065	0.0078	0.0062 U	0.0057 U	0.0061 U	2.3 [2.8]	2.2 D
Methyl Acetate	- -	- -	0.0060 UJ	0.0063 UJ	0.29 U	0.0062 UJ	0.0074 U	0.0062 UJ	0.0057 U	0.0061 U	0.28 U [0.30 U]	0.28 U
Methyl tert-butyl ether	100	0.93	0.0060 U	0.0063 U	0.29 U	0.0062 U	0.0074 U	0.0062 U	0.0057 U	0.0061 U	0.28 U [0.30 U]	0.28 U
Methylcyclohexane	- -	- -	0.0060 U	0.0063 U	0.071 J	0.0062 U	0.0074 UJ	0.0062 U	0.0057 UJ	0.0061 UJ	0.19 J [0.20 J]	0.15 J
Methylene Chloride	100	0.05	0.0060 UJ	0.0063 UJ	0.29 U	0.0062 UJ	0.0074 U	0.0062 UJ	0.0057 U	0.0061 U	0.28 U [0.30 U]	0.28 U
m-Xylene & p-Xylene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	- -	- -	0.0060 U	0.0063 U	0.29 U	0.0062 U	0.0074 U	0.0062 U	0.0057 U	0.0061 U	0.28 U [0.30 U]	0.28 U
Tetrachloroethene	19	1.3	0.0060 U	0.0063 U	0.29 U	0.0062 U	0.0074 U	0.0062 U	0.0057 U	0.0061 U	0.28 U [0.30 U]	0.28 U
Toluene	100	0.7	0.00079 J	0.0063 U	0.14 J	0.0053 J	0.0030 J	0.0062 U	0.0057 U	0.0018 J	0.082 J [0.11 J]	**19 D**
Trichloroethene	21	0.47	0.0060 U	0.0063 U	0.29 U	0.0062 U	0.0074 U	0.0062 U	0.0057 U	0.0061 U	0.28 U [0.30 U]	0.28 U
Xylenes (total)	100	1.6	0.0018 J	0.019 U	**5.9**	0.058	0.80 D	0.019 U	0.017 U	0.018 U	**8.0 [12]**	**73**
Total BTEX	10[1]	- -	0.0048 J	0.00092 J	11 J	0.34 J	2.2 J	ND	ND	0.013 J	20 J [28 J]	120
Total VOCs	- -	- -	0.0048 J	0.00092 J	12 J	0.34 J	3.4 J	ND	ND	0.082 J	21 J [29 J]	120 J

See Notes on Page 24.

Table 9a. Summary of Soil Analytical Results for Detected VOCs (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	MW/SB-233B 43 - 44 01/19/07	MW/SB-233B 44 - 46 01/19/07	MW/SB-233B 78 - 80 01/19/07	SB-234 4.5 - 5 01/25/07	SB-234 12 - 12.5 01/25/07	SB-234 16.5 - 17 01/25/07	SB-234 18 - 18.5 01/25/07	SB-234 22 - 22.5 01/25/07	SB-234 29.5 - 30 01/25/07	SB-235 5 - 6 06/29/06	SB-235 6 - 7 06/29/06
Volatile Organics													
1,1,1-Trichloroethane	100	0.68	8.6 U	0.27 U	0.0058 U	0.0056 U	0.0069 U	0.57 U	0.0063 U [0.0059 U]	0.0059 U	0.0061 U	0.0064 U	0.0066 U
1,1,2-Trichloroethane	- -	- -	8.6 U	0.27 U	0.0058 U	0.0056 U	0.0069 U	0.57 U	0.0063 U [0.0059 U]	0.0059 U	0.0061 U	0.0064 U	0.0066 U
1,1-Dichloroethene	100	0.33	8.6 U	0.27 U	0.0058 U	0.0056 U	0.0069 U	0.57 U	0.0063 U [0.0059 U]	0.0059 U	0.0061 U	0.0064 U	0.0066 U
1,2,4-Trichlorobenzene	- -	- -	8.6 UJ	0.27 U	0.0058 U	0.0056 U	0.0069 U	0.57 U	0.0063 U [0.0059 U]	0.0059 U	0.0061 U	NA	NA
1,2-Dichloroethane	3.1	0.02	8.6 U	0.27 U	0.0058 U	0.0056 UJ	0.0069 UJ	0.57 U	0.00065 J [0.0059 UJ]	0.0059 UJ	0.0061 UJ	0.0064 U	0.0066 U
1,2-Dichloropropane	- -	- -	8.6 U	0.27 U	0.0058 U	0.0056 UJ	0.0069 UJ	0.57 U	0.0063 UJ [0.0059 UJ]	0.0059 UJ	0.0061 UJ	0.0064 U	0.0066 U
1,4-Dichlorobenzene	13	1.8	8.6 U	0.27 U	0.0058 U	0.0056 U	0.0069 U	0.57 U	0.0063 U [0.0059 U]	0.0059 U	0.0061 U	NA	NA
2-Butanone	100	0.12	21 U	**0.63 J**	0.015 U	0.014 UJ	0.0042 J	1.4 U	0.0031 J [0.0024 J]	0.015 UJ	0.015 UJ	0.013 UJ	0.013 UJ
2-Hexanone	- -	- -	21 U	0.66 U	0.015 U	0.014 UJ	0.017 UJ	1.4 U	0.016 UJ [0.015 UJ]	0.015 UJ	0.015 UJ	0.013 UJ	0.013 UJ
4-Methyl-2-pentanone	- -	- -	21 U	0.66 U	0.015 U	0.014 UJ	0.017 UJ	1.4 U	0.016 UJ [0.015 UJ]	0.015 UJ	0.015 UJ	0.013 U	0.013 U
Acetone	100	0.05	21 U	0.66 U	**0.070**	0.014 U	0.0083 J	1.4 U	0.016 U [0.015 U]	0.015 U	0.015 UJ	0.027 U	0.026 U
Benzene	4.8	0.06	**120**	**0.22 J**	0.0058 U	0.0056 U	0.0047 J	**0.23 J**	0.038 J [0.0073 J]	0.0059 U	0.0061 U	0.0064 U	0.0066 U
Carbon Disulfide	- -	- -	8.6 U	0.27 U	0.0058 U	0.0056 U	0.0019 J	8.6	0.057 J [0.016]	0.00063 J	0.00062 J	0.0057 J	0.0039 J
Chlorobenzene	100	1.1	8.6 U	0.27 U	0.0058 U	0.0056 U	0.0069 U	0.57 U	0.0063 U [0.0059 U]	0.0059 U	0.0061 U	0.0064 U	0.0066 U
Chloroform	49	0.37	8.6 U	0.27 U	0.0058 U	0.0056 U	0.0069 U	0.57 U	0.0063 U [0.0059 U]	0.0059 U	0.0061 U	0.0064 U	0.0066 U
Chloromethane	- -	- -	8.6 U	0.27 U	0.0058 UJ	0.0056 UJ	0.0069 UJ	0.57 U	0.0063 UJ [0.0059 UJ]	0.0059 UJ	0.0061 UJ	0.0064 U	0.0066 U
cis-1,2-Dichloroethene	100	0.25	8.6 U	0.27 U	0.0058 U	0.0056 U	0.0069 U	0.57 U	0.0063 U [0.0059 U]	0.0059 U	0.0061 U	0.0064 U	0.0066 U
Cyclohexane	- -	- -	8.6 UJ	0.27 UJ	0.0058 UJ	0.0056 U	0.0069 U	0.57 U	0.0063 U [0.0059 U]	0.0059 U	0.0061 U	NA	NA
Dichlorodifluoromethane	- -	- -	8.6 U	0.27 U	0.0058 UJ	0.0056 UJ	0.0069 UJ	0.57 UJ	0.0063 UJ [0.0059 UJ]	0.0059 UJ	0.0061 UJ	NA	NA
Ethylbenzene	41	1	**59**	0.12 J	0.0058 U	0.0056 U	0.0069 U	0.57 U	0.018 J [0.0055 J]	0.0059 U	0.0061 U	0.0064 U	0.0066 U
Isopropylbenzene	- -	- -	3.8 J	0.27 U	0.0058 U	0.0056 U	0.0069 U	0.57 U	0.0063 U [0.0059 U]	0.0059 U	0.0061 U	NA	NA
Methyl Acetate	- -	- -	8.6 UJ	0.27 U	0.0058 UJ	0.0056 U	0.0069 UJ	0.57 U	0.0063 U [0.0059 U]	0.0059 U	0.0061 UJ	NA	NA
Methyl tert-butyl ether	100	0.93	8.6 U	0.27 U	0.0058 U	0.0056 U	0.0069 UJ	0.57 U	0.0063 U [0.0059 U]	0.0059 U	0.0061 UJ	NA	NA
Methylcyclohexane	- -	- -	8.6 U	0.27 UJ	0.0058 U	0.0056 U	0.0069 U	0.57 U	0.0063 U [0.0059 U]	0.0059 U	0.0061 U	NA	NA
Methylene Chloride	100	0.05	8.6 UJ	0.27 U	0.0058 UJ	0.0027 J	0.0069 UJ	0.57 U	0.0031 J [0.0012 J]	0.0019 J	0.0061 UJ	0.026 UJ	0.026 UJ
m-Xylene & p-Xylene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	- -	- -	8.6 U	0.27 U	0.0058 U	0.0056 U	0.0069 U	0.57 U	0.0063 U [0.0059 U]	0.0059 U	0.0061 U	0.0064 U	0.0066 U
Tetrachloroethene	19	1.3	8.6 U	0.27 U	0.0058 U	0.0056 U	0.0069 U	0.57 U	0.0063 U [0.0059 U]	0.0059 U	0.0061 U	0.0026 J	0.0025 J
Toluene	100	0.7	**230**	0.39	0.0058 U	0.00065 J	0.00086 J	0.23 J	0.11 J [0.025 J]	0.0059 U	0.0061 U	0.0064 U	0.0066 U
Trichloroethene	21	0.47	8.6 U	0.27 U	0.0058 U	0.0056 U	0.0069 U	0.57 U	0.0063 U [0.0059 U]	0.0059 U	0.0061 U	0.0064 U	0.0066 U
Xylenes (total)	100	1.6	**310**	0.62	0.017 U	0.017 U	0.021 U	0.26 J	0.22 J [0.070 J]	0.018 U	0.018 U	0.0064 U	0.0066 U
Total BTEX	10[1]	- -	720	1.4 J	ND	0.00065 J	0.0056 J	0.72 J	0.39 J [0.11 J]	ND	ND	ND	ND
Total VOCs	- -	- -	720	2.0 J	0.070	0.0034 J	0.020 J	9.3 J	0.45 J [0.13 J]	0.0025 J	0.00062 J	0.0083 J	0.0064 J

See Notes on Page 24.

Table 9a. Summary of Soil Analytical Results for Detected VOCs (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-235 41 - 42 06/29/06	SB-235 50 - 51 06/29/06	MW/SB-236A 9.5 - 10.5 01/22/07	MW/SB-236A 75 - 76 01/23/07	MW/SB-236B 39 - 40 01/22/07	SB-237 5 - 7 02/28/07	SB-237 7 - 9 02/28/07	SB-237 8 - 9 03/04/07	SB-237 9 - 9.5 02/28/07	SB-237 11 - 11.5 02/28/07	SB-237 17 - 18 03/04/07	SB-237 24 - 25 03/04/07
Volatile Organics														
1,1,1-Trichloroethane	100	0.68	0.013 U	0.0077 U	0.0061 U	0.0060 U	0.0078 U	0.0057 U	0.0060 U	0.0061 U	0.0063 U	0.0058 U	0.0057 U	0.0081 U
1,1,2-Trichloroethane	- -	- -	0.013 U	0.0077 UJ	0.0061 U	0.0060 U	0.0078 U	0.0057 U	0.0060 U	0.0061 U	0.0063 U	0.0058 U	0.0057 U	0.0081 U
1,1-Dichloroethene	100	0.33	0.013 U	0.0077 U	0.0061 U	0.0060 U	0.0078 U	0.0057 U	0.0060 U	0.0061 U	0.0063 U	0.0058 U	0.0057 U	0.0081 U
1,2,4-Trichlorobenzene	- -	- -	NA	NA	0.0061 U	0.0060 UJ	0.0078 U	0.0057 U	0.0060 U	0.0061 U	0.0063 U	0.0058 U	0.0057 U	0.0081 U
1,2-Dichloroethane	3.1	0.02	0.013 U	0.0077 UJ	0.0061 U	0.0060 U	0.0078 U	0.0057 U	0.0060 U	0.0061 U	0.0063 U	0.0058 U	0.0057 U	0.0081 U
1,2-Dichloropropane	- -	- -	0.013 U	0.0077 U	0.0061 U	0.0060 U	0.0078 U	0.0057 U	0.0060 U	0.0061 U	0.0063 U	0.0058 U	0.0057 U	0.0081 U
1,4-Dichlorobenzene	13	1.8	NA	NA	0.0061 U	0.0060 U	0.0078 U	0.0057 U	0.0060 U	0.0061 U	0.0063 U	0.0058 U	0.0057 U	0.0081 U
2-Butanone	100	0.12	0.026 UJ	0.015 UJ	0.015 U	0.015 U	0.020 U	0.014 U	0.015 U	0.015 U	0.016 U	0.015 U	0.014 U	0.020 U
2-Hexanone	- -	- -	0.026 UJ	0.015 UJ	0.015 U	0.015 U	0.020 U	0.014 U	0.015 U	0.015 U	0.016 U	0.015 U	0.014 U	0.020 U
4-Methyl-2-pentanone	- -	- -	0.026 U	0.015 U	0.015 U	0.015 U	0.020 U	0.014 U	0.015 U	0.015 U	0.016 U	0.015 U	0.014 U	0.020 U
Acetone	100	0.05	0.052 U	0.031 U	0.015 U	0.015 U	**0.11**	0.048 J	**0.078**	0.017	**0.075**	**0.085**	0.014 U	0.023
Benzene	4.8	0.06	**0.29**	0.0077 U	0.0061 U	0.0060 U	0.0078 U	0.0057 U	0.010	0.00090 J	0.0040 J	**0.18**	**0.31 D**	**0.68 D**
Carbon Disulfide	- -	- -	0.0024 J	0.0017 J	0.0061 U	0.0060 U	0.0078 U	0.0057 U	0.0060 U	0.0066	0.0063 U	0.0058 U	0.0036 J	0.0029 J
Chlorobenzene	100	1.1	0.013 U	0.0077 UJ	0.0061 U	0.0060 U	0.0078 U	0.0057 U	0.0060 U	0.0061 U	0.0063 U	0.0058 U	0.0057 U	0.0081 U
Chloroform	49	0.37	0.013 U	0.0077 UJ	0.0061 U	0.0060 U	0.0078 U	0.0057 U	0.0060 U	0.0061 U	0.0063 U	0.0058 U	0.0057 U	0.0081 U
Chloromethane	- -	- -	0.013 U	0.0077 U	0.0061 U	0.0060 U	0.0078 U	0.0057 U	0.0060 U	0.0061 U	0.0063 U	0.0058 U	0.0057 U	0.0081 U
cis-1,2-Dichloroethene	100	0.25	0.013 U	0.0077 U	0.0061 U	0.0060 UJ	0.0078 U	0.0057 U	0.0060 U	0.0061 U	0.0063 U	0.0058 U	0.0057 U	0.0081 U
Cyclohexane	- -	- -	NA	NA	0.0061 U	0.0060 UJ	0.0078 U	0.0057 U	0.0060 U	0.0061 U	0.0063 U	0.0058 U	0.0026 J	0.0081 U
Dichlorodifluoromethane	- -	- -	NA	NA	0.0061 U	0.0060 U	0.0078 U	0.0057 U	0.0060 U	0.0061 U	0.0063 U	0.0058 U	0.0057 U	0.0081 U
Ethylbenzene	41	1	0.17	0.0077 UJ	0.0061 U	0.0060 U	0.0078 U	0.0017 J	0.020	0.0061 U	0.0063 U	0.041	**1.6 D**	**1.5 D**
Isopropylbenzene	- -	- -	NA	NA	0.0061 U	0.0060 U	0.0078 U	0.0057 U	0.011	0.0057 J	0.0063 U	0.024	0.43 D	0.13 D
Methyl Acetate	- -	- -	NA	NA	0.0061 U	0.0060 UJ	0.0078 U	0.0057 U	0.0060 U	0.0061 U	0.0063 U	0.0058 U	0.0057 U	0.0081 U
Methyl tert-butyl ether	100	0.93	NA	NA	0.0061 U	0.0060 U	0.0078 U	0.0057 U	0.0060 U	0.0061 U	0.0063 U	0.0058 U	0.0057 U	0.0081 U
Methylcyclohexane	- -	- -	NA	NA	0.0061 U	0.0060 U	0.0078 U	0.0057 U	0.0060 U	0.0061 U	0.0063 U	0.0058 U	0.0040 J	0.0081 U
Methylene Chloride	100	0.05	0.052 UJ	0.031 UJ	0.0061 U	0.0015 J	0.0078 U	0.0057 U	0.0060 U	0.0061 U	0.0063 U	0.0058 U	0.0015 J	0.0035 J
m-Xylene & p-Xylene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	- -	- -	0.013 U	0.0077 UJ	0.0061 U	0.0060 U	0.0078 U	0.0057 U	0.0060 U	0.0061 U	0.0063 U	0.0058 U	0.0057 U	0.0081 U
Tetrachloroethene	19	1.3	0.013 U	0.0077 UJ	0.0061 U	0.0060 U	0.0078 U	0.0057 U	0.0060 U	0.0061 U	0.0063 U	0.0058 U	0.0057 U	0.0081 U
Toluene	100	0.7	0.013 J	0.0077 UJ	0.0061 U	0.0060 U	0.0078 U	0.0057 UJ	0.0014 J	0.0061 U	0.0018 J	0.0038 J	0.082	0.048 JD
Trichloroethene	21	0.47	0.013 U	0.0077 U	0.0061 U	0.0060 U	0.0078 U	0.0057 U	0.0060 U	0.0061 U	0.0063 U	0.0058 U	0.0057 U	0.0081 U
Xylenes (total)	100	1.6	0.42	0.0077 UJ	0.018 U	0.018 U	0.023 U	0.0095 J	0.063	0.018 U	0.0063 J	0.055	**3.0 D**	**3.3 D**
Total BTEX	10[1]	- -	0.89 J	ND	ND	ND	ND	0.011 J	0.094 J	0.00090 J	0.012 J	0.28 J	5.0	5.5 J
Total VOCs	- -	- -	0.90 J	0.0017 J	ND	0.0015 J	0.11	0.059 J	0.17 J	0.025 J	0.087 J	0.37 J	5.0 J	5.6 J

See Notes on Page 24.

Table 9a. Summary of Soil Analytical Results for Detected VOCs (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	MW/SB-238 21.5 - 22.5 06/28/06	MW/SB-238 25 - 26 06/28/06	MW/SB-238 26 - 28 06/28/06	SB-245 9 - 10 06/26/06	SB-245 14 - 15 06/26/06	SB-245 20 - 22.5 06/27/06	SB-245 39.5 - 40.5 06/27/06	SB-247 17 - 19 06/28/06	SB-247 33 - 34 06/28/06	SB-247 36 - 37 06/26/06	SB-250 2 - 2.5 01/24/07	SB-250 9 - 9.5 01/24/07
Volatile Organics														
1,1,1-Trichloroethane	100	0.68	0.0059 U	0.022 U	0.76 U	0.0064 U	0.0057 UJ [0.0056 U]	6.9 U	0.016 UJ	0.0066 U	0.70 U	0.0085 U	0.0054 U	0.0061 U
1,1,2-Trichloroethane	- -	- -	0.0059 U	0.022 U	0.76 U	0.0064 U	0.0057 UJ [0.0056 U]	6.9 U	0.016 UJ	0.0066 U	0.70 U	0.0085 U	0.0054 U	0.0061 U
1,1-Dichloroethene	100	0.33	0.0059 U	0.022 U	0.76 U	0.0064 U	0.0057 UJ [0.0056 U]	6.9 U	0.016 UJ	0.0066 U	0.70 U	0.0085 U	0.0054 UJ	0.0061 U
1,2,4-Trichlorobenzene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0054 U	0.0061 U
1,2-Dichloroethane	3.1	0.02	0.0059 U	0.022 U	0.76 U	0.0064 U	0.0057 UJ [0.0056 U]	6.9 U	0.016 UJ	0.0066 U	0.70 U	0.0085 U	0.0054 U	0.0061 U
1,2-Dichloropropane	- -	- -	0.0059 U	0.022 U	0.76 U	0.0064 U	0.0057 UJ [0.0056 U]	6.9 U	0.016 UJ	0.0066 U	0.70 U	0.0085 U	0.0054 U	0.0061 U
1,4-Dichlorobenzene	13	1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0054 U	0.0061 U
2-Butanone	100	0.12	0.012 UJ	0.045 UJ	0.76 U	0.013 UJ	0.011 UJ [0.011 UJ]	6.9 U	0.032 UJ	0.013 UJ	0.70 U	0.017 UJ	0.013 U	0.015 U
2-Hexanone	- -	- -	0.012 UJ	0.045 UJ	0.76 U	0.013 UJ	0.011 UJ [0.011 UJ]	6.9 U	0.032 UJ	0.013 UJ	0.70 U	0.017 UJ	0.013 U	0.015 U
4-Methyl-2-pentanone	- -	- -	0.012 U	0.045 U	0.76 U	0.013 U	0.011 UJ [0.011 U]	6.9 U	0.032 UJ	0.013 U	0.70 U	0.017 U	0.013 U	0.015 U
Acetone	100	0.05	0.024 U	0.11 UJ	1.9 UJ	0.026 U	0.023 UJ [0.022 U]	17 UJ	0.065 UJ	0.026 U	1.7 UJ	0.034 U	0.013 U	**0.086**
Benzene	4.8	0.06	0.0076	**0.29**	**1.8**	0.0064 U	0.0051 J [0.0059]	**45**	**0.44 J**	0.0066 U	**19**	0.0034 J	0.0054 UJ	0.0061 U
Carbon Disulfide	- -	- -	0.0022 J	0.0072 J	0.76 U	0.0064 U	0.0097 J [0.015]	6.9 U	0.0044 J	0.0025 J	0.20 J	0.0020 J	0.0054 U	0.0061 U
Chlorobenzene	100	1.1	0.0059 U	0.022 U	0.76 U	0.0064 U	0.0057 UJ [0.0056 U]	6.9 U	0.016 UJ	0.0066 U	0.70 U	0.0085 U	0.0054 UJ	0.0061 U
Chloroform	49	0.37	0.0059 U	0.022 U	0.76 U	0.0064 U	0.0057 UJ [0.0056 U]	6.9 U	0.016 UJ	0.0066 U	0.70 U	0.0085 U	0.0054 U	0.0061 U
Chloromethane	- -	- -	0.0059 U	0.022 U	0.11 J	0.0064 U	0.0057 UJ [0.0056 U]	6.9 U	0.016 UJ	0.0066 U	0.70 U	0.0085 U	0.0054 U	0.0061 U
cis-1,2-Dichloroethene	100	0.25	0.0059 U	0.022 U	0.76 U	0.0064 U	0.0057 UJ [0.0056 U]	6.9 U	0.016 UJ	0.0066 U	0.70 U	0.0085 U	0.0054 U	0.0061 U
Cyclohexane	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0054 U	0.0061 U
Dichlorodifluoromethane	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0054 UJ	0.0061 UJ
Ethylbenzene	41	1	0.0010 J	0.31	0.76 J	0.0064 U	0.0057 UJ [0.00097 J]	**160**	0.016 UJ	0.0066 U	**20**	0.0085 U	0.0012 J	0.18
Isopropylbenzene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0054 U	0.13
Methyl Acetate	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0054 U	0.0061 U
Methyl tert-butyl ether	100	0.93	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0054 U	0.0061 U
Methylcyclohexane	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0054 U	0.0061 U
Methylene Chloride	100	0.05	0.024 UJ	0.090 UJ	0.76 U	0.028 UJ	0.023 UJ [0.022 U]	6.9 U	0.065 UJ	0.027 UJ	0.70 U	0.034 UJ	0.0054 U	0.0061 U
m-Xylene & p-Xylene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	- -	- -	0.0059 U	0.022 U	0.76 U	0.0064 U	0.0057 UJ [0.0056 U]	3.3 J	0.016 UJ	0.0066 U	0.70 U	0.0085 U	0.0054 U	0.0061 U
Tetrachloroethene	19	1.3	0.0059 U	0.022 U	0.76 U	0.0013 J	0.0057 UJ [0.0056 U]	6.9 U	0.016 UJ	0.0066 U	0.70 U	0.0085 U	0.0054 U	0.0061 U
Toluene	100	0.7	0.0036 J	0.073	0.063 J	0.0033 J	0.0057 UJ [0.0023 J]	**98**	0.0028 J	0.0048 J	0.59 J	0.0085 U	0.0029 J	0.022
Trichloroethene	21	0.47	0.0059 U	0.022 U	0.76 U	0.0064 U	0.0057 UJ [0.0056 U]	6.9 U	0.016 UJ	0.0066 U	0.70 U	0.0085 U	0.0054 UJ	0.0061 U
Xylenes (total)	100	1.6	0.0059 U	0.74	1.5	0.0064 U	0.0057 UJ [0.0056 U]	**450**	0.016 UJ	0.0066 U	**18**	0.0085 U	0.0059 J	0.32
Total BTEX	10[1]	- -	0.012 J	1.4	4.1 J	0.0033 J	0.0051 J [0.0092 J]	750	0.44 J	0.0048 J	58 J	0.0034 J	0.010 J	0.52
Total VOCs	- -	- -	0.014 J	1.4 J	4.2 J	0.0046 J	0.015 J [0.024 J]	760 J	0.45 J	0.0073 J	58 J	0.0054 J	0.010 J	0.61

See Notes on Page 24.

Table 9a. Summary of Soil Analytical Results for Detected VOCs (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-250 23 - 23.5 01/24/07	SB-250 25 - 25.5 01/24/07	SB-250 29.5 - 30 01/24/07	SB-251 3.5 - 4 01/25/07	SB-251 15 - 15.5 01/25/07	SB-251 15.5 - 16 01/25/07	SB-251 19.5 - 20 01/25/07	SB-252 2.5 - 3.5 01/25/07	SB-252 8 - 8.5 01/25/07	SB-252 11.5 - 12.5 01/25/07	SB-252 17 - 17.5 01/25/07	SB-252 19.5 - 20 01/25/07	SB-253 2 - 3 01/25/07	SB-253 6.5 - 7 01/25/07
Volatile Organics																
1,1,1-Trichloroethane	100	0.68	0.0057 U	0.013 U	0.018 U	0.0056 U	0.0059 U	0.0079 U	0.042 U	0.0058 U	0.27 U	0.0060 U	0.39 U	0.37 U	0.0055 U	4.0 U
1,1,2-Trichloroethane	- -	- -	0.0057 U	0.013 U	0.018 U	0.0056 U	0.0059 U	0.0079 U	0.042 U	0.0058 U	0.27 U	0.0060 U	0.39 U	0.37 U	0.0055 U	4.0 U
1,1-Dichloroethene	100	0.33	0.0057 U	0.013 U	0.018 U	0.0056 U	0.0059 U	0.0079 U	0.042 U	0.0058 U	0.27 U	0.0060 U	0.39 U	0.37 U	0.0055 U	4.0 U
1,2,4-Trichlorobenzene	- -	- -	0.0057 U	0.013 U	0.018 U	0.0056 U	0.0059 U	0.0079 U	0.042 U	0.0058 U	0.27 U	0.0060 U	0.39 U	0.37 U	0.0055 U	4.0 U
1,2-Dichloroethane	3.1	0.02	0.0057 U	0.013 U	0.018 U	0.0056 U	0.0059 U	0.0079 U	0.042 U	0.0058 UJ	0.27 U	0.0060 UJ	0.39 UJ	0.37 U	0.0055 U	4.0 U
1,2-Dichloropropane	- -	- -	0.0057 U	0.013 U	0.018 U	0.0056 U	0.0059 U	0.0079 U	0.042 U	0.0058 UJ	0.27 UJ	0.0060 UJ	0.39 UJ	0.37 UJ	0.0055 U	4.0 UJ
1,4-Dichlorobenzene	13	1.8	0.0057 U	0.013 U	0.018 U	0.0056 U	0.0059 U	0.0079 U	0.042 U	0.0058 U	0.27 U	0.0060 U	0.39 U	0.37 U	0.0055 U	4.0 U
2-Butanone	100	0.12	0.014 U	0.032 U	0.044 U	0.014 U	0.018 J	0.020 U	0.10 U	0.015 UJ	**0.17 J**	0.0033 J	**0.42 J**	**0.38 J**	0.014 U	**4.5 J**
2-Hexanone	- -	- -	0.014 U	0.032 U	0.044 U	0.014 U	0.015 U	0.020 U	0.10 U	0.015 UJ	0.68 U	0.015 UJ	0.98 UJ	0.93 U	0.014 U	10 U
4-Methyl-2-pentanone	- -	- -	0.014 U	0.032 U	0.044 U	0.014 U	0.015 U	0.020 U	0.10 U	0.015 UJ	0.68 U	0.015 UJ	0.98 UJ	0.93 U	0.014 U	10 U
Acetone	100	0.05	0.015	**0.13**	0.044 U	0.014 U	**0.21**	**0.061**	**0.16**	0.015 UJ	0.68 U	0.0079 J	0.98 UJ	0.93 U	0.014 U	10 U
Benzene	4.8	0.06	**4.6 D**	**0.25**	**0.31**	0.0056 U	0.0059 U	**0.42 D**	**0.24**	0.00065 J	**0.27 J**	0.016	**0.45**	**0.59**	0.0055 U	4.0 U
Carbon Disulfide	- -	- -	0.00077 J	0.013 U	0.018 U	0.0056 U	0.0014 J	0.00089 J	0.042 U	0.0058 UJ	0.27 U	0.0076 J	0.39 UJ	0.37 U	0.0055 U	4.0 U
Chlorobenzene	100	1.1	0.0057 U	0.013 U	0.018 U	0.0056 U	0.0059 U	0.0079 U	0.042 U	0.0058 U	0.27 U	0.0060 U	0.39 U	0.37 U	0.0055 U	4.0 U
Chloroform	49	0.37	0.0057 U	0.013 U	0.018 U	0.0056 U	0.0059 U	0.0079 U	0.042 U	0.0058 U	0.27 U	0.0060 U	0.39 U	0.37 U	0.0055 U	4.0 U
Chloromethane	- -	- -	0.0057 U	0.013 U	0.018 U	0.0056 U	0.0059 U	0.0079 U	0.042 UJ	0.0058 UJ	0.27 U	0.0060 UJ	0.39 UJ	0.37 U	0.0055 UJ	4.0 U
cis-1,2-Dichloroethene	100	0.25	0.0057 U	0.013 U	0.018 U	0.0056 U	0.0059 U	0.0079 U	0.042 U	0.0058 U	0.27 U	0.0060 U	0.39 U	0.37 U	0.0055 U	4.0 U
Cyclohexane	- -	- -	0.0057 U	0.013 U	0.018 U	0.0056 U	0.0059 U	0.0079 U	0.042 U	0.0058 U	0.27 U	0.0060 U	0.39 U	0.37 U	0.0055 U	4.0 U
Dichlorodifluoromethane	- -	- -	0.0057 UJ	0.013 UJ	0.018 UJ	0.0056 UJ	0.0059 UJ	0.0079 UJ	0.042 UJ	0.0058 UJ	0.27 U	0.0060 UJ	0.39 UJ	0.37 U	0.0055 UJ	4.0 U
Ethylbenzene	41	1	**18 D**	**1.9 D**	0.16	0.0056 U	0.0075	1.0 D	**1.5**	0.0058 U	**5.0**	0.017	**2.2**	**1.8**	0.0055 U	**1.3 J**
Isopropylbenzene	- -	- -	3.7 D	0.065	0.018 U	0.0056 U	0.0019 J	0.066	0.087	0.0058 U	1.2	0.20 D	0.35 J	0.15 J	0.0055 U	4.0 U
Methyl Acetate	- -	- -	0.0057 U	0.013 U	0.018 U	0.0056 U	0.0059 U	0.0079 U	0.042 U	0.0058 UJ	0.27 U	0.0060 UJ	0.39 UJ	0.37 U	0.0055 U	4.0 U
Methyl tert-butyl ether	100	0.93	0.0057 U	0.013 U	0.018 U	0.0056 U	0.0059 U	0.0079 U	0.042 U	0.0058 UJ	0.27 U	0.0060 UJ	0.39 UJ	0.37 U	0.0055 U	4.0 U
Methylcyclohexane	- -	- -	0.024	0.013 U	0.018 U	0.0056 U	0.0059 U	0.0079 U	0.042 U	0.0058 U	0.12 J	0.10	0.39 U	0.37 U	0.0055 U	4.0 U
Methylene Chloride	100	0.05	0.0057 U	0.0026 J	0.018 U	0.0056 U	0.0059 U	0.0079 U	0.042 UJ	0.0011 J	0.27 U	0.0033 J	0.39 UJ	0.37 U	0.0012 J	4.0 U
m-Xylene & p-Xylene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	- -	- -	0.0057 U	0.013 U	0.018 U	0.0056 U	0.0059 U	0.0079 U	0.042 U	0.0058 U	0.27 U	0.0060 U	0.39 U	0.37 U	0.0055 U	4.0 U
Tetrachloroethene	19	1.3	0.0057 U	0.013 U	0.018 U	0.0056 U	0.0059 U	0.0079 U	0.042 U	0.0016 J	0.27 U	0.0060 U	0.39 U	0.37 U	0.0055 U	4.0 U
Toluene	100	0.7	**14 D**	0.029	0.0091 J	0.00085 J	0.0020 J	0.021	0.020 J	0.00075 J	**2.7**	0.018	0.39 U	0.37 U	0.0055 U	4.0 U
Trichloroethene	21	0.47	0.0057 U	0.013 U	0.018 U	0.0056 U	0.0059 U	0.0079 U	0.042 U	0.0058 U	0.27 U	0.0060 U	0.39 U	0.37 U	0.0055 U	4.0 U
Xylenes (total)	100	1.6	**61 D**	**6.4 D**	0.71	0.0021 J	0.023	**2.6 D**	**3.7**	0.017 U	**25**	0.13	**6.1**	**5.2**	0.016 U	**5.9**
Total BTEX	10[1]	- -	98	8.6	1.2 J	0.0030 J	0.033 J	4.0	5.5 J	0.0014 J	33 J	0.18	8.8	7.6	ND	7.2 J
Total VOCs	- -	- -	98 J	8.7 J	1.2 J	0.0030 J	0.26 J	4.1 J	5.6 J	0.0041 J	33 J	0.20 J	9.2 J	8.0 J	0.0012 J	12 J

See Notes on Page 24.

Table 9a. Summary of Soil Analytical Results for Detected VOCs (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-253 14 - 14.5 01/25/07	SB-253 15.5 - 16 01/25/07	SB-253 19.5 - 20 01/25/07	SB-254 8 - 9 03/03/07	SB-254 19 - 20 03/03/07	SB-256 2.5 - 3.5 02/01/07	SB-256 9.5 - 10 02/01/07	SB-256 15.5 - 16.5 02/01/07	SB-256 19 - 20 02/01/07	SB-262 7 - 9 02/28/07	SB-262 13 - 15 02/28/07	SB-262 19 - 21 02/28/07	SB-262 21 - 23 02/28/07	SB-263 7 - 9 02/28/07
Volatile Organics																
1,1,1-Trichloroethane	100	0.68	0.29 U	0.0070 UJ	0.0063 U	0.0057 U	0.0075 U	0.0057 U	0.55 UJ	0.0076 U	0.43 UJ	0.0059 U	0.0058 U	0.40 U	0.0057 U	0.0062 U
1,1,2-Trichloroethane	- -	- -	0.29 U	0.0070 UJ	0.0063 U	0.0057 U	0.0075 U	0.0057 U	0.55 U	0.0076 U	0.43 UJ	0.0059 U	0.0058 U	0.40 U	0.0057 U	0.0062 U
1,1-Dichloroethene	100	0.33	0.29 U	0.0070 UJ	0.0063 U	0.0057 U	0.0075 U	0.0057 U	0.55 U	0.0076 U	0.43 UJ	0.0059 U	0.0058 U	0.40 U	0.0057 U	0.0062 U
1,2,4-Trichlorobenzene	- -	- -	0.29 U	0.0070 UJ	0.0063 U	0.0057 U	0.0075 U	0.0057 U	0.55 U	0.0076 U	0.43 UJ	0.0059 U	0.0058 U	0.40 U	0.0057 U	0.0062 U
1,2-Dichloroethane	3.1	0.02	0.29 U	0.0070 UJ	0.0063 UJ	0.0057 U	0.0075 U	0.0057 U	0.55 UJ	0.0076 U	0.43 UJ	0.0059 U	0.0058 U	0.40 U	0.0057 U	0.0062 U
1,2-Dichloropropane	- -	- -	0.29 U	0.0070 UJ	0.0063 UJ	0.0057 U	0.0075 U	0.0057 U	0.55 UJ	0.0076 U	0.43 UJ	0.0059 U	0.0058 U	0.40 U	0.0057 U	0.0062 U
1,4-Dichlorobenzene	13	1.8	0.29 U	0.0070 UJ	0.0063 U	0.0057 U	0.0075 U	0.0057 U	0.55 U	0.0076 U	0.43 UJ	0.0059 U	0.0058 U	0.40 U	0.0057 U	0.0062 U
2-Butanone	100	0.12	0.74 U	0.0070 J	0.0037 J	0.014 U	0.019 U	0.014 UJ	1.4 U	0.019 UJ	1.1 UJ	0.015 U	0.015 U	0.99 U	0.014 U	0.015 U
2-Hexanone	- -	- -	0.74 U	0.018 UJ	0.016 UJ	0.014 U	0.019 U	0.014 UJ	1.4 U	0.019 UJ	1.1 UJ	0.015 U	0.015 U	0.99 U	0.014 U	0.015 U
4-Methyl-2-pentanone	- -	- -	0.74 U	0.018 UJ	0.016 UJ	0.014 U	0.019 U	0.014 UJ	1.4 U	0.019 UJ	1.1 UJ	0.015 U	0.015 U	0.99 U	0.014 U	0.015 U
Acetone	100	0.05	0.74 U	0.016 J	0.016 UJ	0.014 U	0.019 U	0.014 U	1.4 UJ	**0.054**	1.1 UJ	0.015 U	0.015 U	0.99 U	0.046	**1.4 DJ**
Benzene	4.8	0.06	**0.26 J**	0.011 J	0.00075 J	0.0057 U	**0.16**	0.0057 U	**1.3**	**7.9 D**	**12 J**	0.0059 U	0.031	**0.095 J**	0.0070	0.027
Carbon Disulfide	- -	- -	0.29 U	0.0070 UJ	0.0013 J	0.0057 U	0.0075 U	0.0057 UJ	0.55 UJ	0.0076 UJ	0.43 UJ	0.0059 U	0.0058 U	0.40 U	0.0057 U	0.0062 U
Chlorobenzene	100	1.1	0.29 U	0.0070 UJ	0.0063 U	0.0057 U	0.0075 U	0.0057 U	0.55 U	0.0076 U	0.43 UJ	0.0059 U	0.0058 U	0.40 U	0.0057 U	0.0062 U
Chloroform	49	0.37	0.29 U	0.0070 UJ	0.0063 U	0.0057 U	0.0075 U	0.0057 U	0.55 U	0.0076 U	0.43 UJ	0.0059 U	0.0058 U	0.40 U	0.0057 U	0.0062 U
Chloromethane	- -	- -	0.29 U	0.0070 UJ	0.0063 UJ	0.0057 U	0.0075 U	0.0057 U	0.55 U	0.0076 U	0.43 UJ	0.0059 U	0.0058 U	0.40 U	0.0057 U	0.0062 U
cis-1,2-Dichloroethene	100	0.25	0.29 U	0.0070 UJ	0.0063 U	0.0057 U	0.0075 U	0.0057 U	0.55 U	0.0076 U	0.43 UJ	0.0059 U	0.0058 U	0.40 U	0.0057 U	0.0062 U
Cyclohexane	- -	- -	0.29 U	0.0070 UJ	0.0063 U	0.0057 U	0.0075 U	0.0057 U	0.55 U	0.0076 U	0.43 UJ	0.0059 U	0.0058 U	0.40 U	0.0057 U	0.0062 U
Dichlorodifluoromethane	- -	- -	0.29 UJ	0.0070 UJ	0.0063 UJ	0.0057 U	0.0075 U	0.0057 U	0.55 UJ	0.0076 U	0.43 UJ	0.0059 U	0.0058 U	0.40 U	0.0057 U	0.0062 U
Ethylbenzene	41	1	**22 D**	0.0095 J	0.0021 J	0.0057 U	0.17	0.0057 U	**20**	**5.3 D**	0.59 J	0.0059 U	0.0018 J	0.96	0.0083	0.026
Isopropylbenzene	- -	- -	1.9 D	0.0054 J	0.0063 U	0.0057 U	0.0075 U	0.0057 U	6.7	0.53 D	0.43 UJ	0.0059 U	0.0066	0.11 J	0.0039 J	0.0058 J
Methyl Acetate	- -	- -	0.29 U	0.0070 UJ	0.0063 UJ	0.0057 U	0.0075 U	0.0057 UJ	0.55 U	0.0076 UJ	0.27 J	0.0059 U	0.0058 U	0.40 U	0.0057 U	0.0062 U
Methyl tert-butyl ether	100	0.93	0.29 U	0.00093 J	0.0063 UJ	0.0057 U	0.048	0.0057 UJ	0.55 UJ	0.0076 UJ	0.43 UJ	0.0059 U	0.0058 U	0.40 U	0.0057 U	0.0062 U
Methylcyclohexane	- -	- -	0.30	0.0070 UJ	0.0063 U	0.0057 U	0.0075 U	0.0057 U	0.10 J	0.0076 U	0.43 UJ	0.0059 U	0.0058 U	0.40 U	0.0057 U	0.0062 U
Methylene Chloride	100	0.05	0.29 U	0.0024 J	0.0063 UJ	0.0057 U	0.0075 U	0.0057 U	0.55 U	0.0076 U	0.43 UJ	0.0059 U	0.0058 U	0.40 U	0.0057 U	0.0062 U
m-Xylene & p-Xylene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	- -	- -	0.29 U	0.0070 UJ	0.0063 U	0.0057 U	0.0075 U	0.0057 U	0.55 U	0.0076 U	0.43 UJ	0.0059 U	0.0058 U	0.40 U	0.0057 U	0.0062 U
Tetrachloroethene	19	1.3	0.29 U	0.0070 UJ	0.0063 U	0.0057 U	0.0075 U	0.0057 U	0.55 U	0.0076 U	0.43 UJ	0.0059 U	0.0058 U	0.40 U	0.0057 U	0.0062 U
Toluene	100	0.7	0.33	0.0018 J	0.0063 U	0.0014 J	0.0052 J	0.0057 U	**0.99**	**12 D**	0.37 J	0.00097 J	0.0014 J	0.24 J	0.0012 J	0.0035 J
Trichloroethene	21	0.47	0.29 U	0.0070 UJ	0.0063 U	0.0057 U	0.0075 U	0.0057 U	0.55 U	0.0076 U	0.43 UJ	0.0059 U	0.0058 U	0.40 U	0.0057 U	0.0062 U
Xylenes (total)	100	1.6	**29 D**	0.047 J	0.0027 J	0.017 U	0.14	0.017 U	**28 JD**	**20 D**	**2.4 J**	0.018 U	0.017 U	1.4	0.0022 J	0.060
Total BTEX	10[1]	- -	52 J	0.069 J	0.0056 J	0.0014 J	0.48 J	ND	50 J	45	15 J	0.00097 J	0.034 J	2.7 J	0.019 J	0.12 J
Total VOCs	- -	- -	52 J	0.095 J	0.011 J	0.0014 J	0.48 J	ND	50 J	45	15 J	0.00097 J	0.034 J	2.7 J	0.065 J	1.5 J

See Notes on Page 24.

Table 9a. Summary of Soil Analytical Results for Detected VOCs (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-263 9 - 11 02/28/07	SB-263 11 - 13 02/28/07	SB-263 15 - 17 02/28/07	SB-263 17 - 19 02/28/07	SB-265 4 - 5 02/02/07	SB-265 9 - 10 02/02/07	SB-265 10.5 - 11.5 02/02/07	SB-265 19 - 20 02/02/07	SB-266 2 - 5 02/01/07	SB-266 10 - 12 02/01/07	SB-266 17.5 - 18.5 02/01/07	SB-266 24 - 25 02/01/07	SB-267 2 - 5 01/31/07
Volatile Organics															
1,1,1-Trichloroethane	100	0.68	0.0062 U	4.1 UJ	0.40 U	0.38 U	0.0057 U	5.0 UJ [5.8 UJ]	0.0065 U	0.40 UJ	0.0060 U	0.0067 U	0.0065 U	0.0083 U	0.0056 U
1,1,2-Trichloroethane	- -	- -	0.0062 U	4.1 U	0.40 U	0.38 U	0.0057 U	5.0 U [5.8 U]	0.0065 U	0.40 U	0.0060 U	0.0067 U	0.0065 U	0.0083 U	0.0056 U
1,1-Dichloroethene	100	0.33	0.0062 U	4.1 U	0.40 U	0.38 U	0.0057 U	5.0 U [5.8 U]	0.0065 U	0.40 U	0.0060 U	0.0067 U	0.0065 U	0.0083 UJ	0.0056 U
1,2,4-Trichlorobenzene	- -	- -	0.0062 U	4.1 U	0.40 U	0.38 U	0.0057 U	5.0 U [5.8 U]	0.0065 U	0.40 U	0.0060 U	0.0067 U	0.0065 U	0.0083 U	0.0056 U
1,2-Dichloroethane	3.1	0.02	0.0062 U	4.1 UJ	0.40 U	0.38 U	0.0057 U	5.0 UJ [5.8 UJ]	0.0065 U	0.40 U	0.0060 U	0.0067 U	0.0065 U	0.0083 U	0.0056 U
1,2-Dichloropropane	- -	- -	0.0062 U	4.1 U	0.40 U	0.38 U	0.0057 U	5.0 UJ [5.8 UJ]	0.0065 U	0.40 U	0.0060 U	0.0067 U	0.0065 U	0.0083 UJ	0.0056 U
1,4-Dichlorobenzene	13	1.8	0.0062 U	4.1 U	0.40 U	0.38 U	0.0057 U	5.0 U [5.8 U]	0.0065 U	0.40 U	0.0060 U	0.0067 U	0.0065 U	0.0083 U	0.0056 U
2-Butanone	100	0.12	0.015 U	10 U	1.0 U	0.95 U	0.014 U	12 U [15 U]	0.016 U	1.0 U	0.015 U	0.017 U	0.016 U	0.016 J	0.014 UJ
2-Hexanone	- -	- -	0.015 U	10 U	1.0 U	0.95 U	0.014 U	12 U [15 U]	0.016 U	1.0 U	0.015 U	0.017 U	0.016 U	0.021 U	0.014 UJ
4-Methyl-2-pentanone	- -	- -	0.015 U	10 U	1.0 U	0.95 U	0.014 U	12 U [15 U]	0.016 U	1.0 U	0.015 U	0.017 U	0.016 U	0.021 U	0.014 UJ
Acetone	100	0.05	0.041	10 UJ	1.0 U	0.95 U	0.020	12 UJ [15 UJ]	0.016 U	1.0 UJ	0.048 J	0.032 J	0.039 J	**0.074**	0.014 U
Benzene	4.8	0.06	0.026	4.1 U	**3.6**	**1.8**	**0.20**	**27 [24]**	**20 D**	**6.3**	0.0058 J	0.0058 J	**0.12 D**	0.019	0.0056 U
Carbon Disulfide	- -	- -	0.0017 J	4.1 UJ	0.40 U	0.38 U	0.012	5.0 UJ [5.8 UJ]	0.00076 J	0.40 U	0.0060 U	0.0067 U	0.0065 U	0.0083 U	0.0056 UJ
Chlorobenzene	100	1.1	0.0062 U	4.1 U	0.40 U	0.38 U	0.0057 U	5.0 U [5.8 U]	0.0065 U	0.40 U	0.0060 U	0.0067 U	0.0065 U	0.0083 UJ	0.0056 U
Chloroform	49	0.37	0.0062 U	4.1 U	0.40 U	0.38 U	0.0057 U	5.0 U [5.8 U]	0.0065 U	0.40 U	0.0060 U	0.0067 U	0.0065 U	0.0083 U	0.0056 U
Chloromethane	- -	- -	0.0062 U	4.1 U	0.40 U	0.38 U	0.0057 U	5.0 U [5.8 U]	0.0065 U	0.40 U	0.0060 U	0.0067 U	0.0065 U	0.0083 U	0.0056 U
cis-1,2-Dichloroethene	100	0.25	0.0062 U	4.1 U	0.40 U	0.38 U	0.0057 U	5.0 U [5.8 U]	0.0065 U	0.40 U	0.0060 U	0.0067 U	0.0065 U	0.0083 U	0.0056 U
Cyclohexane	- -	- -	0.0062 U	4.1 UJ	0.40 U	0.38 U	0.0057 U	5.0 U [5.8 U]	0.022	0.40 U	0.0060 U	0.0067 U	0.0065 U	0.0083 U	0.0056 U
Dichlorodifluoromethane	- -	- -	0.0062 U	4.1 U	0.40 U	0.38 U	0.0057 U	5.0 UJ [5.8 UJ]	0.0065 U	0.40 UJ	0.0060 UJ	0.0067 UJ	0.0065 UJ	0.0083 U	0.0056 U
Ethylbenzene	41	1	0.0087	**120**	**13**	**7.5**	**5.6 D**	**14 [13]**	**16 D**	0.40 U	0.0014 J	0.0026 J	0.34 D	0.0032 J	0.0056 U
Isopropylbenzene	- -	- -	0.0035 J	13	0.59	0.63	0.074	5.0 U [5.8 U]	0.081	0.40 U	0.0060 U	0.012	0.11	0.0083 U	0.0056 U
Methyl Acetate	- -	- -	0.0062 U	4.1 U	0.40 U	0.38 U	0.0057 U	5.0 U [5.8 U]	0.0065 U	0.40 U	0.0060 U	0.0067 U	0.0065 U	0.0083 U	0.0056 UJ
Methyl tert-butyl ether	100	0.93	0.0062 U	4.1 U	0.40 U	0.38 U	0.0057 U	5.0 UJ [5.8 UJ]	0.0065 U	0.40 UJ	0.0060 U	0.0067 U	0.0065 U	0.0083 U	0.0056 UJ
Methylcyclohexane	- -	- -	0.0062 U	4.1 U	0.40 U	0.38 U	0.0074	5.0 U [5.8 U]	0.053	0.40 U	0.0060 U	0.0067 U	0.0051 J	0.0083 U	0.0056 U
Methylene Chloride	100	0.05	0.0062 U	4.1 U	0.40 U	0.38 U	0.0057 U	5.0 U [5.8 U]	0.0065 U	0.40 U	0.0060 U	0.0067 U	0.0065 U	0.0083 U	0.0056 U
m-Xylene & p-Xylene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	- -	- -	0.0062 U	4.1 U	0.40 U	0.38 U	0.0057 U	30 [27]	38 D	0.40 U	0.0060 U	0.0067 U	0.019	0.0083 U	0.0056 U
Tetrachloroethene	19	1.3	0.0062 U	4.1 U	0.40 U	0.38 U	0.0057 U	5.0 U [5.8 U]	0.0065 U	0.40 U	0.0060 U	0.0067 U	0.0065 U	0.0083 U	0.0056 U
Toluene	100	0.7	0.0021 J	**8.4 J**	0.28 J	0.16 J	**7.6 D**	**130 [120]**	**130 D**	0.40 U	0.0059 J	0.0063 J	0.14 D	0.017 J	0.0056 U
Trichloroethene	21	0.47	0.0062 U	4.1 U	0.40 U	0.38 U	0.0057 U	5.0 U [5.8 U]	0.0065 U	0.40 U	0.0060 U	0.0067 U	0.0065 U	0.0083 UJ	0.0056 U
Xylenes (total)	100	1.6	0.012 J	**310**	**26**	**17**	**83 D**	**170 [150]**	**180 D**	0.60	0.0060 J	0.013 J	0.81 D	0.011 J	0.017 U
Total BTEX	10[1]	- -	0.049 J	440 J	43 J	27 J	96	340 [310]	350	6.9	0.019 J	0.028 J	1.4	0.050 J	ND
Total VOCs	- -	- -	0.092 J	440 J	43 J	27 J	96	370 [330]	380 J	6.9	0.067 J	0.060 J	1.5 J	0.14 J	ND

See Notes on Page 24.

Table 9a. Summary of Soil Analytical Results for Detected VOCs (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: / Sample Depth(Feet): / Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-267 8.5 - 9.5 01/31/07	SB-267 25 - 26 01/31/07	SB-267 39 - 40 01/31/07	SB-268 1 - 3 02/02/07	SB-268 10 - 11 02/02/07	SB-268 29 - 30 02/02/07	SB-268 44 - 45 02/02/07	SB-269 5 - 6 02/01/07	SB-269 9.5 - 10 02/01/07	SB-269 29.5 - 30 02/01/07	SB-269 33 - 33.7 02/01/07	SB-270 8 - 9 03/04/07	SB-270 21 - 22 03/04/07
Volatile Organics															
1,1,1-Trichloroethane	100	0.68	0.0063 U	0.33 U	0.0077 U	0.0057 U	0.0060 U	0.0054 U	0.0074 UJ	0.0057 U	0.0062 U	0.30 U [0.0065 U]	0.0074 U	0.0061 U	0.0056 U
1,1,2-Trichloroethane	- -	- -	0.0063 U	0.33 U	0.0077 U	0.0057 U	0.0060 U	0.0054 U	0.0074 UJ	0.0057 U	0.0062 U	0.30 U [0.0065 U]	0.0074 U	0.0061 U	0.0056 U
1,1-Dichloroethene	100	0.33	0.0063 U	0.33 U	0.0077 U	0.0057 U	0.0060 U	0.0054 U	0.0074 UJ	0.0057 U	0.0062 U	0.30 U [0.0065 U]	0.0074 U	0.0061 U	0.0056 U
1,2,4-Trichlorobenzene	- -	- -	0.0063 U	0.33 U	0.0077 U	0.0057 U	0.0060 U	0.0054 U	0.0074 UJ	0.0057 U	0.0062 U	0.30 U [0.0065 U]	0.0074 U	0.0061 U	0.0056 U
1,2-Dichloroethane	3.1	0.02	0.0063 U	0.33 U	0.0077 U	0.0057 U	0.0060 U	0.0054 U	0.0074 UJ	0.0057 U	0.0062 U	0.30 U [0.0065 U]	0.0074 U	0.0061 U	0.0056 U
1,2-Dichloropropane	- -	- -	0.0063 U	0.33 U	0.0077 U	0.0057 U	0.0060 U	0.0054 U	0.0074 UJ	0.0057 UJ	0.0062 U	0.30 U [0.0065 U]	0.0074 U	0.0061 U	0.0056 U
1,4-Dichlorobenzene	13	1.8	0.0063 U	0.33 U	0.0077 U	0.0057 U	0.0060 U	0.0054 U	0.0074 UJ	0.0057 U	0.0062 U	0.30 U [0.0065 U]	0.0074 U	0.0061 U	0.0056 U
2-Butanone	100	0.12	0.016 UJ	0.82 U	0.019 U	0.014 U	0.015 U	0.026	0.013 J	0.014 U	0.015 U	0.75 U [0.016 U]	0.018 U	0.015 U	0.014 U
2-Hexanone	- -	- -	0.016 UJ	0.82 U	0.019 U	0.014 U	0.015 U	0.014	0.018 UJ	0.014 U	0.015 U	0.75 U [0.016 U]	0.018 U	0.015 U	0.014 U
4-Methyl-2-pentanone	- -	- -	0.016 UJ	0.82 U	0.019 U	0.014 U	0.015 U	0.014 U	0.018 UJ	0.014 U	0.015 U	0.75 U [0.016 U]	0.018 U	0.015 U	0.014 U
Acetone	100	0.05	0.016 U	0.82 U	0.049 J	0.014 U	0.012 J	**0.092**	**0.074 J**	0.014 U	**0.054 J**	0.75 U [0.016 U]	**0.068 J**	0.015 U	0.012 J
Benzene	4.8	0.06	0.0063 U	**160 D**	**4.0 D**	0.0046 J	**0.066**	**160 D**	**0.069 D**	0.0019 J	**0.43 D**	**130 DJ [0.24 JD]**	**2,600 D**	0.0061 U	**0.15**
Carbon Disulfide	- -	- -	0.0063 UJ	0.33 U	0.0077 U	0.0057 U	0.0060 U	0.0054 U	0.0048 J	0.0057 U	0.0062 U	0.30 U [0.0065 U]	0.0076 U	0.0061 U	0.0016 J
Chlorobenzene	100	1.1	0.0063 U	0.33 U	0.0077 U	0.0057 U	0.0060 U	0.014	0.0074 UJ	0.0057 U	0.0062 U	**1.8 [0.0065 U]**	0.0074 U	0.0061 U	0.0056 U
Chloroform	49	0.37	0.0063 U	0.33 U	0.0077 U	0.0057 U	0.0060 U	0.0054 U	0.0074 UJ	0.0057 U	0.0062 U	0.30 U [0.0065 U]	0.0074 U	0.0061 U	0.0056 U
Chloromethane	- -	- -	0.0063 U	0.33 U	0.0077 U	0.0057 U	0.0060 U	0.0054 U	0.0074 UJ	0.0057 U	0.0062 U	0.30 U [0.0065 U]	0.0074 U	0.0061 U	0.0056 U
cis-1,2-Dichloroethene	100	0.25	0.0063 U	0.33 U	0.0077 U	0.0057 U	0.0060 U	0.0054 U	0.0074 UJ	0.0057 U	0.0062 U	0.30 U [0.0065 U]	0.0074 U	0.0061 U	0.0056 U
Cyclohexane	- -	- -	0.0063 U	0.50	0.0036 J	0.0057 U	0.0060 U	0.030	0.0074 UJ	0.0057 U	0.0062 U	0.15 J [0.0065 U]	0.0074 U	0.0061 U	0.0056 U
Dichlorodifluoromethane	- -	- -	0.0063 U	0.33 UJ	0.0077 UJ	0.0057 U	0.0060 U	0.0054 U	0.00089 J	0.0057 U	0.0062 UJ	0.30 U [0.0065 U]	0.0074 UJ	0.0061 U	0.0056 U
Ethylbenzene	41	1	0.0063 U	**110 D**	**3.4 D**	0.0057 U	0.028	**120 D**	0.055 D	0.0057 U	0.031 D	**140 DJ [0.39 JD]**	**1,300 D**	0.0061 U	0.21
Isopropylbenzene	- -	- -	0.0063 U	5.8	0.031	0.0057 U	0.017	3.9 JD	0.0074 UJ	0.0057 U	0.0028 J	2.3 [0.10 J]	0.0029 J	0.0061 U	0.044 J
Methyl Acetate	- -	- -	0.0063 UJ	0.33 U	0.0077 U	0.0057 U	0.0060 U	0.0054 U	0.0074 UJ	0.0057 U	0.0062 U	0.30 U [0.0065 U]	0.0074 U	0.0061 U	0.0056 U
Methyl tert-butyl ether	100	0.93	0.0063 UJ	0.33 U	0.0077 U	0.0057 U	0.0060 U	0.0054 U	0.0074 UJ	0.0057 U	0.0062 U	0.30 U [0.0065 U]	0.0074 U	0.0061 U	0.0056 U
Methylcyclohexane	- -	- -	0.0063 U	1.2	0.0047 J	0.0057 U	0.0060 U	0.055	0.0074 UJ	0.0057 U	0.0030 J	0.41 [0.0031 J]	0.0074 U	0.0061 U	0.0056 U
Methylene Chloride	100	0.05	0.0063 U	0.33 U	0.0077 U	0.0057 U	0.0060 U	0.0054 U	0.0020 J	0.0057 U	0.0062 U	0.30 U [0.0065 U]	0.0074 U	0.0061 U	0.0056 U
m-Xylene & p-Xylene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	- -	- -	0.0063 U	49 D	3.0 D	0.0010 J	0.0018 J	83 D	0.0074 UJ	0.0057 U	0.0062 U	31 DJ [0.035 J]	0.0074 U	0.0061 U	0.0056 U
Tetrachloroethene	19	1.3	0.0063 U	0.33 U	0.0077 U	0.0057 U	0.0060 U	0.0054 U	0.0074 UJ	0.0057 U	0.0062 U	0.30 U [0.0065 U]	0.0074 U	0.0061 U	0.0056 U
Toluene	100	0.7	0.0063 U	**340 D**	**11 D**	0.0043 J	0.0041 J	**450 D**	0.19 D	0.0024 J	0.064 D	**330 DJ [0.61 JD]**	**3,000 D**	0.0061 UJ	0.0021 J
Trichloroethene	21	0.47	0.0063 U	0.33 U	0.0077 U	0.0057 U	0.0060 U	0.0054 U	0.0074 UJ	0.0057 U	0.0062 U	0.30 U [0.0065 U]	0.0074 U	0.0061 U	0.0056 U
Xylenes (total)	100	1.6	0.019 U	**470 D**	**21 D**	0.0054 J	0.040	**610 D**	0.33 D	0.0020 J	0.11 D	**550 DJ [1.3 JD]**	**5,700 D**	0.0049 J	0.067
Total BTEX	10[1]	- -	ND	1,100	39	0.014 J	0.14 J	1,300	0.64	0.0063 J	0.64	1,200 J [2.5 J]	13,000	0.0049 J	0.43 J
Total VOCs	- -	- -	ND	1,100	42 J	0.015 J	0.15 J	1,400	0.74 J	0.0063 J	0.69 J	1,200 J [2.6 J]	13,000 J	0.0049 J	0.44 J

See Notes on Page 24.

Table 9a. Summary of Soil Analytical Results for Detected VOCs (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-270 23 - 24 03/04/07	SB-270 24 - 25 03/04/07	SB-271 3 - 5 02/02/07	SB-271 10 - 11 02/02/07	SB-271 15 - 16 02/02/07	SB-271 19 - 20 02/02/07	SB-272 7 - 8 03/05/07	SB-272 16 - 17 03/05/07	SB-272 24 - 25 03/05/07	SB-273 9 - 10 03/03/07	SB-273 24 - 25 03/03/07	SB-273 29 - 30 03/03/07	SB-274 7 - 8 03/05/07	SB-274 23 - 24 03/05/07
Volatile Organics																
1,1,1-Trichloroethane	100	0.68	0.0058 U	0.0061 U	0.0059 U	0.0061 U	0.0061 U	0.015 UJ	0.32 U	0.62 U	0.0083 U	0.55 U	0.0062 UJ	0.0061 U	0.0063 U	4.5 U
1,1,2-Trichloroethane	- -	- -	0.0058 U	0.0061 U	0.0059 U	0.0061 U	0.0061 U	0.015 UJ	0.32 U	0.62 U	0.0083 U	0.55 U	0.0062 UJ	0.0061 U	0.0063 U	4.5 U
1,1-Dichloroethene	100	0.33	0.0058 U	0.0061 U	0.0059 U	0.0061 U	0.0061 U	0.015 UJ	0.32 U	**5.7**	0.0083 U	0.55 U	0.0062 UJ	0.0061 U	0.0063 U	4.5 U
1,2,4-Trichlorobenzene	- -	- -	0.0058 U	0.0061 U	0.0059 U	0.0061 U	0.0061 U	0.015 UJ	0.32 U	0.62 U	0.0083 U	0.55 U	0.0062 UJ	0.0061 U	0.0063 U	4.5 U
1,2-Dichloroethane	3.1	0.02	0.0058 U	0.0061 U	0.0059 U	0.0061 U	0.0061 U	0.015 UJ	0.32 U	0.62 UJ	0.0083 U	0.55 U	0.0062 UJ	0.0061 U	0.0063 U	4.5 U
1,2-Dichloropropane	- -	- -	0.0058 U	0.0061 U	0.0059 U	0.0061 U	0.0061 U	0.015 UJ	0.32 U	0.62 U	0.0083 U	0.55 U	0.0062 UJ	0.0061 U	0.0063 U	4.5 U
1,4-Dichlorobenzene	13	1.8	0.0058 U	0.0061 U	0.0059 U	0.0061 U	0.0061 U	0.015 UJ	0.32 U	0.62 U	0.0083 U	0.55 U	0.0062 UJ	0.0061 U	0.0063 U	4.5 U
2-Butanone	100	0.12	0.015 U	0.015 U	0.015 UJ	0.015 UJ	0.015 U	0.085 J	0.81 U	1.5 U	0.021 U	1.4 U	0.015 UJ	0.015 U	0.016 U	11 U
2-Hexanone	- -	- -	0.015 U	0.015 U	0.015 UJ	0.015 UJ	0.015 U	0.038 UJ	0.81 U	1.5 U	0.021 U	3.5	0.015 UJ	0.015 U	0.016 U	11 U
4-Methyl-2-pentanone	- -	- -	0.015 U	0.015 U	0.015 UJ	0.015 U	0.015 U	0.038 UJ	0.81 U	1.5 U	0.021 U	1.4 U	0.015 UJ	0.015 U	0.016 U	11 U
Acetone	100	0.05	0.015 U	0.036	0.015 U	0.015 U	0.012 J	**0.43 J**	0.81 U	1.5 U	0.036	1.4 U	0.015 UJ	0.015 U	0.016 U	11 U
Benzene	4.8	0.06	**0.22**	**0.16**	0.0023 J	0.0014 J	0.018	**0.36 J**	**0.15 J**	**8.3**	0.0030 J	**0.19 J**	0.0026 J	0.0061 U	0.0046 J	**430 D**
Carbon Disulfide	- -	- -	0.0058 U	0.0061 U	0.0059 UJ	0.0061 UJ	0.0061 U	0.0086 J	0.32 U	0.62 U	0.0083 U	0.55 U	0.0062 UJ	0.0061 U	0.0063 U	4.5 U
Chlorobenzene	100	1.1	0.0058 U	0.0061 U	0.0059 U	0.0061 U	0.0061 U	0.015 UJ	0.32 U	**7.1**	0.0083 U	0.55 U	0.0062 UJ	0.0061 U	0.0063 U	4.5 U
Chloroform	49	0.37	0.0058 U	0.0061 U	0.0059 U	0.0061 U	0.0061 U	0.015 UJ	0.32 U	0.62 U	0.0083 U	0.55 U	0.0062 UJ	0.0061 U	0.0063 U	4.5 U
Chloromethane	- -	- -	0.0058 U	0.0061 U	0.0059 U	0.0061 U	0.0061 U	0.015 UJ	0.32 U	0.62 U	0.0083 U	0.55 U	0.0062 UJ	0.0061 U	0.0063 U	4.5 U
cis-1,2-Dichloroethene	100	0.25	0.0058 U	0.0061 U	0.0059 U	0.0061 U	0.0061 U	0.015 UJ	0.32 U	0.62 U	0.0083 U	0.55 U	0.0062 UJ	0.0061 U	0.0063 U	**1.3 J**
Cyclohexane	- -	- -	0.0058 U	0.0061 U	0.0059 U	0.0061 U	0.0061 U	0.015 UJ	0.32 U	0.62 U	0.0083 U	14	0.0062 UJ	0.0061 U	0.0063 U	4.5 U
Dichlorodifluoromethane	- -	- -	0.0058 U	0.0061 U	0.0059 U	0.0061 U	0.0061 U	0.015 UJ	0.32 U	0.62 U	0.0083 U	0.55 U	0.0062 UJ	0.0061 U	0.0063 U	4.5 U
Ethylbenzene	41	1	0.10	0.13	0.00099 J	0.0061 U	0.0010 J	0.059 J	0.62	**16**	0.032	0.55 U	0.0062 UJ	0.0061 U	0.0038 J	**340 D**
Isopropylbenzene	- -	- -	0.0088	0.015 J	0.0059 U	0.0061 U	0.0015 J	0.0038 J	0.21 J	1.1	0.0064 J	3.5	0.0020 J	0.0061 U	0.0063 U	42 D
Methyl Acetate	- -	- -	0.0058 U	0.0061 U	0.0059 UJ	0.0061 UJ	0.0061 U	0.015 UJ	0.32 U	0.62 U	0.0083 U	0.55 U	0.0062 UJ	0.0061 U	0.0063 U	4.5 U
Methyl tert-butyl ether	100	0.93	0.0058 U	0.0061 U	0.0059 UJ	0.0061 UJ	0.0061 U	0.0014 J	0.32 U	0.62 U	0.0083 U	0.55 U	0.0062 UJ	0.0061 U	0.0063 U	4.5 U
Methylcyclohexane	- -	- -	0.0058 U	0.0061 U	0.0059 U	0.0061 U	0.0027 J	0.015 UJ	0.32 U	0.62 U	0.0083 U	15	0.0062 UJ	0.0061 U	0.0063 U	1.9 J
Methylene Chloride	100	0.05	0.0058 U	0.0037 J	0.0059 U	0.0061 U	0.0061 U	0.015 UJ	0.32 U	0.62 U	0.0034 J	0.55 U	0.0062 UJ	0.0032 J	0.0038 J	4.5 U
m-Xylene & p-Xylene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	- -	- -	0.0058 U	0.0061 U	0.0059 U	0.0061 U	0.0061 U	0.015 UJ	0.32 U	0.62 U	0.0021 J	0.55 U	0.0062 UJ	0.0061 U	0.0063 U	200 D
Tetrachloroethene	19	1.3	0.0058 U	0.0061 U	0.0059 U	0.0061 U	0.0061 U	0.015 UJ	0.32 U	0.62 U	0.0083 U	0.55 U	0.0062 UJ	0.0061 U	0.0063 U	4.5 U
Toluene	100	0.7	0.0029 J	0.0020 J	0.0042 J	0.0061 UJ	0.0044 J	0.015 UJ	0.32 U	**12 J**	0.0026 J	0.49 J	0.0062 UJ	0.0026 J	0.0061 J	**910 D**
Trichloroethene	21	0.47	0.0058 U	0.0061 U	0.0059 U	0.0061 U	0.0061 U	0.015 UJ	0.32 U	**6.3**	0.0083 U	0.55 U	0.0062 UJ	0.0061 U	0.0063 U	4.5 U
Xylenes (total)	100	1.6	0.014 J	0.059	0.0027 J	0.018 U	0.0072 J	0.048 J	**1.7**	**19**	0.10	0.55 U	0.019 UJ	0.018 U	0.0089 J	NA
Total BTEX	10[1]	- -	0.34 J	0.35 J	0.010 J	0.0014 J	0.031 J	0.47 J	2.5 J	55 J	0.14 J	0.68 J	0.0026 J	0.0026 J	0.023 J	1,700
Total VOCs	- -	- -	0.34 J	0.39 J	0.010 J	0.0014 J	0.043 J	0.99 J	2.5 J	74 J	0.18 J	4.2 J	0.0026 J	0.0058 J	0.027 J	1,900 J

See Notes on Page 24.

Table 9a. Summary of Soil Analytical Results for Detected VOCs (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-274 29 - 30 03/05/07	SB-275 7 - 8 03/04/07	SB-275 22 - 23 03/04/07	SB-275 29 - 30 03/04/07	SB-277 7 - 9 02/26/07	SB-277 11 - 13 02/26/07	SB-277 13 - 15 02/26/07	SB-277 17 - 19 02/26/07	SB-278 5 - 7 02/26/07	SB-278 15 - 17 02/26/07	SB-278 17 - 19 02/26/07	SB-278 19 - 21 02/26/07	SB-279 14 - 16 03/01/07
Volatile Organics															
1,1,1-Trichloroethane	100	0.68	0.0074 U	0.030 U	0.0075 U	0.0079 U	0.0056 U	0.0061 U	0.0056 U	0.0078 U	0.0057 U	0.0057 U	0.0057 U	0.040 U	0.0067 U
1,1,2-Trichloroethane	- -	- -	0.0074 U	0.99	0.0075 U	0.0079 U	0.0056 U	0.0061 U	0.0056 U	0.0078 U	0.0057 U	0.0057 U	0.0057 U	0.040 U	0.0067 U
1,1-Dichloroethene	100	0.33	0.0074 U	0.030 U	0.0075 U	0.0079 U	0.0056 U	0.0061 U	0.0056 U	0.0078 U	0.0057 U	0.0057 U	0.0057 U	0.040 U	0.0067 U
1,2,4-Trichlorobenzene	- -	- -	0.0074 U	0.030 U	0.0075 U	0.0079 U	0.0056 U	0.0061 U	0.0056 U	0.0078 U	0.0059	0.0057 U	0.0057 U	0.040 U	0.0067 U
1,2-Dichloroethane	3.1	0.02	0.0074 U	0.030 U	0.0075 UJ	0.0079 U	0.0056 UJ	0.0061 U	0.0056 U	0.0078 U	0.0057 U	0.0057 U	0.0057 U	0.040 U	0.0067 U
1,2-Dichloropropane	- -	- -	0.0074 U	0.030 U	0.0075 U	0.0079 U	0.0056 U	0.0061 U	0.0056 U	0.0078 U	0.0057 U	0.0057 U	0.0057 U	0.040 U	0.0067 U
1,4-Dichlorobenzene	13	1.8	0.0074 U	0.030 U	0.0075 U	0.0079 U	0.0056 U	0.0061 U	0.0056 U	0.0078 U	0.0057 U	0.0057 U	0.0057 U	0.040 U	0.0067 U
2-Butanone	100	0.12	0.018 U	0.074 U	0.019 U	0.020 U	0.014 U	0.015 U	0.014 U	0.020 U	0.014 U	0.014 U	0.014 U	0.099 U	0.017 U
2-Hexanone	- -	- -	0.018 U	0.48	0.019 U	0.020 U	0.014 U	0.015 U	0.014 U	0.020 U	0.014 U	0.014 U	0.014 U	0.099 U	0.017 U
4-Methyl-2-pentanone	- -	- -	0.018 U	0.074 U	0.019 U	0.020 U	0.014 U	0.015 U	0.014 U	0.020 U	0.014 U	0.014 U	0.014 U	0.099 U	0.017 U
Acetone	100	0.05	0.021	0.074 U	0.019 U	**0.058 J**	0.014 U	0.015 U	0.014 U	0.045	0.014 U	**0.053**	0.014 J	0.099 U	0.026
Benzene	4.8	0.06	0.033	0.0040 J	**54 D**	**0.15**	0.0044 J	0.0033 J	0.0056 U	0.012	0.0057 U	0.0015 J	0.056	**0.54**	0.037
Carbon Disulfide	- -	- -	0.0074 U	0.030 U	0.0039 J	0.0079 U	0.0056 U	0.0061 U	0.0056 U	0.0014 J	0.0057 U	0.0057 U	0.0057 U	0.040 U	0.0022 J
Chlorobenzene	100	1.1	0.0074 U	0.030 U	0.0061 J	0.0079 U	0.0056 U	0.0061 U	0.0056 U	0.0078 U	0.0057 U	0.0057 U	0.0057 U	0.040 U	0.0067 U
Chloroform	49	0.37	0.0074 U	0.030 U	0.0075 U	0.0079 U	0.0056 U	0.0061 U	0.0056 U	0.0078 U	0.0057 U	0.0057 U	0.0057 U	0.040 U	0.0067 U
Chloromethane	- -	- -	0.0074 U	0.030 U	0.0075 U	0.0079 U	0.0056 U	0.0061 U	0.0056 U	0.0078 U	0.0057 U	0.0057 U	0.0057 U	0.040 U	0.0067 U
cis-1,2-Dichloroethene	100	0.25	0.0074 U	0.030 U	0.0075 U	0.0079 U	0.0056 U	0.0061 U	0.0056 U	0.0078 U	0.0057 U	0.0057 U	0.0057 U	0.040 U	0.0067 U
Cyclohexane	- -	- -	0.0074 U	0.030 U	0.054	0.0079 U	0.0056 U	0.0061 U	0.0056 U	0.0078 U	0.0057 U	0.0057 U	0.0057 U	0.040 U	0.0067 U
Dichlorodifluoromethane	- -	- -	0.0074 U	0.030 U	0.0075 UJ	0.0079 U	0.0056 UJ	0.0061 U	0.0056 U	0.0078 U	0.0057 U	0.0057 U	0.0057 U	0.040 U	0.0067 U
Ethylbenzene	41	1	0.0074 U	0.030 U	**220 D**	0.27	0.0011 J	0.0061 U	0.0056 U	0.13	0.0010 J	0.0057 U	0.029	0.040 U	0.0066 J
Isopropylbenzene	- -	- -	0.0074 U	0.25	26 D	0.013	0.0056 U	0.0061 U	0.0056 U	0.014	0.0024 J	0.0057 U	0.0014 J	0.040 U	0.0025 J
Methyl Acetate	- -	- -	0.0074 U	0.030 U	0.0075 U	0.0079 U	0.0056 U	0.0061 U	0.0056 U	0.0078 U	0.0057 U	0.0057 U	0.0057 U	0.040 U	0.0067 U
Methyl tert-butyl ether	100	0.93	0.0074 U	0.030 U	0.0075 U	0.0079 U	0.0056 U	0.0061 U	0.0056 U	0.0078 U	0.0057 U	0.0057 U	0.0057 U	0.040 U	0.0067 U
Methylcyclohexane	- -	- -	0.0074 U	0.58	0.081 J	0.0079 U	0.0056 U	0.0061 U	0.0056 U	0.0078 U	0.0057 U	0.0057 U	0.0057 U	0.040 U	0.0067 U
Methylene Chloride	100	0.05	0.0074 U	0.030 U	0.0075 U	0.0079 U	0.0056 U	0.0020 J	0.0056 U	0.0024 J	0.0057 U	0.0025 J	0.0057 U	0.040 U	0.0018 J
m-Xylene & p-Xylene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	- -	- -	0.0074 U	0.030 U	0.0075 U	0.0079 U	0.0056 U	0.0061 U	0.0056 U	0.0052 J	0.0057 U	0.0057 U	0.0057 U	0.040 U	0.0067 U
Tetrachloroethene	19	1.3	0.0074 U	0.030 U	0.0075 U	0.0079 U	0.0056 U	0.0061 U	0.0056 U	0.0078 U	0.0057 U	0.0057 U	0.0057 U	0.040 U	0.0067 U
Toluene	100	0.7	0.0015 J	0.017 J	**76 DJ**	0.014 J	0.0068 UJ	0.0061 UJ	0.0056 UJ	0.0045 J	0.0057 UJ	0.0057 UJ	0.0057 UJ	0.040 UJ	0.057
Trichloroethene	21	0.47	0.0074 U	0.030 U	0.0075 U	0.0079 U	0.0056 U	0.0061 U	0.0056 U	0.0078 U	0.0057 U	0.0057 U	0.0057 U	0.040 U	0.00046 J
Xylenes (total)	100	1.6	0.0041 J	0.012 J	**410 D**	0.60	0.030	0.0044 J	0.017 U	0.30	0.015 J	0.017 U	0.030	0.12 U	0.11
Total BTEX	10[1]	- -	0.039 J	0.033 J	760 J	1.0 J	0.036 J	0.0077 J	ND	0.45 J	0.016 J	0.0015 J	0.12	0.54	0.21 J
Total VOCs	- -	- -	0.060 J	1.5 J	760 J	1.1 J	0.036 J	0.0097 J	ND	0.50 J	0.016 J	0.057 J	0.13 J	0.54	0.24 J

See Notes on Page 24.

Table 9a. Summary of Soil Analytical Results for Detected VOCs (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-279 20 - 22 03/01/07	SB-279 24 - 26 03/01/07	SB-279 28 - 30 03/01/07	SB-280 5 - 7 03/01/07	SB-280 7 - 9 03/01/07	SB-280 20 - 22 03/01/07	SB-280 28 - 30 03/01/07	SB-281 7 - 9 02/27/07	SB-281 9 - 11 02/27/07	SB-281 13 - 15 02/27/07	SB-281 17 - 19 02/27/07	SB-334A 11 04/30/08	SB-334A 14 04/30/08	SB-338B 11 05/01/08
Volatile Organics																
1,1,1-Trichloroethane	100	0.68	0.0061 U	0.0057 U	0.0063 U	0.0058 U	0.0060 U	0.0060 U	0.0061 U	0.0057 U	0.0057 U	0.0060 U	0.0068 U	2.4 U	31 U	12 U
1,1,2-Trichloroethane	- -	- -	0.0061 U	0.0057 U	0.0063 U	0.0058 U	0.0060 U	0.0060 U	0.0061 U	0.0057 U	0.0057 U	0.0060 U	0.0068 U	2.4 U	31 U	12 U
1,1-Dichloroethene	100	0.33	0.0061 U	0.0057 U	0.0063 U	0.0058 U	0.0060 U	0.0060 U	0.0061 U	0.0057 U	0.0057 U	0.0060 U	0.0068 U	2.4 U	31 U	12 U
1,2,4-Trichlorobenzene	- -	- -	0.0061 U	0.0057 U	0.0063 U	0.0058 U	0.0060 U	0.0060 U	0.0061 U	0.0057 U	0.0057 U	0.0060 U	0.0068 U	NA	NA	NA
1,2-Dichloroethane	3.1	0.02	0.0061 U	0.0057 U	0.0063 U	0.0058 U	0.0060 U	0.0060 U	0.0061 U	0.0057 U	0.0057 U	0.0060 U	0.0068 U	2.4 U	31 U	12 U
1,2-Dichloropropane	- -	- -	0.0061 U	0.0057 U	0.0063 U	0.0058 U	0.0060 U	0.0060 U	0.0061 U	0.0057 U	0.0057 U	0.0060 U	0.0068 U	2.4 U	31 U	12 U
1,4-Dichlorobenzene	13	1.8	0.0061 U	0.0057 U	0.0063 U	0.0058 U	0.0060 U	0.0060 U	0.0061 U	0.0057 U	0.0057 U	0.0060 U	0.0068 U	NA	NA	NA
2-Butanone	100	0.12	0.015 U	0.014 U	0.016 U	0.015 U	0.015 U	0.015 U	0.015 U	0.014 U	0.014 U	0.015 U	0.017 U	2.4 U	31 U	12 U
2-Hexanone	- -	- -	0.015 U	0.014 U	0.016 U	0.015 U	0.015 U	0.015 U	0.015 U	0.014 U	0.014 U	0.015 U	0.017 U	2.4 U	31 U	12 U
4-Methyl-2-pentanone	- -	- -	0.015 U	0.014 U	0.016 U	0.015 U	0.015 U	0.015 U	0.015 U	0.014 U	0.014 U	0.015 U	0.017 U	2.4 U	31 U	12 U
Acetone	100	0.05	0.036	0.0067 J	0.016 U	0.015 U	0.015 U	0.015 U	0.017	0.022	0.014 U	0.015 U	0.017 U	6.0 UBJ	78 UJ	30 UJ
Benzene	4.8	0.06	**0.075**	0.0057 U	0.00087 J	0.0058 U	0.0060 U	0.0060 U	0.0061 U	0.0057 U	0.0057 U	0.0031 J	0.0017 J	**3.2**	**210**	**29**
Carbon Disulfide	- -	- -	0.0045 J	0.0057 U	0.0063 U	0.0058 U	0.0060 U	0.0060 U	0.0030 J	0.0011 J	0.0057 U	0.0059 J	0.0030 J	2.4 UJ	31 UJ	12 UJ
Chlorobenzene	100	1.1	0.0061 U	0.0057 U	0.0063 U	0.0058 U	0.0060 U	0.0060 U	0.0061 U	0.0057 U	0.0057 U	0.0060 U	0.0068 U	2.4 U	31 U	12 U
Chloroform	49	0.37	0.0061 U	0.0057 U	0.0063 U	0.0058 U	0.0060 U	0.0060 U	0.0061 U	0.0057 U	0.0057 U	0.0060 U	0.0068 U	2.4 U	31 U	12 U
Chloromethane	- -	- -	0.0061 U	0.0057 U	0.0063 U	0.0058 U	0.0060 U	0.0060 U	0.0061 U	0.0057 U	0.0057 U	0.0060 U	0.0068 U	2.4 U	31 U	12 U
cis-1,2-Dichloroethene	100	0.25	0.0061 U	0.0057 U	0.0063 U	0.0058 U	0.0060 U	0.0060 U	0.0061 U	0.0057 U	0.0057 U	0.0060 U	0.0068 U	2.4 U	31 U	12 U
Cyclohexane	- -	- -	0.0061 U	0.0057 U	0.0063 U	0.0058 U	0.0060 U	0.0060 U	0.0061 U	0.0057 U	0.0057 U	0.0060 U	0.0068 U	NA	NA	NA
Dichlorodifluoromethane	- -	- -	0.0061 U	0.0057 U	0.0063 U	0.0058 U	0.0060 U	0.0060 U	0.0061 U	0.0057 U	0.0057 U	0.0060 U	0.0068 U	NA	NA	NA
Ethylbenzene	41	1	0.0070	0.0057 U	0.0063 U	0.0058 U	0.0060 U	0.0060 U	0.0061 U	0.0057 U	0.0057 U	0.0044 J	0.0068 U	**58**	**120**	**91**
Isopropylbenzene	- -	- -	0.0019 J	0.0057 U	0.0063 U	0.0058 U	0.0060 U	0.0060 U	0.0061 U	0.0057 U	0.0057 U	0.0033 J	0.0068 U	NA	NA	NA
Methyl Acetate	- -	- -	0.0061 U	0.0057 U	0.0063 U	0.0058 U	0.0060 U	0.0060 U	0.0061 U	0.0057 U	0.0057 U	0.0060 U	0.0068 U	NA	NA	NA
Methyl tert-butyl ether	100	0.93	0.0061 U	0.0057 U	0.0038 J	0.0058 U	0.0060 U	0.0060 U	0.0061 U	0.0057 U	0.0057 U	0.0060 U	0.0068 U	NA	NA	NA
Methylcyclohexane	- -	- -	0.0061 U	0.0057 U	0.0063 U	0.0058 U	0.0060 U	0.0060 U	0.0061 U	0.0057 U	0.0057 U	0.0060 U	0.0068 U	NA	NA	NA
Methylene Chloride	100	0.05	0.0030 J	0.0015 J	0.0017 J	0.0021 J	0.0030 J	0.0017 J	0.0021 J	0.0014 J	0.0012 J	0.0060 U	0.0015 J	2.4 UB	**11 J**	**3.2 J**
m-Xylene & p-Xylene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	- -	- -	0.0061 U	0.0057 U	0.0063 U	0.0058 U	0.0011 J	0.0060 U	0.0061 U	0.0057 U	0.0057 U	0.0060 U	0.0068 U	2.4 U	250	50
Tetrachloroethene	19	1.3	0.0061 U	0.0057 U	0.0063 U	0.0058 U	0.0060 U	0.0060 U	0.0061 U	0.0057 U	0.0057 U	0.0060 U	0.0068 U	2.4 U	31 U	12 U
Toluene	100	0.7	0.058	0.00060 J	0.0063 U	0.0058 U	0.00067 J	0.0060 U	0.0061 U	0.0057 UJ	0.0057 UJ	0.0060 UJ	0.0068 UJ	**33 J**	**750 J**	**240 J**
Trichloroethene	21	0.47	0.0061 U	0.0057 U	0.0063 U	0.0058 U	0.0060 U	0.0060 U	0.00053 J	0.0057 U	0.0057 U	0.0060 U	0.0068 U	2.4 U	31 U	12 U
Xylenes (total)	100	1.6	0.091	0.017 U	0.019 U	0.017 U	0.018 U	0.018 U	0.018 U	0.017 U	0.017 U	0.019	0.020 U	**220**	**1,100**	**370**
Total BTEX	10[1]	- -	0.23	0.00060 J	0.00087 J	ND	0.00067 J	ND	ND	ND	ND	0.027 J	0.0017 J	310 J	2,200 J	730 J
Total VOCs	- -	- -	0.28 J	0.0088 J	0.0026 J	0.0021 J	0.0048 J	0.0017 J	0.023 J	0.025 J	0.0012 J	0.032 J	0.0062 J	310 J	2,400 J	780 J

See Notes on Page 24.

Table 9a. Summary of Soil Analytical Results for Detected VOCs (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-338B 20 - 21 05/01/08	SB-339A 19 - 20 05/01/08	SB-A 2 09/05/08	SB-A 7 - 8 03/05/07	SB-A 8 09/05/08	SB-A 21 09/05/08	SB-A 24 - 25 03/05/07	SB-A 32 09/05/08	SB-C 9 - 9.5 10/09/08	SB-C 14 09/08/08	SB-C 22 09/08/08	SB-C 28 - 28.5 10/09/08	SB-C 36 09/09/08	SB-C 39 - 39.5 10/09/08
Volatile Organics																
1,1,1-Trichloroethane	100	0.68	0.57 U	1.3 U	0.0055 U	0.30 UJ	0.0058 U	0.0056 UJ	0.0078 U	0.0052 U	0.0063 U	2.7 U	2.2 UJ	0.73 U	0.0062 U	0.66 U
1,1,2-Trichloroethane	- -	- -	0.57 U	1.3 U	0.0055 U	0.30 UJ	0.0058 U	0.0056 UJ	0.0078 U	0.0052 U	0.0063 U	2.7 U	2.2 UJ	0.73 U	0.0062 U	0.66 U
1,1-Dichloroethene	100	0.33	0.57 U	1.3 U	0.0055 U	0.30 UJ	0.0058 U	0.0056 UJ	0.0078 U	0.0052 U	0.0063 U	2.7 U	2.2 UJ	0.73 U	0.0062 U	0.66 U
1,2,4-Trichlorobenzene	- -	- -	NA	NA	NA	0.30 UJ	NA	NA	0.0078 U	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	3.1	0.02	0.57 U	1.3 U	0.0055 U	0.30 UJ	0.0058 U	0.0056 UJ	0.0078 UJ	0.0052 U	0.0063 U	2.7 U	2.2 UJ	0.73 U	0.0062 U	0.66 U
1,2-Dichloropropane	- -	- -	0.57 U	1.3 U	0.0055 U	0.30 UJ	0.0058 U	0.0056 UJ	0.0078 U	0.0052 U	0.0063 U	2.7 U	2.2 UJ	0.73 U	0.0062 U	0.66 U
1,4-Dichlorobenzene	13	1.8	NA	NA	NA	0.30 UJ	NA	NA	0.0078 U	NA	NA	NA	NA	NA	NA	NA
2-Butanone	100	0.12	0.57 U	1.3 U	0.011 UJ	0.75 UJ	0.012 UJ	0.021 J	0.020 U	0.010 UJ	0.013 U	2.7 U	2.2 UJ	0.73 U	0.012 UJ	0.66 U
2-Hexanone	- -	- -	0.57 U	1.3 U	0.011 U	0.75 UJ	0.012 U	0.011 UJ	0.020 U	0.010 U	0.013 U	2.7 U	2.2 UJ	0.73 U	0.012 U	0.66 U
4-Methyl-2-pentanone	- -	- -	0.57 U	1.3 U	0.0055 U	0.75 UJ	0.0058 U	0.0056 UJ	0.020 U	0.0052 U	0.0063 U	2.7 U	2.2 UJ	0.73 U	0.0062 U	0.66 U
Acetone	100	0.05	1.4 UBJ	3.2 UBJ	0.022 U	0.75 UJ	0.023 UB	**2.0 JD**	0.028	0.0077 J	0.025 U	**2.6 J**	**120 D**	1.8 U	0.025 UBJ	1.7 U
Benzene	4.8	0.06	**0.81**	**1.1 J**	0.0055 U	0.30 UJ	0.0058 U	**1.7 EJ**	0.025	0.00075 J	0.0063 U	2.7 U	2.2 UJ	**5.7**	0.0062 UB	**4.7**
Carbon Disulfide	- -	- -	0.57 UJ	1.3 U	0.0055 UJ	0.30 UJ	0.0058 UJ	0.0038 J	0.0078 U	0.0052 U	0.0063 U	2.7 U	2.2 UJ	0.12 J	0.0062 UJ	0.66 U
Chlorobenzene	100	1.1	0.57 U	1.3 U	0.0055 U	0.30 UJ	0.0058 U	0.0056 UJ	0.0078 U	0.0052 U	0.0063 U	2.7 U	2.2 UJ	0.73 U	0.0062 U	0.66 U
Chloroform	49	0.37	0.57 U	1.3 U	0.0055 U	0.30 UJ	0.0058 U	0.0056 UJ	0.0078 U	0.0052 U	0.0063 UJ	2.7 U	2.2 UJ	0.73 U	0.0062 UB	0.66 U
Chloromethane	- -	- -	0.57 U	1.3 U	0.0055 U	0.30 UJ	0.0058 U	0.0056 UJ	0.0078 U	0.0052 U	0.0063 U	2.7 U	2.2 UJ	0.73 U	0.0062 U	0.66 U
cis-1,2-Dichloroethene	100	0.25	0.57 U	1.3 U	0.0055 U	0.30 UJ	0.0058 U	0.0056 UJ	0.0078 U	0.0052 U	0.0063 U	2.7 U	2.2 UJ	0.73 U	0.0062 U	0.66 U
Cyclohexane	- -	- -	NA	NA	NA	0.30 UJ	NA	NA	0.0078 U	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	- -	- -	NA	NA	NA	0.30 UJ	NA	NA	0.0078 UJ	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	41	1	**8.4**	**18**	0.0055 U	0.62 J	0.0058 U	**36 D**	0.0068 J	0.0013 J	0.0063 U	**100**	**210 D**	**8.7**	0.011	**4.4**
Isopropylbenzene	- -	- -	NA	NA	NA	0.36 J	NA	NA	0.0020 J	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	- -	- -	NA	NA	NA	0.30 U	NA	NA	0.0078 U	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	100	0.93	NA	NA	NA	0.30 UJ	NA	NA	0.0078 U	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane	- -	- -	NA	NA	NA	7.5 J	NA	NA	0.0076 J	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	100	0.05	0.57 UB	1.3 UB	0.022 U	0.30 UJ	0.023 UB	0.023 UB	0.0078 U	0.0023 J	0.025 UB	2.7 UB	2.2 UBJ	0.73 UB	0.0031 J	0.66 UB
m-Xylene & p-Xylene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	- -	- -	0.63	1.3 U	0.0055 U	0.30 UJ	0.0058 U	0.0056 UJ	0.0078 U	0.0052 U	0.0063 U	2.7 U	2.2 UJ	0.73 U	0.0062 U	0.66 U
Tetrachloroethene	19	1.3	0.57 U	1.3 U	0.0055 U	0.30 UJ	0.0058 U	0.0056 UJ	0.0078 U	0.0052 U	0.0010 J	2.7 U	2.2 UJ	0.73 U	0.0062 U	0.66 U
Toluene	100	0.7	**6.3 J**	**12**	0.0055 U	0.092 J	0.0058 U	**3.2 D**	0.0078 UJ	0.0052 U	0.0063 U	**54**	**18 J**	0.49 J	0.011	0.30 J
Trichloroethene	21	0.47	0.57 U	1.3 U	0.0055 U	0.30 UJ	0.0058 U	0.0056 UJ	0.0078 U	0.0052 U	0.0058 J	2.7 U	2.2 UJ	0.73 U	0.0062 U	0.66 U
Xylenes (total)	100	1.6	**31**	**110**	0.0055 U	0.12 J	0.0058 U	**59 D**	0.012 J	0.0052 U	0.0063 U	**1,100**	**240 J**	**11**	0.056	**9.8**
Total BTEX	10[1]	- -	47 J	140 J	ND	0.83 J	ND	100 J	0.044 J	0.0021 J	ND	1,300	470 J	26 J	0.078	19 J
Total VOCs	- -	- -	47 J	140 J	ND	0.83 J	ND	100 J	0.072 J	0.012 J	0.0068 J	1,300 J	590 J	26 J	0.081 J	19 J

See Notes on Page 24.

Table 9a. Summary of Soil Analytical Results for Detected VOCs (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-C 41 - 41.5 10/09/08	SB-D 12 09/04/08	SB-D 24 09/04/08	SC-0126 01/26/07	TP-1B 1 - 1.5 05/04/05	WELL CLUSTER A 12 08/20/08	WELL CLUSTER A 17 08/21/08	WELL CLUSTER A 20 08/21/08	WELL CLUSTER B 1 08/20/08	WELL CLUSTER B 9 - 9.5 10/09/08
Volatile Organics												
1,1,1-Trichloroethane	100	0.68	0.0077 U	0.0056 U [0.0055 U]	0.0058 U	NA	0.00046 U [0.00046 UJ]	0.57 U	0.64 U	0.031 U	0.56 U	0.0061 U
1,1,2-Trichloroethane	- -	- -	0.0077 U	0.0056 U [0.0055 U]	0.0058 U	NA	0.00033 U [0.00032 UJ]	0.57 U	0.64 U	0.031 U	0.56 U	0.0061 U
1,1-Dichloroethene	100	0.33	0.0077 U	0.0056 U [0.0055 U]	0.0058 U	NA	0.00064 U [0.00063 UJ]	0.57 U	0.64 U	0.031 U	0.56 U	0.0061 U
1,2,4-Trichlorobenzene	- -	- -	NA	NA	NA	NA	0.00076 U [0.00075 UJ]	NA	NA	NA	NA	NA
1,2-Dichloroethane	3.1	0.02	0.0077 U	0.0056 U [0.0055 U]	0.0058 U	NA	0.00034 U [0.00034 UJ]	0.57 U	0.64 U	0.031 U	0.56 U	0.0061 U
1,2-Dichloropropane	- -	- -	0.0077 U	0.0056 U [0.0055 U]	0.0058 U	NA	0.00044 U [0.00043 UJ]	0.57 U	0.64 U	0.031 U	0.56 U	0.0061 U
1,4-Dichlorobenzene	13	1.8	NA	NA	NA	NA	0.00060 U [0.0060 J]	NA	NA	NA	NA	NA
2-Butanone	100	0.12	0.015 U	0.011 UJ [0.011 UJ]	0.012 UJ	NA	0.0031 U [0.015 J]	0.57 U	0.64 U	0.062 U	0.56 U	0.012 U
2-Hexanone	- -	- -	0.015 U	0.011 U [0.011 U]	0.012 U	NA	0.0040 U [0.0039 UJ]	0.57 U	0.64 UJ	0.062 U	0.56 U	0.012 U
4-Methyl-2-pentanone	- -	- -	0.0077 U	0.0056 U [0.0055 U]	0.0058 U	NA	0.0022 U [0.0022 UJ]	0.57 U	0.64 U	0.031 U	0.56 U	0.0061 U
Acetone	100	0.05	**0.071**	0.039 UB [0.024 UB]	0.023 UB	NA	**0.0082 JB [0.081 BJ]**	1.4 U	1.6 UB	0.12 U	1.4 UB	0.024 UB
Benzene	4.8	0.06	0.029	0.0056 U [0.0055 U]	0.0058 U	NA	0.00044 U [0.00044 UJ]	**0.14**	**1.1**	**1.0 E**	**0.15 J**	0.0061 U
Carbon Disulfide	- -	- -	0.0093	0.0031 J [0.0032 J]	0.0058 UJ	NA	0.00041 U [0.00040 UJ]	0.57 U	0.64 U	0.031 U	0.56 U	0.0061 U
Chlorobenzene	100	1.1	0.0077 U	0.0056 U [0.0055 U]	0.0058 U	NA	0.00040 UJ [0.00040 UJ]	0.57 U	0.64 U	0.031 U	0.56 U	0.0061 U
Chloroform	49	0.37	0.0077 UJ	0.0056 U [0.0055 U]	0.0058 U	NA	0.00039 U [0.00038 UJ]	0.57 U	0.64 U	0.031 U	0.56 U	0.0061 UJ
Chloromethane	- -	- -	0.0077 U	0.0056 U [0.0055 U]	0.0058 U	NA	0.00095 U [0.00093 UJ]	0.57 U	0.64 U	0.031 U	0.56 U	0.0061 U
cis-1,2-Dichloroethene	100	0.25	0.0077 U	0.0056 U [0.0055 U]	0.0058 U	NA	0.00036 U [0.00036 UJ]	0.57 U	0.64 U	0.031 U	0.56 U	0.0061 U
Cyclohexane	- -	- -	NA	NA	NA	NA	0.00036 U [0.00035 UJ]	NA	NA	NA	NA	NA
Dichlorodifluoromethane	- -	- -	NA	NA	NA	NA	0.00095 U [0.00094 UJ]	NA	NA	NA	NA	NA
Ethylbenzene	41	1	0.0038 J	0.0056 U [0.0055 U]	0.0058 U	NA	0.00039 U [0.0044 J]	0.029 U	**12**	0.41	**1.4**	0.0061 U
Isopropylbenzene	- -	- -	NA	NA	NA	NA	0.00046 U [0.00046 UJ]	NA	NA	NA	NA	NA
Methyl Acetate	- -	- -	NA	NA	NA	NA	0.00096 U [0.00095 UJ]	NA	NA	NA	NA	NA
Methyl tert-butyl ether	100	0.93	NA	NA	NA	NA	0.00041 U [0.00040 UJ]	NA	NA	NA	NA	NA
Methylcyclohexane	- -	- -	NA	NA	NA	NA	0.00047 U [0.0041 J]	NA	NA	NA	NA	NA
Methylene Chloride	100	0.05	0.031 UB	0.022 UB [0.022 UB]	0.023 UB	NA	0.0036 JB [0.0022 J]	0.57 UB	0.64 U	0.12 UB	0.56 UB	0.024 UB
m-Xylene & p-Xylene	- -	- -	NA	NA	NA	NA	0.00096 U [0.067 J]	NA	NA	NA	NA	NA
o-Xylene	- -	- -	NA	NA	NA	NA	0.00043 U [0.15 J]	NA	NA	NA	NA	NA
Styrene	- -	- -	0.0077 UJ	0.0056 U [0.0055 U]	0.0058 U	NA	0.00051 U [0.00050 UJ]	0.57 U	0.64 U	0.031 UJ	0.56 U	0.0061 U
Tetrachloroethene	19	1.3	0.0077 U	0.0056 U [0.0055 U]	0.0058 U	NA	0.00081 U [0.00080 UJ]	0.57 U	0.64 U	0.031 UJ	0.56 U	0.0061 U
Toluene	100	0.7	0.0077 U	0.0056 U [0.0055 U]	0.0058 U	NA	0.00045 U [0.0057 J]	0.36 J	0.46 J	0.013 J	**1.6**	0.0061 U
Trichloroethene	21	0.47	0.0077 U	0.0056 U [0.0055 U]	0.0058 U	NA	0.00034 U [0.00034 UJ]	0.57 U	0.64 U	0.031 U	0.56 U	0.0061 U
Xylenes (total)	100	1.6	0.017	0.0056 U [0.0055 U]	0.0058 U	NA	ND [0.22 J]	**3.7**	**58**	**1.8**	**11**	0.0061 U
Total BTEX	10[1]	- -	0.050 J	ND [ND]	ND	NA	ND [0.23 J]	4.2 J	72 J	3.2 J	14 J	ND
Total VOCs	- -	- -	0.13 J	0.0031 J [0.0032 J]	ND	NA	0.012 J [0.33 J]	4.2 J	72 J	3.2 J	14 J	ND

See Notes on Page 24.

Table 9a. Summary of Soil Analytical Results for Detected VOCs (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	WELL CLUSTER B 10 08/22/08	WELL CLUSTER B 20 08/22/08	WELL CLUSTER B 30 - 30.5 10/09/08	WELL CLUSTER B 32 - 32.5 10/09/08	WELL CLUSTER C 11 08/26/08	WELL CLUSTER C 21 08/26/08
Volatile Organics								
1,1,1-Trichloroethane	100	0.68	0.57 U	0.029 J	0.0058 U [0.0059 U]	0.0080 U	0.0057 U	12 U
1,1,2-Trichloroethane	- -	- -	0.57 U	0.029 UJ	0.0058 U [0.0059 U]	0.0080 U	0.0057 U	12 U
1,1-Dichloroethene	100	0.33	0.57 U	0.029 UJ	0.0058 U [0.0059 U]	0.0080 U	0.0057 U	12 U
1,2,4-Trichlorobenzene	- -	- -	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	3.1	0.02	0.57 U	0.029 UJ	0.0058 U [0.0059 U]	0.0080 U	0.0057 U	12 U
1,2-Dichloropropane	- -	- -	0.57 U	0.029 UJ	0.0058 U [0.0059 U]	0.0080 U	0.0057 U	12 U
1,4-Dichlorobenzene	13	1.8	NA	NA	NA	NA	NA	NA
2-Butanone	100	0.12	0.57 U	0.058 UJ	0.012 U [0.012 U]	0.016 U	0.011 UJ	12 U
2-Hexanone	- -	- -	0.57 U	0.058 UJ	0.012 U [0.012 U]	0.016 U	0.011 UJ	12 U
4-Methyl-2-pentanone	- -	- -	0.57 U	0.029 UJ	0.0058 U [0.0059 U]	0.0080 U	0.0057 U	12 U
Acetone	100	0.05	**0.41 J**	**0.060 J**	0.037 [0.026]	**0.13**	0.017 J	30 U
Benzene	4.8	0.06	**0.16 J**	**0.80 J**	**0.16 J [0.36 D]**	**0.15 J**	0.0015 J	**600 D**
Carbon Disulfide	- -	- -	0.57 U	0.0042 J	0.0016 J [0.0034 J]	0.0019 J	0.0057 U	12 U
Chlorobenzene	100	1.1	0.57 U	0.029 UJ	0.0058 U [0.0059 U]	0.0080 U	0.0057 U	12 U
Chloroform	49	0.37	0.57 U	0.029 UJ	0.0058 UJ [0.0059 UJ]	0.0080 UJ	0.0057 U	12 U
Chloromethane	- -	- -	0.57 U	0.029 UJ	0.0058 U [0.0059 U]	0.0080 U	0.0057 U	12 U
cis-1,2-Dichloroethene	100	0.25	0.57 U	0.029 UJ	0.0058 U [0.0059 U]	0.0080 U	0.0057 U	12 U
Cyclohexane	- -	- -	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	- -	- -	NA	NA	NA	NA	NA	NA
Ethylbenzene	41	1	**3.7**	0.96 J	0.11 [0.19]	0.12	0.0057 U	**620 D**
Isopropylbenzene	- -	- -	NA	NA	NA	NA	NA	NA
Methyl Acetate	- -	- -	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	100	0.93	NA	NA	NA	NA	NA	NA
Methylcyclohexane	- -	- -	NA	NA	NA	NA	NA	NA
Methylene Chloride	100	0.05	0.57 U	0.022 J	0.023 UB [0.023 UB]	0.032 UB	0.0035 J	**2.0 J**
m-Xylene & p-Xylene	- -	- -	NA	NA	NA	NA	NA	NA
o-Xylene	- -	- -	NA	NA	NA	NA	NA	NA
Styrene	- -	- -	0.57 U	0.029 UJ	0.0058 U [0.0059 U]	0.0080 U	0.0057 U	17
Tetrachloroethene	19	1.3	0.57 U	0.029 UJ	0.0058 U [0.0059 U]	0.0080 U	0.0057 U	12 U
Toluene	100	0.7	0.18 J	0.34 J	0.0064 [0.015]	0.016	0.0057 U	**690 D**
Trichloroethene	21	0.47	0.57 U	0.029 UJ	0.0058 U [0.0059 U]	0.0080 U	0.0057 U	12 U
Xylenes (total)	100	1.6	**5.3**	1.3 J	0.10 [0.22]	0.38	0.0057 U	**1,100**
Total BTEX	10[1]	- -	9.3 J	3.4 J	0.38 J [0.79]	0.67 J	0.0015 J	3,000
Total VOCs	- -	- -	9.8 J	3.5 J	0.42 J [0.81 J]	0.80 J	0.022 J	3,000 J

See Notes on Page 24.

Table 9a. Summary of Soil Analytical Results for Detected VOCs (ppm), Consolidated Edison, West 18th Street, New York, New York

Notes:

1. Samples were collected by the following:
   - TRC Environmental Corporation from April 2005 to May 2005.
   - ARCADIS from June 2006 to the present.
2. Laboratory analysis of the June 2006 samples and the 2008 samples were performed by TestAmerica Laboratories, Inc. (TestAmerica) of Shelton, Connecticut for Volatile Organic Compounds (VOCs)/Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX).
3. Laboratory analysis of the September 2006, October 2006, November 2006, December 2006, and the 2007 samples were performed by CompuChem Laboratories, Inc. located in Cary, North Carolina for VOCs/BTEX using USEPA SW-846 Method 8240.
4. Laboratory analysis of the April and May 2005 samples (TRC samples) were performed by ChemTech Laboratories, located in Mountainside, New Jersey for VOCs/BTEX using USEPA SW-846 Method 8240.
5. NYSDEC = New York State Department of Environmental Conservation.
6. bgs = below ground surface.
7. All concentrations reported in dry weight parts per million (ppm), which is equivalent to milligrams per kilogram (mg/kg).
8. Field duplicate sample results are presented in brackets.
9. Data qualifiers are defined as follows:
   J = Data indicate the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
   ND = None detected.
   U = The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
   UJ = The compound was analyzed for but not detected. The associated value is the estimated compound quantitation limit.
10. NYSDEC Restricted Use Soil Cleanup Objectives (SCOs) are from Title 6 of the Official Compilation of Codes, Rules, and Regulations of the State of New York (6 NYCRR) Part 375-6.8(b).
11. - - = No 6 NYCRR Part 375 SCO listed.
12. NA = Not Analyzed.
13. Bolding indicates that the sample result exceeds NYSDEC Restricted Use SCO - Protection of Groundwater.
14. Shading indicates that the sample result exceeds NYSDEC Restricted Use SCO - Restricted Residential. Samples Exceeding 10 ppm for total BTEX have also been shaded.
15. Only those constituents detected in one or more samples are summarized.
16. 10^{1} = where ^{1} refers to the criteria for total BTEX from TAGM 4046 Soil Guidance Values. TAGM 4046 Soil Guidance Values are from the NYSDEC Technical and Administrative Guidance Memorandum (TAGM) titled "Determination of Soil Cleanup Objectives and Cleanup Levels," HWR-94-4046 (TAGM 4046) dated January 24, 1994.

Table 9b. Summary of Soil Analytical Results for Detected SVOCs and DRO (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	MTP-1 3 - 4 02/10/07	MTP-1 8 - 9 02/10/07	MTP-1 19 - 20 02/10/07	MTP-1 23 - 24 02/10/07	MTP-2 9 - 10 02/10/07	MTP-2 18 - 19 02/10/07	MTP-2 22 - 23 02/10/07	MTP-2 24 - 25 02/10/07	MTP-3 8 - 9 03/03/07	MTP-3 24 - 25 03/03/07	SB-1 5 - 5.5 05/03/05	SB-2 1 - 1.5 05/02/05	SB-2 2 - 2.5 05/02/05	SB-2 5 - 7 05/06/05
Semi Volatile Organics																
1,1-Biphenyl	- -	- -	0.36 U	0.14 J	0.46 U	0.41 U	0.10 J	37 J	0.36 U	0.36 U	0.41 U	0.51 U	0.054 U	0.058 U	0.059 U	0.068 U
2,4-Dimethylphenol	- -	- -	0.36 U	0.37 U	0.46 U	0.41 U	0.39 U	77 U	0.36 U	0.36 U	0.41 U	0.51 U	0.052 U	0.056 U	0.056 U	0.065 U
2,4-Dinitrotoluene	- -	- -	0.36 U	0.37 U	0.46 U	0.41 U	0.39 U	77 U	0.36 U	0.36 U	0.41 U	0.51 U	0.048 U	0.052 U	0.052 U	0.060 U
2-Methylnaphthalene	- -	- -	0.20 J	4.4	0.62	0.41 U	1.4	380	0.36 U	0.36 U	0.41 U	0.51 U	0.055 U	0.12 J	0.059 U	0.069 U
2-Methylphenol	100	0.33	0.36 U	0.37 U	0.46 U	0.41 U	0.39 U	77 U	0.36 U	0.36 U	0.41 U	0.51 U	0.055 U	0.059 U	0.059 U	0.068 U
4-Chloroaniline	- -	- -	0.36 U	0.37 U	0.46 U	0.41 U	0.39 U	77 U	0.36 U	0.36 U	0.41 U	0.51 U	0.039 U	0.042 U	0.042 U	0.049 U
4-Chlorophenyl-phenylether	- -	- -	0.36 U	0.37 U	0.46 U	0.41 U	0.39 U	77 U	0.36 U	0.36 U	0.41 U	0.51 U	0.052 U	0.056 U	0.056 U	0.065 U
4-Methylphenol	100	0.33	0.73 U	0.73 U	0.93 U	0.83 U	0.78 U	150 U	0.73 U	0.73 U	0.81 U	1.0 U	NA	NA	NA	NA
Acenaphthene	100	98	0.085 J	0.17 J	1.2	0.41 U	0.080 J	74 J	0.31 J	0.089 J	0.41 U	0.51 U	0.059 U	0.076 J	0.063 U	0.073 U
Acenaphthylene	100	107	0.062 J	0.37 U	0.46 U	0.41 U	0.39 U	29 J	0.090 J	0.073 J	0.41 U	0.51 U	0.054 U	0.057 U	0.058 U	0.067 U
Anthracene	100	1,000	0.16 J	0.30 J	0.52	0.41 U	0.11 J	81	0.15 J	0.082 J	0.41 U	0.51 U	0.050 U	0.053 U	0.091 J	0.062 U
Benzaldehyde	- -	- -	0.36 U	0.37 U	0.46 U	0.41 U	0.39 U	77 U	0.36 U	0.36 U	0.41 U	0.51 U	0.068 U	0.072 U	0.073 U	0.084 U
Benzo(a)anthracene	1	1	0.49	0.39	0.48	0.41 U	0.18 J	**46 J**	0.36 U	0.36 U	0.41 U	0.51 U	0.046 U	0.049 U	0.088 J	0.058 U
Benzo(a)pyrene	1	22	0.53	0.28 J	0.36 J	0.41 U	0.19 J	**35 J**	0.36 U	0.36 U	0.41 U	0.51 U	0.053 U	0.062 J	0.11 J	0.066 U
Benzo(b)fluoranthene	1	1.7	0.57	0.31 J	0.43 J	0.41 U	0.21 J	**26 J**	0.36 U	0.36 U	0.41 U	0.51 U	0.036 U	0.065 J	0.18 J	0.045 U
Benzo(g,h,i)perylene	100	1,000	0.34 J	0.14 J	0.18 J	0.41 U	0.15 J	18 J	0.36 U	0.36 U	0.41 U	0.51 U	0.055 U	0.058 UJ	0.059 U	0.068 U
Benzo(k)fluoranthene	3.9	1.7	0.30 J	0.14 J	0.19 J	0.41 U	0.15 J	**35 J**	0.36 U	0.36 U	0.41 U	0.51 U	0.073 U	0.078 UJ	0.082 J	0.091 U
bis(2-Ethylhexyl)phthalate	- -	- -	0.36 U	0.37 U	0.46 U	0.41 U	0.39 U	77 U	0.36 U	0.43 U	0.41 U	0.51 U	0.063 U	0.068 U	0.068 U	0.15 J
Butylbenzylphthalate	- -	- -	0.36 U	0.37 U	0.46 U	0.41 U	0.11 J	77 U	0.36 U	0.36 U	0.41 U	0.51 U	0.053 U	0.057 U	0.058 U	0.074 J
Caprolactam	- -	- -	0.36 U	0.37 U	0.46 U	0.41 U	0.39 U	77 UJ	0.36 U	0.36 U	0.41 U	0.51 U	0.053 U	0.057 U	0.057 U	0.066 U
Carbazole	- -	- -	0.095 J	0.14 J	1.1	0.41 U	0.083 J	63 J	0.15 J	0.36 U	0.41 U	0.51 U	0.050 U	0.054 U	0.054 U	0.063 U
Chrysene	3.9	1	0.49	0.34 J	0.43 J	0.41 U	0.25 J	**47 J**	0.36 U	0.36 U	0.41 U	0.51 U	0.059 U	0.063 U	0.11 J	0.074 U
Dibenzo(a,h)anthracene	0.33	1,000	0.075 J	0.37 U	0.46 U	0.41 U	0.11 J	77 U	0.36 U	0.36 U	0.41 U	0.51 U	0.041 U	0.044 UJ	0.045 U	0.052 U
Dibenzofuran	59	210	0.099 J	0.11 J	0.65	0.41 U	0.39 U	93	0.36 U	0.36 U	0.41 U	0.51 U	0.055 U	0.10 J	0.059 U	0.068 U
Diethylphthalate	- -	- -	0.36 U	0.37 U	0.46 U	0.41 U	0.39 U	77 U	0.36 U	0.36 U	0.41 U	0.51 U	0.057 U	0.061 U	0.061 U	0.071 U
Dimethylphthalate	- -	- -	0.36 U	0.37 U	0.46 U	0.41 U	0.39 U	77 U	0.36 U	0.36 U	0.41 U	0.51 U	0.053 U	0.057 U	0.057 U	0.066 U
Di-n-Butylphthalate	- -	- -	0.36 U	0.37 U	0.46 U	0.41 U	0.10 J	77 U	0.36 U	0.36 U	0.41 U	0.51 U	0.050 U	0.054 U	0.054 U	0.063 U
Di-n-Octylphthalate	- -	- -	0.36 U	0.37 U	0.46 U	0.41 U	0.42	77 U	0.36 U	0.36 U	0.41 U	0.51 U	0.056 U	0.060 U	0.061 U	0.070 U
Fluoranthene	100	1,000	0.96	0.98	1.5	0.41 U	0.18 J	160	0.32 J	0.12 J	0.41 U	0.51 U	0.049 U	0.052 U	0.25 J	0.069 J
Fluorene	100	386	0.17 J	0.22 J	0.84	0.41 U	0.095 J	100	0.068 J	0.36 U	0.41 U	0.51 U	0.056 U	0.064 J	0.060 U	0.069 U
Hexachlorobenzene	1.2	3.2	0.36 U	0.37 U	0.46 U	0.41 U	0.39 U	77 U	0.36 UJ	0.36 U	0.41 U	0.51 U	0.053 U	0.056 U	0.057 U	0.066 U
Indeno(1,2,3-cd)pyrene	0.5	8.2	0.33 J	0.15 J	0.19 J	0.41 U	0.14 J	**20 J**	0.36 U	0.36 U	0.41 U	0.51 U	0.042 U	0.045 U	0.045 U	0.052 U
Isophorone	- -	- -	0.36 U	0.37 U	0.46 U	0.41 U	0.39 U	77 U	0.36 U	0.36 U	0.41 U	0.51 U	0.050 U	0.053 U	0.053 U	0.062 U
Naphthalene	100	12	0.61	5.5	3.9	0.41 U	0.52	**22,000 D**	0.72	0.54	0.41 U	0.51 U	0.056 U	0.11 J	0.061 U	0.070 U
N-Nitrosodiphenylamine	- -	- -	0.36 U	0.37 U	0.46 U	0.41 U	0.39 U	77 U	0.36 U	0.36 U	0.41 U	0.51 U	0.054 U	0.058 U	0.059 U	0.068 U
NYSDOH BAP TEQ(-NDs Excluded)	- -	- -	0.75	0.37	0.48	ND	0.36	45	ND	ND	ND	ND	ND	0.069	0.14	ND
Pentachlorophenol	6.7	0.8	0.73 UJ	0.73 UJ	0.93 UJ	0.83 UJ	0.78 UJ	150 U	0.73 U	0.73 UJ	0.81 U	1.0 U	0.076 U	0.082 U	0.082 U	0.095 U
Phenanthrene	100	1,000	0.76	1.1	2.1	0.41 U	0.37 J	300	0.36 U	0.074 J	0.41 U	0.51 U	0.053 U	0.091 J	0.28 J	0.067 J
Phenol	100	0.33	0.36 U	0.37 U	0.46 U	0.41 U	0.39 U	77 U	0.36 U	0.36 U	0.41 U	0.51 U	0.050 U	0.053 U	0.054 U	0.062 U
Pyrene	100	1,000	0.91	0.97	1.3	0.41 U	0.27 J	130	0.34 J	0.36 J	0.41 U	0.51 U	0.058 U	0.062 U	0.38	0.074 J
Total SVOCs	- -	- -	7.2 J	16 J	16 J	ND	5.1 J	24,000 J	2.2 J	1.3 J	ND	ND	ND	0.69 J	1.6 J	0.43 J
Total PAHs	500[1]	- -	7.0 J	15 J	14 J	ND	4.4 J	24,000 J	2.0 J	1.3 J	ND	ND	ND	0.59 J	1.6 J	0.21 J
Diesel Range Organics (DRO)																
C10-C28 DRO	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diesel Range Organics (DRO)	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Page 23.

Table 9b. Summary of Soil Analytical Results for Detected SVOCs and DRO (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-2	SB-2	SB-3	SB-3	SB-3	SB-3	SB-4	SB-4	SB-4	SB-4	SB-4	MW-5B	SB-5A
Sample Depth(Feet):			13 - 15	19 - 20.5	3 - 3.5	5 - 7	13 - 15	17 - 19	5 - 5.5	7 - 9	9 - 13	17 - 19	19 - 21	34 - 36	17 - 19
Date Collected:			05/06/05	05/06/05	04/29/05	05/06/05	05/06/05	05/06/05	05/03/05	05/05/05	05/05/05	05/05/05	05/05/05	06/07/05	05/02/05
Semi Volatile Organics															
1,1-Biphenyl	- -	- -	0.062 U	0.52	0.059 UR	0.060 U	0.062 U	0.063 U	0.060 U	0.061 U	0.063 U	0.063 U	8.6	0.068 U [0.066 U]	0.065 U
2,4-Dimethylphenol	- -	- -	0.059 U	0.067 U	0.057 UR	0.058 U	0.059 U	0.061 U	0.058 U	0.058 U	0.061 U	0.061 U	0.65 U	0.066 U [0.064 U]	0.062 U
2,4-Dinitrotoluene	- -	- -	0.055 U	0.062 U	0.053 UR	0.053 U	0.055 U	0.056 U	0.054 U	0.054 U	0.056 U	0.056 U	0.60 U	0.061 U [0.059 U]	0.058 U
2-Methylnaphthalene	- -	- -	0.063 U	5.3 D	0.060 UR	0.061 U	0.063 U	0.064 U	0.061 U	0.061 U	0.099 J	0.064 U	60 D	0.069 U [0.067 U]	0.086 J
2-Methylphenol	100	0.33	0.062 U	0.071 U	0.059 UR	0.060 U	0.062 U	0.063 U	0.061 U	0.061 U	0.064 U	0.064 U	0.68 U	0.069 U [0.067 U]	0.065 U
4-Chloroaniline	- -	- -	0.045 U	0.051 U	0.043 UR	0.043 U	0.045 U	0.045 U	0.043 U	0.044 U	0.046 U	0.046 U	0.49 U	0.049 U [0.048 U]	0.047 U
4-Chlorophenyl-phenylether	- -	- -	0.059 U	0.067 U	0.057 UR	0.057 U	0.059 U	0.060 U	0.058 U	0.058 U	0.061 U	0.061 U	0.65 U	0.065 U [0.063 U]	0.062 U
4-Methylphenol	100	0.33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	100	98	0.067 U	0.87	0.064 UR	0.065 U	0.067 U	0.068 U	0.065 U	0.065 U	0.068 U	0.068 U	19	0.074 U [0.071 U]	0.070 U
Acenaphthylene	100	107	0.061 U	0.25 J	0.058 UR	0.059 U	0.061 U	0.062 U	0.059 U	0.060 U	0.062 U	0.062 U	9.1	0.067 U [0.065 U]	0.064 U
Anthracene	100	1,000	0.057 U	0.88	0.054 UR	0.055 U	0.057 U	0.058 U	0.055 U	0.055 U	0.058 U	0.058 U	32 DJ	0.062 U [0.060 U]	0.059 U
Benzaldehyde	- -	- -	0.077 U	0.087 U	0.073 UR	0.074 U	0.077 U	0.078 U	0.075 U	0.075 U	0.079 U	0.079 U	0.84 U	0.085 U [0.082 U]	0.081 U
Benzo(a)anthracene	1	1	0.052 U	0.77	0.050 UR	0.051 U	0.052 U	0.053 U	0.051 U	0.051 U	0.054 U	0.059 J	**23**	0.058 U [0.056 U]	0.055 U
Benzo(a)pyrene	1	22	0.060 U	0.48	0.057 UR	0.058 U	0.060 U	0.061 U	0.058 U	0.059 U	0.061 U	0.061 U	18 J	0.066 U [0.064 U]	0.063 U
Benzo(b)fluoranthene	1	1.7	0.041 U	0.46	0.039 UR	0.040 U	0.041 U	0.042 U	0.044 J	0.040 U	0.042 U	0.049 J	**20 J**	0.045 U [0.044 U]	0.043 U
Benzo(g,h,i)perylene	100	1,000	0.062 U	0.17 J	0.059 UR	0.060 U	0.062 U	0.063 U	0.060 U	0.061 U	0.064 U	0.063 U	3.6 J	0.068 U [0.066 U]	0.065 U
Benzo(k)fluoranthene	3.9	1.7	0.082 U	0.17 J	0.079 UR	0.080 U	0.082 U	0.084 U	0.080 U	0.081 U	0.085 U	0.084 U	**6.9 J**	0.091 U [0.088 U]	0.086 U
bis(2-Ethylhexyl)phthalate	- -	- -	0.14 J	0.082 U	0.069 UR	0.27 J	0.072 U	0.16 J	0.070 U	0.084 J	0.074 U	0.074 U	0.79 U	0.079 U [0.077 U]	0.075 U
Butylbenzylphthalate	- -	- -	0.13 J	0.069 U	0.058 UR	0.059 U	0.061 UR	0.088 J	0.059 U	0.059 U	0.062 U	0.062 U	0.66 U	0.067 U [0.065 U]	0.063 U
Caprolactam	- -	- -	0.060 U	0.068 U	0.057 UR	0.058 U	0.060 U	0.061 U	0.059 U	0.059 U	0.062 U	0.062 U	0.66 U	0.066 U [0.064 U]	0.063 U
Carbazole	- -	- -	0.057 U	0.56	0.055 UR	0.055 U	0.057 U	0.058 U	0.056 U	0.056 U	0.059 U	0.059 U	12	0.063 U [0.061 U]	0.060 U
Chrysene	3.9	1	0.067 U	0.66	0.064 UR	0.065 U	0.067 U	0.068 U	0.066 U	0.066 U	0.069 U	0.069 U	**20**	0.074 U [0.072 U]	0.070 U
Dibenzo(a,h)anthracene	0.33	1,000	0.047 U	0.053 U	0.045 UR	0.046 U	0.047 U	0.048 U	0.046 U	0.046 U	0.048 U	0.048 U	0.68 J	0.052 U [0.050 U]	0.049 U
Dibenzofuran	59	210	0.062 U	1.2	0.059 UR	0.060 U	0.062 U	0.063 U	0.060 U	0.061 U	0.064 U	0.063 U	24	0.068 U [0.066 U]	0.065 U
Diethylphthalate	- -	- -	0.065 U	0.073 U	0.062 UR	0.063 U	0.065 U	0.066 U	0.063 UJ	0.063 U	0.066 U	0.066 U	0.71 U	0.071 U [0.069 U]	0.068 U
Dimethylphthalate	- -	- -	0.060 U	0.068 U	0.057 UR	0.058 U	0.060 U	0.061 U	0.059 U	0.059 U	0.062 U	0.062 U	0.66 U	0.066 U [0.064 U]	0.063 U
Di-n-Butylphthalate	- -	- -	0.057 U	0.065 U	0.054 UR	0.055 U	0.057 U	0.058 U	0.056 U	0.056 U	0.059 U	0.058 U	0.62 U	0.063 U [0.061 U]	0.060 U
Di-n-Octylphthalate	- -	- -	0.064 U	0.072 U	0.061 UR	0.062 U	0.064 U	0.065 U	0.062 U	0.063 U	0.065 U	0.065 U	0.70 U	0.070 U [0.068 U]	0.067 U
Fluoranthene	100	1,000	0.056 U	1.7	0.053 UR	0.054 U	0.056 U	0.057 U	0.085 J	0.055 U	0.057 U	0.083 J	50 D	0.061 U [0.060 U]	0.058 U
Fluorene	100	386	0.063 U	1.4	0.060 UR	0.061 U	0.063 U	0.064 U	0.062 U	0.062 U	0.065 U	0.065 U	35 D	0.070 U [0.068 U]	0.066 U
Hexachlorobenzene	1.2	3.2	0.060 U	0.068 U	0.057 UR	0.058 U	0.060 U	0.061 U	0.058 U	0.059 U	0.061 U	0.061 U	0.65 U	0.066 U [0.064 U]	0.063 U
Indeno(1,2,3-cd)pyrene	0.5	8.2	0.048 U	0.19 J	0.045 UR	0.046 U	0.048 UJ	0.048 U	0.046 U	0.047 U	0.049 U	0.049 U	2.4 J	0.052 U [0.051 U]	0.050 U
Isophorone	- -	- -	0.056 U	0.064 U	0.054 UR	0.054 U	0.056 U	0.057 U	0.055 U	0.055 U	0.058 U	0.058 U	0.62 U	0.062 U [0.060 U]	0.059 U
Naphthalene	100	12	0.064 U	11 D	0.061 UR	0.062 U	0.064 U	0.065 U	0.082 J	0.063 U	0.37 J	0.066 U	**220 D**	0.071 U [0.068 U]	0.19 J
N-Nitrosodiphenylamine	- -	- -	0.062 U	0.070 U	0.059 UR	0.060 U	0.062 U	0.063 U	0.060 U	0.061 U	0.063 U	0.063 U	0.67 U	0.068 U [0.066 U]	0.065 U
NYSDOH BAP TEQ(-NDs Excluded)	- -	- -	ND	0.63	NA	ND	ND	ND	0.0044	ND	ND	0.011	24	ND [ND]	ND
Pentachlorophenol	6.7	0.8	0.087 U	0.098 U	0.083 UR	0.084 U	0.087 U	0.088 U	0.084 U	0.085 U	0.089 U	0.089 U	0.95 U	0.096 U [0.093 U]	0.091 U
Phenanthrene	100	1,000	0.060 U	3.8 JD	0.057 UR	0.058 U	0.083 J	0.061 U	0.11 J	0.059 U	0.065 J	0.071 J	110 D	0.066 U [0.064 U]	0.063 U
Phenol	100	0.33	0.057 U	0.064 U	0.054 UR	0.055 U	0.057 U	0.058 U	0.055 U	0.056 U	0.058 U	0.058 U	0.62 U	0.063 U [0.061 U]	0.059 U
Pyrene	100	1,000	0.066 U	1.8	0.063 UR	0.064 U	0.066 U	0.067 U	0.088 J	0.065 U	0.068 U	0.079 J	54 D	0.073 U [0.071 U]	0.069 U
Total SVOCs	- -	- -	0.27 J	32 J	R	0.27 J	0.083 J	0.25 J	0.41 J	0.084 J	0.53 J	0.34 J	720 J	ND [ND]	0.28 J
Total PAHs	500[1]	- -	ND	30 J	R	ND	0.083 J	ND	0.41 J	ND	0.53 J	0.34 J	680 J	ND [ND]	0.28 J
Diesel Range Organics (DRO)															
C10-C28 DRO	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diesel Range Organics (DRO)	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Page 23.

Table 9b. Summary of Soil Analytical Results for Detected SVOCs and DRO (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-5A 19 - 20 05/02/05	SB-5A 26 - 28 05/03/05	SB-5A 31 - 33 05/03/05	SB-5B 10 - 11 05/02/05	SB-5B 11 - 12 05/02/05	SB-5B 21 - 22 05/02/05	SB-6 10 - 12 05/12/05	SB-6 13 - 15 05/12/05	SB-6 19 - 21 05/12/05	SB-6 24 - 26 05/12/05	SB-6 28.5 - 30.5 05/12/05	SB-203 7 - 7.5 10/18/06
Semi Volatile Organics														
1,1-Biphenyl	- -	- -	0.062 U [0.063 U]	0.065 U	0.063 U	0.058 U	0.058 U	0.066 U	0.061 U	0.15 J	0.067 U	0.066 U [0.066 U]	0.054 U	NA
2,4-Dimethylphenol	- -	- -	0.060 U [0.061 U]	0.063 U	0.060 U	0.056 U	0.056 U	0.063 U	0.059 U	0.063 U	0.064 U	0.063 U [0.064 U]	0.052 U	0.22 U
2,4-Dinitrotoluene	- -	- -	0.056 U [0.057 U]	0.058 U	0.056 U	0.052 U	0.051 U	0.058 U	0.054 U	0.058 U	0.060 U	0.058 U [0.059 U]	0.048 U	0.076 U
2-Methylnaphthalene	- -	- -	0.063 U [0.064 U]	0.066 U	0.064 U	0.079 J	4.7 D	0.067 U	0.062 U	3.8 D	0.068 U	0.067 U [0.067 U]	0.055 U	0.24 J
2-Methylphenol	100	0.33	0.063 U [0.064 U]	0.066 U	0.063 U	0.059 U	0.058 U	0.066 U	0.061 U	0.066 U	0.067 U	0.066 U [0.067 U]	0.055 U	0.11 U
4-Chloroaniline	- -	- -	0.045 U [0.046 U]	0.047 U	0.045 U	0.042 U	0.042 U	0.047 U	0.044 U	0.047 U	0.048 U	0.047 U [0.048 U]	0.039 U	0.14 U
4-Chlorophenyl-phenylether	- -	- -	0.060 U [0.061 U]	0.062 U	0.060 U	0.056 U	0.055 U	0.063 U	0.058 U	0.063 U	0.064 U	0.063 U [0.063 U]	0.052 U	0.058 U
4-Methylphenol	100	0.33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.23 U
Acenaphthene	100	98	0.067 U [0.069 U]	0.070 U	0.068 U	0.063 U	0.062 U	0.071 U	0.066 U	0.070 U	0.072 U	0.071 U [0.071 U]	0.058 U	0.088 J
Acenaphthylene	100	107	0.061 U [0.063 U]	0.064 U	0.062 U	0.057 U	0.057 U	0.065 U	0.060 U	0.064 U	0.066 U	0.065 U [0.065 U]	0.053 U	0.052 U
Anthracene	100	1,000	0.057 U [0.058 U]	0.059 U	0.057 U	0.053 U	0.053 U	0.060 U	0.056 U	0.060 U	0.061 U	0.060 U [0.060 U]	0.050 U	0.42
Benzaldehyde	- -	- -	0.078 U [0.079 U]	0.081 U	0.078 U	0.073 U	0.072 U	0.082 U	0.076 U	0.081 U	0.083 U	0.082 U [0.082 U]	0.067 U	NA
Benzo(a)anthracene	1	1	0.053 U [0.054 U]	0.055 U	0.053 U	0.049 U	0.049 U	0.056 U	0.052 U	0.055 U	0.057 U	0.056 U [0.056 U]	0.046 U	**1.2**
Benzo(a)pyrene	1	22	0.061 U [0.062 U]	0.063 U	0.061 U	0.057 U	0.056 U	0.064 U	0.059 U	0.063 U	0.065 U	0.064 U [0.064 U]	0.052 U	1.5
Benzo(b)fluoranthene	1	1.7	0.042 U [0.042 U]	0.043 U	0.042 U	0.039 U	0.039 U	0.044 U	0.041 U	0.044 U	0.045 U	0.044 U [0.044 U]	0.036 U	0.84
Benzo(g,h,i)perylene	100	1,000	0.063 U [0.064 U]	0.065 U	0.063 U	0.058 U	0.058 U	0.066 U	0.061 U	0.065 U	0.067 U	0.066 U [0.066 U]	0.054 U	1.5
Benzo(k)fluoranthene	3.9	1.7	0.083 U [0.085 U]	0.087 U	0.084 U	0.078 U	0.077 U	0.088 U	0.081 U	0.087 U	0.089 U	0.088 U [0.088 U]	0.072 U	1.1
bis(2-Ethylhexyl)phthalate	- -	- -	0.073 U [0.074 U]	0.076 U	0.088 J	0.068 U	0.092 J	0.076 U	0.071 U	0.21 JB	0.16 J	0.17 J [0.14 JB]	0.063 U	0.059 J
Butylbenzylphthalate	- -	- -	0.061 U [0.062 U]	0.064 U	0.062 U	0.057 U	0.057 U	0.064 U	0.060 U	0.064 U	0.066 U	0.064 U [0.065 U]	0.053 U	0.054 U
Caprolactam	- -	- -	0.061 U [0.062 U]	0.063 U	0.061 U	0.057 U	0.056 U	0.064 U	0.059 U	0.064 U	0.065 U	0.064 U [0.064 U]	0.053 U	NA
Carbazole	- -	- -	0.058 U [0.059 U]	0.060 U	0.058 U	0.054 U	0.053 U	0.061 U	0.056 U	0.060 U	0.062 U	0.061 U [0.061 U]	0.050 U	0.15 J
Chrysene	3.9	1	0.068 U [0.069 U]	0.071 U	0.068 U	0.063 U	0.063 U	0.071 U	0.066 U	0.071 U	0.073 U	0.071 U [0.072 U]	0.059 U	**1.2**
Dibenzo(a,h)anthracene	0.33	1,000	0.048 U [0.048 U]	0.049 U	0.048 U	0.044 U	0.044 U	0.050 U	0.046 U	0.050 U	0.051 U	0.050 U [0.050 U]	0.041 U	0.46
Dibenzofuran	59	210	0.063 U [0.064 U]	0.065 U	0.063 U	0.058 U	0.058 U	0.066 U	0.061 U	0.065 U	0.067 U	0.066 U [0.066 U]	0.054 U	0.14 J
Diethylphthalate	- -	- -	0.065 U [0.066 U]	0.068 UJ	0.066 U	0.061 U	0.060 U	0.069 U	0.064 U	0.068 U	0.070 U	0.069 U [0.069 U]	0.057 U	0.062 U
Dimethylphthalate	- -	- -	0.061 U [0.062 U]	0.063 U	0.061 U	0.057 U	0.056 U	0.064 U	0.059 U	0.064 U	0.065 U	0.064 U [0.064 U]	0.053 U	0.064 U
Di-n-Butylphthalate	- -	- -	0.058 U [0.059 U]	0.060 U	0.070 J	0.054 U	0.053 U	0.061 U	0.056 U	0.060 U	0.062 U	0.061 U [0.061 U]	0.050 U	0.056 U
Di-n-Octylphthalate	- -	- -	0.064 U [0.066 U]	0.067 U	0.065 U	0.060 U	0.060 U	0.068 U	0.063 U	0.067 U	0.069 U	0.068 U [0.068 U]	0.056 U	0.044 U
Fluoranthene	100	1,000	0.056 U [0.057 U]	0.059 U	0.057 U	0.053 U	0.052 U	0.059 U	0.055 U	0.059 U	0.060 U	0.059 U [0.060 U]	0.049 U	1.0
Fluorene	100	386	0.064 U [0.065 U]	0.067 U	0.064 U	0.060 U	0.079 J	0.067 U	0.062 U	0.11 J	0.068 U	0.067 U [0.068 U]	0.055 U	0.17 J
Hexachlorobenzene	1.2	3.2	0.061 U [0.062 U]	0.063 U	0.061 U	0.057 U	0.056 U	0.064 U	0.059 U	0.063 U	0.065 U	0.064 U [0.064 U]	0.052 U	0.062 U
Indeno(1,2,3-cd)pyrene	0.5	8.2	0.048 U [0.049 U]	0.050 U	0.048 U	0.045 U	0.044 U	0.051 U	0.047 U	0.050 U	0.051 U	0.051 U [0.051 U]	0.042 U	1.7
Isophorone	- -	- -	0.057 U [0.058 U]	0.059 U	0.057 U	0.053 U	0.053 U	0.060 U	0.055 U	0.059 U	0.061 U	0.060 U [0.060 U]	0.049 U	0.076 U
Naphthalene	100	12	0.065 U [0.066 U]	0.067 U	0.065 U	0.073 J	6.9 DJ	0.068 U	0.063 U	6.6 D	0.069 U	0.068 U [0.068 U]	0.056 U	0.22 J
N-Nitrosodiphenylamine	- -	- -	0.062 U [0.063 U]	0.065 U	0.063 U	0.058 U	0.058 U	0.066 U	0.061 U	0.065 U	0.067 U	0.066 U [0.066 U]	0.054 U	0.063 U
NYSDOH BAP TEQ(-NDs Excluded)	- -	- -	ND [ND]	ND	ND	ND	ND	ND	ND	ND	ND	ND [ND]	ND	2.4
Pentachlorophenol	6.7	0.8	0.088 U [0.089 U]	0.091 U	0.088 U	0.082 U	0.081 U	0.092 U	0.085 U	0.092 U	0.094 U	0.092 U [0.093 U]	0.076 U	0.36 U
Phenanthrene	100	1,000	0.060 U [0.061 U]	0.063 U	0.061 U	0.056 U	0.10 J	0.063 U	0.059 U	0.12 J	0.065 U	0.063 U [0.064 U]	0.052 U	1.1
Phenol	100	0.33	0.057 U [0.058 U]	0.060 U	0.058 U	0.054 U	0.053 U	0.060 U	0.056 U	0.060 U	0.061 U	0.060 U [0.061 U]	0.050 U	0.12 U
Pyrene	100	1,000	0.067 U [0.068 U]	0.070 U	0.067 U	0.063 U	0.062 U	0.070 U	0.065 U	0.070 U	0.072 U	0.070 U [0.071 U]	0.058 U	1.3
Total SVOCs	- -	- -	ND [ND]	ND	0.16 J	0.15 J	12 J	ND	ND	11 J	0.16 J	0.17 J [0.14 J]	ND	14 J
Total PAHs	500[1]	- -	ND [ND]	ND	ND	0.15 J	12 J	ND	ND	11 J	ND	ND [ND]	ND	14 J
Diesel Range Organics (DRO)														
C10-C28 DRO	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diesel Range Organics (DRO)	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Page 23.

Table 9b. Summary of Soil Analytical Results for Detected SVOCs and DRO (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-203	SB-203	SB-203	SB-204	SB-204	SB-204	SB-205	SB-205	SB-205	SB-205	SB-208	SB-208	SB-208
Sample Depth(Feet):			17 - 17.5	24 - 24.5	28.5 - 29	6.5 - 7	13.5 - 14	30 - 30.5	1 - 2	4 - 5	8 - 8.5	17 - 17.5	2 - 3	9.5 - 10	19 - 20
Date Collected:			10/18/06	10/18/06	10/18/06	10/17/06	10/17/06	10/17/06	09/22/06	10/12/06	10/12/06	10/12/06	01/20/07	01/20/07	01/20/07
Semi Volatile Organics															
1,1-Biphenyl	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.37 U	0.42 U	0.52 U
2,4-Dimethylphenol	- -	- -	100 U	0.28 U	0.24 U	0.20 U [0.20 U]	0.20 U	0.24 U	0.35 U	0.36 U	7.2 U	0.38 U	0.37 U	0.42 U	0.52 U
2,4-Dinitrotoluene	- -	- -	37 U	0.096 U	0.084 U	0.069 U [0.068 U]	0.070 U	0.084 U	0.35 U	0.36 U	7.2 U	0.38 U	0.37 U	0.42 U	0.52 U
2-Methylnaphthalene	- -	- -	510	0.085 U	0.074 U	1.6 [1.4]	0.062 U	0.074 U	0.35 U	0.42 J	66	0.38 UJ	0.095 J	0.42 U	0.52 U
2-Methylphenol	100	0.33	54 U	0.14 U	0.12 U	0.10 U [0.10 U]	0.10 U	0.12 U	0.35 U	0.36 U	7.2 U	0.38 U	0.37 U	0.42 U	0.52 U
4-Chloroaniline	- -	- -	65 U	0.17 U	0.15 U	0.12 U [0.12 U]	0.12 U	0.15 U	0.35 U	0.36 U	7.2 U	0.38 U	0.37 U	0.42 U	0.52 U
4-Chlorophenyl-phenylether	- -	- -	28 U	0.074 UJ	0.064 U	0.053 U [0.052 U]	0.053 U	0.064 U	0.35 U	0.36 U	7.2 U	0.38 U	0.37 U	0.42 U	0.52 U
4-Methylphenol	100	0.33	110 U	0.29 U	0.25 U	0.21 U [0.20 U]	0.21 U	0.25 U	0.35 U	0.36 U	7.2 U	0.38 U	0.74 U	0.84 U	1.0 U
Acenaphthene	100	98	51 J	0.088 U	0.077 U	0.063 U [0.063 U]	0.064 U	0.077 U	0.35 U	0.36 U	1.5 J	0.38 U	0.24 J	0.42 U	0.52 U
Acenaphthylene	100	107	**210**	0.12 J	0.057 U	0.047 U [0.047 U]	0.048 U	0.057 U	0.35 U	0.086 J	7.2 U	0.38 U	0.068 J	0.42 U	0.52 U
Anthracene	100	1,000	210	0.088 U	0.077 U	0.063 U [0.063 U]	0.064 U	0.077 U	0.35 U	0.36 U	7.2 U	0.38 U	0.44	0.071 J	0.52 U
Benzaldehyde	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.37 U	0.42 U	0.52 U
Benzo(a)anthracene	1	1	**140 J**	0.072 UJ	0.063 U	0.052 U [0.051 U]	0.052 U	0.063 U	0.35 U	0.062 J	7.2 U	0.38 U	**1.2**	0.13 J	0.52 U
Benzo(a)pyrene	1	22	**97 J**	0.066 U	0.057 U	0.047 U [0.047 U]	0.048 U	0.057 U	0.35 U	0.077 J	7.2 U	0.38 U	1.3	0.14 J	0.52 U
Benzo(b)fluoranthene	1	1.7	57 U	0.15 U	0.13 U	0.11 U [0.11 U]	0.11 U	0.13 U	0.35 U	0.36 U	7.2 U	0.38 U	1.7	0.17 J	0.52 U
Benzo(g,h,i)perylene	100	1,000	38 J	0.059 U	0.052 U	0.042 U [0.042 U]	0.043 U	0.052 U	0.35 U	0.046 J	7.2 U	0.38 U	0.86 J	0.081 J	0.52 U
Benzo(k)fluoranthene	3.9	1.7	**70 J**	0.059 U	0.052 U	0.042 U [0.042 U]	0.043 U	0.052 U	0.35 U	0.36 U	7.2 U	0.38 U	0.60	0.42 U	0.52 U
bis(2-Ethylhexyl)phthalate	- -	- -	27 U	0.071 U	0.061 U	0.17 J [0.075 J]	0.068 J	0.061 U	0.28 J	0.38	7.2 U	0.064 J	0.37 U	0.13 J	0.52 U
Butylbenzylphthalate	- -	- -	26 U	0.069 U	0.060 U	0.049 U [0.049 U]	0.050 U	0.060 U	0.35 U	0.36 U	7.2 U	0.38 U	0.37 U	0.42 U	0.52 U
Caprolactam	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.37 UJ	0.42 UJ	0.52 UJ
Carbazole	- -	- -	92 J	0.079 U	0.068 U	0.056 U [0.056 U]	0.057 U	0.068 U	0.35 U	0.36 U	7.2 U	0.38 U	0.24 J	0.42 UJ	0.52 UJ
Chrysene	3.9	1	**120 J**	0.067 UJ	0.058 U	0.048 U [0.048 U]	0.049 U	0.059 U	0.35 U	0.062 J	7.2 U	0.38 U	**1.2**	0.13 J	0.52 U
Dibenzo(a,h)anthracene	0.33	1,000	23 U	0.059 U	0.052 U	0.042 U [0.042 U]	0.043 U	0.052 U	0.35 U	0.36 U	7.2 U	0.38 U	0.19 J	0.42 U	0.52 U
Dibenzofuran	59	210	140 J	0.085 UJ	0.074 U	0.061 U [0.060 U]	0.062 U	0.074 U	0.35 U	0.36 U	7.2 U	0.38 U	0.17 J	0.42 U	0.52 U
Diethylphthalate	- -	- -	30 U	0.079 U	0.068 U	0.056 U [0.056 U]	0.057 U	0.068 U	0.35 U	0.36 U	7.2 U	0.38 U	0.37 U	0.42 U	0.52 U
Dimethylphthalate	- -	- -	31 U	0.082 U	0.071 U	0.058 U [0.058 U]	0.059 U	0.071 U	0.35 U	0.36 U	7.2 U	0.38 U	0.37 U	0.42 U	0.52 U
Di-n-Butylphthalate	- -	- -	27 U	0.071 U	0.061 U	0.050 U [0.050 U]	0.051 U	0.061 U	0.35 U	0.36 U	7.2 U	0.38 U	0.37 U	0.42 U	0.52 U
Di-n-Octylphthalate	- -	- -	21 U	0.056 U	0.049 U	0.040 U [0.040 U]	0.041 U	0.049 U	0.35 U	0.36 U	7.2 U	0.38 U	0.37 U	0.42 U	0.52 U
Fluoranthene	100	1,000	340	0.067 U	0.058 U	0.048 U [0.048 U]	0.049 U	0.059 U	0.35 U	0.067 J	7.2 U	0.38 U	3.1	0.30 J	0.52 U
Fluorene	100	386	240	0.069 UJ	0.060 U	0.049 U [0.049 U]	0.050 U	0.060 U	0.35 U	0.36 U	3.5 J	0.38 U	0.25 J	0.42 U	0.52 U
Hexachlorobenzene	1.2	3.2	30 U	0.079 U	0.068 U	0.056 U [0.056 U]	0.057 U	0.068 U	0.35 U	0.36 U	7.2 U	0.38 U	0.37 U	0.42 U	0.52 U
Indeno(1,2,3-cd)pyrene	0.5	8.2	**34 J**	0.055 U	0.047 U	0.039 U [0.039 U]	0.039 U	0.047 U	0.35 U	0.053 J	7.2 U	0.38 U	0.88 J	0.089 J	0.52 U
Isophorone	- -	- -	37 U	0.096 U	0.084 U	0.069 U [0.068 U]	0.070 U	0.084 U	0.35 U	0.36 U	7.2 U	0.38 U	0.37 U	0.42 U	0.52 U
Naphthalene	100	12	**1,300**	0.28 J	0.079 U	0.68 [0.66]	0.066 U	0.080 U	0.35 U	0.16 J	**47**	0.38 U	0.15 J	0.42 U	0.52 U
N-Nitrosodiphenylamine	- -	- -	30 U	0.080 U	0.070 U	0.057 U [0.057 U]	0.058 U	0.070 U	0.35 U	0.36 U	7.2 U	0.38 U	0.37 U	0.42 U	0.52 U
NYSDOH BAP TEQ(-NDs Excluded)	- -	- -	120	ND	ND	ND [ND]	ND	ND	ND	0.089	ND	ND	1.9	0.18	ND
Pentachlorophenol	6.7	0.8	180 UJ	0.46 U	0.40 U	0.33 U [0.33 U]	0.33 U	0.40 U	1.7 UJ	1.8 UJ	35 UJ	1.8 UJ	0.74 U	0.84 U	1.0 U
Phenanthrene	100	1,000	680	0.063 J	0.054 U	0.045 U [0.044 U]	0.045 U	0.054 U	0.35 U	0.061 J	5.4 J	0.38 U	2.5	0.31 J	0.52 U
Phenol	100	0.33	59 U	0.16 U	0.14 U	0.11 U [0.11 U]	0.11 U	0.14 U	0.35 U	0.36 U	7.2 U	0.38 U	0.37 U	0.42 U	0.52 U
Pyrene	100	1,000	270	0.074 UJ	0.064 U	0.053 U [0.052 U]	0.053 U	0.064 U	0.051 J	0.063 J	1.2 J	0.38 U	2.5	0.23 J	0.52 U
Total SVOCs	- -	- -	4,500 J	0.46 J	ND	2.5 J [2.1 J]	0.068 J	ND	0.33 J	1.5 J	130 J	0.064 J	18 J	1.8 J	ND
Total PAHs	500[1]	- -	4,300 J	0.46 J	ND	2.3 [2.1]	ND	ND	0.051 J	1.2 J	130 J	ND	17 J	1.7 J	ND
Diesel Range Organics (DRO)															
C10-C28 DRO	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diesel Range Organics (DRO)	- -	- -	NA	NA	NA	38	NA	NA	NA	NA	3,700	NA	NA	NA	NA
Gasoline	- -	- -	NA	NA	NA	61 J	NA	NA	NA	NA	1,600	NA	NA	NA	NA

See Notes on Page 23.

Table 9b. Summary of Soil Analytical Results for Detected SVOCs and DRO (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-209	SB-209	SB-209	SB-210	SB-210	SB-210	SB-210	SB-210	MW/SB-213	MW/SB-213	SB-214	SB-214	SB-214	SB-214
Sample Depth(Feet):			9.4 - 10	11 - 13	19 - 20	7 - 9	11 - 13	21 - 23	25 - 27	36 - 37	8 - 9	19 - 20	5 - 7	9.5 - 10	11 - 13	19 - 20
Date Collected:			01/20/07	01/20/07	01/20/07	12/16/06	12/16/06	12/16/06	12/16/06	12/16/06	02/10/07	02/10/07	01/21/07	01/21/07	01/21/07	01/21/07
Semi Volatile Organics																
1,1-Biphenyl	- -	- -	0.39 U	0.39 U	0.49 U	0.38 U	0.43 U	0.42 U	0.43 U	0.40 U	0.34 J	0.50 U	0.35 U	0.38 U	0.38 U	0.50 U
2,4-Dimethylphenol	- -	- -	0.39 U	0.39 U	0.49 U	0.38 U	0.43 U	0.42 U	0.43 U	0.40 U	1.5 U	0.50 U	0.35 U	0.38 U	0.38 U	0.50 U
2,4-Dinitrotoluene	- -	- -	0.39 U	0.39 U	0.090 J	0.38 U	0.43 U	0.42 U	0.43 U	0.40 U	1.5 U	0.50 U	0.35 U	0.38 U	0.38 U	0.50 U
2-Methylnaphthalene	- -	- -	0.39 U	0.39 U	0.49 U	0.14 J	0.43 U	0.42 U	0.43 U	0.40 U	3.7	0.50 U	2.7	0.19 J	0.38 U	0.11 J
2-Methylphenol	100	0.33	0.39 U	0.39 U	0.49 U	0.38 U	0.43 U	0.42 U	0.43 U	0.40 U	1.5 U	0.50 U	0.35 U	0.38 U	0.38 U	0.50 U
4-Chloroaniline	- -	- -	0.39 U	0.39 U	0.49 U	0.38 U	0.43 U	0.42 U	0.43 U	0.40 U	1.5 U	0.50 U	0.35 U	0.38 U	0.38 U	0.50 U
4-Chlorophenyl-phenylether	- -	- -	0.39 U	0.39 U	0.085 J	0.38 U	0.43 U	0.42 U	0.43 U	0.40 U	1.5 U	0.50 U	0.35 U	0.38 U	0.38 U	0.50 U
4-Methylphenol	100	0.33	0.78 U	0.79 U	0.99 U	0.75 U	0.87 U	0.84 U	0.86 U	0.80 U	3.0 U	1.0 U	0.70 U	0.77 U	0.76 U	1.0 U
Acenaphthene	100	98	0.39 U	0.39 U	0.071 J	0.38 U	0.17 J	0.42 U	0.43 U	0.40 U	0.48 J	0.50 U	1.1	0.084 J	0.38 U	0.50 U
Acenaphthylene	100	107	0.39 U	0.39 U	0.49 U	0.38 U	0.088 J	0.42 U	0.43 U	0.40 U	1.5 U	0.50 U	0.35 U	0.38 U	0.38 U	0.50 U
Anthracene	100	1,000	0.39 U	0.39 U	0.12 J	0.13 J	0.091 J	0.42 U	0.43 U	0.40 U	0.52 J	0.50 U	0.81	0.075 J	0.38 U	0.50 U
Benzaldehyde	- -	- -	0.39 U	0.39 U	0.49 U	0.38 U	0.43 U	0.42 U	0.43 U	0.40 U	1.5 U	0.50 U	0.35 U	0.38 U	0.38 U	0.50 U
Benzo(a)anthracene	1	1	0.39 U	0.39 U	0.12 J	0.44	0.43 U	0.42 U	0.43 U	0.40 U	**1.2 J**	0.50 U	0.76	0.071 J	0.38 U	0.50 U
Benzo(a)pyrene	1	22	0.39 U	0.39 U	0.14 J	0.50 J	0.43 U	0.42 U	0.43 U	0.40 U	1.1 J	0.50 U	0.16 J	0.38 U	0.38 U	0.50 U
Benzo(b)fluoranthene	1	1.7	0.39 U	0.39 U	0.14 J	0.60	0.43 U	0.42 U	0.43 U	0.40 U	**2.0**	0.50 U	0.23 J	0.38 U	0.38 U	0.50 U
Benzo(g,h,i)perylene	100	1,000	0.39 U	0.39 U	0.13 J	0.30 J	0.43 U	0.42 U	0.43 U	0.40 U	0.87 J	0.50 U	0.091 J	0.38 U	0.38 U	0.50 U
Benzo(k)fluoranthene	3.9	1.7	0.39 U	0.39 U	0.15 J	0.55 J	0.43 U	0.42 U	0.43 U	0.40 U	1.0 J	0.50 U	0.35 U	0.38 U	0.38 U	0.50 U
bis(2-Ethylhexyl)phthalate	- -	- -	0.39 U	0.39 U	0.14 J	0.44 U	0.43 U	0.42 U	0.43 U	0.40 U	1.5 U	0.50 U	0.35 U	0.38 U	0.080 J	0.50 U
Butylbenzylphthalate	- -	- -	0.39 U	0.39 U	0.12 J	0.38 U	0.43 U	0.42 U	0.43 U	0.40 U	1.5 U	0.50 U	0.35 U	0.38 U	0.38 U	0.50 U
Caprolactam	- -	- -	0.39 UJ	0.39 UJ	0.49 UJ	0.21 J	0.43 U	0.42 U	0.43 U	0.40 U	1.5 U	0.50 U	0.35 UJ	0.38 U	0.38 UJ	0.50 UJ
Carbazole	- -	- -	0.39 UJ	0.39 UJ	0.11 J	0.38 U	0.12 J	0.42 U	0.43 U	0.40 U	1.5 U	0.50 U	0.35 UJ	0.38 U	0.38 UJ	0.50 UJ
Chrysene	3.9	1	0.39 U	0.39 U	0.12 J	0.51	0.43 U	0.42 U	0.43 U	0.40 U	**1.8**	0.50 U	0.74	0.070 J	0.38 U	0.50 U
Dibenzo(a,h)anthracene	0.33	1,000	0.39 U	0.39 U	0.12 J	0.15 J	0.43 U	0.42 U	0.43 U	0.40 U	0.23 J	0.50 U	0.046 J	0.38 U	0.38 U	0.50 U
Dibenzofuran	59	210	0.39 U	0.39 U	0.079 J	0.38 U	0.43 U	0.42 U	0.43 U	0.40 U	0.26 J	0.50 U	0.58	0.38 U	0.38 U	0.50 U
Diethylphthalate	- -	- -	0.39 U	0.39 U	0.14 J	0.38 U	0.43 U	0.42 U	0.43 U	0.40 U	1.5 U	0.50 U	0.35 U	0.38 U	0.38 U	0.50 U
Dimethylphthalate	- -	- -	0.39 U	0.39 U	0.10 J	0.38 U	0.43 U	0.42 U	0.43 U	0.40 U	1.5 U	0.50 U	0.35 U	0.38 U	0.38 U	0.50 U
Di-n-Butylphthalate	- -	- -	0.39 U	0.39 U	0.14 J	0.38 U	0.43 U	0.42 U	0.43 U	0.40 U	1.5 U	0.50 U	0.35 U	0.38 U	0.38 U	0.50 U
Di-n-Octylphthalate	- -	- -	0.39 U	0.39 U	0.14 J	0.38 UJ	0.43 U	0.42 U	0.43 U	0.40 U	0.59 J	0.50 U	0.35 U	0.38 U	0.38 U	0.50 U
Fluoranthene	100	1,000	0.39 U	0.39 U	0.13 J	0.72	0.43 U	0.42 U	0.43 U	0.40 U	2.5	0.50 U	1.1	0.075 J	0.38 U	0.50 U
Fluorene	100	386	0.39 U	0.39 U	0.096 J	0.38 U	0.43 U	0.42 U	0.43 U	0.40 U	0.69 J	0.50 U	0.89	0.38 U	0.38 U	0.50 U
Hexachlorobenzene	1.2	3.2	0.39 U	0.39 U	0.10 J	0.38 U	0.43 U	0.42 U	0.43 U	0.40 U	1.5 U	0.50 U	0.35 U	0.38 U	0.38 U	0.50 U
Indeno(1,2,3-cd)pyrene	0.5	8.2	0.39 U	0.39 U	0.13 J	0.27 J	0.43 U	0.42 U	0.43 U	0.40 U	1.0 J	0.50 U	0.093 J	0.38 U	0.38 U	0.50 U
Isophorone	- -	- -	0.39 U	0.39 U	0.49 U	0.38 U	0.43 U	0.42 U	0.43 U	0.40 U	1.5 U	0.50 U	0.35 U	0.38 U	0.38 U	0.50 U
Naphthalene	100	12	0.39 U	0.39 U	0.29 J	0.16 J	0.086 J	0.059 J	0.43 U	0.40 U	4.6	0.50 U	0.35 U	0.38 U	0.38 U	0.058 J
N-Nitrosodiphenylamine	- -	- -	0.39 U	0.39 U	0.49 U	0.38 U	0.43 U	0.42 U	0.43 U	0.40 U	1.5 U	0.50 U	0.35 U	0.38 U	0.38 U	0.50 U
NYSDOH BAP TEQ(-NDs Excluded)	- -	- -	ND	ND	0.30	0.79	ND	ND	ND	ND	1.8	ND	0.32	0.0078	ND	ND
Pentachlorophenol	6.7	0.8	0.78 U	0.79 U	0.073 J	0.75 U	0.87 U	0.84 U	0.86 U	0.80 U	3.0 UJ	1.0 UJ	0.70 U	0.77 U	0.76 U	1.0 U
Phenanthrene	100	1,000	0.39 U	0.39 U	0.11 J	0.51	0.43 U	0.42 U	0.43 U	0.40 U	3.1	0.50 U	2.8	0.23 J	0.38 U	0.50 U
Phenol	100	0.33	0.39 U	0.39 U	0.49 U	0.38 U	0.43 U	0.42 U	0.43 U	0.40 U	1.5 U	0.50 U	0.35 U	0.38 U	0.38 U	0.50 U
Pyrene	100	1,000	0.39 U	0.39 U	0.12 J	0.93 J	0.084 J	0.063 J	0.43 U	0.40 U	2.4	0.50 U	1.6	0.15 J	0.38 U	0.50 U
Total SVOCs	- -	- -	ND	ND	3.3 J	5.9 J	0.64 J	0.12 J	ND	ND	28 J	ND	14 J	0.95 J	0.080 J	0.17 J
Total PAHs	500[1]	- -	ND	ND	2.0 J	5.9 J	0.52 J	0.12 J	ND	ND	27 J	ND	13 J	0.95 J	ND	0.17 J
Diesel Range Organics (DRO)																
C10-C28 DRO	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diesel Range Organics (DRO)	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12,000	NA	NA	NA
Gasoline	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	278 J	NA	NA	NA

See Notes on Page 23.

Table 9b. Summary of Soil Analytical Results for Detected SVOCs and DRO (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: / Sample Depth(Feet): / Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-215 8 - 10 12/16/06	SB-215 14 - 16 12/16/06	SB-215 26 - 28 12/16/06	SB-215 30 - 32 12/16/06	SB-215 34 - 36 12/16/06	SB-216 15 - 16 06/29/06	SB-216 30 - 31 06/29/06	SB-216 50 - 51 06/29/06	MW/SB-219 5.5 - 6 10/17/06	MW/SB-219 10 - 10.5 10/17/06	MW/SB-219 32 - 32.5 10/17/06	SB-220 7.5 - 8 10/16/06	SB-220 21 - 21.5 10/16/06
Semi Volatile Organics															
1,1-Biphenyl	- -	- -	0.38 U	0.41 U	0.77 U	0.40 U	0.37 U	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	- -	- -	0.38 U	0.41 U	0.77 U	0.40 U	0.37 U	0.48	32 U	0.49 U	0.34 U	0.38 U	0.44 U	0.35 U	0.50 U
2,4-Dinitrotoluene	- -	- -	0.38 U	0.41 U	0.77 U	0.40 U	0.37 U	0.42 U	32 U	0.49 UJ	0.34 U	0.38 U	0.44 U	0.35 U	0.50 U
2-Methylnaphthalene	- -	- -	0.22 J	0.063 J	0.21 J	0.40 U	0.37 U	0.094 J	70	0.49 U	1.6	0.22 J	0.44 U	1.0	0.50 U
2-Methylphenol	100	0.33	0.38 U	0.41 U	0.77 U	0.40 U	0.37 U	0.18 J	32 U	0.49 U	0.34 U	0.38 U	0.44 U	0.35 U	0.50 U
4-Chloroaniline	- -	- -	0.38 U	0.41 U	0.77 U	0.40 U	0.37 U	0.42 U	32 U	0.49 U	0.34 U	0.38 U	0.44 U	0.35 U	0.50 U
4-Chlorophenyl-phenylether	- -	- -	0.38 U	0.41 U	0.77 U	0.40 U	0.37 U	0.42 U	32 U	0.49 U	0.34 U	0.38 U	0.44 U	0.35 U	0.50 U
4-Methylphenol	100	0.33	0.75 U	0.81 U	1.5 U	0.80 U	0.73 U	**0.53**	32 U	0.49 U	0.34 U	0.38 U	0.44 U	0.35 U	0.50 U
Acenaphthene	100	98	0.30 J	0.19 J	0.87 J	0.40 U	0.37 U	0.32 J	21 J	0.49 U	0.11 J	0.38 U	0.44 U	0.35 U	0.50 U
Acenaphthylene	100	107	0.10 J	0.073 J	0.22 J	0.40 U	0.37 U	0.70	55	0.081 J	0.34 U	0.38 U	0.44 U	0.35 U	0.50 U
Anthracene	100	1,000	0.68	0.18 J	1.5	0.40 U	0.37 U	2.0	54	0.49 U	0.059 J	0.38 U	0.44 U	0.35 U	0.50 U
Benzaldehyde	- -	- -	0.38 U	0.41 U	0.77 U	0.40 U	0.37 U	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	1	1	**1.3**	0.44	**2.9**	0.40 U	0.37 U	**3.4**	**66**	0.49 U	0.067 J	0.38 U	0.44 U	0.18 J	0.50 U
Benzo(a)pyrene	1	22	1.2	0.43	2.5	0.40 U	0.37 U	2.8	**54**	0.49 U	0.071 J	0.38 U	0.44 U	0.12 J	0.50 U
Benzo(b)fluoranthene	1	1.7	1.4	0.47	**2.6**	0.40 U	0.37 U	**1.9**	**37**	0.49 U	0.34 U	0.38 U	0.44 U	0.13 J	0.50 U
Benzo(g,h,i)perylene	100	1,000	0.38	0.18 J	0.71 J	0.40 U	0.37 U	1.2	32 J	0.49 U	0.088 J	0.38 UJ	0.44 UJ	0.087 J	0.50 UJ
Benzo(k)fluoranthene	3.9	1.7	1.2	0.38 J	**2.4**	0.40 U	0.37 U	**2.1**	**49**	0.49 U	0.055 J	0.38 U	0.44 U	0.12 J	0.50 U
bis(2-Ethylhexyl)phthalate	- -	- -	0.87	1.0	0.77 U	0.40 U	0.37 U	0.42 U	32 U	0.49 U	0.067 J	0.060 J	0.080 J	0.35 U	0.087 J
Butylbenzylphthalate	- -	- -	0.38 U	0.41 U	0.77 U	0.40 U	0.37 U	0.42 U	32 U	0.49 U	0.34 U	0.38 U	0.44 U	0.35 U	0.50 U
Caprolactam	- -	- -	0.38 U	0.41 U	0.77 U	0.40 U	0.37 U	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	- -	- -	0.26 J	0.088 J	0.70 J	0.40 U	0.37 U	0.18 J	30 J	0.49 U	0.34 U	0.38 U	0.44 U	0.35 U	0.50 U
Chrysene	3.9	1	**1.4**	0.47	**3.0**	0.40 U	0.37 U	**3.0**	**64**	0.49 U	0.075 J	0.38 U	0.44 U	0.20 J	0.50 U
Dibenzo(a,h)anthracene	0.33	1,000	0.12 J	0.051 J	0.25 J	0.40 U	0.37 U	0.35 J	6.4 J	0.49 U	0.34 U	0.38 UJ	0.44 UJ	0.35 UJ	0.50 UJ
Dibenzofuran	59	210	0.21 J	0.063 J	0.37 J	0.40 U	0.37 U	0.25 J	52	0.49 U	0.34 U	0.38 U	0.44 U	0.35 U	0.50 U
Diethylphthalate	- -	- -	0.38 U	0.41 U	0.77 U	0.40 U	0.37 U	0.42 U	32 U	0.49 U	0.34 U	0.38 U	0.44 U	0.35 U	0.50 U
Dimethylphthalate	- -	- -	0.38 U	0.41 U	0.77 U	0.40 U	0.37 U	0.42 U	32 U	0.49 U	0.34 U	0.38 U	0.44 U	0.35 U	0.50 U
Di-n-Butylphthalate	- -	- -	0.38 U	0.41 U	0.14 J	0.40 U	0.37 U	0.42 U	32 U	0.49 U	0.34 U	0.38 U	0.44 U	0.35 U	0.50 U
Di-n-Octylphthalate	- -	- -	0.38 U	0.41 U	0.77 U	0.40 U	0.37 U	0.42 U	32 U	0.49 U	0.34 U	0.38 UJ	0.44 UJ	0.35 UJ	0.50 UJ
Fluoranthene	100	1,000	3.4	0.86	7.1	0.40 U	0.37 U	6.6	180	0.49 U	0.088 J	0.38 U	0.44 U	0.38	0.50 U
Fluorene	100	386	0.35 J	0.15 J	0.57 J	0.40 U	0.37 U	0.26 J	64	0.49 U	0.16 J	0.38 U	0.44 U	0.076 J	0.50 U
Hexachlorobenzene	1.2	3.2	0.38 U	0.41 U	0.77 U	0.40 U	0.37 U	0.42 U	32 U	0.49 U	0.34 U	0.38 U	0.44 U	0.35 U	0.50 U
Indeno(1,2,3-cd)pyrene	0.5	8.2	0.44	0.19 J	0.91	0.40 U	0.37 U	1.6	**34**	0.49 U	0.083 J	0.38 UJ	0.44 UJ	0.12 J	0.50 UJ
Isophorone	- -	- -	0.38 U	0.41 U	0.77 U	0.40 U	0.37 U	0.42 U	32 U	0.49 U	0.34 U	0.38 U	0.44 U	0.35 U	0.50 U
Naphthalene	100	12	0.27 J	0.077 J	0.35 J	0.40 U	0.37 U	0.23 J	**210**	0.49 U	0.14 J	0.38 U	0.44 U	0.35 U	0.50 U
N-Nitrosodiphenylamine	- -	- -	0.38 U	0.41 U	0.77 U	0.40 U	0.37 U	0.42 U	32 U	0.49 U	0.19 J	0.38 U	0.44 U	0.35 U	0.50 U
NYSDOH BAP TEQ(-NDs Excluded)	- -	- -	1.7	0.60	3.5	ND	ND	3.9	75	ND	0.087	ND	ND	0.17	ND
Pentachlorophenol	6.7	0.8	0.75 U	0.81 U	1.5 U	0.80 U	0.73 U	2.0 U	160 U	2.4 U	1.6 U	1.8 U	2.1 U	1.7 U	2.4 U
Phenanthrene	100	1,000	3.0	0.60	5.8	0.40 U	0.37 U	2.9	270	0.49 U	0.34	0.38 U	0.44 U	0.34 J	0.50 U
Phenol	100	0.33	0.38 U	0.41 U	0.77 U	0.40 U	0.37 U	0.42 U	32 U	0.49 U	0.34 U	0.38 U	0.44 U	0.35 U	0.50 U
Pyrene	100	1,000	3.0	0.87	6.1	0.40 U	0.37 U	6.6	140	0.49 U	0.14 J	0.38 U	0.44 U	0.41	0.50 U
Total SVOCs	- -	- -	20 J	6.8 J	39 J	ND	ND	38 J	1,500 J	0.081 J	3.3 J	0.28 J	0.080 J	3.2 J	0.087 J
Total PAHs	500[1]	- -	19 J	5.7 J	38 J	ND	ND	36 J	1,400 J	0.081 J	3.1 J	0.22 J	ND	3.2 J	ND
Diesel Range Organics (DRO)															
C10-C28 DRO	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diesel Range Organics (DRO)	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	850 J	NA

See Notes on Page 23.

Table 9b. Summary of Soil Analytical Results for Detected SVOCs and DRO (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-221 2 - 4 01/20/07	SB-221 6 - 8 01/20/07	SB-221 9.5 - 10 01/20/07	SB-221 24 - 25 01/20/07	SB-222 1 - 3 01/21/07	SB-222 7.5 - 8.5 01/21/07	SB-222 15 - 17 01/21/07	SB-222 19 - 20 01/21/07	SB-223 12.5 - 13 10/13/06	SB-223 17.5 - 18 10/13/06	SB-223 28 - 28.5 10/13/06	SB-223 32 - 32.5 10/13/06	MW/SB-224 8 - 8.5 10/12/06
Semi Volatile Organics															
1,1-Biphenyl	- -	- -	0.37 U	4.3 U	0.40 U	0.48 U	2.0	0.39 U	0.40 U	0.51 U	NA	NA	NA	NA	NA
2,4-Dimethylphenol	- -	- -	0.37 U	4.3 U	0.40 U	0.48 U	0.38 U	0.39 U	0.40 U	0.51 U	0.36 U [0.38 U]	0.46 U	72 U	0.41 U	0.69 U
2,4-Dinitrotoluene	- -	- -	0.37 U	4.3 U	0.40 U	0.48 U	0.38 U	0.39 U	0.40 U	0.51 U	0.36 U [0.38 U]	0.46 U	72 U	0.41 U	0.69 U
2-Methylnaphthalene	- -	- -	0.096 J	4.3 U	0.21 J	0.48 U	74 D	0.27 J	0.11 J	0.12 J	2.2 J [1.9]	0.46 UJ	72 U	0.41 U	4.2
2-Methylphenol	100	0.33	0.37 U	4.3 U	0.40 U	0.48 U	0.38 U	0.39 U	0.40 U	0.51 U	0.36 U [0.38 U]	0.46 U	72 U	0.41 U	0.69 U
4-Chloroaniline	- -	- -	0.37 U	4.3 U	0.40 U	0.48 U	0.38 U	0.39 U	0.40 U	0.51 U	0.36 U [0.19 J]	0.46 U	72 U	0.41 U	0.69 U
4-Chlorophenyl-phenylether	- -	- -	0.37 U	4.3 U	0.40 U	0.48 U	0.38 U	0.39 U	0.40 U	0.51 U	0.36 U [0.38 U]	0.46 U	72 U	0.41 U	0.69 U
4-Methylphenol	100	0.33	0.74 U	8.6 U	0.80 U	0.96 U	0.77 U	0.79 U	0.80 U	1.0 U	0.36 U [0.38 U]	0.46 U	72 U	0.41 U	0.69 U
Acenaphthene	100	98	0.30 J	2.4 J	0.099 J	0.48 U	1.1	0.39 U	0.40 U	0.51 U	0.36 U [0.38 U]	0.46 U	26 J	0.87	0.83
Acenaphthylene	100	107	0.37 J	4.3 U	0.40 U	0.48 U	0.38 U	0.39 U	0.40 U	0.51 U	1.0 [0.84]	0.46 U	56 J	0.32 J	0.37 J
Anthracene	100	1,000	1.2	4.3 U	0.40 U	0.48 U	0.21 J	0.39 U	0.40 U	0.51 U	0.77 [0.62]	0.46 U	130	0.41 U	0.87
Benzaldehyde	- -	- -	0.37 U	1.6 J	0.40 U	0.48 U	0.38 U	0.39 U	0.40 U	0.51 U	NA	NA	NA	NA	NA
Benzo(a)anthracene	1	1	**6.0 D**	4.3 U	0.40 U	0.48 U	0.59	0.39 U	0.40 U	0.51 U	0.99 [0.80]	0.46 U	**110**	0.41 U	0.40 J
Benzo(a)pyrene	1	22	8.4 D	4.3 U	0.40 U	0.48 U	1.4	0.39 U	0.40 U	0.51 U	0.89 [0.71]	0.46 U	**82**	0.41 U	0.28 J
Benzo(b)fluoranthene	1	1.7	**8.7 D**	4.3 U	0.40 U	0.48 U	1.3	0.39 U	0.40 U	0.51 U	0.70 [0.63]	0.46 U	**49 J**	0.41 U	0.21 J
Benzo(g,h,i)perylene	100	1,000	5.3 J	4.3 U	0.40 U	0.48 U	1.1	0.39 U	0.40 U	0.51 U	0.30 J [0.25 J]	0.46 U	39 J	0.41 U	0.20 J
Benzo(k)fluoranthene	3.9	1.7	**4.2 D**	4.3 U	0.40 U	0.48 U	0.65	0.39 U	0.40 U	0.51 U	0.65 [0.45]	0.46 U	**63 J**	0.41 U	0.18 J
bis(2-Ethylhexyl)phthalate	- -	- -	0.086 J	4.3 U	0.40 U	0.11 J	0.82	0.39 U	0.40 U	0.51 U	0.36 U [0.38 U]	0.46 U	72 U	0.41 U	0.69 U
Butylbenzylphthalate	- -	- -	0.37 U	4.3 U	0.40 U	0.48 U	0.38 U	0.39 U	0.40 U	0.51 U	0.36 U [0.38 U]	0.46 U	72 U	0.082 J	0.69 U
Caprolactam	- -	- -	0.37 UJ	4.3 UJ	0.40 UJ	0.48 UJ	0.38 UJ	0.39 UJ	0.40 UJ	0.51 UJ	NA	NA	NA	NA	NA
Carbazole	- -	- -	0.37 J	4.3 UJ	0.40 UJ	0.48 UJ	0.29 J	0.39 UJ	0.40 UJ	0.51 UJ	0.33 J [0.25 J]	0.46 U	13 J	0.41 U	0.69 U
Chrysene	3.9	1	**5.8 D**	4.3 U	0.40 U	0.48 U	0.73	0.39 U	0.40 U	0.51 U	1.0 [0.80]	0.46 U	**100**	0.41 U	0.56 J
Dibenzo(a,h)anthracene	0.33	1,000	1.6	4.3 U	0.40 U	0.48 U	0.24 J	0.39 U	0.40 U	0.51 U	0.11 J [0.083 J]	0.46 U	72 U	0.41 U	0.69 U
Dibenzofuran	59	210	0.20 J	1.6 J	0.40 U	0.48 U	0.38 U	0.39 U	0.40 U	0.51 U	0.15 J [0.11 J]	0.46 U	56 J	0.16 J	0.69 U
Diethylphthalate	- -	- -	0.37 U	4.3 U	0.40 U	0.48 U	0.38 U	0.39 U	0.40 U	0.51 U	0.36 U [0.38 U]	0.46 U	72 U	0.41 U	0.69 U
Dimethylphthalate	- -	- -	0.37 U	4.3 U	0.40 U	0.48 U	0.38 U	0.39 U	0.40 U	0.51 U	0.36 U [0.38 U]	0.46 U	72 U	0.41 U	0.69 U
Di-n-Butylphthalate	- -	- -	0.37 U	4.3 U	0.40 U	0.48 U	0.38 U	0.39 U	0.40 U	0.51 U	0.36 U [0.38 U]	0.46 U	72 U	0.41 U	0.69 U
Di-n-Octylphthalate	- -	- -	0.37 U	4.3 U	0.40 U	0.48 U	0.38 U	0.39 U	0.40 U	0.51 U	0.36 U [0.38 U]	0.46 U	72 U	0.41 U	0.69 U
Fluoranthene	100	1,000	7.6 D	0.82 J	0.40 U	0.48 U	0.87	0.39 U	0.40 U	0.51 U	2.1 [1.7]	0.46 U	230	0.41 U	0.81
Fluorene	100	386	0.32 J	6.2	0.20 J	0.48 U	2.0	0.39 U	0.40 U	0.51 U	0.27 J [0.25 J]	0.46 U	110	0.058 J	1.9
Hexachlorobenzene	1.2	3.2	0.37 U	4.3 U	0.40 U	0.48 U	0.38 U	0.39 U	0.40 U	0.51 U	0.36 U [0.38 U]	0.46 U	72 U	0.41 U	0.69 U
Indeno(1,2,3-cd)pyrene	0.5	8.2	5.7 JD	4.3 U	0.40 U	0.48 U	1.3	0.39 U	0.40 U	0.51 U	0.39 [0.30 J]	0.46 U	**35 J**	0.41 U	0.15 J
Isophorone	- -	- -	0.37 U	4.3 U	0.40 U	0.48 U	0.38 U	0.39 U	0.40 U	0.51 U	0.36 U [0.38 U]	0.46 U	72 U	0.41 U	0.69 U
Naphthalene	100	12	0.19 J	4.3 U	0.40 U	0.48 U	**42 D**	0.13 J	0.099 J	0.17 J	0.57 [0.49]	0.47	**15 J**	0.41 U	0.69 U
N-Nitrosodiphenylamine	- -	- -	0.37 U	4.3 U	0.40 U	0.48 U	2.2	0.39 U	0.40 U	0.51 U	0.36 U [0.38 U]	0.46 U	72 U	0.41 U	0.69 U
NYSDOH BAP TEQ(-NDs Excluded)	- -	- -	12	ND	ND	ND	2.0	ND	ND	ND	1.2 [0.98]	ND	100	ND	0.36
Pentachlorophenol	6.7	0.8	0.74 U	8.6 U	0.80 U	0.96 U	0.77 U	0.79 U	0.80 U	1.0 U	1.8 UJ [1.8 UJ]	2.3 UJ	350 UJ	2.0 UJ	3.3 UJ
Phenanthrene	100	1,000	3.2	12	0.34 J	0.48 U	3.8	0.39 U	0.40 U	0.51 U	0.77 [0.64]	0.46 U	360	0.14 J	7.7
Phenol	100	0.33	0.37 U	4.3 U	0.40 U	0.48 U	0.38 U	0.39 U	0.40 U	0.51 U	0.36 U [0.38 U]	0.46 U	72 U	0.41 U	0.69 U
Pyrene	100	1,000	5.8 D	1.4 J	0.070 J	0.48 U	1.3	0.39 U	0.40 U	0.51 U	1.6 [1.3]	0.46 U	240	0.41 U	2.5
Total SVOCs	- -	- -	65 J	24 J	0.92 J	0.11 J	140 J	0.40 J	0.21 J	0.29 J	15 J [12 J]	0.47	1,700 J	1.6 J	21 J
Total PAHs	500[1]	- -	65 J	23 J	0.92 J	ND	130 J	0.40 J	0.21 J	0.29 J	14 J [12 J]	0.47	1,700 J	1.4 J	21 J
Diesel Range Organics (DRO)															
C10-C28 DRO	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diesel Range Organics (DRO)	- -	- -	NA	NA	NA	NA	13,000	NA	NA	NA	140 J	NA	NA	NA	NA
Gasoline	- -	- -	NA	NA	NA	NA	1,170	NA	NA	NA	170 J	NA	NA	NA	NA

See Notes on Page 23.

Table 9b. Summary of Soil Analytical Results for Detected SVOCs and DRO (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	MW/SB-224	MW/SB-224	SB-226	SB-226	SB-226	SB-227	SB-227	SB-227	SB-227	SB-228	SB-228	SB-228	SB-228
Sample Depth(Feet):			34.5 - 35	37.5 - 38	9 - 9.5	32 - 32.5	33.5 - 34	4.5 - 5	6.8 - 7.3	24 - 24.5	29 - 29.5	8 - 8.5	14 - 14.5	28 - 28.5	47 - 47.5
Date Collected:			10/12/06	10/12/06	10/14/06	10/14/06	10/14/06	09/20/06	10/18/06	10/19/06	10/19/06	10/19/06	10/19/06	10/19/06	10/19/06
Semi Volatile Organics															
1,1-Biphenyl	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	- -	- -	84 U	0.43 U	0.41 U	2.5 U [0.97 U]	0.48 U	1.5 U	0.41 U	7.4 J	0.45 J	0.19 U	0.22 U	0.20 U	0.22 U
2,4-Dinitrotoluene	- -	- -	84 U	0.43 U	0.41 U	2.5 UJ [0.97 U]	0.48 U	1.5 U	0.14 U	2.1 U	0.088 UJ	0.067 U	0.076 U	0.071 U	0.077 U
2-Methylnaphthalene	- -	- -	47 J	0.24 J	0.41 U	1.4 J [0.43 J]	0.48 U	0.37 J	0.29 J	25	0.077 U	0.059 U	0.067 U	0.063 U	0.068 U
2-Methylphenol	100	0.33	84 U	0.43 U	0.41 U	2.5 U [0.97 U]	0.48 U	1.5 U	0.21 U	3.1 U	0.13 U	0.099 U	0.11 U	0.11 U	0.11 U
4-Chloroaniline	- -	- -	84 U	0.43 U	0.41 U	2.5 U [0.97 U]	0.48 U	1.5 U	0.25 U	3.7 U	0.16 U	0.12 U	0.14 U	0.13 U	0.14 U
4-Chlorophenyl-phenylether	- -	- -	84 U	0.43 U	0.41 U	2.5 UJ [0.97 U]	0.48 U	1.5 U	0.11 U	1.6 U	0.067 UJ	0.051 U	0.059 U	0.054 U	0.059 U
4-Methylphenol	100	0.33	84 U	0.43 U	0.41 U	2.5 U [0.97 U]	0.48 U	1.5 U	0.42 U	6.3 U	0.26 U	0.20 U	0.23 U	0.21 U	0.23 U
Acenaphthene	100	98	**230**	0.52	0.43	2.2 J [1.2]	0.48 U	1.5 U	0.97	2.5 J	0.080 U	0.061 U	0.16 J	0.065 U	0.070 U
Acenaphthylene	100	107	57 J	0.14 J	0.41 U	4.0 J [0.64 J]	0.48 U	1.1 J	1.1	6.9 J	0.060 U	0.045 U	0.052 U	0.048 U	0.052 U
Anthracene	100	1,000	210	0.59	0.41 U	17 J [5.5 J]	0.48 U	2.5	2.8	7.3 J	0.080 U	0.061 U	0.070 U	0.065 U	0.070 U
Benzaldehyde	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	1	1	**160**	0.43 J	0.41 U	**23 J [6.2 J]**	0.48 U	**15**	**5.7**	**4.6 J**	0.066 UJ	0.050 U	0.072 J	0.053 U	0.058 U
Benzo(a)pyrene	1	22	**120**	0.31 J	0.41 U	17 J [4.3 J]	0.48 U	19	5.2	3.4 J	0.060 U	0.045 U	0.077 J	0.048 U	0.052 U
Benzo(b)fluoranthene	1	1.7	**64 J**	0.18 J	0.41 U	**13 J [2.7 J]**	0.48 U	**12**	**3.0**	3.2 U	0.14 U	0.10 U	0.12 U	0.11 U	0.12 U
Benzo(g,h,i)perylene	100	1,000	58 J	0.095 J	0.41 UJ	6.8 [2.8]	0.48 U	18	3.9	1.3 U	0.054 U	0.041 U	0.077 J	0.044 U	0.047 U
Benzo(k)fluoranthene	3.9	1.7	**85**	0.23 J	0.41 U	**8.9 [3.4]**	0.48 U	**12**	**3.9**	**2.5 J**	0.054 U	0.041 U	0.061 J	0.044 U	0.047 U
bis(2-Ethylhexyl)phthalate	- -	- -	84 U	0.064 J	0.41 U	2.5 U [0.97 U]	0.080 J	1.5 U	0.10 U	1.5 U	0.064 U	0.049 U	0.056 U	0.052 U	0.056 U
Butylbenzylphthalate	- -	- -	84 U	0.43 U	0.41 U	2.5 U [0.97 U]	0.48 U	1.5 U	0.10 U	1.5 U	0.063 U	0.048 U	0.055 U	0.051 U	0.055 U
Caprolactam	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	- -	- -	61 J	0.20 J	0.41 U	2.3 J [0.77 J]	0.48 U	0.70 J	0.51 J	7.3 J	0.072 U	0.054 U	0.062 U	0.058 U	0.063 U
Chrysene	3.9	1	**140**	0.38 J	0.41 U	**19 J [5.3 J]**	0.48 U	**14**	**5.1**	**4.3 J**	0.061 UJ	0.047 U	0.064 J	0.050 U	0.054 U
Dibenzo(a,h)anthracene	0.33	1,000	16 J	0.43 U	0.41 UJ	1.7 J [0.59 J]	0.48 U	5.3	1.1	1.3 U	0.054 U	0.041 U	0.047 U	0.044 U	0.047 U
Dibenzofuran	59	210	150	0.35 J	0.41 U	3.1 J [1.2]	0.48 U	0.28 J	0.79	7.0 J	0.077 UJ	0.059 U	0.067 U	0.063 U	0.068 U
Diethylphthalate	- -	- -	84 U	0.43 U	0.41 U	2.5 UJ [0.97 U]	0.48 U	1.5 U	0.12 U	1.7 U	0.072 U	0.054 U	0.062 U	0.058 U	0.063 U
Dimethylphthalate	- -	- -	84 U	0.43 U	0.41 U	2.5 U [0.97 U]	0.48 U	1.5 U	0.12 U	1.8 U	0.074 U	0.057 U	0.065 U	0.060 U	0.065 U
Di-n-Butylphthalate	- -	- -	84 U	0.43 U	0.41 U	2.5 U [0.97 U]	0.48 U	1.5 U	0.10 U	1.5 U	0.064 U	0.049 U	0.056 U	0.052 U	0.056 U
Di-n-Octylphthalate	- -	- -	84 U	0.43 U	0.41 UJ	2.5 U [0.97 U]	0.48 U	1.5 U	0.083 U	1.2 U	0.051 U	0.039 U	0.045 U	0.041 U	0.045 U
Fluoranthene	100	1,000	330	0.83	0.057 J	34 J [11 J]	0.48 U	14	8.2	9.6 J	0.061 U	0.047 U	0.077 J	0.050 U	0.054 U
Fluorene	100	386	260	0.64	0.41 U	6.0 J [2.1]	0.48 U	0.44 J	1.4	13	0.063 UJ	0.048 U	0.055 U	0.051 U	0.055 U
Hexachlorobenzene	1.2	3.2	84 U	0.43 U	0.41 U	2.5 U [0.97 U]	0.48 U	1.5 U	0.12 U	1.7 U	0.072 U	0.054 U	0.062 U	0.058 U	0.063 U
Indeno(1,2,3-cd)pyrene	0.5	8.2	**50 J**	0.083 J	0.41 UJ	7.9 [3.1]	0.48 U	**18**	3.4	1.4 J	0.050 U	0.038 U	0.081 J	0.040 U	0.043 U
Isophorone	- -	- -	84 U	0.43 U	0.41 U	2.5 U [0.97 U]	0.48 U	1.5 U	0.14 U	2.1 U	0.088 U	0.067 U	0.076 U	0.071 U	0.077 U
Naphthalene	100	12	**410**	0.59	0.41 U	6.6 [2.6]	0.15 J	0.83 J	1.2	**110**	0.083 U	0.063 U	0.15 J	0.067 U	0.073 U
N-Nitrosodiphenylamine	- -	- -	84 U	0.43 U	0.41 U	2.5 U [0.97 U]	0.48 U	1.5 U	0.12 U	1.7 U	0.073 U	0.055 U	0.064 U	0.059 U	0.064 U
NYSDOH BAP TEQ(-NDs Excluded)	- -	- -	170	0.39	ND	23 [6.2]	ND	29	7.6	4.1	ND	ND	0.094	ND	ND
Pentachlorophenol	6.7	0.8	410 UJ	2.1 UJ	2.0 U	12 U [4.7 U]	2.3 U	7.1 UJ	0.68 UJ	10 UJ	0.42 U	0.32 U	0.37 U	0.34 U	0.37 U
Phenanthrene	100	1,000	690	1.8	0.41 U	32 [14]	0.48 U	5.8	1.7	23	0.057 U	0.043 U	0.084 J	0.046 U	0.050 U
Phenol	100	0.33	84 U	0.43 U	0.41 U	2.5 U [0.97 U]	0.48 U	1.5 U	0.23 U	3.4 U	0.14 U	0.11 U	0.12 U	0.11 U	0.12 U
Pyrene	100	1,000	350	1.0	0.17 J	30 J [13]	0.48 U	18	9.6	9.1 J	0.067 UJ	0.051 U	0.12 J	0.054 U	0.059 U
Total SVOCs	- -	- -	3,500 J	8.7 J	0.66 J	240 J [81 J]	0.23 J	160 J	60 J	240 J	0.45 J	ND	1.0 J	ND	ND
Total PAHs	500[1]	- -	3,300 J	8.1 J	0.66 J	230 J [79 J]	0.15 J	160 J	59 J	220 J	ND	ND	1.0 J	ND	ND
Diesel Range Organics (DRO)															
C10-C28 DRO	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diesel Range Organics (DRO)	- -	- -	NA	NA	NA	NA	NA	NA	1,700	NA	NA	NA	NA	NA	NA
Gasoline	- -	- -	NA	NA	NA	NA	NA	NA	70 J	NA	NA	NA	NA	NA	NA

See Notes on Page 23.

Table 9b. Summary of Soil Analytical Results for Detected SVOCs and DRO (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-229	SB-229	MW/SB-231	MW/SB-231	MW/SB-231	MW/SB-231	MW/SB-232B	MW/SB-232B	MW/SB-232B	MW/SB-232B	MW/SB-232B
Sample Depth(Feet):			7 - 8	29 - 30	7 - 8	32 - 35	44 - 45	47 - 48	0 - 3	9 - 9.5	16 - 18	30.5 - 31	32 - 34
Date Collected:			03/03/07	03/03/07	06/29/06	06/29/06	06/29/06	06/29/06	01/16/07	01/16/07	01/16/07	01/16/07	01/16/07
Semi Volatile Organics													
1,1-Biphenyl	- -	- -	0.38 U	0.41 U	NA	NA	NA	NA	1.6 U	1.7 U	12 D	1.4 J	0.49 U
2,4-Dimethylphenol	- -	- -	0.38 U	0.41 U	0.38 U	8.7 U	430 U	0.48 U	1.6 U	1.7 U	1.5 U	1.6 U	0.49 U
2,4-Dinitrotoluene	- -	- -	0.38 U	0.41 U	0.38 U	8.7 UJ	430 UJ	0.48 U	1.6 U	1.7 U	1.5 U	1.6 U	0.49 U
2-Methylnaphthalene	- -	- -	0.38 U	0.41 U	0.38 U	19	1,100	0.93	0.61 J	1.7 U	18 D	14 D	0.49 U
2-Methylphenol	100	0.33	0.38 U	0.41 U	0.38 U	8.7 U	430 U	0.48 U	1.6 U	1.7 U	1.5 U	1.6 U	0.49 U
4-Chloroaniline	- -	- -	0.38 U	0.41 U	0.38 U	8.7 U	430 U	0.48 U	1.6 U	1.7 U	1.5 U	1.6 U	0.49 U
4-Chlorophenyl-phenylether	- -	- -	0.38 U	0.41 U	0.38 U	8.7 U	430 U	0.48 U	1.6 U	1.7 U	1.5 U	1.6 U	0.49 U
4-Methylphenol	100	0.33	0.77 U	0.81 U	0.38 U	8.7 UJ	430 UJ	0.48 U	3.1 U	3.3 U	3.1 U	3.3 U	0.97 U
Acenaphthene	100	98	0.38 U	0.41 U	0.38 U	14	**190 J**	0.39 J	0.78 J	18	28 D	21 D	0.49 U
Acenaphthylene	100	107	0.38 U	0.41 U	0.38 U	5.6 J	**210 J**	0.66	0.49 J	11	6.7	7.8	0.49 U
Anthracene	100	1,000	0.38 U	0.41 U	0.38 U	15	310 J	0.62	2.3	18	38 D	49 D	0.49 U
Benzaldehyde	- -	- -	0.38 UJ	0.41 U	NA	NA	NA	NA	1.6 U	1.7 U	1.5 U	1.6 U	0.49 U
Benzo(a)anthracene	1	1	0.38 U	0.41 U	0.060 J	**26**	**330 J**	0.54	**13**	**64 D**	**37 D**	**53 D**	0.49 U
Benzo(a)pyrene	1	22	0.38 U	0.41 U	0.38 U	**28**	**250 J**	0.35 J	16	**53 D**	**36 D**	**52 D**	0.49 U
Benzo(b)fluoranthene	1	1.7	0.38 U	0.41 U	0.38 U	**18**	**160 J**	0.18 J	**22**	**51 D**	**34 D**	**52 D**	0.49 U
Benzo(g,h,i)perylene	100	1,000	0.38 U	0.41 U	0.067 J	20	92 J	0.14 J	11	20	15	24 D	0.49 U
Benzo(k)fluoranthene	3.9	1.7	0.38 U	0.41 U	0.38 U	**19**	**180 J**	0.22 J	**6.5**	**25 D**	**13**	**17**	0.49 U
bis(2-Ethylhexyl)phthalate	- -	- -	0.38 U	0.41 U	0.38 U	8.7 U	430 U	0.48 U	0.35 J	1.7 U	1.5 U	1.6 U	0.49 U
Butylbenzylphthalate	- -	- -	0.38 U	0.41 U	0.38 U	8.7 U	430 U	0.48 U	1.6 U	1.7 UJ	1.5 U	1.6 U	0.49 U
Caprolactam	- -	- -	0.38 U	0.41 U	NA	NA	NA	NA	1.6 UJ	1.7 UJ	1.5 UJ	1.6 UJ	0.49 UJ
Carbazole	- -	- -	0.38 U	0.073 J	0.38 U	5.7 J	130 J	0.23 J	0.92 J	0.67 J	27 D	7.1	0.49 U
Chrysene	3.9	1	0.38 U	0.41 U	0.059 J	**26**	**300 J**	0.46 J	**12**	**55 D**	**38 D**	**49 D**	0.49 U
Dibenzo(a,h)anthracene	0.33	1,000	0.38 U	0.41 U	0.38 UJ	5.7 J	430 U	0.48 UJ	2.3	5.0	3.7	5.8	0.49 U
Dibenzofuran	59	210	0.38 U	0.41 U	0.38 U	14	**270 J**	0.35 J	0.48 J	14	43 D	26 D	0.49 U
Diethylphthalate	- -	- -	0.38 U	0.41 U	0.38 U	8.7 U	430 U	0.48 U	1.6 U	1.7 U	1.5 U	1.6 U	0.49 U
Dimethylphthalate	- -	- -	0.38 U	0.41 U	0.38 U	8.7 U	430 U	0.48 U	1.6 U	1.7 U	1.5 U	1.6 U	0.49 U
Di-n-Butylphthalate	- -	- -	0.38 U	0.41 U	0.38 U	8.7 U	430 U	0.48 U	1.6 U	1.7 U	1.5 U	1.6 U	0.49 U
Di-n-Octylphthalate	- -	- -	0.38 U	0.41 U	0.38 U	8.7 U	430 U	0.48 U	1.6 U	1.7 U	1.5 U	1.6 U	0.49 U
Fluoranthene	100	1,000	0.38 U	0.41 U	0.061 J	41	530	1.0	18	150 D	110 D	140 D	0.11 J
Fluorene	100	386	0.38 U	0.41 U	0.38 U	19	**530**	0.62	0.83 J	16	78 D	55 D	0.49 U
Hexachlorobenzene	1.2	3.2	0.38 U	0.41 U	0.38 U	8.7 U	430 U	0.48 U	1.6 U	1.7 U	1.5 U	1.6 U	0.49 U
Indeno(1,2,3-cd)pyrene	0.5	8.2	0.38 U	0.41 U	0.067 J	**18**	**100 J**	0.18 J	**11**	**20**	**15**	**26 D**	0.49 U
Isophorone	- -	- -	0.38 U	0.41 U	0.38 U	8.7 U	430 U	0.48 U	1.6 U	1.7 U	1.5 U	1.6 U	0.49 U
Naphthalene	100	12	0.38 U	0.41 U	0.38 U	**54**	**3,300**	5.3	0.59 J	1.7 U	**140 D**	**18 D**	0.51
N-Nitrosodiphenylamine	- -	- -	0.38 U	0.41 U	0.38 U	8.7 U	430 U	0.48 U	1.6 U	1.7 U	1.5 U	1.6 U	0.49 U
NYSDOH BAP TEQ(-NDs Excluded)	- -	- -	ND	ND	0.013	40	310	0.45	23	72	49	72	ND
Pentachlorophenol	6.7	0.8	0.77 U	0.81 U	1.9 U	42 U	2,100 U	2.3 U	3.1 U	3.3 U	3.1 U	3.3 U	0.97 U
Phenanthrene	100	1,000	0.38 U	0.41 U	0.048 J	56	**1,300**	2.2	8.9	21	180 D	200 D	0.12 J
Phenol	100	0.33	0.38 U	0.41 U	0.38 U	8.7 UJ	430 UJ	0.48 U	1.6 U	1.7 U	1.5 U	1.6 U	0.49 U
Pyrene	100	1,000	0.38 U	0.41 U	0.11 J	51	660	0.77	17	110 D	80 D	90 D	0.081 J
Total SVOCs	- -	- -	ND	0.073 J	0.47 J	460 J	9,900 J	15 J	150 J	650 J	940	910	0.82 J
Total PAHs	500[1]	- -	ND	ND	0.47 J	440 J	9,500 J	15 J	140 J	640	870	870	0.82 J
Diesel Range Organics (DRO)													
C10-C28 DRO	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diesel Range Organics (DRO)	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Page 23.

Table 9b. Summary of Soil Analytical Results for Detected SVOCs and DRO (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	MW/SB-232B	MW/SB-233B	MW/SB-233B	MW/SB-233B	MW/SB-233B	MW/SB-233B	MW/SB-233B	MW/SB-233B	SB-234	SB-234
Sample Depth(Feet):			75 - 76	2 - 5	9 - 9.5	24 - 26	42 - 43	43 - 44	44 - 46	78 - 80	4.5 - 5	12 - 12.5
Date Collected:			01/16/07	01/19/07	01/19/07	01/19/07	01/19/07	01/19/07	01/19/07	01/19/07	01/25/07	01/25/07
Semi Volatile Organics												
1,1-Biphenyl	- -	- -	0.41 U	0.38 U	0.40 U	14 D [14 D]	26 J	120 J	1.6	0.38 U	0.17 J	0.20 J
2,4-Dimethylphenol	- -	- -	0.41 U	0.38 U	0.40 U	1.5 U [1.6 U]	68 U	81 J	1.0	0.38 U	0.37 U	0.46 U
2,4-Dinitrotoluene	- -	- -	0.41 U	0.38 U	0.40 U	1.5 U [1.6 U]	68 U	140 U	0.35 U	0.38 U	0.37 U	0.46 U
2-Methylnaphthalene	- -	- -	0.41 U	0.38 U	0.086 J	21 D [21 D]	160	670	10 D	0.38 U	0.70	0.54
2-Methylphenol	100	0.33	0.41 U	0.38 U	0.40 U	1.5 U [1.6 U]	68 U	140 U	0.061 J	0.38 U	0.37 U	0.063 J
4-Chloroaniline	- -	- -	0.41 U	0.38 U	0.40 U	1.5 U [1.6 U]	68 U	140 U	0.35 U	0.38 U	0.37 U	0.46 U
4-Chlorophenyl-phenylether	- -	- -	0.41 U	0.38 U	0.40 U	1.5 U [1.6 U]	68 U	140 U	0.35 U	0.38 U	0.37 U	0.46 U
4-Methylphenol	100	0.33	0.81 U	0.75 U	0.80 U	3.0 U [3.1 U]	140 U	**32 J**	0.28 J	0.77 U	0.73 U	0.14 J
Acenaphthene	100	98	0.41 U	0.38 U	0.40 J	20 D [20 D]	27 J	96 J	1.6	0.38 U	1.1	1.1
Acenaphthylene	100	107	0.41 U	0.38 U	0.16 J	5.5 [5.8]	25 J	**120 J**	1.2	0.38 U	0.57	0.85
Anthracene	100	1,000	0.41 U	0.38 U	0.60	29 D [30 D]	55 J	290 DX	4.1	0.38 U	3.7 D	4.7 D
Benzaldehyde	- -	- -	0.41 U	0.38 U	0.40 U	1.5 U [1.6 U]	68 U	140 U	0.35 U	0.38 U	0.37 U	0.46 U
Benzo(a)anthracene	1	1	0.41 U	0.38 U	**2.7**	**28 D [28 D]**	**47 J**	**210**	**4.1**	0.38 U	**7.4 D**	**6.0 D**
Benzo(a)pyrene	1	22	0.41 U	0.38 U	3.0	**27 D [27 D]**	**43 J**	**200**	3.5 D	0.38 U	8.8 D	7.0 D
Benzo(b)fluoranthene	1	1.7	0.41 U	0.38 U	**3.3**	**27 D [28 D]**	**26 J**	**120 J**	**3.5 D**	0.38 U	**7.3 D**	**4.2**
Benzo(g,h,i)perylene	100	1,000	0.41 U	0.037 J	1.3	9.5 [9.6]	20 J	95 J	1.4	0.38 U	6.3 D	3.7 D
Benzo(k)fluoranthene	3.9	1.7	0.41 U	0.38 U	1.1	**7.8 [12 D]**	**34 J**	**160**	**1.8**	0.38 U	**7.1 D**	**4.9 D**
bis(2-Ethylhexyl)phthalate	- -	- -	0.41 U	0.090 J	0.40 U	1.5 U [1.6 U]	68 U	140 U	0.35 U	0.38 U	0.37 U	0.16 J
Butylbenzylphthalate	- -	- -	0.41 U	0.38 U	0.40 U	1.5 U [1.6 U]	68 U	140 U	0.35 U	0.38 U	0.37 U	0.46 U
Caprolactam	- -	- -	0.41 UJ	0.38 UJ	0.40 UJ	1.5 U [1.6 UJ]	68 U	140 U	0.35 UJ	0.38 UJ	0.37 U	0.46 U
Carbazole	- -	- -	0.41 U	0.38 U	0.21 J	7.3 [7.4]	30 J	140	2.3	0.38 U	0.98 J	0.67
Chrysene	3.9	1	0.41 U	0.38 U	**2.9**	**29 D [30 D]**	**43 J**	**190**	**3.7 D**	0.38 U	**7.0 D**	**5.8 D**
Dibenzo(a,h)anthracene	0.33	1,000	0.41 U	0.38 U	0.37 J	2.8 [2.8]	4.3 J	21 J	0.38	0.38 U	1.8	1.4 D
Dibenzofuran	59	210	0.41 U	0.38 U	0.27 J	36 D [35 D]	52 J	**240**	4.1 D	0.38 U	1.1	0.99 D
Diethylphthalate	- -	- -	0.41 U	0.38 U	0.40 U	1.5 U [1.6 U]	68 U	140 U	0.35 U	0.38 U	0.37 U	0.46 U
Dimethylphthalate	- -	- -	0.41 U	0.38 U	0.40 U	1.5 U [1.6 U]	68 U	140 U	0.35 U	0.38 U	0.37 U	0.46 U
Di-n-Butylphthalate	- -	- -	0.41 U	0.38 U	0.40 U	1.5 U [1.6 U]	68 U	140 U	0.35 U	0.38 U	0.37 U	0.46 U
Di-n-Octylphthalate	- -	- -	0.41 U	0.38 U	0.40 U	1.5 U [1.6 U]	68 U	140 U	0.35 U	0.38 U	0.37 U	0.46 U
Fluoranthene	100	1,000	0.41 U	0.063 J	4.2	79 D [80 D]	110	540 D	8.8 D	0.38 U	16 D	8.0 D
Fluorene	100	386	0.41 U	0.38 U	0.70	52 D [51 D]	84	**410 D**	6.4 D	0.38 U	1.9 D	2.3 D
Hexachlorobenzene	1.2	3.2	0.41 U	0.38 U	0.40 U	1.5 U [1.6 U]	68 U	140 U	0.35 U	0.38 U	0.37 U	0.46 U
Indeno(1,2,3-cd)pyrene	0.5	8.2	0.41 U	0.38 U	1.4	**11 [11]**	**20 J**	**92 J**	1.6	0.38 U	NA	3.8 D
Isophorone	- -	- -	0.41 U	0.38 U	0.40 U	1.5 U [1.6 U]	68 U	140 U	0.35 U	0.38 U	0.37 U	0.46 U
Naphthalene	100	12	0.41 U	0.38 U	0.35 J	**120 D [120 D]**	**410**	**2,100 D**	**22 D**	0.38 U	0.97	0.70
N-Nitrosodiphenylamine	- -	- -	0.41 U	0.38 U	0.40 U	1.5 U [1.6 U]	68 U	140 U	0.35 U	0.38 U	0.37 U	0.46 U
NYSDOH BAP TEQ(-NDs Excluded)	- -	- -	ND	ND	4.2	37 [37]	57	270	4.9	ND	12	9.9
Pentachlorophenol	6.7	0.8	0.81 U	0.75 U	0.80 U	3.0 U [3.1 U]	140 U	270 U	0.70 U	0.77 U	0.73 U	0.92 U
Phenanthrene	100	1,000	0.41 U	0.38 U	2.1	130 D [130 D]	200	1,000 D	15 D	0.38 U	12 D	12 D
Phenol	100	0.33	0.41 U	0.38 U	0.40 U	1.5 U [1.6 U]	68 U	140 U	0.35 U	0.38 U	0.37 U	0.46 U
Pyrene	100	1,000	0.41 U	0.38 U	3.6	54 D [58 D]	98	470 D	7.0 D	0.38 U	13 D	9.4 D
Total SVOCs	- -	- -	ND	0.19 J	29 J	700 [710]	1,500 J	7,300 J	100 J	ND	98 J	78 J
Total PAHs	500[1]	- -	ND	0.10 J	28 J	650 [660]	1,400 J	6,800 J	96	ND	96	76
Diesel Range Organics (DRO)												
C10-C28 DRO	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diesel Range Organics (DRO)	- -	- -	NA	NA	NA	NA	1,600	NA	NA	NA	NA	NA
Gasoline	- -	- -	NA	NA	NA	NA	26	NA	NA	NA	NA	NA

See Notes on Page 23.

Table 9b. Summary of Soil Analytical Results for Detected SVOCs and DRO (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-234	SB-234	SB-234	SB-234	SB-235	SB-235	SB-235	SB-235	MW/SB-236A	MW/SB-236A	MW/SB-236B	SB-237
Sample Depth(Feet):			16.5 - 17	18 - 18.5	22 - 22.5	29.5 - 30	5 - 6	6 - 7	41 - 42	50 - 51	9.5 - 10.5	75 - 76	39 - 40	5 - 7
Date Collected:			01/25/07	01/25/07	01/25/07	01/25/07	06/29/06	06/29/06	06/29/06	06/29/06	01/22/07	01/23/07	01/22/07	02/28/07
Semi Volatile Organics														
1,1-Biphenyl	- -	- -	0.75 U	0.38 J [0.37 J]	0.39 U	0.40 U	NA	NA	NA	NA	0.40 U	0.39 U	0.52 U	0.38 U
2,4-Dimethylphenol	- -	- -	0.75 U	0.29 J [0.24 J]	0.39 U	0.40 U	0.42 U	0.42 U	4.1 U	0.50 U	0.40 U	0.39 U	0.52 U	0.38 U
2,4-Dinitrotoluene	- -	- -	0.75 U	0.42 U [0.39 U]	0.39 U	0.40 U	0.42 U	0.42 U	4.1 UJ	0.50 U	0.40 U	0.39 U	0.52 U	0.38 U
2-Methylnaphthalene	- -	- -	0.27 J	2.1 [2.3]	0.39 U	0.40 U	0.072 J	0.67	11	0.50 U	0.049 J	0.39 U	0.52 U	0.14 J
2-Methylphenol	100	0.33	0.12 J	**0.63 [0.53]**	0.39 U	0.40 U	0.42 U	0.42 U	4.1 U	0.50 U	0.40 U	0.39 U	0.52 U	0.38 U
4-Chloroaniline	- -	- -	0.75 U	0.42 U [0.39 U]	0.39 U	0.40 U	0.42 U	0.42 U	4.1 U	0.50 U	0.40 U	0.39 U	0.52 U	0.38 U
4-Chlorophenyl-phenylether	- -	- -	0.75 U	0.42 U [0.39 U]	0.39 U	0.40 U	0.42 U	0.42 U	4.1 U	0.50 U	0.40 U	0.39 U	0.52 U	0.38 U
4-Methylphenol	100	0.33	0.29 J	**1.6 [1.4]**	0.78 U	0.80 U	0.42 U	**0.37 J**	4.1 UJ	0.50 U	0.80 U	0.79 U	1.0 U	0.76 U
Acenaphthene	100	98	0.75 U	0.45 [0.40]	0.39 U	0.40 U	0.28 J	0.25 J	7.2	0.50 U	0.21 J	0.39 U	0.52 U	0.19 J
Acenaphthylene	100	107	0.16 J	0.77 [0.57]	0.39 U	0.40 U	0.13 J	0.42 U	1.6 J	0.50 U	0.40 U	0.39 U	0.52 U	0.11 J
Anthracene	100	1,000	1.3	1.6 [1.4]	0.39 U	0.40 U	0.88	0.28 J	8.2	0.50 U	0.40 J	0.39 U	0.52 U	0.57
Benzaldehyde	- -	- -	0.75 U	0.42 U [0.39 U]	0.39 U	0.40 U	NA	NA	NA	NA	0.40 U	0.39 U	0.52 U	0.38 UJ
Benzo(a)anthracene	1	1	**1.6**	**1.8 [1.2]**	0.39 U	0.40 U	**1.6**	0.62	**8.8**	0.50 U	**1.6**	0.39 U	0.52 U	**1.8**
Benzo(a)pyrene	1	22	1.7	2.0 [1.1]	0.39 U	0.40 U	1.4	0.75	9.1	0.50 U	2.6	0.39 U	0.52 U	2.1
Benzo(b)fluoranthene	1	1.7	1.1	1.3 [0.70]	0.39 U	0.40 U	1.0	0.59	**5.2**	0.50 U	**2.4**	0.39 U	0.52 U	**1.8**
Benzo(g,h,i)perylene	100	1,000	0.81	1.0 [0.59 J]	0.39 U	0.40 U	0.60	0.64	5.5	0.50 U	1.6 J	0.39 U	0.52 U	1.3
Benzo(k)fluoranthene	3.9	1.7	1.3	1.4 [0.90]	0.39 U	0.40 U	1.0	0.48	**7.5**	0.50 U	0.95	0.39 U	0.52 U	1.4 J
bis(2-Ethylhexyl)phthalate	- -	- -	0.75 U	0.42 U [0.39 U]	0.39 U	0.40 U	0.63 U	0.42 U	4.1 U	0.61 U	0.26 J	0.39 U	0.52 U	0.38 U
Butylbenzylphthalate	- -	- -	0.75 U	0.42 U [0.39 U]	0.39 U	0.40 U	0.42 U	0.42 U	4.1 U	0.50 U	0.40 U	0.39 U	0.52 U	0.38 U
Caprolactam	- -	- -	0.75 U	0.42 U [0.39 U]	0.39 U	0.40 U	NA	NA	NA	NA	0.40 UJ	0.39 UJ	0.52 UJ	0.38 U
Carbazole	- -	- -	0.12 J	0.44 J [0.42]	0.39 UJ	0.40 UJ	0.22 J	0.084 J	2.5 J	0.50 U	0.19 J	0.39 UJ	0.52 UJ	0.14 J
Chrysene	3.9	1	**1.6**	**1.7 [1.2]**	0.39 U	0.40 U	**1.6**	0.54	**9.5**	0.50 U	**1.5**	0.39 U	0.52 U	**1.8**
Dibenzo(a,h)anthracene	0.33	1,000	0.27 J	0.32 J [0.20 J]	0.39 U	0.40 U	0.19 J	0.13 J	1.5 J	0.50 UJ	0.43 J	0.39 U	0.52 U	0.43
Dibenzofuran	59	210	0.21 J	0.87 [0.66]	0.39 U	0.40 U	0.21 J	0.60	4.4	0.50 U	0.14 J	0.39 U	0.52 U	0.12 J
Diethylphthalate	- -	- -	0.75 U	0.42 U [0.39 U]	0.39 U	0.40 U	0.42 U	0.42 U	4.1 U	0.50 U	0.40 U	0.39 U	0.52 U	0.38 U
Dimethylphthalate	- -	- -	0.75 U	0.42 U [0.39 U]	0.39 U	0.40 U	0.42 U	0.42 U	4.1 U	0.50 U	0.40 U	0.39 U	0.52 U	0.38 U
Di-n-Butylphthalate	- -	- -	0.75 U	0.42 U [0.39 U]	0.39 U	0.40 U	0.42 U	0.42 U	4.1 U	0.50 U	0.40 U	0.39 U	0.52 U	0.38 U
Di-n-Octylphthalate	- -	- -	0.75 U	0.42 U [0.39 U]	0.39 U	0.40 U	0.42 U	0.42 U	4.1 U	0.50 U	0.40 U	0.39 U	0.52 U	0.38 U
Fluoranthene	100	1,000	2.7	3.2 [2.4]	0.39 U	0.40 U	3.0	0.89	16	0.50 U	1.5	0.39 U	0.52 U	3.2
Fluorene	100	386	0.45 J	1.7 [1.2]	0.39 U	0.40 U	0.29 J	0.31 J	8.2	0.50 U	0.17 J	0.39 U	0.52 U	0.20 J
Hexachlorobenzene	1.2	3.2	0.75 U	0.42 U [0.39 U]	0.39 U	0.40 U	0.42 U	0.42 U	4.1 U	0.50 U	0.40 U	0.39 U	0.52 U	0.38 U
Indeno(1,2,3-cd)pyrene	0.5	8.2	0.93	1.1 [0.63 J]	0.39 U	0.40 U	0.77	0.71	5.1	0.50 U	1.6 J	0.39 U	0.52 U	1.4
Isophorone	- -	- -	0.75 U	0.42 U [0.39 U]	0.39 U	0.40 U	0.42 U	0.42 U	4.1 U	0.50 U	0.40 U	0.39 U	0.52 U	0.38 U
Naphthalene	100	12	0.42 J	3.9 [3.4]	0.39 U	0.40 U	0.10 J	3.8	**36**	0.50 U	0.12 J	0.39 U	0.52 U	0.16 J
N-Nitrosodiphenylamine	- -	- -	0.75 U	0.42 U [0.39 U]	0.39 U	0.40 U	0.42 U	0.42 U	4.1 U	0.50 U	0.40 U	0.39 U	0.52 U	0.38 U
NYSDOH BAP TEQ(-NDs Excluded)	- -	- -	2.4	2.8 [1.6]	ND	ND	2.0	1.1	13	ND	3.6	ND	ND	3.1
Pentachlorophenol	6.7	0.8	1.5 U	0.84 U [0.78 U]	0.78 U	0.80 U	2.1 U	2.1 U	20 U	2.4 UJ	0.80 U	0.79 U	1.0 U	0.76 U
Phenanthrene	100	1,000	2.4	4.5 [4.1]	0.39 U	0.40 U	2.8	0.78	27	0.50 U	0.96	0.39 U	0.52 U	1.5
Phenol	100	0.33	**0.35 J**	**2.2 [2.0]**	0.39 U	0.40 U	0.42 U	0.42 U	4.1 UJ	0.50 U	0.40 U	0.39 U	0.52 U	0.38 U
Pyrene	100	1,000	2.4	3.0 [2.2]	0.39 U	0.40 U	2.6	3.0	16	0.50 U	1.6	0.39 U	0.52 U	3.1
Total SVOCs	- -	- -	21 J	38 J [30 J]	ND	ND	19 J	16 J	190 J	ND	18 J	ND	ND	22 J
Total PAHs	500[1]	- -	19 J	32 J [25 J]	ND	ND	18 J	14 J	180 J	ND	18 J	ND	ND	21 J
Diesel Range Organics (DRO)														
C10-C28 DRO	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diesel Range Organics (DRO)	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	130
Gasoline	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.57 U

See Notes on Page 23.

Table 9b. Summary of Soil Analytical Results for Detected SVOCs and DRO (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: / Sample Depth(Feet): / Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-237 7 - 9 02/28/07	SB-237 8 - 9 03/04/07	SB-237 9 - 9.5 02/28/07	SB-237 11 - 11.5 02/28/07	SB-237 17 - 18 03/04/07	SB-237 24 - 25 03/04/07	SB-238 21.5 - 22.5 06/28/06	SB-238 25 - 26 06/28/06	SB-238 26 - 28 06/28/06	SB-245 9 - 10 06/26/06	SB-245 14 - 15 06/26/06	SB-245 20 - 22.5 06/27/06	SB-245 39.5 - 40.5 06/27/06
Semi Volatile Organics															
1,1-Biphenyl	- -	- -	0.39 U	0.12 J	0.11 J	1.2 U	4.4 D	0.52 U	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	- -	- -	0.39 U	0.39 U	0.41 U	1.2 U	0.39 U	0.52 U	0.39 U	0.37 U	0.50 U	0.42 U	0.75 U [0.74 U]	45 U	0.53 U
2,4-Dinitrotoluene	- -	- -	0.39 U	0.39 U	0.41 U	1.2 U	0.39 U	0.52 U	0.39 UJ	0.37 U	0.50 U	0.42 U	0.75 U [0.74 U]	45 U	0.53 U
2-Methylnaphthalene	- -	- -	0.10 J	0.17 J	0.29 J	0.59 J	21 D	0.75	0.26 J	1.1	3.8	0.42 U	0.75 U [0.74 U]	53	0.53 U
2-Methylphenol	100	0.33	0.39 U	0.39 U	0.41 U	1.2 U	0.39 U	0.52 U	0.39 U	0.37 U	0.50 U	0.42 U	0.75 U [0.74 U]	45 U	0.53 U
4-Chloroaniline	- -	- -	0.39 U	0.39 U	0.41 U	1.2 U	0.39 U	0.52 U	0.39 U	0.37 U	0.50 U	0.42 U	0.75 U [0.74 U]	45 U	0.53 U
4-Chlorophenyl-phenylether	- -	- -	0.39 U	0.39 U	0.41 U	1.2 U	0.39 U	0.52 U	0.39 U	0.37 U	0.50 U	0.42 U	0.75 U [0.74 U]	45 U	0.53 U
4-Methylphenol	100	0.33	0.79 U	0.79 U	0.83 U	2.3 U	0.78 U	1.0 U	0.39 U	0.37 U	0.50 U	0.42 U	0.75 U [0.74 U]	45 U	0.53 U
Acenaphthene	100	98	0.40	6.7 D	1.1	1.3	16 D	0.14 J	0.46	0.58	1.2	0.13 J	0.75 U [0.16 J]	11 J	0.53 U
Acenaphthylene	100	107	0.093 J	1.9 D	0.11 J	0.35 J	3.9 D	0.52 U	0.59	0.28 J	0.21 J	0.33 J	0.13 J [0.34 J]	24 J	0.086 J
Anthracene	100	1,000	0.42	1.4 D	1.8	1.9	16 D	0.11 J	1.3	1.1	0.53	0.50	0.54 J [0.68 J]	35 J	0.53 U
Benzaldehyde	- -	- -	0.39 UJ	0.39 UJ	0.41 UJ	1.2 UJ	0.39 UJ	0.52 U	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	1	1	0.82	0.39 U	**2.2**	**2.3**	**12 D**	0.096 J	**2.0**	0.88	0.24 J	**1.8**	**0.96 [1.5]**	**30 J**	0.53 U
Benzo(a)pyrene	1	22	0.87	0.39 U	2.3	2.3	8.9 D	0.074 J	1.6	0.60	0.11 J	1.8	1.0 [1.4]	**25 J**	0.53 U
Benzo(b)fluoranthene	1	1.7	0.59	0.39 U	**2.2**	1.4	**5.8 D**	0.52 U	0.97	0.32 J	0.50 U	1.3	0.49 J [0.82]	**20 J**	0.53 U
Benzo(g,h,i)perylene	100	1,000	0.51	0.39 U	1.4	1.2	3.9 D	0.52 U	0.69	0.21 J	0.50 U	1.5	0.47 J [0.63 J]	13 J	0.53 U
Benzo(k)fluoranthene	3.9	1.7	0.73 J	0.39 U	1.4 J	**2.1 J**	**7.2 D**	0.52 U	1.2	0.44	0.077 J	1.2	0.83 [1.1]	**20 J**	0.53 U
bis(2-Ethylhexyl)phthalate	- -	- -	0.39 U	0.39 U	0.41 U	1.2 U	0.39 U	0.52 U	0.39 U	0.72	1.0	0.42 U	0.78 J [0.74 U]	45 U	0.53 U
Butylbenzylphthalate	- -	- -	0.39 U	0.39 U	0.41 U	1.2 U	0.39 U	0.52 U	0.39 U	0.37 U	0.50 U	0.42 U	0.75 U [0.74 U]	45 U	0.53 U
Caprolactam	- -	- -	0.39 U	0.39 U	0.41 U	1.2 U	0.39 U	0.52 U	NA	NA	NA	NA	NA	NA	NA
Carbazole	- -	- -	0.099 J	0.39 U	0.73	2.2	12 D	0.52 U	0.16 J	0.19 J	0.30 J	0.077 J	0.18 J [0.15 J]	9.2 J	0.53 U
Chrysene	3.9	1	0.84	0.39 U	**2.1**	**2.2**	**11 D**	0.088 J	**1.8**	0.81	0.34 J	**1.7**	**1.3 [1.7]**	**32 J**	0.53 U
Dibenzo(a,h)anthracene	0.33	1,000	0.18 J	0.39 U	0.43	0.38 J	1.0	0.52 U	0.24 J	0.084 J	0.50 U	0.34 J	0.11 J [0.18 J]	45 U	0.53 U
Dibenzofuran	59	210	0.17 J	12 D	0.79	0.97 J	11 D	0.084 J	0.59	0.35 J	0.47 J	0.081 J	0.75 U [0.74 U]	28 J	0.53 U
Diethylphthalate	- -	- -	0.39 U	0.39 U	0.41 U	1.2 U	0.39 U	0.52 U	0.39 U	0.37 U	0.50 U	0.42 U	0.75 U [0.74 U]	45 U	0.53 U
Dimethylphthalate	- -	- -	0.39 U	0.39 U	0.41 U	1.2 U	0.39 U	0.52 U	0.39 U	0.37 U	0.50 U	0.42 U	0.75 U [0.74 U]	45 U	0.53 U
Di-n-Butylphthalate	- -	- -	0.39 U	0.39 U	0.41 U	1.2 U	0.39 U	0.52 U	0.39 U	0.37 U	0.50 U	0.42 U	0.75 U [0.74 U]	45 U	0.53 U
Di-n-Octylphthalate	- -	- -	0.39 U	0.39 U	0.41 U	1.2 U	0.39 U	0.52 U	0.39 U	0.37 U	0.50 U	0.42 U	0.75 U [0.74 U]	45 U	0.53 U
Fluoranthene	100	1,000	1.7	0.15 J	5.9	4.8	23 D	0.17 J	3.3	1.4	0.41 J	2.7	1.9 [2.6]	91	0.53 U
Fluorene	100	386	0.63	12 D	1.5	2.2	21 D	0.16 J	0.68	1.0	1.0	0.14 J	0.75 U [0.13 J]	36 J	0.53 U
Hexachlorobenzene	1.2	3.2	0.39 U	0.39 U	0.41 U	1.2 U	0.39 U	0.52 U	0.39 U	0.37 U	0.50 U	0.42 U	0.75 U [0.74 U]	45 U	0.53 U
Indeno(1,2,3-cd)pyrene	0.5	8.2	0.51	0.39 U	1.5	1.2	4.0 D	0.52 U	0.84	0.22 J	0.50 U	1.6	0.31 J [0.64 J]	**15 J**	0.53 U
Isophorone	- -	- -	0.39 U	0.39 U	0.41 U	1.2 U	0.39 U	0.52 U	0.39 U	0.37 U	0.50 U	0.42 U	0.21 J [0.80]	45 U	0.53 U
Naphthalene	100	12	0.18 J	0.43	0.36 J	2.4	**56 D**	4.5	0.86	3.2	6.1	0.42 U	0.28 J [0.21 J]	**340**	0.53 U
N-Nitrosodiphenylamine	- -	- -	0.39 U	0.39 U	0.41 U	1.2 U	0.39 U	0.52 U	0.39 U	0.37 U	0.50 U	0.42 U	0.75 U [0.74 U]	45 U	0.53 U
NYSDOH BAP TEQ(-NDs Excluded)	- -	- -	1.3	ND	3.4	3.2	12	0.085	2.3	0.84	0.14	2.6	1.3 [1.9]	32	ND
Pentachlorophenol	6.7	0.8	0.79 U	0.79 U	0.83 U	2.3 U	0.78 U	1.0 U	1.9 U	1.8 U	2.4 U	2.0 U	3.6 U [3.6 U]	220 U	2.6 U
Phenanthrene	100	1,000	1.1	2.8 D	5.1	5.1	47 D	0.33 J	3.0	3.0	3.6	1.8	0.64 J [0.98]	140	0.53 U
Phenol	100	0.33	0.39 U	0.39 U	0.41 U	1.2 U	0.39 U	0.52 U	0.39 U	0.37 U	0.50 U	0.42 U	0.75 U [0.74 U]	45 U	0.53 U
Pyrene	100	1,000	1.5	0.10 J	4.3	4.3	21 D	0.19 J	3.4	1.6	0.59	3.3	1.5 [2.2]	76	0.53 U
Total SVOCs	- -	- -	11 J	38 J	36 J	39 J	300	6.7 J	24 J	18 J	20 J	20 J	12 J [16 J]	1,000 J	0.086 J
Total PAHs	500[1]	- -	11 J	26 J	34 J	36 J	280	6.6 J	23 J	17 J	18 J	20 J	11 J [15 J]	960 J	0.086 J
Diesel Range Organics (DRO)															
C10-C28 DRO	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diesel Range Organics (DRO)	- -	- -	140	NA	200	310	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline	- -	- -	0.17 J	NA	0.62 J	0.26 J	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Page 23.

Table 9b. Summary of Soil Analytical Results for Detected SVOCs and DRO (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-247	SB-247	SB-247	SB-250	SB-250	SB-250	SB-250	SB-250	SB-251	SB-251	SB-251	SB-251	SB-252	SB-252
Sample Depth(Feet):			17 - 19	33 - 34	36 - 37	2 - 2.5	9 - 9.5	23 - 23.5	25 - 25.5	29.5 - 30	3.5 - 4	15 - 15.5	15.5 - 16	19.5 - 20	2.5 - 3.5	8 - 8.5
Date Collected:			06/28/06	06/28/06	06/26/06	01/24/07	01/24/07	01/24/07	01/24/07	01/24/07	01/25/07	01/25/07	01/25/07	01/25/07	01/25/07	01/25/07
Semi Volatile Organics																
1,1-Biphenyl	- -	- -	NA	NA	NA	0.35 U	5.2 D	4.1	0.51 U	0.46 U	0.37 U	0.37 J	0.52 U	0.55 U	0.12 J	48 J
2,4-Dimethylphenol	- -	- -	0.43 U	9.2 U	0.56 U	0.35 U	0.40 U	0.54	0.51 U	0.24 J	0.37 U	0.39 U	0.52 U	0.55 U	0.38 U	65 U
2,4-Dinitrotoluene	- -	- -	0.43 U	9.2 U	0.56 U	0.35 U	0.40 U	0.38 U	0.51 U	0.46 U	0.37 U	0.39 U	0.52 U	0.55 U	0.38 U	65 U
2-Methylnaphthalene	- -	- -	0.43 U	29	0.56 U	0.099 J	11 D	48 D	0.51 U	0.13 J	0.061 J	0.28 J	0.063 J	0.55 U	0.32 J	330 D
2-Methylphenol	100	0.33	0.43 U	9.2 U	0.56 U	0.35 U	0.40 U	0.093 J	0.51 U	0.46 U	0.37 U	0.39 U	0.52 U	0.55 U	0.38 U	65 U
4-Chloroaniline	- -	- -	0.43 U	9.2 U	0.56 U	0.35 U	0.40 U	0.38 U	0.51 U	0.46 U	0.37 U	0.39 U	0.52 U	0.55 U	0.38 U	65 U
4-Chlorophenyl-phenylether	- -	- -	0.43 U	9.2 U	0.56 U	0.35 U	0.40 U	0.38 U	0.51 U	0.46 U	0.37 U	0.39 U	0.52 U	0.55 U	0.38 U	65 U
4-Methylphenol	100	0.33	0.43 U	9.2 U	0.56 U	0.71 U	0.80 U	0.76 U	1.0 U	0.93 U	0.74 U	0.78 U	1.0 U	1.1 U	0.77 U	130 U
Acenaphthene	100	98	0.43 U	22	0.56 U	0.23 J	20 D	16 D	0.51 U	0.069 J	0.37 U	1.7	0.52 U	0.55 U	0.11 J	62 J
Acenaphthylene	100	107	0.43 U	2.6 J	0.56 U	0.35 U	3.1	4.9	0.51 U	0.46 U	0.24 J	0.34 J	0.52 U	0.55 U	0.81	75
Anthracene	100	1,000	0.43 U	14	0.56 U	0.70	14 D	15 D	0.51 U	0.46 U	0.34 J	1.7	0.52 U	0.55 U	1.4 D	130
Benzaldehyde	- -	- -	NA	NA	NA	0.35 U	0.40 U	0.38 U	0.51 U	0.46 U	0.37 U	0.39 U	0.52 U	0.55 U	0.38 U	65 U
Benzo(a)anthracene	1	1	0.080 J	**12**	0.56 U	**3.0**	**9.8 D**	**10 D**	0.51 U	0.46 U	**2.4**	**1.4**	0.52 U	0.55 U	**4.6 D**	**96**
Benzo(a)pyrene	1	22	0.088 J	7.8 J	0.56 U	5.0	8.0 D	8.4 D	0.51 U	0.46 U	2.8	1.1	0.52 U	0.55 U	3.6 D	**80**
Benzo(b)fluoranthene	1	1.7	0.43 U	**4.6 J**	0.56 U	**2.9**	**6.2**	**6.6 EJ**	0.51 U	0.46 U	**2.1**	0.81 D	0.52 U	0.55 U	**4.2**	**54 J**
Benzo(g,h,i)perylene	100	1,000	0.43 U	4.5 J	0.56 U	2.7	2.6	2.5	0.51 U	0.46 U	1.5	0.54	0.52 U	0.55 U	3.4 D	42 J
Benzo(k)fluoranthene	3.9	1.7	0.065 J	**5.9 J**	0.56 U	**2.6**	**6.9 D**	**3.9**	0.51 U	0.46 U	**2.3**	0.95	0.52 U	0.55 U	**3.6 D**	**67 J**
bis(2-Ethylhexyl)phthalate	- -	- -	0.43 U	9.2 U	0.56 U	0.076 J	0.40 U	0.38 U	0.51 U	0.46 U	0.37 U	0.39 U	0.52 U	0.55 U	0.38 U	65 U
Butylbenzylphthalate	- -	- -	0.43 U	9.2 U	0.56 U	0.35 U	0.40 U	0.38 U	0.51 U	0.46 U	0.37 U	0.39 U	0.52 U	0.55 U	0.38 U	65 U
Caprolactam	- -	- -	NA	NA	NA	0.35 U	0.40 U	0.38 U	0.51 U	0.46 U	0.37 U	0.39 U	0.52 U	0.55 U	0.38 U	65 U
Carbazole	- -	- -	0.43 U	8.0 J	0.56 U	0.32 J	2.3	1.0	0.51 UJ	0.46 U	0.11 J	0.36 J	0.52 U	0.55 U	0.52	62 J
Chrysene	3.9	1	0.068 J	**11**	0.56 U	**3.0**	**8.7 D**	**9.2 D**	0.51 U	0.46 U	**2.4**	**1.5**	0.52 U	0.55 U	**4.5 D**	**85**
Dibenzo(a,h)anthracene	0.33	1,000	0.43 U	1.3 J	0.56 U	1.6	1.4	1.3	0.51 U	0.46 U	0.71	0.21 J	0.52 U	0.55 U	0.76 J	12 J
Dibenzofuran	59	210	0.43 U	8.9 J	0.56 U	0.094 J	10 D	8.0 D	0.51 U	0.46 U	0.37 U	0.71	0.52 U	0.55 U	0.60	120
Diethylphthalate	- -	- -	0.43 U	9.2 U	0.56 U	0.35 U	0.40 U	0.38 U	0.51 U	0.46 U	0.37 U	0.39 U	0.52 U	0.55 U	0.38 U	65 U
Dimethylphthalate	- -	- -	0.43 U	9.2 U	0.56 U	0.35 U	0.40 U	0.38 U	0.51 U	0.46 U	0.37 U	0.39 U	0.52 U	0.55 U	0.38 U	65 U
Di-n-Butylphthalate	- -	- -	0.43 U	9.2 U	0.56 U	0.35 U	0.40 U	0.38 U	0.51 U	0.46 U	0.37 U	0.39 U	0.52 U	0.55 U	0.38 U	65 U
Di-n-Octylphthalate	- -	- -	0.43 U	9.2 U	0.56 U	0.35 U	0.40 U	0.38 U	0.51 U	0.46 U	0.37 U	0.39 U	0.52 U	0.55 U	0.38 U	65 U
Fluoranthene	100	1,000	0.11 J	23	0.56 U	2.0	20 D	22 D	0.51 U	0.11 J	2.8	2.5	0.52 U	0.55 U	10 D	310 D
Fluorene	100	386	0.43 U	16	0.56 U	0.23 J	15 D	13 D	0.51 U	0.46 U	0.37 U	1.3	0.52 U	0.55 U	0.21 J	140
Hexachlorobenzene	1.2	3.2	0.43 U	9.2 U	0.56 U	0.35 U	0.40 U	0.38 U	0.51 U	0.46 U	0.37 U	0.39 U	0.52 U	0.55 U	0.38 U	65 U
Indeno(1,2,3-cd)pyrene	0.5	8.2	0.43 U	4.8 J	0.56 U	2.6	3.2	3.3	0.51 U	0.46 U	1.8	0.60	0.52 U	0.55 U	3.4 D	**47 J**
Isophorone	- -	- -	0.43 U	9.2 U	0.56 U	0.35 U	0.40 U	0.38 U	0.51 U	0.46 U	0.37 U	0.39 U	0.52 U	0.55 U	0.38 U	65 U
Naphthalene	100	12	0.43 U	**130**	0.13 J	0.25 J	**32 D**	**96 D**	1.7	0.44 J	0.11 J	0.83	1.8	1.2	0.42	**1,500 D**
N-Nitrosodiphenylamine	- -	- -	0.43 U	9.2 U	0.56 U	0.35 U	0.40 U	0.38 U	0.51 U	0.46 U	0.37 U	0.39 U	0.52 U	0.55 U	0.38 U	65 U
NYSDOH BAP TEQ(-NDs Excluded)	- -	- -	0.097	11	ND	7.5	12	12	ND	ND	4.2	1.6	ND	ND	5.7	110
Pentachlorophenol	6.7	0.8	2.1 U	45 U	2.7 U	0.71 U	0.80 U	0.76 U	1.0 U	0.93 U	0.74 U	0.78 U	1.0 U	1.1 U	0.77 U	130 U
Phenanthrene	100	1,000	0.43 U	46	0.56 U	1.4	54 D	62 D	0.51 U	0.26 J	0.92	7.1 D	0.15 J	0.10 J	7.5 D	520 D
Phenol	100	0.33	0.43 U	9.2 U	0.56 U	0.35 U	0.40 U	0.38 U	0.51 U	0.46 U	0.37 U	0.39 U	0.52 U	0.55 U	0.38 U	65 U
Pyrene	100	1,000	0.26 J	23	0.56 U	2.6	18 D	20 D	0.51 U	0.095 J	3.1	2.9 D	0.52 U	0.55 U	8.9 D	270 D
Total SVOCs	- -	- -	0.67 J	370 J	0.13 J	31 J	250	350 J	1.7	1.3 J	24 J	27 J	2.0 J	1.3 J	59 J	4,000 J
Total PAHs	500[1]	- -	0.67 J	360 J	0.13 J	31 J	230	340 J	1.7	1.1 J	24 J	26 J	2.0 J	1.3 J	58 J	3,800 J
Diesel Range Organics (DRO)																
C10-C28 DRO	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diesel Range Organics (DRO)	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Page 23.

Table 9b. Summary of Soil Analytical Results for Detected SVOCs and DRO (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-252	SB-252	SB-252	SB-253	SB-253	SB-253	SB-253	SB-253	SB-254	SB-254	SB-256	SB-256	SB-256	SB-256
Sample Depth(Feet):			11.5 - 12.5	17 - 17.5	19.5 - 20	2 - 3	6.5 - 7	14 - 14.5	15.5 - 16	19.5 - 20	8 - 9	19 - 20	2.5 - 3.5	9.5 - 10	15.5 - 16.5	19 - 20
Date Collected:			01/25/07	01/25/07	01/25/07	01/25/07	01/25/07	01/25/07	01/25/07	01/25/07	03/03/07	03/03/07	02/01/07	02/01/07	02/01/07	02/01/07
Semi Volatile Organics																
1,1-Biphenyl	- -	- -	24 U	0.52 U	0.49 U	0.55	360	0.72 J	0.46 U	0.41 U	0.38 U	0.49 U	0.38 U	29 J	0.093 J	0.51 U
2,4-Dimethylphenol	- -	- -	24 U	0.52 U	0.60	0.36 U	97 U	1.6 U	0.46 U	0.41 U	0.38 U	0.49 U	0.38 U	66 U	3.4	0.47 J
2,4-Dinitrotoluene	- -	- -	24 U	0.52 U	0.49 U	0.36 U	97 U	1.6 U	0.46 U	0.41 U	0.38 U	0.49 U	0.38 U	66 U	0.50 U	0.51 U
2-Methylnaphthalene	- -	- -	3.2 J	0.37 J	0.060 J	1.4	1,100 D	5.5	0.46 U	0.41 U	0.38 U	0.055 J	0.046 J	20 J	1.5	0.51 U
2-Methylphenol	100	0.33	24 U	0.52 U	0.49 U	0.36 U	97 U	1.6 U	0.46 U	0.41 U	0.38 U	0.49 U	0.38 U	66 U	0.18 J	0.51 U
4-Chloroaniline	- -	- -	24 U	0.52 U	0.49 U	0.36 U	97 U	1.6 U	0.46 U	0.41 U	0.38 U	0.49 U	0.38 U	66 U	0.50 U	0.51 U
4-Chlorophenyl-phenylether	- -	- -	24 U	0.52 U	0.49 U	0.36 U	97 U	1.6 U	0.46 U	0.41 U	0.38 U	0.49 U	0.38 U	66 U	0.50 U	0.51 U
4-Methylphenol	100	0.33	48 U	1.0 U	0.99 U	0.73 U	190 U	3.1 U	0.93 U	0.83 U	0.75 U	0.99 U	0.76 U	130 U	**0.36 J**	1.0 U
Acenaphthene	100	98	85 D	0.52 U	0.097 J	0.95	83 J	1.5 J	0.15 J	0.41 U	0.38 U	0.49 U	0.38 U	**160**	0.15 J	0.51 U
Acenaphthylene	100	107	11 J	0.52 U	0.49 U	3.0	**150**	2.1	0.46 U	0.41 U	0.38 U	0.49 U	0.89 D	51 J	0.50 U	0.51 U
Anthracene	100	1,000	52	0.52 U	0.49 U	6.6 D	**1,300 D**	5.9	0.46 U	0.41 U	0.38 U	0.49 U	0.63	110	0.50 U	0.51 U
Benzaldehyde	- -	- -	24 U	0.52 U	0.49 U	0.36 U	97 U	1.6 U	0.46 U	0.41 U	0.38 U	0.49 U	0.38 U	66 U	0.50 U	0.51 U
Benzo(a)anthracene	1	1	**26**	0.52 U	0.49 U	**11 D**	**1,900 D**	**3.4**	0.46 U	0.41 U	0.38 U	0.49 U	**4.9 D**	**270**	0.50 U	0.51 U
Benzo(a)pyrene	1	22	17 J	0.52 U	0.49 U	16 D	**1,100 D**	3.8	0.46 U	0.41 U	0.38 U	0.49 U	4.2	**180**	0.50 U	0.51 U
Benzo(b)fluoranthene	1	1.7	**10 J**	0.52 U	0.49 U	**15 D**	**1,200 D**	**2.5**	0.46 U	0.41 U	0.38 U	0.49 U	**6.1**	**120**	0.50 U	0.51 U
Benzo(g,h,i)perylene	100	1,000	7.2 J	0.52 U	0.49 U	15 D	1,000 D	2.4	0.46 U	0.41 U	0.38 U	0.49 U	3.8	80	0.50 U	0.51 U
Benzo(k)fluoranthene	3.9	1.7	**14 J**	0.52 U	0.49 U	**11 D**	**1,400 D**	**3.1**	0.46 U	0.41 U	0.38 U	0.49 U	**2.2**	**130**	0.50 U	0.51 U
bis(2-Ethylhexyl)phthalate	- -	- -	24 U	0.52 U	0.49 U	0.36 U	97 U	1.6 U	0.46 U	0.41 U	0.38 U	0.49 U	0.38 U	66 U	0.50 U	0.51 U
Butylbenzylphthalate	- -	- -	24 U	0.52 U	0.49 U	0.36 U	97 U	1.6 U	0.46 U	0.41 U	0.38 U	0.49 U	0.38 U	66 U	0.50 U	0.51 U
Caprolactam	- -	- -	24 U	0.52 U	0.49 U	0.36 U	97 U	1.6 U	0.46 U	0.41 U	0.38 U	0.49 U	0.38 U	66 U	0.50 U	0.51 U
Carbazole	- -	- -	7.4 J	0.52 U	0.49 U	1.3	560	1.2 J	0.46 UJ	0.41 UJ	0.38 U	0.49 U	0.34 J	85	0.50 U	0.51 U
Chrysene	3.9	1	**26**	0.52 U	0.49 U	**11 D**	**1,800 D**	**3.0**	0.46 U	0.41 U	0.38 U	0.49 U	**4.9 D**	**280**	0.50 U	0.51 U
Dibenzo(a,h)anthracene	0.33	1,000	2.8 J	0.52 U	0.49 U	4.3 D	220	0.56 J	0.46 U	0.41 U	0.38 U	0.49 U	0.76	39 J	0.50 U	0.51 U
Dibenzofuran	59	210	36	0.52 U	0.49 U	2.8	**1,700 D**	5.1	0.46 U	0.41 U	0.38 U	0.49 U	0.082 J	180	0.095 J	0.51 U
Diethylphthalate	- -	- -	24 U	0.52 U	0.49 U	0.36 U	97 U	1.6 U	0.46 U	0.41 U	0.38 U	0.49 U	0.38 U	66 U	0.50 U	0.51 U
Dimethylphthalate	- -	- -	24 U	0.52 U	0.49 U	0.36 U	97 U	1.6 U	0.46 U	0.41 U	0.38 U	0.49 U	0.38 U	66 U	0.50 U	0.51 U
Di-n-Butylphthalate	- -	- -	24 U	0.52 U	0.49 U	0.36 U	97 U	1.6 U	0.46 U	0.41 U	0.38 U	0.49 U	0.38 U	66 U	0.50 U	0.51 U
Di-n-Octylphthalate	- -	- -	24 U	0.52 U	0.14 J	0.36 U	97 U	1.6 U	0.46 U	0.41 U	0.38 U	0.49 U	0.38 U	66 U	0.50 U	0.51 U
Fluoranthene	100	1,000	61	0.52 U	0.092 J	24 D	**5,800 D**	9.9	0.46 U	0.076 J	0.38 U	0.11 J	7.5 D	660 D	0.13 J	0.51 U
Fluorene	100	386	63	0.52 U	0.081 J	0.31 J	320	5.8	0.46 U	0.41 U	0.38 U	0.49 U	0.071 J	380 D	0.11 J	0.51 U
Hexachlorobenzene	1.2	3.2	24 U	0.52 U	0.49 U	0.36 U	97 U	1.6 U	0.46 U	0.41 U	0.38 U	0.49 U	0.38 U	66 U	0.50 U	0.51 U
Indeno(1,2,3-cd)pyrene	0.5	8.2	7.7 J	0.52 U	0.49 U	**16 D**	**1,100 D**	2.6	0.46 U	0.41 U	0.38 U	0.49 U	3.9	**94**	0.50 U	0.51 U
Isophorone	- -	- -	24 U	0.52 U	0.49 U	0.36 U	97 U	1.6 U	0.46 U	0.41 U	0.38 U	0.49 U	0.38 U	66 U	0.50 U	0.51 U
Naphthalene	100	12	**16 J**	6.5	3.5	1.0	**3,600 D**	**24**	0.15 J	0.096 J	0.38 U	0.13 J	0.22 J	**450 D**	**24 D**	0.11 J
N-Nitrosodiphenylamine	- -	- -	24 U	0.52 U	0.49 U	0.36 U	97 U	1.6 U	0.46 U	0.41 U	0.38 U	0.49 U	0.38 U	66 U	0.50 U	0.51 U
NYSDOH BAP TEQ(-NDs Excluded)	- -	- -	25	ND	ND	25	1,800	5.3	ND	ND	ND	ND	6.5	270	ND	ND
Pentachlorophenol	6.7	0.8	48 U	1.0 U	0.99 U	0.73 U	190 U	3.1 U	0.93 U	0.83 U	0.75 U	0.99 U	0.76 UJ	130 U	1.0 UJ	1.0 UJ
Phenanthrene	100	1,000	340 D	0.52 U	0.41 J	22 D	**7,300 D**	18	0.46 U	0.10 J	0.38 U	0.20 J	2.0 D	**2,200 D**	0.37 J	0.51 U
Phenol	100	0.33	24 U	0.52 U	0.49 U	0.36 U	97 U	1.6 U	0.46 U	0.41 U	0.38 U	0.49 U	0.38 U	66 U	0.50 U	0.51 U
Pyrene	100	1,000	74 D	0.52 U	0.095 J	21 D	**4,700 D**	8.2	0.46 U	0.41 U	0.38 U	0.11 J	7.9 D	690 D	0.14 J	0.51 U
Total SVOCs	- -	- -	860 J	6.9 J	5.1 J	180 J	36,000 J	110 J	0.30 J	0.27 J	ND	0.61 J	50 J	6,200 J	30 J	0.58 J
Total PAHs	500[1]	- -	820 J	6.9 J	4.3 J	180 J	34,000 J	100 J	0.30 J	0.27 J	ND	0.61 J	50 J	5,900 J	26 J	0.11 J
Diesel Range Organics (DRO)																
C10-C28 DRO	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diesel Range Organics (DRO)	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	120	15,000	110	26
Gasoline	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.57 U	10	21	4.4

See Notes on Page 23.

Table 9b. Summary of Soil Analytical Results for Detected SVOCs and DRO (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-262	SB-262	SB-262	SB-262	SB-263	SB-263	SB-263	SB-263	SB-263	SB-265	SB-265	SB-265	SB-265
Sample Depth(Feet):			7 - 9	13 - 15	19 - 21	21 - 23	7 - 9	9 - 11	11 - 13	15 - 17	17 - 19	4 - 5	9 - 10	10.5 - 11.5	19 - 20
Date Collected:			02/28/07	02/28/07	02/28/07	02/28/07	02/28/07	02/28/07	02/28/07	02/28/07	02/28/07	02/02/07	02/02/07	02/02/07	02/02/07
Semi Volatile Organics															
1,1-Biphenyl	- -	- -	0.39 U	0.38 U	0.52 U	0.38 U	0.30 J	0.41 U	4.6	0.53 U	0.50 U	67	43 [45]	41	0.53 U
2,4-Dimethylphenol	- -	- -	0.39 U	0.38 U	0.52 U	0.38 U	0.41 U	0.41 U	0.40 U	0.53 U	0.50 U	23 U	11 J [10 J]	8.8 J	2.5
2,4-Dinitrotoluene	- -	- -	0.39 U	0.38 U	0.52 U	0.38 U	0.41 U	0.41 U	0.40 U	0.53 U	0.50 U	23 U	24 U [23 U]	2.3 J	0.53 U
2-Methylnaphthalene	- -	- -	0.16 J	0.38 U	0.52 U	0.081 J	4.0	0.31 J	56 D	0.65	0.56	530 D	320 D [400 D]	320 D	0.53 U
2-Methylphenol	100	0.33	0.39 U	0.38 U	0.52 U	0.38 U	0.41 U	0.41 U	0.40 U	0.53 U	0.50 U	23 U	**2.8 J [2.8 J]**	26 U	0.53 U
4-Chloroaniline	- -	- -	0.39 U	0.38 U	0.52 U	0.38 U	0.41 U	0.41 U	0.40 U	0.53 U	0.50 U	23 U	24 U [23 U]	26 U	0.53 U
4-Chlorophenyl-phenylether	- -	- -	0.39 U	0.38 U	0.52 U	0.38 U	0.41 U	0.41 U	0.40 U	0.53 U	0.50 U	23 U	24 U [23 U]	26 U	0.53 U
4-Methylphenol	100	0.33	0.78 U	0.77 U	1.0 U	0.75 U	0.81 U	0.81 U	0.80 U	1.1 U	1.0 U	46 U	**5.6 J [5.8 J]**	52 U	1.1 U
Acenaphthene	100	98	0.39 U	0.38 U	0.52 U	0.38 U	0.48	1.3	14 D	0.13 J	0.12 J	51	28 [30]	28	0.53 U
Acenaphthylene	100	107	0.39 U	0.38 U	0.52 U	0.38 U	0.41 U	0.50	15 D	0.53 U	0.50 U	**120**	**100 [110]**	100	0.53 U
Anthracene	100	1,000	0.11 J	0.38 U	0.52 U	0.38 U	0.25 J	1.4	18 D	0.53 U	0.50 U	230 D	99 [99]	130 D	0.53 U
Benzaldehyde	- -	- -	0.39 UJ	0.38 UJ	0.52 UJ	0.38 UJ	0.41 UJ	0.41 UJ	0.40 UJ	0.53 UJ	0.50 UJ	23 U	24 U [23 U]	26 U	0.53 U
Benzo(a)anthracene	1	1	0.38 J	0.38 U	0.52 U	0.38 U	0.32 J	**2.6**	**14 D**	0.53 U	0.50 U	**140**	**86 [87]**	**87**	0.53 U
Benzo(a)pyrene	1	22	0.50	0.38 U	0.52 U	0.38 U	0.44	2.0	9.1 JD	0.53 U	0.50 U	**90**	**55 [57]**	**58**	0.53 U
Benzo(b)fluoranthene	1	1.7	0.33 J	0.38 U	0.52 U	0.38 U	0.30 J	1.2	**6.1**	0.53 U	0.50 U	**66**	**37 [39]**	**34**	0.53 U
Benzo(g,h,i)perylene	100	1,000	0.30 J	0.38 U	0.52 U	0.38 U	0.31 J	0.74	2.4	0.53 U	0.50 U	38	22 J [22 J]	24 J	0.53 U
Benzo(k)fluoranthene	3.9	1.7	0.41 J	0.38 UJ	0.52 UJ	0.38 UJ	0.32 J	**1.8**	**4.3**	0.53 U	0.50 U	**64**	**44 [45]**	**53**	0.53 U
bis(2-Ethylhexyl)phthalate	- -	- -	0.39 U	0.38 U	0.52 U	0.38 U	0.19 J	0.13 J	0.11 J	0.53 U	0.50 U	23 U	24 U [23 U]	26 U	0.53 U
Butylbenzylphthalate	- -	- -	0.39 U	0.38 U	0.52 U	0.38 U	0.41 U	0.41 U	0.40 U	0.53 U	0.50 U	23 U	24 U [23 U]	26 U	0.53 U
Caprolactam	- -	- -	0.39 U	0.38 U	0.52 U	0.38 U	0.41 U	0.41 U	0.40 U	0.53 U	0.50 U	23 U	24 U [23 U]	26 U	0.53 U
Carbazole	- -	- -	0.39 U	0.38 U	0.52 U	0.38 U	0.12 J	0.24 J	16 D	0.19 J	0.50 U	110	95 [94]	70	0.53 U
Chrysene	3.9	1	0.36 J	0.38 U	0.52 U	0.38 U	0.36 J	**2.3**	**12 JD**	0.53 U	0.50 U	**120**	**74 [75]**	**77**	0.53 U
Dibenzo(a,h)anthracene	0.33	1,000	0.091 J	0.38 U	0.52 U	0.38 U	0.089 J	0.30 J	1.1	0.53 U	0.50 U	16 J	9.5 J [10 J]	11 J	0.53 U
Dibenzofuran	59	210	0.39 U	0.38 U	0.52 U	0.38 U	0.15 J	0.24 J	13 D	0.13 J	0.50 U	160	97 [100]	98	0.53 U
Diethylphthalate	- -	- -	0.39 U	0.38 U	0.52 U	0.38 U	0.41 U	0.41 U	0.40 U	0.53 U	0.50 U	23 U	24 U [23 U]	26 U	0.53 U
Dimethylphthalate	- -	- -	0.39 U	0.38 U	0.52 U	0.38 U	0.41 U	0.41 U	0.40 U	0.53 U	0.50 U	23 U	24 U [23 U]	26 U	0.53 U
Di-n-Butylphthalate	- -	- -	0.39 U	0.38 U	0.52 U	0.38 U	0.41 U	0.41 U	0.40 U	0.53 U	0.50 U	23 U	24 U [23 U]	26 U	0.53 U
Di-n-Octylphthalate	- -	- -	0.39 U	0.38 U	0.52 U	0.38 U	0.41 U	0.41 U	0.40 U	0.53 U	0.50 U	23 U	24 U [23 U]	26 U	0.53 U
Fluoranthene	100	1,000	0.58	0.38 U	0.52 U	0.38 U	0.45	4.5	31 D	0.088 J	0.50 U	340 D	200 D [240 D]	200 D	0.53 U
Fluorene	100	386	0.39 U	0.38 U	0.52 U	0.38 U	0.51	0.33 J	20 D	0.13 J	0.50 U	280 D	170 D [140]	170 D	0.53 U
Hexachlorobenzene	1.2	3.2	0.39 U	0.38 U	0.52 U	0.38 U	0.41 U	0.41 U	0.40 U	0.53 U	0.50 U	23 U	24 U [23 U]	26 U	0.53 U
Indeno(1,2,3-cd)pyrene	0.5	8.2	0.32 J	0.38 U	0.52 U	0.38 U	0.28 J	0.87	3.0	0.53 U	0.50 U	**45**	**26 [27]**	**28**	0.53 U
Isophorone	- -	- -	0.39 U	0.38 U	0.52 U	0.38 U	0.41 U	0.41 U	0.40 U	0.53 U	0.50 U	23 U	24 U [23 U]	26 U	0.53 U
Naphthalene	100	12	0.39 U	0.38 U	1.6	0.25 J	0.62	0.72	**160 D**	8.5	7.5	**1,600 D**	**950 D [1,200 D]**	**960 D**	0.17 J
N-Nitrosodiphenylamine	- -	- -	0.39 U	0.38 U	0.52 U	0.38 U	0.41 U	0.41 U	0.40 U	0.53 U	0.50 U	23 U	24 U [23 U]	26 U	0.53 U
NYSDOH BAP TEQ(-NDs Excluded)	- -	- -	0.70	ND	ND	ND	0.63	2.8	13	ND	ND	130	81 [84]	85	ND
Pentachlorophenol	6.7	0.8	0.78 U	0.77 U	1.0 U	0.75 U	0.81 U	0.81 U	0.80 U	1.1 U	1.0 U	46 U	48 U [47 U]	52 U	1.1 UJ
Phenanthrene	100	1,000	0.34 J	0.38 U	0.52 U	0.38 U	1.7	2.1	56 D	0.27 J	0.50 U	660 D	390 D [460 D]	400 D	0.53 U
Phenol	100	0.33	0.39 U	0.38 U	0.52 U	0.38 U	0.41 U	0.41 U	0.40 U	0.53 U	0.50 U	23 U	**3.9 J [3.8 J]**	26 U	0.53 U
Pyrene	100	1,000	0.55	0.38 U	0.52 U	0.38 U	0.72	4.3	26 D	0.081 J	0.50 U	310 D	170 D [150]	190 D	0.53 U
Total SVOCs	- -	- -	4.4 J	ND	1.6	0.33 J	12 J	28 J	480 J	10 J	8.2 J	5,000 J	3,000 J [3,400 J]	3,100 J	2.7 J
Total PAHs	500[1]	- -	4.4 J	ND	1.6	0.33 J	11 J	27 J	450 J	9.9 J	8.2 J	4,700 J	2,800 J [3,200 J]	2,900 J	0.17 J
Diesel Range Organics (DRO)															
C10-C28 DRO	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diesel Range Organics (DRO)	- -	- -	30	12 U	16 U	18	240	65	1,400	18	15 J	9,200	4,900 [4,600]	4,800	150
Gasoline	- -	- -	0.59 U	0.099 J	2.1	0.57 U	1.2	0.36 J	747	23	20	83	1,290 [1,320]	1,460	3

See Notes on Page 23.

Table 9b. Summary of Soil Analytical Results for Detected SVOCs and DRO (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: / Sample Depth(Feet): / Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-266 2 - 5 02/01/07	SB-266 10 - 12 02/01/07	SB-266 17.5 - 18.5 02/01/07	SB-266 24 - 25 02/01/07	SB-267 2 - 5 01/31/07	SB-267 8.5 - 9.5 01/31/07	SB-267 25 - 26 01/31/07	SB-267 39 - 40 01/31/07	SB-268 1 - 3 02/02/07	SB-268 10 - 11 02/02/07	SB-268 29 - 30 02/02/07	SB-268 44 - 45 02/02/07	SB-269 5 - 6 02/01/07	SB-269 9.5 - 10 02/01/07
Semi Volatile Organics																
1,1-Biphenyl	- -	- -	0.40 U	0.092 J	1.1	0.55 U	0.14 J	0.45 J	240	10	0.38 U	2.6	370	0.25 J	0.077 J	0.53
2,4-Dimethylphenol	- -	- -	0.40 U	0.44 U	0.43 U	0.55 U	0.37 U	2.1 U	180	3.7	0.38 U	1.2 U	230	0.49 U	0.38 U	0.21 J
2,4-Dinitrotoluene	- -	- -	0.40 U	0.44 U	0.43 U	0.55 U	0.37 U	2.1 U	79 U	1.5 U	0.38 U	1.2 U	220 U	0.49 U	0.38 U	0.41 U
2-Methylnaphthalene	- -	- -	0.29 J	0.21 J	3.1	0.55 U	0.61	2.5	1,700 D	78 D	0.12 J	1.5	2,300 D	1.3	0.56	2.5
2-Methylphenol	100	0.33	0.40 U	0.44 U	0.43 U	0.55 U	0.37 U	2.1 U	**14 J**	**0.41 J**	0.38 U	1.2 U	**59 J**	0.49 U	0.38 U	0.14 J
4-Chloroaniline	- -	- -	0.40 U	0.44 U	0.43 U	0.55 U	0.37 U	2.1 U	79 U	1.5 U	0.38 U	1.2 U	220 U	0.49 U	0.38 U	0.41 U
4-Chlorophenyl-phenylether	- -	- -	0.40 U	0.44 U	0.43 U	0.55 U	0.37 U	2.1 U	79 U	1.5 U	0.38 U	1.2 U	220 U	0.49 U	0.38 U	0.41 U
4-Methylphenol	100	0.33	0.80 U	0.88 U	0.86 U	1.1 U	0.73 U	4.1 U	**80 J**	**2.8 J**	0.75 U	2.4 U	**140 J**	0.97 U	0.76 U	**0.48 J**
Acenaphthene	100	98	0.20 J	2.8	2.8	0.55 U	0.42	1.8 J	**160**	6.6	0.14 J	22 D	**230**	0.19 J	0.27 J	0.64
Acenaphthylene	100	107	0.56	3.2	1.3	0.55 U	0.78	8.4 D	**480**	22	0.49	8.2	**560**	0.36 J	0.92	0.65
Anthracene	100	1,000	1.0	13 D	4.2	0.55 U	1.6	11 D	480	31 D	0.77	34 D	730 D	0.66	1.3	2.3
Benzaldehyde	- -	- -	0.40 U	0.44 U	0.43 U	0.55 U	0.37 U	2.1 U	79 U	1.5 U	0.38 U	1.2 U	220 U	0.49 U	0.38 U	0.41 U
Benzo(a)anthracene	1	1	**3.1**	**16 D**	**4.4**	0.55 U	**6.2 D**	**41 D**	**430**	**20**	**3.5**	**41 D**	**670**	0.66	**3.3**	**2.8**
Benzo(a)pyrene	1	22	3.5	12 D	3.7	0.55 U	4.9 D	**25 D**	**300**	15	4.4	**24 D**	**500**	0.46 J	4.0	2.0
Benzo(b)fluoranthene	1	1.7	**2.9**	**6.1 D**	**2.3**	0.55 U	**6.8 EJ**	**25 D**	**160**	**10**	**4.5**	**21 JD**	**320**	0.46 J	**3.5**	1.3
Benzo(g,h,i)perylene	100	1,000	1.8	3.5	1.5	0.55 U	3.0	9.2 D	140	6.3	2.0	6.8	160 J	0.17 J	1.7	0.84
Benzo(k)fluoranthene	3.9	1.7	**2.7**	**6.4**	**2.8**	0.55 U	**2.7**	**12 D**	**230**	**9.9**	**1.8**	**10**	**410**	0.22 J	**2.6**	1.6
bis(2-Ethylhexyl)phthalate	- -	- -	0.40 U	0.44 U	0.43 U	0.55 U	0.37 U	2.1 U	79 U	1.5 U	0.38 U	1.2 U	220 U	0.49 U	0.38 U	0.41 U
Butylbenzylphthalate	- -	- -	0.40 U	0.44 U	0.43 U	0.55 U	0.37 U	2.1 U	79 U	1.5 U	0.38 U	1.2 U	220 U	0.49 U	0.38 U	0.41 U
Caprolactam	- -	- -	0.40 U	0.44 U	0.43 U	0.55 U	0.12 J	2.1 U	79 U	1.5 U	0.38 U	1.2 U	220 UJ	0.49 U	0.38 U	0.41 U
Carbazole	- -	- -	0.20 J	0.35 J	2.2	0.55 UJ	0.68 J	1.1 J	250	9.7	0.21 J	13 D	370 J	0.40 J	0.19 J	1.1
Chrysene	3.9	1	**3.2**	**14 D**	**4.1**	0.55 U	**5.6**	**35 D**	**390**	**19**	**3.6**	**36 D**	**580**	0.59	**3.4**	**2.4**
Dibenzo(a,h)anthracene	0.33	1,000	0.66	1.5	0.57	0.55 U	0.90	1.9 J	56 J	2.5	0.67	2.4	38 J	0.059 J	0.70	0.32 J
Dibenzofuran	59	210	0.19 J	3.5	2.7	0.55 U	0.44	3.3	**420**	19	0.086 J	40 D	**750 D**	0.60	0.21 J	1.4
Diethylphthalate	- -	- -	0.40 U	0.44 U	0.43 U	0.55 U	0.37 U	2.1 U	79 U	1.5 U	0.38 U	1.2 U	220 U	0.49 U	0.38 U	0.41 U
Dimethylphthalate	- -	- -	0.40 U	0.44 U	0.43 U	0.55 U	0.37 U	2.1 U	79 U	1.5 U	0.38 U	1.2 U	220 U	0.49 U	0.38 U	0.41 U
Di-n-Butylphthalate	- -	- -	0.40 U	0.44 U	0.43 U	0.55 U	0.37 U	2.1 U	79 U	1.5 U	0.38 U	1.2 U	220 U	0.49 U	0.38 U	0.41 U
Di-n-Octylphthalate	- -	- -	0.40 U	0.44 U	0.43 U	0.55 U	0.37 U	2.1 U	79 U	1.5 U	0.38 U	1.2 U	220 U	0.49 U	0.38 U	0.41 U
Fluoranthene	100	1,000	4.0	28 D	7.7 D	0.55 U	7.3 D	73 D	900 D	52 D	3.3	84 D	**1,300**	1.3	4.0	5.8
Fluorene	100	386	0.32 J	9.4 D	5.1	0.55 U	0.61	5.3	**810 D**	44 D	0.17 J	63 D	**1,200 D**	0.92	0.62	2.6
Hexachlorobenzene	1.2	3.2	0.40 U	0.44 U	0.43 U	0.55 U	0.37 U	2.1 U	79 U	1.5 U	0.38 U	1.2 U	220 U	0.49 U	0.38 U	0.41 U
Indeno(1,2,3-cd)pyrene	0.5	8.2	1.9	4.1	1.7	0.55 U	3.3	**9.9 D**	**150**	7.4	2.3	7.3	**170 J**	0.16 J	2.0	0.97
Isophorone	- -	- -	0.40 U	0.44 U	0.43 U	0.55 U	0.37 U	2.1 U	79 U	1.5 U	0.38 U	1.2 U	220 U	0.49 U	0.38 U	0.41 U
Naphthalene	100	12	0.32 J	0.52	9.0 D	0.55 U	1.5	12 D	**3,700 D**	**160 D**	0.29 J	**20 D**	220 U	2.6	0.35 J	5.1
N-Nitrosodiphenylamine	- -	- -	0.40 U	0.44 U	0.43 U	0.55 U	0.37 U	2.1 U	79 U	1.5 U	0.38 U	1.2 U	220 U	0.49 U	0.38 U	0.41 U
NYSDOH BAP TEQ(-NDs Excluded)	- -	- -	5.0	16	5.2	ND	7.5	35	440	22	6.2	34	660	0.66	5.6	2.9
Pentachlorophenol	6.7	0.8	0.80 U	0.88 U	0.86 U	1.1 U	0.73 UJ	4.1 UJ	160 U	3.0 U	0.75 UJ	2.4 UJ	430 U	0.97 UJ	0.76 U	0.81 U
Phenanthrene	100	1,000	2.6	36 D	12 D	0.55 U	4.6	20 D	**1,900 D**	100 D	1.8	170 D	**2,700 D**	2.6	3.3	6.5
Phenol	100	0.33	0.40 U	0.44 U	0.43 U	0.55 U	0.37 U	2.1 U	79 U	1.5 U	0.38 U	1.2 U	220 U	0.49 U	0.38 U	**0.36 J**
Pyrene	100	1,000	4.3	27 D	8.3 D	0.55 U	9.5 D	81 D	960 D	53 D	5.4	93 D	**1,400**	1.3	4.8	6.3
Total SVOCs	- -	- -	34 J	190 J	80	ND	61 J	380 J	14,000 J	670 J	36 J	700 J	15,000 J	15 J	38 J	48 J
Total PAHs	500[1]	- -	33 J	180 J	75	ND	60 J	370 J	13,000 J	640	35 J	640 J	13,000 J	14 J	37 J	45 J
Diesel Range Organics (DRO)																
C10-C28 DRO	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diesel Range Organics (DRO)	- -	- -	140	850	260	71	110	1,200	20,000	1,900	260	1,500	59,000	51	130	180
Gasoline	- -	- -	0.13 J	0.16 J	1.8	0.83 UJ	0.56 U	0.62 U	3,280	8.8	0.57 U	0.66	3,960	0.83	0.57 U	0.22 J

See Notes on Page 23.

Table 9b. Summary of Soil Analytical Results for Detected SVOCs and DRO (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-269 29.5 - 30 02/01/07	SB-269 33 - 33.7 02/01/07	SB-270 8 - 9 03/04/07	SB-270 21 - 22 03/04/07	SB-270 23 - 24 03/04/07	SB-270 24 - 25 03/04/07	SB-271 3 - 5 02/02/07	SB-271 10 - 11 02/02/07	SB-271 15 - 16 02/02/07	SB-271 19 - 20 02/02/07	SB-272 7 - 8 03/05/07	SB-272 16 - 17 03/05/07	SB-272 24 - 25 03/05/07
Semi Volatile Organics															
1,1-Biphenyl	- -	- -	67 J [2.8 J]	0.10 J	0.40 U	0.63	0.40 U	0.081 J	1.9 U	0.40 U	0.40 U	0.50 U	0.43 U	8.0	0.57 U
2,4-Dimethylphenol	- -	- -	43 J [0.44 J]	1.4	0.40 U	0.38 U	0.40 U	0.32 J	1.9 U	0.40 U	0.40 U	0.50 U	0.43 U	2.0 U	0.57 U
2,4-Dinitrotoluene	- -	- -	24 U [0.43 U]	0.49 U	0.40 U	0.38 U	0.40 U	0.40 U	1.9 U	0.40 U	0.40 U	0.50 U	0.43 U	2.0 U	0.57 U
2-Methylnaphthalene	- -	- -	480 DJ [11 JD]	0.80	0.54	3.8	0.10 J	0.77	0.29 J	0.40 U	0.40 U	0.50 U	0.42 J	55 D	0.28 J
2-Methylphenol	100	0.33	**2.5 J [0.43 U]**	0.49 U	0.40 U	0.38 U	0.40 U	0.40 U	1.9 U	0.40 U	0.40 U	0.50 U	0.43 U	2.0 U	0.57 U
4-Chloroaniline	- -	- -	24 U [0.43 U]	0.49 U	0.40 U	0.38 U	0.40 U	0.40 U	1.9 U	0.40 U	0.40 U	0.50 U	0.43 U	2.0 U	0.57 U
4-Chlorophenyl-phenylether	- -	- -	24 U [0.43 U]	0.49 U	0.40 U	0.38 U	0.40 U	0.40 U	1.9 U	0.40 U	0.40 U	0.50 U	0.43 U	2.0 U	0.57 U
4-Methylphenol	100	0.33	**7.2 J [0.23 J]**	0.97 U	0.80 U	0.75 U	0.80 U	0.80 U	3.9 U	0.80 U	0.80 U	1.0 U	0.86 U	4.0 U	1.1 U
Acenaphthene	100	98	45 J [5.6 JD]	0.070 J	0.30 J	8.9 D	0.22 J	1.6	0.46 J	0.40 U	0.096 J	0.50 U	0.090 J	36 D	0.19 J
Acenaphthylene	100	107	**110 J [3.9 JD]**	0.10 J	0.22 J	1.3	0.40 U	0.40 U	0.96 J	0.40 U	0.40 U	0.50 U	0.23 J	3.6	0.57 U
Anthracene	100	1,000	130 J [9.2 JD]	0.15 J	1.4	6.7 D	0.075 J	0.75	2.0	0.40 U	0.40 U	0.50 U	0.23 J	29 D	0.17 J
Benzaldehyde	- -	- -	24 U [0.43 U]	0.49 U	0.40 U	0.38 U	0.40 U	0.40 U	1.9 U	0.40 U	0.40 U	0.50 U	0.43 U	2.0 U	0.57 U
Benzo(a)anthracene	1	1	**130 J [9.3 JD]**	0.13 J	**6.7 D**	**4.9**	0.40 U	0.40 U	**8.5**	0.13 J	0.40 U	0.50 U	0.30 J	**21 D**	0.15 J
Benzo(a)pyrene	1	22	**90 J [6.1 JD]**	0.095 J	12 D	4.6	0.40 U	0.40 U	9.1	0.12 J	0.40 U	0.50 U	0.30 J	16 D	0.12 J
Benzo(b)fluoranthene	1	1.7	**60 J [6.7 J]**	0.060 J	**7.7 D**	**3.1**	0.40 U	0.40 U	**11**	0.13 J	0.40 U	0.50 U	0.22 J	**8.9**	0.57 U
Benzo(g,h,i)perylene	100	1,000	42 J [2.7 J]	0.050 J	8.6 D	2.0	0.40 U	0.40 U	5.7	0.076 J	0.40 U	0.50 U	0.18 J	6.2	0.57 U
Benzo(k)fluoranthene	3.9	1.7	**59 J [3.8 J]**	0.49 U	**7.9 D**	**3.3 D**	0.40 U	0.40 U	**5.1**	0.40 U	0.40 U	0.50 U	0.25 J	**14 D**	0.57 U
bis(2-Ethylhexyl)phthalate	- -	- -	24 U [0.43 U]	0.49 U	0.40 U	0.38 U	0.40 U	0.40 U	1.9 U	0.40 U	0.40 U	0.50 U	0.43 U	2.0 U	0.57 UJ
Butylbenzylphthalate	- -	- -	24 U [0.43 U]	0.49 U	0.40 U	0.38 U	0.40 U	0.40 U	1.9 U	0.40 U	0.40 U	0.50 U	0.43 U	2.0 U	0.57 U
Caprolactam	- -	- -	24 U [0.43 U]	0.49 U	0.40 U	0.38 U	0.40 U	0.40 U	1.9 U	0.40 U	0.40 U	0.50 U	0.43 U	2.0 U	0.57 U
Carbazole	- -	- -	81 J [6.1 JD]	0.49 U	0.62	4.0	0.33 J	2.2	0.73 J	0.15 J	0.40 UJ	0.50 UJ	0.086 J	11 D	0.57 U
Chrysene	3.9	1	**120 J [9.3 JD]**	0.14 J	**6.8 D**	**4.6**	0.40 U	0.40 U	**8.9**	0.13 J	0.40 U	0.50 U	0.28 J	**18 D**	0.13 J
Dibenzo(a,h)anthracene	0.33	1,000	17 J [0.93 J]	0.49 U	3.0 D	0.75	0.40 U	0.40 U	1.4 J	0.40 U	0.40 U	0.50 U	0.062 J	2.2	0.57 U
Dibenzofuran	59	210	130 J [6.7 JD]	0.18 J	0.19 J	5.0	0.15 J	1.6	0.42 J	0.40 U	0.40 U	0.50 U	0.13 J	20 D	0.12 J
Diethylphthalate	- -	- -	24 U [0.43 U]	0.49 U	0.40 U	0.38 U	0.40 U	0.40 U	1.9 U	0.40 U	0.40 U	0.50 U	0.43 U	2.0 U	0.57 U
Dimethylphthalate	- -	- -	24 U [0.43 U]	0.49 U	0.40 U	0.38 U	0.40 U	0.40 U	1.9 U	0.40 U	0.40 U	0.50 U	0.43 U	2.0 U	0.57 U
Di-n-Butylphthalate	- -	- -	24 U [0.092 J]	0.49 U	0.40 U	0.38 U	0.40 U	0.40 U	1.9 U	0.40 U	0.40 U	0.50 U	0.43 U	2.0 U	0.57 U
Di-n-Octylphthalate	- -	- -	24 U [0.43 U]	0.49 U	0.40 U	0.38 U	0.40 U	0.40 U	1.9 U	0.40 U	0.40 U	0.50 U	0.43 U	2.0 U	0.57 U
Fluoranthene	100	1,000	280 DJ [19 JD]	0.27 J	6.3	11 D	0.13 J	0.31 J	14	0.20 J	0.40 U	0.50 U	0.63	39 D	0.27 J
Fluorene	100	386	230 DJ [12 JD]	0.26 J	0.31 J	7.7 D	0.18 J	2.0	0.50 J	0.40 U	0.40 U	0.50 U	0.23 J	32 D	0.21 J
Hexachlorobenzene	1.2	3.2	24 U [0.43 U]	0.49 U	0.40 U	0.38 U	0.40 U	0.40 U	1.9 U	0.40 U	0.40 U	0.50 U	0.43 U	2.0 U	0.57 U
Indeno(1,2,3-cd)pyrene	0.5	8.2	**47 J [3.0 J]**	0.049 J	**8.6 D**	2.1	0.40 U	0.40 U	6.2	0.082 J	0.40 U	0.50 U	0.18 J	6.4	0.57 U
Isophorone	- -	- -	24 U [0.43 U]	0.49 U	0.40 U	0.38 U	0.40 U	0.40 U	1.9 U	0.40 U	0.40 U	0.50 U	0.43 U	2.0 U	0.57 U
Naphthalene	100	12	**1,200 DJ [22 JD]**	2.9	0.24 J	**22 D**	0.95	7.1 D	0.53 J	0.40 U	0.40 U	0.20 J	0.95	**98 D**	0.54 J
N-Nitrosodiphenylamine	- -	- -	24 U [0.43 U]	0.49 U	0.40 U	0.38 U	0.40 U	0.40 U	1.9 U	0.40 U	0.40 U	0.50 U	0.43 U	2.0 U	0.57 U
NYSDOH BAP TEQ(-NDs Excluded)	- -	- -	130 [9.1]	0.12	17	6.4	ND	ND	13	0.16	ND	ND	0.44	22	0.14
Pentachlorophenol	6.7	0.8	48 U [0.86 UJ]	0.97 U	0.80 U	0.75 U	0.80 U	0.80 U	3.9 UJ	0.80 UJ	0.80 UJ	1.0 UJ	0.86 U	4.0 U	1.1 U
Phenanthrene	100	1,000	580 DJ [31 JD]	0.57	3.8	27 D	0.33 J	4.6	6.6	0.14 J	0.40 U	0.50 U	0.67	85 D	0.62
Phenol	100	0.33	24 U [0.43 U]	0.49 U	0.40 U	0.38 U	0.40 U	0.40 U	1.9 U	0.40 U	0.40 U	0.50 U	0.43 U	2.0 U	0.57 U
Pyrene	100	1,000	290 DJ [19 JD]	0.27 J	7.2 D	12 D	0.13 J	0.26 J	13	0.23 J	0.40 U	0.50 U	0.49	42 D	0.28 J
Total SVOCs	- -	- -	4,200 J [190 J]	7.5 J	82 J	140	2.6 J	22 J	95 J	1.4 J	0.096 J	0.20 J	5.9 J	540	3.1 J
Total PAHs	500[1]	- -	3,900 J [180 J]	5.9 J	82 J	130	2.1 J	17 J	94 J	1.2 J	0.096 J	0.20 J	5.7 J	510	3.0 J
Diesel Range Organics (DRO)															
C10-C28 DRO	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diesel Range Organics (DRO)	- -	- -	28,000 J [1,100 J]	70	NA	NA	NA	NA	240	47	17	17	NA	NA	NA
Gasoline	- -	- -	2,100 J [4.5 J]	2.1	NA	NA	NA	NA	0.59 U	0.61 U	0.12 U	0.45 J	NA	NA	NA

See Notes on Page 23.

Table 9b. Summary of Soil Analytical Results for Detected SVOCs and DRO (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-273	SB-273	SB-273	SB-274	SB-274	SB-274	SB-275	SB-275	SB-275	SB-277	SB-277	SB-277	SB-277	SB-278
Sample Depth(Feet):			9 - 10	24 - 25	29 - 30	7 - 8	23 - 24	29 - 30	7 - 8	22 - 23	29 - 30	7 - 9	11 - 13	13 - 15	17 - 19	5 - 7
Date Collected:			03/03/07	03/03/07	03/03/07	03/05/07	03/05/07	03/05/07	03/04/07	03/04/07	03/04/07	02/26/07	02/26/07	02/26/07	02/26/07	02/26/07
Semi Volatile Organics																
1,1-Biphenyl	- -	- -	0.36 U	0.41 U	0.40 U	0.088 J	730 JD	0.49 U	0.39 U	260	0.52 U	0.59	0.40 U	0.37 U	0.52 U	0.097 J
2,4-Dimethylphenol	- -	- -	0.36 U	0.41 U	0.40 U	0.41 U	230	0.49 U	0.39 U	45 U	0.52 U	0.37 U	0.40 U	0.37 U	0.52 U	0.38 U
2,4-Dinitrotoluene	- -	- -	0.36 U	0.41 U	0.40 U	0.41 U	55 U	0.49 U	0.39 U	45 U	0.52 U	0.37 U	0.40 U	0.37 U	0.52 U	0.38 U
2-Methylnaphthalene	- -	- -	69 D	0.41 U	0.40 U	0.95	5,300 D	0.19 J	0.16 J	2,100 D	0.52 U	8.5 D	0.67	0.66	0.52 U	1.1
2-Methylphenol	100	0.33	0.36 U	0.41 U	0.40 U	0.41 U	**41 J**	0.49 U	0.39 U	45 U	0.52 U	0.37 U	0.40 U	0.37 U	0.52 U	0.38 U
4-Chloroaniline	- -	- -	0.36 U	0.41 U	0.40 U	0.41 U	55 U	0.49 U	0.39 U	45 U	0.52 U	0.37 U	0.40 U	0.37 U	0.52 U	0.38 U
4-Chlorophenyl-phenylether	- -	- -	0.36 U	0.41 U	0.40 U	0.41 U	55 U	0.49 U	0.39 U	45 U	0.52 U	0.37 U	0.40 U	0.37 U	0.52 U	0.38 U
4-Methylphenol	100	0.33	0.73 U	0.81 U	0.80 U	0.83 U	**120**	0.97 U	0.79 U	90 U	1.0 U	0.74 U	0.80 U	0.74 U	1.0 U	0.76 U
Acenaphthene	100	98	2.2 J	0.41 U	0.40 U	0.23 J	**580 JD**	0.49 U	0.19 J	**830 JD**	0.52 U	1.1	0.26 J	0.21 J	0.076 J	0.13 J
Acenaphthylene	100	107	0.36 U	0.41 U	0.40 U	0.088 J	**2,500 D**	0.082 J	0.39 U	**480 JD**	0.52 U	0.37 U	0.069 J	0.37 U	0.52 U	0.38 U
Anthracene	100	1,000	0.68	0.41 U	0.40 U	0.23 J	**2,100 JD**	0.12 J	0.13 J	890 JD	0.52 U	0.34 J	0.40 J	0.068 J	0.52 U	0.14 J
Benzaldehyde	- -	- -	0.36 U	0.41 U	0.40 U	0.41 U	55 U	0.49 U	0.39 U	45 U	0.52 U	0.37 U	0.40 U	0.37 U	0.52 U	0.38 U
Benzo(a)anthracene	1	1	0.14 J	0.41 U	0.40 U	0.32 J	**1,400 JD**	0.096 J	0.28 J	**630 JD**	0.52 U	0.57	0.19 J	0.072 J	0.52 U	0.40
Benzo(a)pyrene	1	22	0.36 U	0.41 U	0.40 U	0.29 J	**1,000 JD**	0.073 J	0.35 J	**340**	0.52 U	0.57	0.18 J	0.052 J	0.52 U	0.41
Benzo(b)fluoranthene	1	1.7	0.36 U	0.41 U	0.40 U	0.23 J	**820 EJ**	0.49 U	0.25 J	**300**	0.52 U	0.48	0.12 J	0.37 U	0.52 U	0.32 J
Benzo(g,h,i)perylene	100	1,000	0.36 U	0.41 U	0.40 U	0.15 J	190	0.49 U	0.23 J	120	0.52 U	0.43	0.12 J	0.055 J	0.52 U	0.33 J
Benzo(k)fluoranthene	3.9	1.7	0.36 U	0.41 U	0.40 U	0.22 J	**330**	0.49 U	0.28 J	**170**	0.52 U	0.46	0.15 J	0.37 U	0.52 U	0.40
bis(2-Ethylhexyl)phthalate	- -	- -	0.36 U	0.41 U	0.40 U	0.41 U	55 U	0.49 U	0.31 J	45 U	0.52 U	1.2 D	0.40 U	0.37 U	0.52 U	0.38 U
Butylbenzylphthalate	- -	- -	0.36 U	0.41 U	0.40 U	0.41 U	55 U	0.49 U	0.39 U	45 U	0.52 U	0.37 U	0.40 U	0.37 U	0.52 U	0.38 U
Caprolactam	- -	- -	0.36 U	0.41 U	0.40 U	0.41 U	55 U	0.49 U	0.39 U	45 U	0.52 U	0.37 U	0.40 U	0.37 U	0.52 U	0.38 U
Carbazole	- -	- -	0.34 J	0.41 U	0.40 U	0.12 J	730 JD	0.49 U	0.39 U	190	0.52 U	0.37 U	0.56 J	0.092 J	0.52 U	0.081 J
Chrysene	3.9	1	0.29 J	0.41 U	0.40 U	0.32 J	**1,200 JD**	0.088 J	0.28 J	**560 JD**	0.52 U	0.65	0.19 J	0.072 J	0.52 U	0.43
Dibenzo(a,h)anthracene	0.33	1,000	0.36 U	0.41 U	0.40 U	0.41 U	94	0.49 U	0.070 J	53	0.52 U	0.12 J	0.40 U	0.37 U	0.52 U	0.081 J
Dibenzofuran	59	210	0.70	0.41 U	0.40 U	0.14 J	**1,400 JD**	0.074 J	0.11 J	**560 JD**	0.52 U	0.37 U	0.24 J	0.37 U	0.52 U	0.38 U
Diethylphthalate	- -	- -	0.36 U	0.41 U	0.40 U	0.41 U	55 U	0.49 U	0.39 U	45 U	0.52 U	0.37 U	0.40 U	0.37 U	0.52 U	0.38 U
Dimethylphthalate	- -	- -	0.36 U	0.41 U	0.40 U	0.41 U	55 U	0.49 U	0.39 U	45 U	0.52 U	0.37 U	0.40 U	0.37 U	0.52 U	0.38 U
Di-n-Butylphthalate	- -	- -	0.36 U	0.41 U	0.40 U	0.41 U	55 U	0.49 U	0.39 U	45 U	0.52 U	0.37 U	0.40 U	0.37 U	0.52 U	0.38 U
Di-n-Octylphthalate	- -	- -	0.36 U	0.41 U	0.40 U	0.41 U	55 U	0.49 U	0.25 J	45 U	0.52 U	0.37 U	0.40 U	0.37 U	0.52 U	0.38 U
Fluoranthene	100	1,000	0.28 J	0.41 U	0.40 U	0.49	**2,900 D**	0.19 J	0.43	**1,300 D**	0.52 U	0.82	0.60	0.22 J	0.52 U	0.69
Fluorene	100	386	3.7	0.41 U	0.40 U	0.23 J	**2,200 D**	0.13 J	0.22 J	**960 JD**	0.52 U	1.2 D	0.24 J	0.17 J	0.52 U	0.18 J
Hexachlorobenzene	1.2	3.2	0.36 U	0.41 U	0.40 U	0.41 U	55 U	0.49 U	0.39 U	45 U	0.52 U	0.37 U	0.40 U	0.37 U	0.52 U	0.38 U
Indeno(1,2,3-cd)pyrene	0.5	8.2	0.36 U	0.41 U	0.40 U	0.15 J	**220**	0.49 U	0.23 J	**130**	0.52 U	0.41	0.13 J	0.056 J	0.52 U	0.33 J
Isophorone	- -	- -	0.36 U	0.41 U	0.40 U	0.41 U	55 U	0.49 U	0.39 U	45 U	0.52 U	0.37 U	0.40 U	0.37 U	0.52 U	0.38 U
Naphthalene	100	12	0.36 U	0.41 U	0.40 U	0.27 J	**12,000 D**	0.35 J	0.39 U	**4,600 D**	0.14 J	1.5 D	0.49	0.21 J	0.23 J	0.087 J
N-Nitrosodiphenylamine	- -	- -	0.36 U	0.41 U	0.40 U	0.41 U	55 U	0.49 U	0.39 U	45 U	0.52 U	0.37 U	0.40 U	0.37 U	0.52 U	0.38 U
NYSDOH BAP TEQ(-NDs Excluded)	- -	- -	0.017	ND	ND	0.37	1,400	0.084	0.50	510	ND	0.85	0.23	0.066	ND	0.60
Pentachlorophenol	6.7	0.8	0.73 U	0.81 U	0.80 U	0.83 U	110 U	0.97 U	0.79 U	90 U	1.0 U	0.74 U	0.80 U	0.74 U	1.0 U	0.76 U
Phenanthrene	100	1,000	13 D	0.41 U	0.40 U	0.81	**5,700 D**	0.35 J	0.59	**2,500 D**	0.083 J	3.3 D	0.55	0.38	0.52 U	0.77
Phenol	100	0.33	0.36 U	0.41 U	0.40 U	0.41 U	55 U	0.49 U	0.39 U	45 U	0.52 U	0.37 U	0.40 U	0.37 U	0.52 U	0.38 U
Pyrene	100	1,000	1.6	0.41 U	0.40 U	0.50	**2,700 D**	0.18 J	0.41	**1,200 D**	0.52 U	1.5 D	0.59	0.26 J	0.52 U	0.66
Total SVOCs	- -	- -	92 J	ND	ND	5.7 J	44,000 J	1.9 J	4.8 J	18,000 J	0.22 J	23 J	5.8 J	2.6 J	0.31 J	6.5 J
Total PAHs	500[1]	- -	91 J	ND	ND	5.5 J	41,000 J	1.9 J	4.1 J	17,000 J	0.22 J	22 J	5.0 J	2.5 J	0.31 J	6.5 J
Diesel Range Organics (DRO)																
C10-C28 DRO	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diesel Range Organics (DRO)	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	610	190	97	16 U	190
Gasoline	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.2 J	0.13 J	0.56 U	0.78 J	0.39 J

See Notes on Page 23.

Table 9b. Summary of Soil Analytical Results for Detected SVOCs and DRO (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: / Sample Depth(Feet): / Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-278 15 - 17 02/26/07	SB-278 17 - 19 02/26/07	SB-278 19 - 21 02/26/07	SB-279 14 - 16 03/01/07	SB-279 20 - 22 03/01/07	SB-279 24 - 26 03/01/07	SB-279 28 - 30 03/01/07	SB-280 5 - 7 03/01/07	SB-280 7 - 9 03/01/07	SB-280 20 - 22 03/01/07	SB-280 28 - 30 03/01/07	SB-281 7 - 9 02/27/07	SB-281 9 - 11 02/27/07	SB-281 13 - 15 02/27/07
Semi Volatile Organics																
1,1-Biphenyl	- -	- -	0.38 U	0.38 U	0.52 U	0.55	0.42	0.40 U	0.42 U	0.40 U	3.0	0.39 U	0.38 U	0.38 U	0.13 J	0.095 J
2,4-Dimethylphenol	- -	- -	0.38 U	0.38 U	0.52 U	0.51	0.22 J	0.40 U	0.42 U	0.40 U	0.75 J	0.39 U	0.38 U	0.38 U	0.38 U	0.39 U
2,4-Dinitrotoluene	- -	- -	0.38 U	0.38 U	0.52 U	0.45 U	0.40 U	0.40 U	0.42 U	0.40 U	1.3 U	0.39 U	0.38 U	0.38 U	0.38 U	0.39 U
2-Methylnaphthalene	- -	- -	0.38 U	0.079 J	0.52 U	3.7 D	2.6 D	0.40 U	0.42 U	0.40 U	5.5	0.39 U	0.38 U	0.074 J	0.42	0.062 J
2-Methylphenol	100	0.33	0.38 U	0.38 U	0.52 U	**0.34 J**	0.12 J	0.40 U	0.42 U	0.40 U	1.3 U	0.39 U	0.38 U	0.38 U	0.38 U	0.39 U
4-Chloroaniline	- -	- -	0.38 U	0.38 U	0.52 U	0.45 U	0.40 U	0.40 U	0.42 U	0.40 U	1.3 U	0.39 U	0.38 U	0.38 U	0.38 U	0.39 U
4-Chlorophenyl-phenylether	- -	- -	0.38 U	0.38 U	0.52 U	0.45 U	0.40 U	0.40 U	0.42 U	0.40 U	1.3 U	0.39 U	0.38 U	0.38 U	0.38 U	0.39 U
4-Methylphenol	100	0.33	0.75 U	0.75 U	1.0 U	**0.54 J**	0.20 J	0.80 U	0.84 U	0.80 U	2.6 U	0.79 U	0.76 U	0.75 U	0.76 U	0.79 U
Acenaphthene	100	98	0.38 U	0.060 J	0.52 U	0.54	0.38 J	0.40 U	0.42 U	0.16 J	2.4	0.39 U	0.38 U	0.18 J	0.95	0.29 J
Acenaphthylene	100	107	0.38 U	0.10 J	0.52 U	0.55	0.31 J	0.40 U	0.42 U	4.6 D	9.8	0.39 U	0.38 U	0.14 J	0.26 J	0.47
Anthracene	100	1,000	0.38 U	0.25 J	0.52 U	2.8 D	1.7	0.40 U	0.42 U	1.7 D	36 J	0.39 U	0.38 U	0.59	1.0	1.0
Benzaldehyde	- -	- -	0.38 U	0.38 U	0.52 U	0.45 UJ	0.40 UJ	0.40 UJ	0.42 UJ	0.40 UJ	1.3 UJ	0.39 UJ	0.38 UJ	0.38 U	0.38 U	0.39 UJ
Benzo(a)anthracene	1	1	0.38 U	0.92	0.52 U	**4.6 D**	**3.2 D**	0.40 U	0.42 U	**7.8 D**	**98 D**	0.39 U	0.38 U	0.84	**2.5**	**1.5**
Benzo(a)pyrene	1	22	0.38 U	1.0	0.52 U	4.5 D	3.1 D	0.40 U	0.42 U	8.2 D	**85 D**	0.39 U	0.38 U	0.80	3.0	1.5
Benzo(b)fluoranthene	1	1.7	0.38 U	0.89	0.52 U	**3.2 D**	**1.9 D**	0.40 U	0.42 U	**11 D**	**81 D**	0.39 U	0.38 U	0.60	**2.5**	1.1
Benzo(g,h,i)perylene	100	1,000	0.38 U	0.81	0.52 U	2.4 D	1.7 D	0.40 U	0.42 U	8.2 D	76 D	0.39 U	0.38 U	0.55	2.1	0.75
Benzo(k)fluoranthene	3.9	1.7	0.38 U	0.81	0.52 U	**3.5 D**	**2.7 D**	0.40 U	0.42 U	**8.8 D**	**92 D**	0.39 U	0.38 U	0.73	1.7	1.1 J
bis(2-Ethylhexyl)phthalate	- -	- -	0.38 U	0.79	0.52 U	0.45 U	0.15 JB	0.40 U	0.42 U	0.40 U	1.3 U	0.49	0.38 U	0.38 U	0.38 U	0.39 U
Butylbenzylphthalate	- -	- -	0.38 U	0.38 U	0.52 U	0.45 U	0.40 U	0.40 U	0.42 U	0.40 U	1.3 U	0.39 U	0.38 U	0.38 U	0.38 U	0.39 U
Caprolactam	- -	- -	0.38 U	0.38 U	0.52 U	0.45 U	0.40 U	0.40 U	0.42 U	0.40 U	1.3 U	0.39 U	0.38 U	0.38 U	0.38 U	0.39 U
Carbazole	- -	- -	0.38 U	0.13 J	0.52 U	2.1 D	1.5 J	0.40 U	0.42 U	0.46 J	13 J	0.39 U	0.38 U	0.45 J	0.72 J	0.37 J
Chrysene	3.9	1	0.38 U	0.96	0.52 U	**4.4 D**	**3.2 D**	0.40 U	0.42 U	**7.7 D**	**95 D**	0.39 U	0.38 U	0.80	**2.5**	**1.4**
Dibenzo(a,h)anthracene	0.33	1,000	0.38 U	0.29 J	0.52 U	0.90 D	0.63	0.40 U	0.42 U	2.1 D	9.4	0.39 U	0.38 U	0.17 J	0.63	0.23 J
Dibenzofuran	59	210	0.38 U	0.060 J	0.52 U	1.7 D	1.2 D	0.40 U	0.42 U	0.15 J	16	0.39 U	0.38 U	0.56	1.0	0.53
Diethylphthalate	- -	- -	0.38 U	0.38 U	0.52 U	0.45 U	0.40 U	0.40 U	0.42 U	0.40 U	1.3 U	0.39 U	0.38 U	0.38 U	0.38 U	0.39 U
Dimethylphthalate	- -	- -	0.38 U	0.38 U	0.52 U	0.45 U	0.40 U	0.40 U	0.42 U	0.40 U	1.3 U	0.39 U	0.38 U	0.38 U	0.38 U	0.39 U
Di-n-Butylphthalate	- -	- -	0.38 U	0.38 U	0.52 U	0.45 U	0.40 U	0.40 U	0.42 U	0.40 U	1.3 U	0.39 U	0.38 U	0.38 U	0.38 U	0.39 U
Di-n-Octylphthalate	- -	- -	0.38 U	0.38 U	0.52 U	0.45 U	0.40 U	0.40 U	0.42 U	0.40 U	1.3 U	0.39 U	0.38 U	0.38 U	0.38 U	0.39 U
Fluoranthene	100	1,000	0.38 U	1.5	0.52 U	8.1 D	6.1 D	0.40 U	0.42 U	14 D	210 D	0.39 U	0.38 U	1.7	5.3	3.9
Fluorene	100	386	0.38 U	0.076 J	0.52 U	2.1 D	1.4 D	0.40 U	0.42 U	0.55	6.9	0.39 U	0.38 U	0.65	1.0	0.70
Hexachlorobenzene	1.2	3.2	0.38 U	0.38 U	0.52 U	0.45 U	0.40 U	0.40 U	0.42 U	0.40 U	1.3 U	0.39 U	0.38 U	0.38 U	0.38 U	0.39 U
Indeno(1,2,3-cd)pyrene	0.5	8.2	0.38 U	0.81	0.52 U	2.3 D	1.6 D	0.40 U	0.42 U	**9.7 D**	**80 D**	0.39 U	0.38 U	0.56	2.1	0.85
Isophorone	- -	- -	0.38 U	0.38 U	0.52 U	0.45 U	0.40 U	0.40 U	0.42 U	0.40 U	1.3 U	0.39 U	0.38 U	0.38 U	0.38 U	0.39 U
Naphthalene	100	12	0.38 U	0.070 J	0.52 U	9.6 D	6.3 D	0.40 U	0.42 U	0.40 U	3.8	0.39 U	0.38 U	0.076 J	0.78	0.48
N-Nitrosodiphenylamine	- -	- -	0.38 U	0.38 U	0.52 U	0.45 U	0.40 U	0.40 U	0.42 U	0.40 U	1.3 U	0.39 U	0.38 U	0.38 U	0.38 U	0.39 U
NYSDOH BAP TEQ(-NDs Excluded)	- -	- -	ND	1.6	ND	6.5	4.5	ND	ND	13	120	ND	ND	1.2	4.4	2.1
Pentachlorophenol	6.7	0.8	0.75 U	0.75 U	1.0 U	0.89 U	0.80 U	0.80 U	0.84 U	0.80 U	R	0.79 U	0.76 U	0.75 U	0.76 U	0.79 U
Phenanthrene	100	1,000	0.38 U	0.93	0.52 U	9.8 D	6.9 D	0.40 U	0.42 U	5.7 D	170 D	0.39 U	0.38 U	0.51	4.8	1.7
Phenol	100	0.33	0.38 U	0.38 U	0.52 U	**0.95 D**	0.20 J	0.40 U	0.42 U	0.40 U	1.3 U	0.39 U	0.38 U	0.38 U	0.38 U	0.39 U
Pyrene	100	1,000	0.069 J	1.5	0.52 U	8.4 D	5.8	0.40 U	0.42 U	13 D	180 D	0.39 U	0.38 U	1.5	4.8	2.7
Total SVOCs	- -	- -	0.069 J	12 J	ND	78 J	53 J	ND	ND	100 J	1,300 J	0.49	ND	12 J	38 J	21 J
Total PAHs	500[1]	- -	0.069 J	11 J	ND	71	50 J	ND	ND	100 J	1,200 J	ND	ND	11 J	36 J	20 J
Diesel Range Organics (DRO)																
C10-C28 DRO	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diesel Range Organics (DRO)	- -	- -	11 U	32	16 U	NA	NA	NA	NA	NA	NA	NA	NA	32	99	78
Gasoline	- -	- -	0.1 J	0.24 J	0.81	NA	NA	NA	NA	NA	NA	NA	NA	0.57 U	0.57 U	0.15 J

See Notes on Page 23.

Table 9b. Summary of Soil Analytical Results for Detected SVOCs and DRO (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-281 17 - 19 02/27/07	SB-334A 11 04/30/08	SB-334A 14 04/30/08	SB-338B 11 05/01/08	SB-338B 20 - 21 05/01/08	SB-339A 19 - 20 05/01/08	SB-A 2 09/05/08	SB-A 7 - 8 03/05/07	SB-A 8 09/05/08	SB-A 21 09/05/08	SB-A 24 - 25 03/05/07	SB-A 32 09/05/08	SB-C 9 - 9.5 10/09/08	SB-C 14 09/08/08
Semi Volatile Organics																
1,1-Biphenyl	- -	- -	0.45 U	NA	NA	NA	NA	NA	NA	0.12 J	NA	NA	0.52 U	NA	NA	NA
2,4-Dimethylphenol	- -	- -	0.45 U	3.9 U	43	1.8 J	0.34 J	0.41 U	0.30 U	0.40 U	0.30 U	0.30 U	0.52 U	0.27 U	0.33 U	0.28 U
2,4-Dinitrotoluene	- -	- -	0.45 U	3.9 U	16 U	3.9 U	0.37 U	0.41 U	0.30 U	0.40 U	0.30 U	0.30 U	0.52 U	0.27 U	0.33 U	0.28 U
2-Methylnaphthalene	- -	- -	0.071 J	300 D	740 D	130 D	20 D	5.8	0.30 U	3.1	0.30 U	7.2 D	0.52 U	0.27 U	0.33 U	16 D
2-Methylphenol	100	0.33	0.45 U	3.9 U	16 U	3.9 U	0.37 U	0.41 U	0.30 U	0.40 U	0.30 U	0.30 U	0.52 U	0.27 U	0.33 U	0.28 U
4-Chloroaniline	- -	- -	0.45 U	3.9 U	16 U	3.9 U	0.37 U	0.41 U	0.30 U	0.40 U	0.30 U	0.30 U	0.52 U	0.27 U	0.33 U	0.28 U
4-Chlorophenyl-phenylether	- -	- -	0.45 U	3.9 U	16 U	3.9 U	0.37 U	0.41 U	0.30 U	0.40 U	0.30 U	0.30 U	0.52 U	0.27 U	0.33 U	0.28 U
4-Methylphenol	100	0.33	0.89 U	3.9 U	16 U	3.9 U	0.37 U	0.41 U	0.30 U	0.80 U	0.30 U	0.30 U	1.0 U	0.27 U	0.33 U	0.28 U
Acenaphthene	100	98	1.1	**110 D**	57	17	6.7 D	11 D	0.30 U	0.26 J	0.30 U	2.3	0.52 U	0.27 U	0.087 J	0.13 J
Acenaphthylene	100	107	0.45 U	33	**220**	41	5.9 D	3.9	0.30 U	0.40 U	0.30 U	1.8 D	0.52 U	0.27 U	0.12 J	0.28 U
Anthracene	100	1,000	0.19 J	84 D	160	35	8.3 D	11 D	0.30 U	0.30 J	0.088 J	3.8	0.52 U	0.27 U	0.28 J	0.28 U
Benzaldehyde	- -	- -	0.45 UJ	NA	NA	NA	NA	NA	NA	0.40 U	NA	NA	0.52 U	NA	NA	NA
Benzo(a)anthracene	1	1	0.15 J	**50**	**130**	**24**	**6.0 D**	**6.4**	0.17 J	0.38 J	0.12 J	**2.7**	0.52 U	0.27 U	0.53	0.28 U
Benzo(a)pyrene	1	22	0.14 J	**31 J**	**83 J**	16 J	4.1 J	3.9 J	0.29 J	0.36 J	0.30 U	1.9	0.52 U	0.27 U	0.48 J	0.28 U
Benzo(b)fluoranthene	1	1.7	0.094 J	**32 J**	**89 J**	**16 J**	**4.4 J**	**4.2 J**	0.27 J	0.33 J	0.12 J	1.6	0.52 U	0.27 U	0.47 J	0.28 U
Benzo(g,h,i)perylene	100	1,000	0.066 J	7.4 J	22 J	4.0 J	0.89 J	0.86 J	0.45	0.24 J	0.093 J	1.1	0.52 U	0.27 U	0.28 J	0.28 U
Benzo(k)fluoranthene	3.9	1.7	0.11 J	**15 J**	**37 J**	**7.2 J**	**1.8 J**	1.6 J	0.085 J	0.25 J	0.30 U	0.59	0.52 U	0.27 U	0.17 J	0.28 U
bis(2-Ethylhexyl)phthalate	- -	- -	0.45 U	3.9 U	16 U	3.9 U	0.37 U	0.41 U	0.30 U	0.17 J	0.30 U	0.30 UB	0.52 U	0.65 UB	0.33 U	0.28 U
Butylbenzylphthalate	- -	- -	0.45 U	3.9 U	16 U	3.9 U	0.37 U	0.41 U	0.30 U	0.40 U	0.30 U	0.30 U	0.52 U	0.27 U	0.33 U	0.28 U
Caprolactam	- -	- -	0.45 U	NA	NA	NA	NA	NA	NA	0.40 U	NA	NA	0.52 U	NA	NA	NA
Carbazole	- -	- -	0.20 J	20	55	19	5.2	0.91	0.30 U	0.10 J	0.30 U	1.1	0.52 U	0.27 U	0.084 J	0.28 U
Chrysene	3.9	1	0.15 J	**46**	**110**	**22**	**5.7**	**6.3**	0.20 J	0.37 J	0.10 J	**2.5**	0.52 U	0.27 U	0.55	0.28 U
Dibenzo(a,h)anthracene	0.33	1,000	0.45 U	3.8 J	11 J	1.9 J	0.38 J	0.44 J	0.27 J	0.40 U	0.30 U	0.30 U	0.52 U	0.27 U	0.081 J	0.28 U
Dibenzofuran	59	210	0.091 J	45	130	26	5.8	3.6	0.30 U	0.14 J	0.30 U	2.5	0.52 U	0.27 U	0.083 J	0.28 U
Diethylphthalate	- -	- -	0.45 U	3.9 U	16 U	3.9 U	0.37 U	0.41 U	0.30 U	0.40 U	0.30 U	0.30 U	0.52 U	0.27 U	0.33 U	0.28 U
Dimethylphthalate	- -	- -	0.45 U	3.9 U	16 U	3.9 U	0.37 U	0.41 U	0.30 U	0.40 U	0.30 U	0.30 U	0.52 U	0.27 U	0.33 U	0.28 U
Di-n-Butylphthalate	- -	- -	0.45 U	3.9 U	16 U	3.9 U	0.37 U	0.41 U	0.30 U	0.40 U	0.30 U	0.30 U	0.52 U	0.27 U	0.33 U	0.28 U
Di-n-Octylphthalate	- -	- -	0.45 U	3.9 U	16 U	3.9 U	0.37 U	0.41 U	0.30 U	0.40 U	0.30 U	0.30 U	0.52 U	0.27 U	0.33 U	0.28 U
Fluoranthene	100	1,000	0.41 J	120 D	360 D	52	12 D	13 D	0.21 J	0.92	0.30 J	5.0	0.52 U	0.27 U	1.2	0.28 U
Fluorene	100	386	0.52	100 D	200	40	10 D	9.4 D	0.30 U	0.32 J	0.30 U	4.0 D	0.52 U	0.27 U	0.12 J	0.18 J
Hexachlorobenzene	1.2	3.2	0.45 U	3.9 U	16 U	3.9 U	0.37 U	0.41 U	0.30 U	0.40 U	0.30 U	0.30 U	0.52 U	0.27 U	0.33 U	0.28 U
Indeno(1,2,3-cd)pyrene	0.5	8.2	0.076 J	**10 J**	**29 J**	5.4 J	1.2 J	1.2 J	0.43	0.25 J	0.30 U	1.3	0.52 U	0.27 U	0.32 J	0.28 U
Isophorone	- -	- -	0.45 U	3.9 U	16 U	3.9 U	0.37 U	0.41 U	0.30 U	0.40 U	0.30 U	0.30 U	0.52 U	0.27 U	0.33 U	0.28 U
Naphthalene	100	12	0.87	**930 D**	**2,700 J**	**450 D**	**57 D**	**52 D**	0.073 J	2.1	0.17 J	**24 D**	0.13 J	0.27 U	0.075 J	**22 D**
N-Nitrosodiphenylamine	- -	- -	0.45 U	3.9 U	16 U	3.9 U	0.37 U	0.41 U	0.30 U	0.40 U	0.30 U	0.30 U	0.52 U	0.27 U	0.33 U	0.28 U
NYSDOH BAP TEQ(-NDs Excluded)	- -	- -	0.18	45	120	23	5.7	5.6	0.65	0.46	0.025	2.5	ND	ND	0.70	ND
Pentachlorophenol	6.7	0.8	0.89 U	19 U	80 U	19 U	1.8 U	2.0 U	1.9 U	0.80 U	1.9 U	1.9 U	1.0 U	1.7 U	2.1 U	1.8 U
Phenanthrene	100	1,000	0.35 J	380 D	860 D	140 d	30 D	60 D	0.18 J	1.1	0.29 J	11 D	0.083 J	0.27 U	1.1	0.25 J
Phenol	100	0.33	0.45 U	3.9 U	16 U	3.9 U	0.37 U	0.41 U	0.30 U	0.40 U	0.30 U	0.30 U	0.52 U	0.27 U	0.33 U	0.28 U
Pyrene	100	1,000	0.38 J	120 D	170	33	11 D	13 D	0.25 J	0.76	0.24 J	4.9	0.52 U	0.27 U	0.91	0.28 U
Total SVOCs	- -	- -	5.0 J	2,400 J	6,200 J	1,100 J	200 J	210 J	2.9 J	12 J	1.5 J	79	0.21 J	ND	6.9 J	39 J
Total PAHs	500[1]	- -	4.7 J	2,400 J	6,000 J	1,000 J	190 J	200 J	2.9 J	11 J	1.5 J	76	0.21 J	ND	6.8 J	39 J
Diesel Range Organics (DRO)																
C10-C28 DRO	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,260 [1,780]
Diesel Range Organics (DRO)	- -	- -	18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline	- -	- -	0.11 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Page 23.

Table 9b. Summary of Soil Analytical Results for Detected SVOCs and DRO (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-C 22 09/08/08	SB-C 28 - 28.5 10/09/08	SB-C 36 09/09/08	SB-C 39 - 39.5 10/09/08	SB-C 41 - 41.5 10/09/08	SB-D 12 09/04/08	SB-D 24 09/04/08	SC-0126 01/26/07	TP-1B 1 - 1.5 05/04/05	WELL CLUSTER A 12 08/20/08	WELL CLUSTER A 17 08/21/08
Semi Volatile Organics													
1,1-Biphenyl	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	0.060 U [0.059 UJ]	NA	NA
2,4-Dimethylphenol	- -	- -	0.30 U	0.38 U	0.33 U	0.096 J	0.41 U	0.30 U [0.29 U]	0.31 U	NA	0.058 U [0.057 UJ]	0.30 U	0.34 U
2,4-Dinitrotoluene	- -	- -	0.30 U	0.38 U	0.33 U	0.35 U	0.41 U	0.30 U [0.29 U]	0.31 U	NA	0.054 U [0.053 UJ]	0.30 U	0.34 U
2-Methylnaphthalene	- -	- -	22 D	1.5	0.33 U	13 D	0.11 J	0.30 U [0.29 U]	0.11 J	NA	1.7 [1.7]	5.1 D	1.2
2-Methylphenol	100	0.33	0.30 U	0.38 U	0.33 U	0.35 U	0.41 U	0.30 U [0.29 U]	**0.52**	NA	0.061 U [0.060 UJ]	0.30 U	0.34 U
4-Chloroaniline	- -	- -	0.30 U	0.38 U	0.33 U	0.35 U	0.41 U	0.30 U [0.29 U]	0.31 U	NA	0.043 U [0.043 UJ]	0.30 U	0.34 U
4-Chlorophenyl-phenylether	- -	- -	0.30 U	0.38 U	0.33 U	0.35 U	0.41 U	0.30 U [0.29 U]	0.31 U	NA	0.058 U [0.057 UJ]	0.30 U	0.34 U
4-Methylphenol	100	0.33	0.30 U	**0.37 J**	0.33 U	0.092 J	0.41 U	0.30 U [0.29 U]	**1.7**	NA	NA	0.30 U	0.34 U
Acenaphthene	100	98	0.12 J	1.7	0.33 U	10 D	0.41 U	0.30 U [0.29 U]	0.11 J	NA	0.065 UJ [0.064 UJ]	0.85	0.13 J
Acenaphthylene	100	107	0.30 U	0.38 J	0.33 U	1.8	0.41 U	0.30 U [0.29 U]	0.31 U	NA	0.059 U [0.058 UJ]	0.30 U	0.12 J
Anthracene	100	1,000	0.11 J	2.8	0.33 U	8.6 D	0.41 U	0.30 U [0.29 U]	0.091 J	NA	0.055 U [0.054 UJ]	0.35	0.22 J
Benzaldehyde	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	0.075 U [0.073 UJ]	NA	NA
Benzo(a)anthracene	1	1	0.11 J	**4.0**	0.33 U	**6.8**	0.41 U	0.077 J [0.060 J]	0.31 U	NA	0.051 U [0.050 UJ]	0.24 J	0.60
Benzo(a)pyrene	1	22	0.068 J	3.4 D	0.33 U	5.0 D	0.41 U	0.30 U [0.061 J]	0.31 U	NA	0.079 J [0.074 J]	0.20 J	0.50
Benzo(b)fluoranthene	1	1.7	0.30 U	**3.5 D**	0.33 U	**4.5 D**	0.41 U	0.10 J [0.071 J]	0.31 U	NA	0.084 J [0.084 J]	0.27 J	0.61
Benzo(g,h,i)perylene	100	1,000	0.30 UJ	3.3 D	0.33 U	3.6 D	0.41 U	0.086 J [0.068 J]	0.31 U	NA	0.13 J [0.11 J]	0.091 J	0.18 J
Benzo(k)fluoranthene	3.9	1.7	0.30 U	1.4 D	0.33 U	**1.9 D**	0.41 U	0.30 U [0.29 U]	0.31 U	NA	0.080 U [0.079 UJ]	0.095 J	0.25 J
bis(2-Ethylhexyl)phthalate	- -	- -	2.3	0.38 U	6.2	0.35 U	0.41 U	0.33 UB [0.55 UB]	0.31 UB	NA	0.41 [0.28 J]	0.088 J	0.21 J
Butylbenzylphthalate	- -	- -	0.30 U	0.38 U	0.33 U	0.35 U	0.41 U	0.30 U [0.29 U]	0.31 U	NA	0.28 J [0.19 J]	0.30 U	0.34 U
Caprolactam	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	0.059 U [0.058 UJ]	NA	NA
Carbazole	- -	- -	0.073 J	0.79	0.33 U	2.8	0.41 U	0.30 U [0.29 U]	0.31 U	NA	0.056 U [0.055 UJ]	0.45	0.14 J
Chrysene	3.9	1	0.086 J	**4.0**	0.33 U	**6.2**	0.41 U	0.082 J [0.065 J]	0.31 U	NA	0.066 U [0.064 UJ]	0.25 J	0.55
Dibenzo(a,h)anthracene	0.33	1,000	0.30 U	0.70 JD	0.33 U	0.90 JD	0.41 U	0.30 U [0.29 U]	0.31 U	NA	0.046 U [0.045 UJ]	0.30 U	0.054 J
Dibenzofuran	59	210	0.15 J	1.1	0.33 U	4.5	0.41 U	0.30 U [0.29 U]	0.073 J	NA	0.060 U [0.059 UJ]	0.44	0.074 J
Diethylphthalate	- -	- -	0.30 U	0.38 U	0.33 U	0.35 U	0.41 U	0.30 U [0.29 U]	0.31 U	NA	0.063 UJ [0.062 UJ]	0.30 U	0.34 U
Dimethylphthalate	- -	- -	0.30 U	0.38 U	0.33 U	0.35 U	0.41 U	0.30 U [0.29 U]	0.31 U	NA	0.059 U [0.058 UJ]	0.30 U	0.34 U
Di-n-Butylphthalate	- -	- -	0.30 U	0.38 U	0.33 U	0.35 U	0.41 U	0.30 U [0.29 U]	0.31 U	NA	0.056 U [0.055 UJ]	0.30 U	0.34 U
Di-n-Octylphthalate	- -	- -	0.30 U	0.38 U	0.33 U	0.35 U	0.41 U	0.30 U [0.29 U]	0.31 U	NA	0.062 U [0.061 UJ]	0.30 U	0.34 U
Fluoranthene	100	1,000	0.24 J	9.4 D	0.33 U	13 D	0.11 J	0.15 J [0.11 J]	0.11 J	NA	0.054 U [0.053 UJ]	0.90	1.5
Fluorene	100	386	0.42	1.5	0.33 U	9.4 D	0.41 U	0.30 U [0.29 U]	0.11 J	NA	0.062 U [0.060 UJ]	0.66	0.13 J
Hexachlorobenzene	1.2	3.2	0.30 U	0.38 U	0.33 U	0.35 U	0.41 U	0.30 U [0.29 U]	0.31 U	NA	0.058 U [0.057 UJ]	0.30 U	0.34 U
Indeno(1,2,3-cd)pyrene	0.5	8.2	0.30 U	3.0 D	0.33 U	2.0	0.41 U	0.30 U [0.073 J]	0.31 U	NA	0.10 J [0.093 J]	0.10 J	0.22 J
Isophorone	- -	- -	0.30 U	0.38 U	0.33 U	0.35 U	0.41 U	0.30 U [0.29 U]	0.31 U	NA	0.055 U [0.054 UJ]	0.30 U	0.34 U
Naphthalene	100	12	**47 D**	5.6	0.33 U	**27 D**	0.33 J	0.30 U [0.29 U]	0.18 J	NA	1.4 [1.2]	10 D	2.6
N-Nitrosodiphenylamine	- -	- -	0.30 U	0.38 U	0.33 U	0.35 U	0.41 U	0.30 U [0.29 U]	0.31 U	NA	0.060 U [0.059 UJ]	0.30 U	0.34 U
NYSDOH BAP TEQ(-NDs Excluded)	- -	- -	0.080	5.2	ND	7.3	ND	0.019 [0.082]	ND	NA	0.097 [0.092]	0.26	0.71
Pentachlorophenol	6.7	0.8	1.9 U	2.4 U	2.1 U	2.2 U	2.6 U	1.9 U [1.8 U]	1.9 UJ	NA	0.085 U [0.083 UJ]	1.9 U	2.1 U
Phenanthrene	100	1,000	0.51	6.9	0.33 U	26 D	0.23 J	0.10 J [0.092 J]	0.26 J	NA	0.092 J [0.088 J]	1.1	0.76
Phenol	100	0.33	0.30 U	0.38 U	0.33 U	0.35 U	0.41 U	0.30 U [0.29 U]	**1.5**	NA	0.055 U [0.054 UJ]	0.30 U	0.34 U
Pyrene	100	1,000	0.22 J	10 D	0.33 U	13 D	0.12 J	0.14 J [0.11 J]	0.12 J	NA	0.10 J [0.10 J]	0.46	0.64
Total SVOCs	- -	- -	73 J	65 J	6.2	160 J	0.90 J	0.74 J [0.71 J]	4.9 J	NA	4.4 J [3.9 J]	22 J	11 J
Total PAHs	500[1]	- -	71 J	63 J	ND	150 J	0.90 J	0.74 J [0.71 J]	1.1 J	NA	3.7 J [3.5 J]	21 J	10 J
Diesel Range Organics (DRO)													
C10-C28 DRO	- -	- -	3,420	NA	NA	NA	NA	NA	NA	NA	NA	613	202
Diesel Range Organics (DRO)	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Page 23.

Table 9b. Summary of Soil Analytical Results for Detected SVOCs and DRO (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	WELL CLUSTER A 20 08/21/08	WELL CLUSTER B 1 08/20/08	WELL CLUSTER B 9 - 9.5 10/09/08	WELL CLUSTER B 10 08/22/08	WELL CLUSTER B 20 08/22/08	WELL CLUSTER B 30 - 30.5 10/09/08	WELL CLUSTER B 32 - 32.5 10/09/08	WELL CLUSTER C 11 08/26/08	WELL CLUSTER C 21 08/26/08
Semi Volatile Organics											
1,1-Biphenyl	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	- -	- -	0.32 U	0.12 J	0.33 U	0.29 U	0.30 U	0.32 [0.27 J]	0.42 U	0.30 U	6.3 U
2,4-Dinitrotoluene	- -	- -	0.32 U	0.30 U	0.33 U	0.29 U	0.30 U	0.30 U [0.31 U]	0.42 U	0.30 U	6.3 U
2-Methylnaphthalene	- -	- -	0.54	5.5 D	0.33 U	5.0	3.9	3.1 [2.6]	2.8	0.094 J	270 E
2-Methylphenol	100	0.33	0.32 U	0.30 U	0.33 U	0.29 U	0.30 U	0.30 U [0.31 U]	0.42 U	0.30 U	**2.9 J**
4-Chloroaniline	- -	- -	0.32 U	0.30 U	0.33 U	0.29 U	0.30 U	0.30 U [0.31 U]	0.42 U	0.30 U	6.3 U
4-Chlorophenyl-phenylether	- -	- -	0.32 U	0.30 U	0.33 U	0.29 U	0.30 U	0.30 U [0.31 U]	0.42 U	0.30 U	6.3 U
4-Methylphenol	100	0.33	0.32 U	0.30 U	0.33 U	0.29 U	0.30 U	0.13 J [0.083 J]	0.42 U	0.30 U	6.3 U
Acenaphthene	100	98	0.36	0.30 U	0.33 U	0.49	0.73	3.3 [3.1]	0.88	0.30 U	33
Acenaphthylene	100	107	0.18 J	0.30 U	0.14 J	0.29 U	0.90	2.3 [1.6]	0.42 U	0.30 U	**130 D**
Anthracene	100	1,000	0.45	0.098 J	0.33 U	0.17 J	2.1	9.2 D [9.1 D]	1.3	0.096 J	140 D
Benzaldehyde	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	1	1	0.31 J	0.11 J	0.33 U	0.17 J	**1.2**	**7.1 D [6.0]**	0.35 J	0.081 J	**110**
Benzo(a)pyrene	1	22	0.23 J	0.13 J	0.33 U	0.17 J	0.77	5.4 [4.3]	0.97 J	0.074 J	**78**
Benzo(b)fluoranthene	1	1.7	0.25 J	0.26 J	0.33 U	0.14 J	0.71	**5.3 [4.3]**	0.18 J	0.088 J	**63**
Benzo(g,h,i)perylene	100	1,000	0.073 J	0.075 J	0.33 U	0.14 J	0.44	1.4 [1.1]	0.42 U	0.083 J	34
Benzo(k)fluoranthene	3.9	1.7	0.11 J	0.054 J	0.33 U	0.049 J	0.28 J	**2.3 [1.9]**	0.073 J	0.30 U	**27**
bis(2-Ethylhexyl)phthalate	- -	- -	0.30 J	1.8	0.33 U	0.077 J	0.84	0.30 U [0.31 U]	0.42 U	27 D	1.5 J
Butylbenzylphthalate	- -	- -	0.32 U	0.30 U	0.33 U	0.29 U	0.30 U	0.30 U [0.31 U]	0.42 U	0.30 U	6.3 U
Caprolactam	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	- -	- -	0.27 J	0.30 U	0.33 U	0.29 U	0.66	5.2 [4.9]	0.72	0.30 U	59
Chrysene	3.9	1	0.29 J	0.13 J	0.33 U	0.21 J	**1.1**	**6.4 D [5.6]**	0.44	0.095 J	**100**
Dibenzo(a,h)anthracene	0.33	1,000	0.32 U	0.051 J	0.33 U	0.062 J	0.16 J	0.61 [0.49]	0.42 U	0.30 U	14
Dibenzofuran	59	210	0.29 J	0.30 U	0.33 U	0.17 J	1.5	3.6 [3.1]	0.89	0.30 U	100
Diethylphthalate	- -	- -	0.32 U	0.30 U	0.33 U	0.29 U	0.30 U	0.30 U [0.31 U]	0.42 U	0.30 U	6.3 U
Dimethylphthalate	- -	- -	0.32 U	0.30 U	0.33 U	0.29 U	0.30 U	0.30 U [0.31 U]	0.42 U	0.30 U	6.3 U
Di-n-Butylphthalate	- -	- -	0.32 U	0.30 U	0.33 U	0.29 U	0.30 U	0.30 U [0.31 U]	0.42 U	0.30 U	6.3 U
Di-n-Octylphthalate	- -	- -	0.32 U	0.30 U	0.33 U	0.29 U	0.30 U	0.30 U [0.31 U]	0.42 U	0.064 J	6.3 U
Fluoranthene	100	1,000	0.79	0.14 J	0.33 U	0.40	2.5	11 D [10 D]	1.1	0.20 J	220 D
Fluorene	100	386	0.48	0.091 J	0.33 U	0.39	1.7	11 D [8.6 D]	1.6	0.070 J	150 D
Hexachlorobenzene	1.2	3.2	0.32 U	0.30 U	0.33 U	0.29 U	0.30 U	0.30 U [0.31 U]	0.42 U	0.30 U	6.3 U
Indeno(1,2,3-cd)pyrene	0.5	8.2	0.087 J	0.14 J	0.33 U	0.10 J	0.49	1.7 [1.4]	0.094 J	0.077 J	**38**
Isophorone	- -	- -	0.32 U	0.30 U	0.33 U	0.29 U	0.30 U	0.30 U [0.31 U]	0.42 U	0.30 U	6.3 U
Naphthalene	100	12	0.76	5.8	0.33 U	2.5	**16 D**	**16 D [14 D]**	**14 D**	0.30 U	**640 E**
N-Nitrosodiphenylamine	- -	- -	0.32 U	0.30 U	0.33 U	0.29 U	0.30 U	0.30 U [0.31 U]	0.42 U	0.30 U	6.3 U
NYSDOH BAP TEQ(-NDs Excluded)	- -	- -	0.30	0.23	ND	0.28	1.2	7.5 [6.0]	1.0	0.10	110
Pentachlorophenol	6.7	0.8	2.0 U	1.9 U	2.1 U	1.9 U	1.9 U	1.9 U [2.0 U]	2.7 U	1.9 U	40 U
Phenanthrene	100	1,000	1.3	0.18 J	0.33 U	0.84	5.9 D	21 D [18 D]	6.4	0.35	420 D
Phenol	100	0.33	0.32 U	0.30 U	0.33 U	0.29 U	0.30 U	0.30 U [0.31 U]	0.42 U	0.30 U	6.3 U
Pyrene	100	1,000	0.39	0.10 J	0.33 U	0.37	2.3	12 D [11 D]	0.85	0.21 J	190 D
Total SVOCs	- -	- -	7.5 J	15 J	0.14 J	11 J	44 J	130 J [110 J]	33 J	29 J	2,800 J
Total PAHs	500[1]	- -	6.6 J	13 J	0.14 J	11 J	41 J	120 [100]	31 J	1.5 J	2,700
Diesel Range Organics (DRO)											
C10-C28 DRO	- -	- -	96.5	NA	NA	918	NA	NA	NA	NA	15,300
Diesel Range Organics (DRO)	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Page 23.

Table 9b. Summary of Soil Analytical Results for Detected SVOCs and DRO (ppm), Consolidated Edison, West 18th Street, New York, New York

Notes:

1. Samples were collected by the following:
   - TRC Environmental Corporation from April 2005 to May 2005.
   - ARCADIS from June 2006 to the present.
2. Laboratory analysis of the June 2006 samples and the 2008 samples were performed by TestAmerica Laboratories, Inc. (TestAmerica) of Shelton, Connecticut for Semi Volatile Organic Compounds (SVOCs)/Polynuclear Aromatic Hydrocarbons (PAHs) using USEPA SW-846 Method 8270C.
3. Laboratory analysis of the September 2006, October 2006, November 2006, December 2006, and the 2007 samples were performed by CompuChem Laboratories, Inc. located in Cary, North Carolina for SVOCs/PAHs using USEPA SW-846 Method 8270.
4. Laboratory analysis of the April and May 2005 samples (TRC samples) were performed by ChemTech Laboratories, located in Mountainside, New Jersey for SVOCs/PAHs using USEPA SW-846 Method 8270.
5 Diesel Range Organics (DRO) analysis where analyzed by Alpha Analytical of Mansfield, Massachusetts for DRO via gas chromatography/flame ionization detector (GC/FID) using USEPA SW-846 Method 8015B (modified).
6. NYSDEC = New York State Department of Environmental Conservation.
7. bgs = below ground surface.
8. All concentrations reported in dry weight parts per million (ppm), which is equivalent to milligrams per kilogram (mg/kg).
9. Field duplicate sample results are presented in brackets.
10. Data qualifiers are defined as follows:
    D = The compound was found at a dilution factor.
    J = Data indicate the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
    ND = None detected.
    U = The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
    UJ = The compound was analyzed for but not detected. The associated value is the estimated compound quantitation limit.
11. 6 NYCRR Part 375 Restricted Use Soil Cleanup Objectives (SCOs) are from Title 6 of the Official Compilation of Codes, Rules, and Regulations of the State of New York (6 NYCRR) Part 375-6.8(b).
12. - - = No 6 NYCRR Part 375 SCO listed.
13. NA = Not Analyzed.
14. Bolding indicates that the sample result exceeds NYSDEC Restricted Use SCO - Protection of Groundwater.
15. Shading indicates that the sample result exceeds NYSDEC Restricted Use SCO - Restricted Residential. Samples Exceeding 500 ppm for total PAHs have also been shaded.
16. Only those constituents detected in one or more samples are summarized.
17. 500^{1} = where ^{1} refers to the criteria for total PAHs from TAGM 4046 Soil Guidance Values. TAGM 4046 Soil Guidance Values are from the NYSDEC Technical and Administrative Guidance Memorandum (TAGM) titled "Determination of Soil Cleanup Objectives and Cleanup Levels," HWR-94-4046 (TAGM 4046) dated January 24, 1994.

Table 9c. Summary of Soil Analytical Results for Detected Inorganics (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	MTP-1 3 - 4 02/10/07	MTP-1 8 - 9 02/10/07	MTP-1 19 - 20 02/10/07	MTP-1 23 - 24 02/10/07	MTP-2 9 - 10 02/10/07	MTP-2 18 - 19 02/10/07	MTP-2 22 - 23 02/10/07	MTP-2 24 - 25 02/10/07	MTP-3 8 - 9 03/03/07	MTP-3 24 - 25 03/03/07	SB-1 5 - 5.5 05/03/05	SB-2 1 - 1.5 05/02/05	SB-2 2 - 2.5 05/02/05	SB-2 5 - 7 05/06/05
Inorganics																
Amenable Cyanide	- -	- -	0.130 U	0.130 U	0.170 U	0.150 U	0.140 U	78.1 U	0.130 U	0.370 B	NA	NA	0.510 UJ	0.539 U	0.543 U	0.630 U
Antimony	- -	- -	0.460 J	0.200 J	0.220 UJ	0.440 J	0.350 J	1.30 J	0.190 UJ	0.170 UJ	0.600 J	0.570 J	0.330 U	0.350 U	0.804 J	0.412 U
Arsenic	16	16	2.20 J	1.20 J	4.80 J	3.00 J	5.00 J	9.40 J	0.550 J	0.630 J	2.80	10.0	0.745 J	4.21	0.776 J	2.70
Beryllium	72	47	0.320 B	0.330 B	0.550 B	0.610	0.310 B	0.300 B	0.250 B	0.270 B	0.600 B	0.760	0.176 J	0.344 J	0.274 J	0.674
Cadmium	4.3	7.5	0.550 U	0.0200 U	0.650 U	0.0200 U	0.360 B	0.630 U	0.0200 U	0.0200 U	0.0200 U	0.0300 U	0.0330 U	0.0350 U	0.0350 U	0.0410 U
Chromium	- -	- -	11.7	11.8	18.1	23.2	11.5	9.70	10.3	11.5	17.0	27.6	6.64 J	16.4 J	12.5 J	32.4 J
Copper	270	1,720	18.8 J	14.7 J	18.1 J	26.1 J	38.3 J	30.3 J	8.20 J	7.70 J	17.9	16.5	9.84	16.5	12.7	39.9
Cyanide	27	40	0.130 U	NA	NA	NA	2.20	**179**	0.530 U	0.520 U	0.150 U	0.180 U	0.508 U	0.539 U	0.543 U	0.628 U
Lead	400	450	178 J	11.5 J	12.4 J	14.1 J	76.7 J	**1,430 J**	2.90 J	3.70 J	8.30 J	11.0 J	1.67	37.1 J	24.5 J	48.8
Mercury	0.81	0.73	0.250 J	0.0190 UJ	0.0390 J	0.0210 UJ	0.140 J	0.460 J	0.0210 J	0.0200 J	0.0360 B	0.0480 B	0.00600 UJ	0.103	0.175	0.342 J
Nickel	310	130	13.0	12.5	17.2	22.1	12.7	13.6	8.60	12.7	22.2	24.3	7.18	18.0	14.5	18.3
Selenium	180	4	0.230 UJ	0.230 UJ	0.270 UJ	0.260 UJ	0.240 UJ	0.260 UJ	0.230 UJ	0.210 UJ	0.250 UJ	0.300 UJ	0.512 J	0.364 U	0.367 U	0.428 U
Silver	180	8.3	0.150 B	0.0400 U	0.0500 U	0.0500 U	0.0500 U	0.140 B	0.0400 U	0.0400 U	0.0500 U	0.0600 U	0.267 J	0.333 J	0.0850 U	4.39
Thallium	- -	- -	1.10 U	1.10 U	1.30 U	1.50 U	1.10 U	1.30 U	0.370 U	1.00	0.690 B	1.00 B	0.530 U	0.562 U	0.567 U	0.662 U
Zinc	10,000	2,480	123 J	28.6 J	68.1 J	41.1 J	88.2 J	197 J	9.10 J	11.8 J	50.7	63.2	13.4	37.2	26.1	65.1

See Notes on Page 22.

Table 9c. Summary of Soil Analytical Results for Detected Inorganics (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-2 13 - 15 05/06/05	SB-2 19 - 20.5 05/06/05	SB-3 3 - 3.5 04/29/05	SB-3 5 - 7 05/06/05	SB-3 13 - 15 05/06/05	SB-3 17 - 19 05/06/05	SB-4 5 - 5.5 05/03/05	SB-4 7 - 9 05/05/05	SB-4 9 - 13 05/05/05	SB-4 17 - 19 05/05/05	SB-4 19 - 21 05/05/05	MW-5B 34 - 36 06/07/05	SB-5A 17 - 19 05/02/05
Inorganics															
Amenable Cyanide	- -	- -	0.570 U	0.650 U	0.545 UR	0.560 U	0.580 U	0.580 U	0.560 UJ	0.560 U	0.590 U	0.590 U	5.60	0.640 U [0.610 U]	0.604 U
Antimony	- -	- -	0.373 U	0.581 J	0.358 UR	0.361 U	0.371 U	0.381 U	0.485 J	0.363 U	0.382 U	0.557 J	0.411 U	0.417 U [0.398 U]	1.17 J
Arsenic	16	16	2.13	7.80	2.47	3.25	2.10	1.49	2.12	0.458 J	2.01	2.07	1.16 J	0.499 U [0.476 U]	0.600 J
Beryllium	72	47	0.454 J	0.265 J	0.460 J	0.520 J	0.477 J	0.408 J	0.388 J	0.290 J	0.363 J	0.725	0.289 J	0.254 J [0.243 J]	0.144 J
Cadmium	4.3	7.5	0.0380 U	0.0420 U	0.0360 UR	0.0360 U	0.0370 U	0.0380 U	0.0360 U	0.307 J	0.0380 U	0.0380 U	0.309 J	0.0420 U [0.0400 U]	0.0390 U
Chromium	- -	- -	18.3 J	16.2 J	16.2 J	24.3 J	17.7 J	15.0 J	16.9	16.6 J	19.8 J	30.4 J	21.6 J	6.74 [6.44]	9.35 J
Copper	270	1,720	20.3	21.3	13.3	26.9	25.0	25.9	85.3	15.8	17.3	26.6	15.2	14.5 [11.8]	7.26
Cyanide	27	40	0.569 U	**190**	0.545 UR	0.556 U	0.577 U	0.581 U	0.556 U	0.564 U	0.588 U	0.590 U	0.627 U	0.636 U [0.613 U]	0.604 U
Lead	400	450	27.5	**2,240**	65.1 J	42.1	5.98	4.68	77.5	12.8 J	37.7	31.3	130 J	2.29 [1.82]	2.94 J
Mercury	0.81	0.73	0.605 J	0.410 J	0.0580 J	0.0210 J	0.00900 J	0.00700 U	0.454 J	0.359	0.499 J	0.365 J	0.272	0.0230 J [0.0380 J]	0.00700 U
Nickel	310	130	17.1	9.29	14.1	22.5	19.5	17.5	15.3	15.2	18.5	31.7	15.7	9.80 [8.14]	6.34
Selenium	180	4	0.388 U	0.909 J	0.456 J	0.375 U	0.386 U	0.397 U	0.376 UJ	0.377 U	0.397 U	0.394 U	0.427 U	0.434 U [0.414 U]	0.404 U
Silver	180	8.3	0.0900 U	1.80	0.274 J	0.0870 U	0.0890 U	0.0920 U	0.319 J	1.04 J	0.0920 U	5.76	1.06 J	0.254 J [0.243 J]	0.0940 U
Thallium	- -	- -	0.600 U	0.674 U	0.575 UR	0.580 U	0.596 U	0.613 U	0.580 U	0.583 U	0.614 U	0.609 U	0.660 U	0.670 U [0.640 U]	0.624 U
Zinc	10,000	2,480	55.6	250	46.6	37.4	39.9	32.7	75.0	35.6	44.8	106	68.1	19.1 [13.7]	13.6

See Notes on Page 22.

Table 9c. Summary of Soil Analytical Results for Detected Inorganics (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-5A 19 - 20 05/02/05	SB-5A 26 - 28 05/03/05	SB-5A 31 - 33 05/03/05	SB-5B 10 - 11 05/02/05	SB-5B 11 - 12 05/02/05	SB-5B 21 - 22 05/02/05	SB-6 10 - 12 05/12/05	SB-6 13 - 15 05/12/05	SB-6 19 - 21 05/12/05	SB-6 24 - 26 05/12/05	SB-6 28.5 - 30.5 05/12/05	SB-203 7 - 7.5 10/18/06
Inorganics														
Amenable Cyanide	- -	- -	0.577 U [0.591 U]	0.600 UJ	0.580 UJ	1.80	0.537 U	0.600 U	1.40 J	0.600 U	0.620 U	0.610 U [0.610 U]	0.590 U	NA
Antimony	- -	- -	0.379 U [0.388 U]	0.810 J	0.382 U	0.691 J	0.352 U	0.386 U	0.738 J	0.397 U	0.396 U	0.392 U [0.396 U]	0.379 U	R
Arsenic	16	16	1.52 [1.57]	1.10 J	0.457 U	1.29	0.903 J	2.55	2.71	3.10	4.16	1.59 [0.990 J]	1.89	8.10 U
Beryllium	72	47	0.663 [0.811]	0.381 J	0.217 J	0.337 J	0.314 J	0.438 J	0.407 J	0.407 J	0.442 J	0.293 J [0.377 J]	0.277 J	R
Cadmium	4.3	7.5	0.0380 U [0.0390 U]	0.0390 U	0.220 J	0.0350 U	0.0350 U	0.0390 U	0.330 J	0.0400 U	0.0400 U	0.0390 U [0.0400 U]	0.114 J	1.00 U
Chromium	- -	- -	25.7 J [31.1 J]	18.6	18.0	14.7 J	18.2 J	15.9 J	14.9 J	19.2 J	16.5 J	9.91 J [12.0]	11.6 J	13.0 J
Copper	270	1,720	19.1 [24.2]	14.4	11.0	26.8	27.7	17.4	17.0	18.4	21.1	8.74 [11.6]	11.6	40.9 J
Cyanide	27	40	0.577 U [0.591 U]	0.600 U	0.583 U	2.89	1.07	0.660	3.08 J	1.63	0.616	0.609 U [0.610 U]	0.590 U	0.0960 U
Lead	400	450	6.95 J [9.66 J]	4.08	2.35	10.0 J	7.18 J	6.34 J	27.2	24.1	8.19	2.21 [4.80]	3.87	154
Mercury	0.81	0.73	0.00900 J [0.0140]	0.00900 J	0.0360	0.0100 J	0.00900 J	0.0120	0.0130 J	0.0260 J	0.0150 J	0.00700 UJ [0.00700 U]	0.00700 UJ	**0.840**
Nickel	310	130	17.9 [24.7]	10.3	10.1	14.1	17.2	16.5	15.8	15.7	14.1	10.4 [12.5]	11.8	13.4 J
Selenium	180	4	0.394 U [0.403 U]	0.401 UJ	0.397 U	0.365 U	0.431 J	0.401 U	0.671 J	0.412 U	0.412 U	0.407 U [0.412 U]	0.564 J	2.00 UJ
Silver	180	8.3	3.15 J [1.30 J]	0.0930 U	0.0920 U	0.0850 U	0.227 J	0.317 J	1.58	0.0960 U	0.0950 U	0.0940 U [0.0950 U]	1.42	R
Thallium	- -	- -	0.609 U [0.623 U]	0.620 U	0.614 U	0.564 U	0.566 U	0.620 U	0.591 U	0.637 U	0.636 U	0.629 U [0.636 U]	0.609 U	3.50 U
Zinc	10,000	2,480	39.7 [55.4]	30.2	18.2	32.2 J	30.0	30.2	37.1	49.7	43.9	19.1 [25.2]	20.9	39.9 J

See Notes on Page 22.

Table 9c. Summary of Soil Analytical Results for Detected Inorganics (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-203 17 - 17.5 10/18/06	SB-203 24 - 24.5 10/18/06	SB-203 28.5 - 29 10/18/06	SB-204 6.5 - 7 10/17/06	SB-204 13.5 - 14 10/17/06	SB-204 30 - 30.5 10/17/06	SB-205 1 - 2 09/22/06	SB-205 4 - 5 10/12/06	SB-205 8 - 8.5 10/12/06	SB-205 17 - 17.5 10/12/06	SB-208 2 - 3 01/20/07	SB-208 9.5 - 10 01/20/07	SB-208 19 - 20 01/20/07	SB-209 9.4 - 10 01/20/07
Inorganics																
Amenable Cyanide	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0700	0.160 U	0.190 U	0.140 U
Antimony	- -	- -	R	R	R	R [R]	R	R	12.7 U	13.9 UJ	13.2 UJ	13.3 UJ	0.820 J	0.540 J	0.820 J	0.270 J
Arsenic	16	16	12.4 U	8.90 B	7.50 B	2.00 U [2.50 U]	2.50 U	12.5 U	2.70 B	9.50 U	9.00 U	7.70 B	4.80	2.70	9.00	1.70
Beryllium	72	47	R	R	R	R [R]	R	R	2.20 U	2.40 U	2.30 U	2.30 U	0.350 B	0.580 B	0.790	0.380 B
Cadmium	4.3	7.5	1.60 U	1.80 U	1.70 U	1.10 U [1.30 U]	1.30 U	1.60 U	3.20 U	3.60 U	3.40 U	3.40 U	0.410 B	0.0200 U	0.0300 U	0.0200 U
Chromium	- -	- -	10.4 J	24.1 J	18.4 J	18.1 J [20.7 J]	19.9 J	27.2 J	24.0	26.1 J	18.0 J	20.9 J	20.4	18.3	26.3	12.4
Copper	270	1,720	35.2 J	15.3 J	10.3 J	26.5 J [16.7 J]	17.5 J	14.6 J	29.5	19.1	16.2	11.7	41.8	20.5	15.7	14.2
Cyanide	27	40	0.0938 U	0.120 U	0.104 U	0.0876 U [0.0883 U]	0.0877 U	0.107 U	R	0.103 B	0.119 B	0.579 U	1.00	0.150 U	NA	NA
Lead	400	450	150	20.6	8.00 B	11.3 [10.8 B]	12.0	13.4 B	49.7	14.7	16.4	9.40 B	**708**	31.9	10.1	5.90
Mercury	0.81	0.73	0.540	0.0630 B	0.0540 U	0.0440 U [0.0450 U]	0.0520 U	0.0680 U	0.540	0.0380 B	0.0160 B	0.0250 B	0.550	0.0550	0.0370 B	0.0230 B
Nickel	310	130	12.0 J	24.6 J	16.8 J	17.9 J [16.2 J]	17.4 J	25.8 J	22.2	20.4 J	32.2 J	19.6 J	18.8	16.5	23.1	12.5
Selenium	180	4	3.10 UJ	3.60 UJ	3.50 UJ	2.20 UJ [2.60 UJ]	2.60 UJ	3.10 UJ	2.20 B	19.0 U	18.0 U	18.2 U	0.230 UJ	0.250 UJ	0.330 UJ	0.240 UJ
Silver	180	8.3	R	R	R	R [R]	R	R	3.20 U	3.60 U	3.40 U	3.40 U	0.130 B	0.0500 U	0.0600 U	0.0500 U
Thallium	- -	- -	5.40 U	6.30 U	6.00 U	4.00 B [4.60 U]	5.10 B	5.50 U	8.90 J	23.8 U	22.5 U	22.8 U	0.380 U	0.860 B	2.00	0.480 B
Zinc	10,000	2,480	31.1 J	68.2 J	42.0 J	32.8 J [27.6 J]	30.3 J	70.5 J	49.6	36.8 J	25.3 J	54.1 J	399 J	43.6 J	58.5 J	23.0 J

See Notes on Page 22.

Table 9c. Summary of Soil Analytical Results for Detected Inorganics (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-209 11 - 13 01/20/07	SB-209 19 - 20 01/20/07	SB-210 7 - 9 12/16/06	SB-210 11 - 13 12/16/06	SB-210 21 - 23 12/16/06	SB-210 25 - 27 12/16/06	SB-210 36 - 37 12/16/06	MW/SB-213 8 - 9 02/10/07	MW/SB-213 19 - 20 02/10/07	SB-214 5 - 7 01/21/07	SB-214 9.5 - 10 01/21/07	SB-214 11 - 13 01/21/07	SB-214 19 - 20 01/21/07	SB-215 8 - 10 12/16/06
Inorganics																
Amenable Cyanide	- -	- -	0.140 U	0.180 U	NA	NA	NA	NA	NA	13.8 U	0.180 U	0.130 U	0.140 U	0.140 U	0.180 U	NA
Antimony	- -	- -	0.450 J	0.700 J	1.80 J	1.30 UJ	1.20 UJ	1.30 UJ	1.20 UJ	0.780 J	0.570 J	0.420 J	0.250 J	0.250 J	0.660 J	1.10 UJ
Arsenic	16	16	2.20	9.10	9.30 J	5.00 J	2.50 J	1.30 J	0.900 J	**20.0 J**	7.80 J	1.90	1.50	1.40	9.00	6.40 J
Beryllium	72	47	0.490 B	0.750	0.320 B	0.530 B	0.440 B	0.360 B	0.350 B	0.400 B	0.610 B	0.470 B	0.330 B	0.350 B	0.800	0.380 B
Cadmium	4.3	7.5	0.0200 U	0.0300 U	3.50	0.0600 U	0.0800 B	0.0600 U	0.0600 U	0.0200 U	0.0300 U	0.0200 U	0.0200 U	0.0200 U	0.0300 U	0.890
Chromium	- -	- -	15.8	24.4	33.4 J	18.6 J	15.5 J	12.0 J	12.5 J	19.3	22.0	15.9	12.6	9.20	26.9	17.0 J
Copper	270	1,720	19.5	13.9	176	17.5	24.6	5.60	10.9	44.3 J	14.2 J	25.3	11.5	27.5	14.9	66.5
Cyanide	27	40	0.140 U	NA	2.50	2.30	3.50	1.90	0.490 B	20.2	0.740 U	NA	0.140 U	0.140 U	NA	0.190 B
Lead	400	450	7.60	9.10	**535**	15.1	85.2	6.60	6.40	172 J	9.50 J	6.70	5.20	4.60	9.70	320
Mercury	0.81	0.73	0.0240 B	0.0430 B	0.230 J	0.0480 J	0.360 J	0.0210 U	0.0200 U	0.160 J	0.0400 J	0.0190 B	0.0190 U	0.0300 B	0.0490	**0.810 J**
Nickel	310	130	16.3	21.9	20.7	17.7	16.7	12.7	14.1	14.6	21.1	17.7	9.90	7.00	23.2	18.6
Selenium	180	4	0.230 UJ	0.300 UJ	R	R	R	R	R	0.230 UJ	0.300 UJ	0.210 UJ	R	0.230 UJ	0.320 UJ	R
Silver	180	8.3	0.0400 U	0.0600 U	0.450 B	0.0600 U	0.0600 U	0.0600 U	0.0600 U	0.0400 U	0.0600 U	0.0400 U	0.0500 U	0.0400 U	0.0600 U	0.540 U
Thallium	- -	- -	0.560 B	1.80	2.00	1.40	0.940 B	0.360 U	0.670 B	1.10 U	1.50 U	0.480 B	1.20 U	0.520 B	1.40 B	0.970 B
Zinc	10,000	2,480	30.7 J	57.9 J	282	50.6	61.2	15.6	22.6	65.9 J	52.1 J	22.6 J	14.5	19.4 J	59.6 J	168

See Notes on Page 22.

Table 9c. Summary of Soil Analytical Results for Detected Inorganics (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-215 14 - 16 12/16/06	SB-215 26 - 28 12/16/06	SB-215 30 - 32 12/16/06	SB-215 34 - 36 12/16/06	SB-216 15 - 16 06/29/06	SB-216 30 - 31 06/29/06	SB-216 50 - 51 06/29/06	MW/SB-219 5.5 - 6 10/17/06	MW/SB-219 10 - 10.5 10/17/06	MW/SB-219 32 - 32.5 10/17/06	SB-220 7.5 - 8 10/16/06	SB-220 21 - 21.5 10/16/06	SB-221 2 - 4 01/20/07	SB-221 6 - 8 01/20/07
Inorganics																
Amenable Cyanide	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.140 U	0.160 U
Antimony	- -	- -	1.20 UJ	1.20 UJ	1.20 UJ	1.10 UJ	13.3 UJ	12.1 UJ	16.0 UJ	11.8 UJ	14.3 UJ	13.2 UJ	13.8 UJ	21.6 UJ	0.540 J	0.330 J
Arsenic	16	16	3.40 J	6.70 J	3.60 J	0.580 J	9.00 J	2.20 J	10.7 J	8.10 U	9.70 U	9.50	9.50 U	14.7 U	4.20	2.90
Beryllium	72	47	0.340 B	0.360 B	0.470 B	0.260 B	2.30 U	2.10 U	0.780 J	2.00 U	2.40 U	2.30 U	2.40 U	3.70 U	0.470 B	0.390 B
Cadmium	4.3	7.5	0.450 B	0.720	0.0600 U	0.0500 U	3.40 U	3.10 U	4.10 U	3.00 U	3.70 U	3.40 U	3.50 U	5.50 U	0.0200 U	0.0300 U
Chromium	- -	- -	15.0 J	17.7 J	24.2 J	8.90 J	9.60	5.80	26.4	18.4	18.2	23.7	16.3	27.5	16.2	14.4
Copper	270	1,720	38.7	62.5	27.5	6.90	24.6	59.9	13.0	27.7	23.4	11.7	20.1	13.9	29.9	17.5
Cyanide	27	40	1.70	0.150 B	0.110 U	1.40	0.638 UJ	0.614 UJ	0.750 UJ	0.541 U	0.585 U	0.670 U	0.543 U	0.774 U	0.140 U	0.160 U
Lead	400	450	169	308	9.00	3.90	**844**	100	13.3	18.3	7.20 B	10.0 B	7.80 B	10.9 B	94.4	52.5
Mercury	0.81	0.73	0.0560 J	0.220 J	0.0200 U	0.0170 U	0.220	0.180	0.0170 B	0.0280 B	0.0440 U	0.0330 B	0.0470 U	0.0340 B	0.280	0.0350 B
Nickel	310	130	15.0	18.7	23.2	10.7	10.7	9.30	24.0	16.2	19.5	20.1	14.5 J	24.4 J	16.0	16.6
Selenium	180	4	R	R	R	R	18.2 UJ	16.6 UJ	21.9 UJ	16.2 U	19.5 U	18.1 U	18.9 U	29.5 U	0.230 UJ	0.270 UJ
Silver	180	8.3	0.590 U	0.580 U	0.0600 U	0.0500 U	3.40 U	3.10 U	4.10 U	3.00 U	3.70 U	3.40 U	3.50 U	5.50 U	0.0400 U	0.0500 U
Thallium	- -	- -	0.500 B	1.10 B	1.50	0.310 U	22.8 UJ	20.8 UJ	27.4 UJ	20.2 U	24.4 U	22.6 U	23.6 U	36.9 U	0.430 B	0.730 B
Zinc	10,000	2,480	96.2	174	39.8	15.4	248	58.8	67.2	42.9 J	42.3 J	55.9 J	26.1 J	67.9 J	55.7 J	24.3 J

See Notes on Page 22.

Table 9c. Summary of Soil Analytical Results for Detected Inorganics (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-221 9.5 - 10 01/20/07	SB-221 24 - 25 01/20/07	SB-222 1 - 3 01/21/07	SB-222 7.5 - 8.5 01/21/07	SB-222 15 - 17 01/21/07	SB-222 19 - 20 01/21/07	SB-223 12.5 - 13 10/13/06	SB-223 17.5 - 18 10/13/06	SB-223 28 - 28.5 10/13/06	SB-223 32 - 32.5 10/13/06	MW/SB-224 8 - 8.5 10/12/06	MW/SB-224 34.5 - 35 10/12/06	MW/SB-224 37.5 - 38 10/12/06
Inorganics															
Amenable Cyanide	- -	- -	0.150 U	0.180 U	0.140 U	0.150 U	0.150 U	0.180 U	NA	NA	NA	NA	NA	NA	NA
Antimony	- -	- -	0.400 J	0.910 J	0.980 J	0.350 J	0.290 J	0.830 J	12.6 UJ [12.0 U]	17.7 UJ	11.7 UJ	17.6 UJ	11.5 UJ	12.4 UJ	13.1 UJ
Arsenic	16	16	2.60	10.0	15.8	1.70	2.70	7.90	8.60 U [8.20 U]	9.40 B	8.00 U	12.0 U	7.80 U	8.50 U	8.90 U
Beryllium	72	47	0.600	0.820	0.470 B	0.530 B	0.510 B	0.770	2.20 U [2.10 U]	3.00 U	2.00 U	3.00 U	2.00 U	2.10 U	2.20 U
Cadmium	4.3	7.5	0.0200 U	0.0300 U	0.120 B	0.0200 U	0.0200 U	0.0300 U	3.20 U [3.10 U]	4.50 U	3.00 U	4.50 U	2.90 U	3.20 U	3.40 U
Chromium	- -	- -	19.3	27.5	14.7	17.9	15.5	25.2	11.5 J [24.8]	26.3	15.4	21.3	21.2 J	10.6 J	9.90 J
Copper	270	1,720	16.3	16.8	109	18.3	15.1	14.4	13.1 [27.1]	14.5	13.0	28.5	18.6	8.10	10.8
Cyanide	27	40	NA	0.180 U	0.320 B	0.150 U	0.150 U	NA	0.574 U [0.318 B]	0.736 U	0.145 B	0.166 B	R	0.642 U	0.159 B
Lead	400	450	9.50	10.3	**459**	6.60	8.50	9.60	116 [122]	10.9 B	6.00 B	12.5 B	9.10	5.00 B	4.60 B
Mercury	0.81	0.73	0.0200 U	0.0350 B	0.470	0.0180 U	0.0230 B	0.0420 B	0.0390 B [0.0440 B]	0.0300 B	0.0460 U	0.0590 U	0.0630	0.0510 U	0.0510 U
Nickel	310	130	16.1	24.1	18.0	14.2	14.3	22.7	15.0 J [85.5 J]	24.0 J	14.0 J	25.8 J	15.1 J	17.0 J	15.5 J
Selenium	180	4	0.240 UJ	0.290 UJ	0.230 UJ	0.240 UJ	0.260 UJ	0.310 UJ	17.3 U [16.5 U]	24.1 U	16.0 U	24.0 U	15.7 U	17.0 U	17.9 U
Silver	180	8.3	0.0500 U	0.0600 U	0.0900 B	0.0500 U	0.0500 U	0.0600 U	3.20 U [3.10 U]	4.50 U	3.00 U	4.50 U	2.90 U	3.20 U	3.40 U
Thallium	- -	- -	0.660 B	1.80	0.370 U	0.400 B	1.00 B	1.80	21.6 U [20.6 U]	30.2 U	20.0 U	30.1 U	19.6 U	21.3 U	22.3 U
Zinc	10,000	2,480	29.1 J	60.9 J	88.3 J	20.4 J	24.7 J	59.9 J	26.3 J [39.3 J]	68.7 J	23.3 J	61.0 J	23.6 J	12.6 J	23.1 J

See Notes on Page 22.

Table 9c. Summary of Soil Analytical Results for Detected Inorganics (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-226	SB-226	SB-226	SB-227	SB-227	SB-227	SB-227	SB-228	SB-228	SB-228	SB-228	SB-229	SB-229	MW/SB-231
Sample Depth(Feet):			9 - 9.5	32 - 32.5	33.5 - 34	4.5 - 5	6.8 - 7.3	24 - 24.5	29 - 29.5	8 - 8.5	14 - 14.5	28 - 28.5	47 - 47.5	7 - 8	29 - 30	7 - 8
Date Collected:			10/14/06	10/14/06	10/14/06	09/20/06	10/18/06	10/19/06	10/19/06	10/19/06	10/19/06	10/19/06	10/19/06	03/03/07	03/03/07	06/29/06
Inorganics																
Amenable Cyanide	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	- -	- -	14.5 UJ	15.1 UJ [18.7 UJ]	13.9 UJ	11.7 U	R	R	R	R	R	R	R	0.280 J	0.330 J	12.3 UJ
Arsenic	16	16	9.90 U	9.90 B [12.8 U]	9.60	5.30 B	3.30 B	10.8 B	8.30 B	2.00 U	5.10 B	1.80 U	2.30 U	1.90	1.50	8.40 UJ
Beryllium	72	47	2.50 U	2.60 U [3.20 U]	2.40 U	2.00 U	R	R	R	R	R	R	R	0.410 B	0.610 B	2.10 U
Cadmium	4.3	7.5	3.70 U	3.90 U [4.80 U]	3.60 U	3.00 U	1.00 U	1.80 U	1.40 U	1.10 U	1.30 U	0.970 U	1.20 U	0.0200 U	0.0200 U	3.10 U
Chromium	- -	- -	14.4	28.1 J [6.50 J]	29.1	13.5	19.1 J	32.8 J	23.6 J	17.0 J	19.4 J	6.60 J	7.30 J	17.7	18.9	1.40 B
Copper	270	1,720	15.5	27.7 J [6.20 J]	14.6	27.2	23.7 J	32.2 J	13.1 J	15.6 J	14.2 J	15.0 J	8.90 J	16.4	34.0	1.50 B
Cyanide	27	40	0.629 U	0.773 U [0.749 U]	0.751 U	3.91 J	35.1	0.134 U	0.112 U	0.0858 U	0.0954 U	0.0898 U	0.0978 U	0.140 UJ	0.150 UJ	0.579 UJ
Lead	400	450	13.4	60.8 J [8.50 J]	13.3	67.7	21.6	31.2	11.6 B	15.5	8.50 B	2.60 B	4.70 B	9.00	5.70	2.10 B
Mercury	0.81	0.73	0.0610 U	0.180 [0.180]	0.0330 B	0.0640	0.0610	0.110	0.0700 U	0.0500 U	0.0560 U	0.0160 U	0.0160 U	0.0180 UJ	0.0180 UJ	0.0440 U
Nickel	310	130	15.4 J	27.7 J [8.30 J]	26.0	16.3	28.9 J	31.3 J	24.0 J	15.0 J	17.5 J	8.20 J	12.9 J	16.4	18.2	0.960 B
Selenium	180	4	19.8 U	20.6 U [25.6 U]	2.50 B	16.0 U	2.10 UJ	3.50 UJ	2.80 UJ	2.20 UJ	2.70 UJ	1.90 UJ	2.40 UJ	0.230 UJ	0.260 UJ	16.8 UJ
Silver	180	8.3	3.70 U	3.90 U [4.80 U]	3.60 U	3.00 U	R	R	R	R	R	R	R	0.0400 U	0.0500 U	3.10 U
Thallium	- -	- -	24.8 U	25.8 U [32.0 U]	23.8 U	8.00 J	3.60 U	6.20 U	4.90 U	3.80 U	4.70 U	3.40 U	4.20 U	1.10 U	1.20 U	21.0 UJ
Zinc	10,000	2,480	47.3 J	76.0 J [16.0 J]	76.4 J	43.1	29.4 J	84.4 J	59.4 J	28.2 J	34.1 J	11.0 J	16.3 J	22.5	24.5	21.0 U

See Notes on Page 22.

Table 9c. Summary of Soil Analytical Results for Detected Inorganics (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	MW/SB-231 32 - 35 06/29/06	MW/SB-231 44 - 45 06/29/06	MW/SB-231 47 - 48 06/29/06	MW/SB-232B 0 - 3 01/16/07	MW/SB-232B 9 - 9.5 01/16/07	MW/SB-232B 16 - 18 01/16/07	MW/SB-232B 30.5 - 31 01/16/07	MW/SB-232B 32 - 34 01/16/07	MW/SB-232B 75 - 76 01/16/07	MW/SB-233B 2 - 5 01/19/07	MW/SB-233B 9 - 9.5 01/19/07
Inorganics													
Amenable Cyanide	- -	- -	NA	NA	NA	0.150 U	0.150 U	0.140 U	0.150 U	0.180 U	0.150 U	0.140 U	0.150 U
Antimony	- -	- -	16.3 UJ	12.9 U	21.7 U	15.9 J	0.530 J	0.480 J	0.480 J	0.840 J	0.310 J	0.180 UJ	0.560 J
Arsenic	16	16	**19.1 J**	11.1	9.40 B	**16.1**	2.70	2.60	3.60	8.60	1.30	1.80	5.50
Beryllium	72	47	2.80 U	2.20 U	3.70 U	0.540 B	0.500 B	0.430 B	0.510 B	0.730	0.490 B	0.220 B	0.420 B
Cadmium	4.3	7.5	4.20 U	3.30 U	5.60 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0300 U	0.0200 U	0.0200 U	0.0200 U
Chromium	- -	- -	33.3	12.5	27.3	22.6	14.6	11.2	21.7	23.9	9.70	13.0	9.80
Copper	270	1,720	316	50.9	15.2	194 J	143 J	20.4 J	29.7 J	13.4 J	13.1 J	13.9 J	33.5 J
Cyanide	27	40	0.201 J	0.672 U	0.755 U	0.330 B	0.270 B	0.140 U	0.150 U	0.180 U	0.150 U	0.140 U	0.150 U
Lead	400	450	**589**	189	14.1 B	**564 J**	21.4 J	51.4 J	85.1 J	9.50 J	5.00 J	7.00 J	17.9 J
Mercury	0.81	0.73	**4.80**	0.360	0.0240 B	0.320	**1.80**	0.190	0.100	0.0280 B	0.0200 U	0.0180 U	0.0340 B
Nickel	310	130	25.4	14.7	25.2	29.0	14.5	15.7	16.6	21.2	14.0	11.6	16.2
Selenium	180	4	22.3 UJ	1.90 J	29.6 UJ	R	R	R	R	R	R	R	R
Silver	180	8.3	4.60	3.30 U	5.60 U	0.350 B	0.0500 U	0.0500 U	0.0800 B	0.0600 U	0.0500 U	0.0400 U	0.0600 B
Thallium	- -	- -	27.8 UJ	22.1 UJ	37.0 UJ	2.50	0.480 B	0.570 B	0.520 B	1.50	0.680 B	0.440 B	0.880 B
Zinc	10,000	2,480	634	114	72.5	315	197	27.7	57.4	55.8	21.9	22.2	38.7

See Notes on Page 22.

Table 9c. Summary of Soil Analytical Results for Detected Inorganics (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	MW/SB-233B 24 - 26 01/19/07	MW/SB-233B 42 - 43 01/19/07	MW/SB-233B 43 - 44 01/19/07	MW/SB-233B 44 - 46 01/19/07	MW/SB-233B 78 - 80 01/19/07	SB-234 4.5 - 5 01/25/07	SB-234 12 - 12.5 01/25/07	SB-234 16.5 - 17 01/25/07	SB-234 18 - 18.5 01/25/07	SB-234 22 - 22.5 01/25/07	SB-234 29.5 - 30 01/25/07
Inorganics													
Amenable Cyanide	- -	- -	0.140 U [0.140 U]	0.140 U	0.170 U	0.130 U	0.150 U	0.130 U	0.170 U	0.270 U	9.30 [9.40]	0.140 U	0.150 U
Antimony	- -	- -	0.250 J [0.320 J]	0.340 J	0.580 J	0.270 J	0.230 J	1.40 J	0.430 J	0.720 J	0.260 J [1.10 UJ]	0.350 J	0.460 J
Arsenic	16	16	1.50 [1.10 B]	2.90	6.90	1.00	1.40	6.10	2.50	4.70	3.10 [3.30]	1.80	2.90
Beryllium	72	47	0.490 B [0.430 B]	0.430 B	0.680	0.220 B	0.440 B	0.470 B	0.440 B	0.280 B	0.320 B [0.450 B]	0.460 B	0.530 B
Cadmium	4.3	7.5	0.0200 U [0.0200 U]	0.0200 U	0.0300 U	0.0200 U	0.0200 U	1.90	0.670 U	1.10 U	0.470 B [0.0200 U]	0.550 U	0.590 U
Chromium	- -	- -	23.9 [15.7]	11.3	17.9	9.60	11.5	16.7	13.5	8.20	10.2 [11.9]	16.6	14.5
Copper	270	1,720	27.3 J [20.5 J]	14.6 J	31.1 J	4.70 J	34.3 J	1,100	53.6	15.6	48.4 [71.0]	17.1	20.6
Cyanide	27	40	0.140 U [0.150 U]	0.140 U	2.20	0.130 U	0.150 U	0.390 B	1.30	**40.1**	NA	0.540 B	0.380 B
Lead	400	450	27.0 J [32.0 J]	27.5 J	132 J	3.60 J	4.40 J	409	153	70.5	149 [129]	6.00	6.40
Mercury	0.81	0.73	0.0190 B [0.0170 U]	0.0550	0.270	0.0150 U	0.0190 U	0.620	0.200	0.0470 B	0.0390 B [0.0360 B]	0.0170 U	0.0200 U
Nickel	310	130	13.7 [13.3]	14.7	20.1	7.60	17.9	18.5	14.4	6.00 B	11.2 [13.0]	18.0	16.3
Selenium	180	4	R [R]	R	R	R	R	R	R	R	R [R]	R	R
Silver	180	8.3	0.0400 U [0.0500 U]	0.0500 U	0.0500 U	0.0400 U	0.0500 U	0.360 B	0.0800 B	0.170 B	0.0500 U [0.0400 U]	0.0400 U	0.0500 U
Thallium	- -	- -	0.350 U [0.540 B]	0.390 U	0.730 B	0.340 U	0.990 B	1.10 U	1.30 U	0.770 U	1.20 U [0.380 U]	1.20 U	1.20 U
Zinc	10,000	2,480	19.5 [16.7]	16.5	44.8	10.1	32.1	1,110	45.9	21.7	79.3 [85.2]	26.3	30.5

See Notes on Page 22.

Table 9c. Summary of Soil Analytical Results for Detected Inorganics (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-235 5 - 6 06/29/06	SB-235 6 - 7 06/29/06	SB-235 41 - 42 06/29/06	SB-235 50 - 51 06/29/06	MW/SB-236A 9.5 - 10.5 01/22/07	MW/SB-236A 75 - 76 01/23/07	MW/SB-236B 39 - 40 01/22/07	SB-237 5 - 7 02/28/07	SB-237 7 - 9 02/28/07	SB-237 8 - 9 03/04/07	SB-237 9 - 9.5 02/28/07	SB-237 11 - 11.5 02/28/07	SB-237 17 - 18 03/04/07	SB-237 24 - 25 03/04/07
Inorganics																
Amenable Cyanide	- -	- -	NA	NA	NA	NA	0.150 U	0.150 U	0.190 U	0.140 U	0.360 B	NA	0.150 U	0.700	NA	NA
Antimony	- -	- -	12.8 UJ	13.1 UJ	14.5 UJ	16.1 UJ	0.330 J	0.640 J	0.580 J	0.230 UJ	0.260 UJ	0.590 J	0.500 J	0.480 J	0.190 UJ	0.440 J
Arsenic	16	16	6.30 J	5.20 J	7.30 J	10.4 J	2.90	1.30	6.80	1.40 J	1.20 J	1.70	4.10 J	4.10 J	0.500 B	8.20
Beryllium	72	47	2.20 U	2.20 U	2.50 U	0.820 J	0.480 B	0.630	0.820	0.100 B	0.170 B	0.790	0.620	0.600	0.130 B	0.750 B
Cadmium	4.3	7.5	3.30 U	3.40 U	3.70 U	4.10 U	0.0200 U	0.0200 U	0.0300 U	0.0500 U	0.0600 U	0.0200 U	0.0600 U	0.0600 U	0.0200 U	0.0300 U
Chromium	- -	- -	16.3	21.6	12.4	26.8	14.9	19.9	27.1	4.30	5.60	20.5	8.00	9.00	6.00	24.6
Copper	270	1,720	76.9	166	44.6	13.3	18.8	29.6	16.2	2.00	1.60	22.0	2.50	1.50	6.90	18.0
Cyanide	27	40	0.644 UJ	0.659 UJ	0.644 UJ	0.770 UJ	NA	NA	NA	0.140 U	0.360 B	0.150 UJ	0.630	2.20	0.380 J	0.190 UJ
Lead	400	450	297	405	166	12.9	126	5.50	10.3	9.30	5.10	60.1	10.5	5.50	16.1	19.3
Mercury	0.81	0.73	0.370	**1.30**	**1.70**	0.0230 B	0.0930	0.0200 U	0.0550	0.0320 B	0.0300 B	0.320 J	0.0490	0.0350 B	0.0950 J	0.0780 J
Nickel	310	130	18.2	17.3	14.2	25.1	14.6	24.9	23.4	1.60 B	2.30 B	17.4	3.80 B	3.90 B	6.80	23.1
Selenium	180	4	17.5 UJ	17.9 UJ	19.8 UJ	22.0 UJ	0.240 UJ	0.230 UJ	0.320 UJ	0.230 U	0.260 U	0.240 UJ	0.590 U	0.250 U	0.230 UJ	0.320 UJ
Silver	180	8.3	0.420 B	1.30 B	0.820 B	4.10 U	0.0500 U	0.0400 U	0.0600 U	0.0500 U	0.0600 U	0.0500 U	0.0600 U	0.0600 U	0.0400 U	0.0600 U
Thallium	- -	- -	21.9 UJ	22.4 UJ	24.8 UJ	27.5 UJ	0.810 B	1.30	1.40 B	0.450 UJ	0.500 UJ	1.20 U	0.510 UJ	0.490 UJ	0.370 U	2.00 U
Zinc	10,000	2,480	181	477	117	75.3	32.6 J	50.0 J	62.4 J	7.80	7.20	46.6	16.6	12.0	11.9	59.2

See Notes on Page 22.

Table 9c. Summary of Soil Analytical Results for Detected Inorganics (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-238 21.5 - 22.5 06/28/06	SB-238 25 - 26 06/28/06	SB-238 26 - 28 06/28/06	SB-245 9 - 10 06/26/06	SB-245 14 - 15 06/26/06	SB-245 20 - 22.5 06/27/06	SB-245 39.5 - 40.5 06/27/06	SB-247 17 - 19 06/28/06	SB-247 33 - 34 06/28/06	SB-247 36 - 37 06/26/06	SB-250 2 - 2.5 01/24/07	SB-250 9 - 9.5 01/24/07	SB-250 23 - 23.5 01/24/07	SB-250 25 - 25.5 01/24/07
Inorganics																
Amenable Cyanide	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.130 U	0.150 U	0.130 U	0.180 U
Antimony	- -	- -	14.2 UJ	11.5 UJ	15.9 UJ	12.8 UJ	11.1 U [10.7 UJ]	17.2 UJ	18.8 UJ	13.0 UJ	18.2 UJ	18.2 UJ	0.400 J	0.350 J	0.250 J	0.650 J
Arsenic	16	16	2.00 J	1.30 J	10.7 J	3.20 J	3.50 J [5.60 J]	**25.0 J**	8.90 J	2.80 J	5.20 J	13.7 J	2.10	3.60	1.40	7.50
Beryllium	72	47	2.40 U	0.500 J	0.940 J	2.20 U	1.90 U [1.80 U]	2.90 U	0.950 J	2.20 U	3.10 U	1.10 J	0.380 B	0.510 B	0.420 B	0.650 B
Cadmium	4.3	7.5	3.60 U	2.90 U	4.10 U	3.30 U	2.90 U [2.70 U]	1.80 B	4.80 U	3.30 U	4.70 U	4.70 U	0.0200 U	0.610 U	0.0200 U	0.750 U
Chromium	- -	- -	7.70	18.8	28.9	11.3	9.70 [9.40]	13.0	29.3	13.4	12.9	33.0	17.2	16.3	15.7	22.3
Copper	270	1,720	28.9	22.6	23.9	57.9	19.7 J [37.7 J]	365	15.4	20.3	29.8	23.7	23.9	18.1	21.1	14.6
Cyanide	27	40	0.592 UJ	0.560 UJ	0.762 UJ	0.643 UJ	0.571 UJ [0.562 UJ]	1.77	0.808 UJ	0.662 UJ	0.696 UJ	0.853 UJ	NA	0.250 B	NA	0.180 U
Lead	400	450	131	16.8	39.5	428	**115 J [858 J]**	321	14.3 B	449	**1,570**	32.6	24.5	7.80	6.10	15.3
Mercury	0.81	0.73	0.340	0.0370 B	0.180	0.270	**0.360 [0.860]**	0.690	0.0280 B	0.280	0.240	0.120	0.130	0.0200 U	0.0190 U	0.0710
Nickel	310	130	7.50	23.8	28.0	15.5	12.8 [14.3]	33.4	26.8	15.0	14.7	31.0	32.0	15.9	13.6	21.1
Selenium	180	4	19.4 UJ	15.7 UJ	21.8 UJ	17.5 UJ	15.2 UJ [14.6 UJ]	23.6 UJ	25.6 UJ	17.8 UJ	24.9 UJ	24.9 UJ	R	R	R	R
Silver	180	8.3	3.60 U	2.90 U	4.10 U	3.30 U	2.90 U [2.70 U]	4.40 U	4.80 U	3.30 U	4.70 U	4.70 U	0.0400 U	0.0500 U	0.0400 U	0.0600 U
Thallium	- -	- -	24.3 UJ	19.6 UJ	27.2 UJ	21.9 UJ	19.0 UJ [18.3 UJ]	29.5 UJ	32.1 UJ	22.2 UJ	31.1 UJ	31.1 UJ	1.00 U	1.20 U	1.10 U	0.510 U
Zinc	10,000	2,480	244	28.9	81.2	357	41.5 J [90.5 J]	762	78.4	179	44.7	89.5	36.0	38.7	20.1	56.0

See Notes on Page 22.

Table 9c. Summary of Soil Analytical Results for Detected Inorganics (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-250	SB-251	SB-251	SB-251	SB-251	SB-252	SB-252	SB-252	SB-252	SB-252	SB-253	SB-253	SB-253	SB-253	SB-253
Sample Depth(Feet):			29.5 - 30	3.5 - 4	15 - 15.5	15.5 - 16	19.5 - 20	2.5 - 3.5	8 - 8.5	11.5 - 12.5	17 - 17.5	19.5 - 20	2 - 3	6.5 - 7	14 - 14.5	15.5 - 16	19.5 - 20
Date Collected:			01/24/07	01/25/07	01/25/07	01/25/07	01/25/07	01/25/07	01/25/07	01/25/07	01/25/07	01/25/07	01/25/07	01/25/07	01/25/07	01/25/07	01/25/07
Inorganics																	
Amenable Cyanide	- -	- -	0.170 U	0.140 U	0.140 U	0.200 U	0.200 U	12.0	0.130 U	0.200 U	0.150 U	0.180 U	0.130 U	0.200 U	0.140 U	0.170 U	0.150 U
Antimony	- -	- -	0.750 J	0.630 J	0.780 J	0.460 J	0.860 J	1.10 UJ	1.00 UJ	1.10 UJ	1.60 UJ	1.50 UJ	1.90 J	4.50 J	0.350 J	0.600 J	0.420 J
Arsenic	16	16	6.40	4.60	4.60	5.00	10.9	13.1	1.80	1.40	7.90	8.00	9.50	**38.1**	1.50	5.60	7.20
Beryllium	72	47	0.620 B	0.470 B	0.390 B	0.710 B	1.00	0.320 B	0.540	0.250 B	0.760 B	0.720 B	0.350 B	0.120 B	0.540 B	0.770	0.460 B
Cadmium	4.3	7.5	0.690 U	1.00	0.720	0.780 U	0.760 U	0.0200 U	0.0200 U	0.0200 U	0.0300 U	0.0300 U	0.790	0.0300 U	0.550 U	0.700 U	0.570 U
Chromium	- -	- -	24.1	15.6	14.6	22.0	33.2	9.50	14.7	7.50	24.9	23.0	14.1	10.6	23.8	25.8	19.8
Copper	270	1,720	11.9	35.8	36.8	21.0	28.4	14.2	14.1	9.30	15.4	15.0	80.3	84.7	32.1	24.4	11.8
Cyanide	27	40	0.170 U	NA	NA	NA	NA	NA	2.30	NA	0.200 U	0.180 U	18.4	**1,280**	0.500 B	0.170 U	0.150 U
Lead	400	450	8.90	107	104	24.0	32.7	85.6	8.50	3.20	13.5	12.4	315	377	9.00	19.4	7.90
Mercury	0.81	0.73	0.0270 B	0.340	0.110	0.120	0.220	**1.20**	0.240	0.0190 U	0.0740	0.0540	0.400	**1.20**	0.0210 B	0.0810	0.0190 U
Nickel	310	130	19.8	16.0	21.9	22.5	31.5	15.6	12.3	9.40	23.5	21.7	18.3	7.80	24.9	23.5	16.3
Selenium	180	4	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Silver	180	8.3	0.0500 U	0.100 B	0.0500 U	0.0600 U	0.310 B	0.0400 U	0.0400 U	0.0400 U	0.0600 U	0.0600 U	0.340 B	0.130 B	0.0400 U	0.0600 U	0.0500 U
Thallium	- -	- -	0.470 U	1.10 U	1.10 U	1.60 U	1.50 U	1.10 U	1.00 U	1.10 U	2.60 U	1.90 U	1.10 U	2.00 U	1.20 U	1.40 U	1.10 U
Zinc	10,000	2,480	50.5	382	322	56.1	86.4	113	26.8	12.2	61.1	58.4	739	693	33.5	54.7	41.5

See Notes on Page 22.

Table 9c. Summary of Soil Analytical Results for Detected Inorganics (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-254	SB-254	SB-256	SB-256	SB-256	SB-256	SB-262	SB-262	SB-262	SB-262	SB-263	SB-263	SB-263	SB-263	SB-263
Sample Depth(Feet):			8 - 9	19 - 20	2.5 - 3.5	9.5 - 10	15.5 - 16.5	19 - 20	7 - 9	13 - 15	19 - 21	21 - 23	7 - 9	9 - 11	11 - 13	15 - 17	17 - 19
Date Collected:			03/03/07	03/03/07	02/01/07	02/01/07	02/01/07	02/01/07	02/28/07	02/28/07	02/28/07	02/28/07	02/28/07	02/28/07	02/28/07	02/28/07	02/28/07
Inorganics																	
Amenable Cyanide	- -	- -	NA	NA	0.140 U	0.130 U	0.190 U	0.190 U	0.150 U	0.140 U	0.200 U	0.140 U	0.150 U	0.150 U	0.150 U	0.190 U	0.190 U
Antimony	- -	- -	0.350 J	0.740 J	0.790 J	0.190 UJ	0.500 J	0.570 J	53.5 J	1.20 J	0.390 J	0.240 UJ	1.20 UJ	1.20 UJ	1.10 UJ	1.50 UJ	1.50 UJ
Arsenic	16	16	0.430 B	9.90	**28.9**	1.40	9.50	9.30	1.70 J	3.10 J	1.80 J	1.30 J	2.30	1.60	3.20	9.00	7.40
Beryllium	72	47	0.560 U	0.700 U	0.310 B	0.370 B	0.660 B	0.680 B	0.100 B	0.160 B	0.230 B	0.180 B	0.450 B	0.290 B	0.510 B	0.780	0.670 B
Cadmium	4.3	7.5	0.0200 U	0.0300 U	0.0200 U	0.0200 U	0.0300 U	0.0300 U	0.0700 B	0.0600 U	0.0700 U	0.0500 U	0.0200 U	0.0200 U	0.0200 U	0.0300 U	0.0300 U
Chromium	- -	- -	7.90	23.0	8.20	15.6	24.5	25.9	20.4	17.5	8.60	6.00	15.4 J	9.10 J	15.5 J	26.9 J	22.3 J
Copper	270	1,720	10.1	14.2	37.8	18.2	16.3	16.2	15.0	3.20	7.00	4.90	21.6	13.3	18.2	17.8	15.9
Cyanide	27	40	0.140 U	0.180 U	2.10	0.130 UJ	0.180 UJ	0.190 UJ	0.140 U	0.140 U	0.190 U	0.140 U	0.150 U	0.150 U	0.150 U	0.180 U	0.190 U
Lead	400	450	3.80	9.40	174 J	6.40 J	14.5 J	10.4 J	**976**	14.7	42.5	27.1	22.3 J	5.80 J	15.8 J	12.3 J	12.8 J
Mercury	0.81	0.73	0.0200 B	0.0540	**0.890**	0.0170 U	0.0820	0.0450 B	0.0500	0.0220 B	0.110	0.0920	0.0200 U	0.0180 U	0.0180 U	0.0280 B	0.0360 B
Nickel	310	130	8.90	22.0	15.2	13.7	22.6	23.3	2.30 B	5.30	3.70 B	2.70 B	16.2	10.0	13.9	24.2	21.2
Selenium	180	4	0.240 U	0.300 U	0.330 J	R	R	R	0.240 U	0.260 U	0.320 U	0.240 U	R	R	R	R	R
Silver	180	8.3	0.0500 U	0.0600 U	0.570 U	0.550 U	0.720 U	0.720 U	0.0500 U	0.0600 U	0.0700 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0600 U	0.0600 U
Thallium	- -	- -	0.380 U	1.20 B	1.40	0.590 B	1.70	1.60	0.470 UJ	0.500 UJ	0.630 UJ	0.470 UJ	1.00 B	0.400 U	0.570 B	1.80	0.850 B
Zinc	10,000	2,480	11.2	57.0	88.8	19.5	57.9	60.4	140	30.8	43.9	31.4	39.5	24.4	32.1	60.5	53.8

See Notes on Page 22.

Table 9c. Summary of Soil Analytical Results for Detected Inorganics (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-265	SB-265	SB-265	SB-265	SB-266	SB-266	SB-266	SB-266	SB-267	SB-267	SB-267	SB-267	SB-268	SB-268
Sample Depth(Feet):			4 - 5	9 - 10	10.5 - 11.5	19 - 20	2 - 5	10 - 12	17.5 - 18.5	24 - 25	2 - 5	8.5 - 9.5	25 - 26	39 - 40	1 - 3	10 - 11
Date Collected:			02/02/07	02/02/07	02/02/07	02/02/07	02/01/07	02/01/07	02/01/07	02/01/07	01/31/07	01/31/07	01/31/07	01/31/07	02/02/07	02/02/07
Inorganics																
Amenable Cyanide	- -	- -	0.140 U	0.740 U [3.60 U]	1.60 U	0.190 U	0.190 B	0.160 U	0.160 U	0.210 UJ	0.360 B	0.150 U	0.160 U	0.180 U	0.140 U	0.150 U
Antimony	- -	- -	0.340 J	0.220 J [0.190 UJ]	0.380 J	0.570 J	2.50 J	1.30 UJ	1.30 UJ	1.70 UJ	0.740 J	0.380 J	1.30 UJ	1.40 UJ	0.370 J	0.280 J
Arsenic	16	16	1.90	1.80 [1.50]	3.00	8.80	10.6	4.80	5.80	8.20	7.60	4.60	**19.0**	8.20	2.60	3.70
Beryllium	72	47	0.420 B	0.290 B [0.390 B]	0.460 B	0.710 B	0.450 B	0.330 B	0.350 B	0.750 B	0.240 B	0.440 B	0.310 B	0.740	0.460 B	0.450 B
Cadmium	4.3	7.5	0.0200 U	0.0200 U [0.0200 U]	0.0200 U	0.0300 U	0.830	0.0300 U	0.0300 U	0.0300 U	0.870	0.0200 U	0.0300 U	0.0300 U	0.0200 U	0.0200 U
Chromium	- -	- -	11.5	9.80 [14.3]	13.8	25.6	14.7	11.6	12.1	25.1	22.8	7.70	10.1	26.0	13.5	16.2
Copper	270	1,720	14.5	16.5 [21.3]	19.1	16.2	122	26.7	21.4	16.2	54.6	25.7	47.8	17.9	25.5	22.6
Cyanide	27	40	4.60	20.7 J [5.90 J]	5.30	0.200 UJ	NA	0.160 U	0.190 B	NA	NA	0.290 J	0.160 U	0.250 B	0.140 UJ	0.150 UJ
Lead	400	450	40.0 J	44.0 J [21.6 J]	31.4 J	14.5 J	**715**	271	215	13.3	155 J	74.6 J	203	28.0	43.4 J	67.0 J
Mercury	0.81	0.73	0.0170 U	0.0190 UJ [0.110 J]	0.140	0.240	0.310	**0.930**	0.530	0.0500 J	0.270	0.310	0.730	0.160	0.290	0.130
Nickel	310	130	11.2	12.8 [14.2]	14.5	24.4	19.1	35.3	39.7	23.1	16.5	15.6	15.5	23.9	16.4	14.2
Selenium	180	4	R	0.860 J [R]	R	R	0.410 BJ	0.270 UJ	0.270 UJ	0.350 UJ	R	R	0.270 UJ	0.300 UJ	R	R
Silver	180	8.3	0.0500 U	0.580 U [0.570 U]	0.610 U	0.800 U	0.600 U	0.460 B	0.630 U	0.0700 U	0.530 J	0.620 U	0.640 U	0.0600 U	0.520 U	0.580 U
Thallium	- -	- -	1.00 B	0.530 B [0.390 U]	1.00 B	2.10	0.410 U	0.430 U	0.430 U	1.30 B	0.670 B	0.420 U	0.440 U	0.960 B	0.750 B	0.760 B
Zinc	10,000	2,480	23.5	25.0 [30.1]	41.1	62.2	451	27.9	31.3	61.5	308	22.7	36.1	63.4	38.5	28.4

See Notes on Page 22.

Table 9c. Summary of Soil Analytical Results for Detected Inorganics (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-268 29 - 30 02/02/07	SB-268 44 - 45 02/02/07	SB-269 5 - 6 02/01/07	SB-269 9.5 - 10 02/01/07	SB-269 29.5 - 30 02/01/07	SB-269 33 - 33.7 02/01/07	SB-270 8 - 9 03/04/07	SB-270 21 - 22 03/04/07	SB-270 23 - 24 03/04/07	SB-270 24 - 25 03/04/07	SB-271 3 - 5 02/02/07	SB-271 10 - 11 02/02/07	SB-271 15 - 16 02/02/07	SB-271 19 - 20 02/02/07
Inorganics																
Amenable Cyanide	- -	- -	0.130 U	0.180 U	0.140 U	0.310 B	0.150 U [0.150 U]	0.180 U	NA	NA	NA	NA	0.140 U	0.150 U	0.150 UJ	0.190 U
Antimony	- -	- -	0.180 J	0.410 J	1.30 J	1.20 UJ	1.10 UJ [0.220 UJ]	1.40 UJ	0.450 J	0.210 J	0.200 UJ	0.490 J	1.90 J	0.300 J	0.270 J	0.560 J
Arsenic	16	16	3.70	7.30	6.30	3.00	2.40 [3.80]	7.80	2.20	0.800 B	1.60	6.10	12.0	2.00	2.20	8.60
Beryllium	72	47	0.240 B	0.730	0.470 B	0.530 B	0.350 B [0.310 B]	0.710 B	0.710	0.380 B	0.310 B	0.370 B	0.430 B	0.420 B	0.370 B	0.650 B
Cadmium	4.3	7.5	0.0200 U	0.0300 U	0.550 U	0.0200 U	0.0200 U [0.0300 U]	0.0300 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.980	0.0200 U	0.0200 U	0.0300 U
Chromium	- -	- -	13.1	29.9	13.6	21.7	10.4 [11.1]	25.8	13.4	12.9	9.60	9.30	9.80	14.2	12.5	23.0
Copper	270	1,720	13.3	16.5	59.1	26.7	15.2 [18.6]	16.9	38.9	10.5	10.7	17.5	73.6	17.3	13.4	15.0
Cyanide	27	40	0.130 UJ	0.180 UJ	0.660	0.310 B	NA	NA	0.460 J	0.140 J	0.140 UJ	0.530 J	2.20	0.150 UJ	0.150 UJ	0.190 UJ
Lead	400	450	15.4 J	11.3 J	245	21.8 J	42.7 [139 J]	10.5	65.5	167	30.8	31.7	350 J	9.40 J	10.0 J	12.2 J
Mercury	0.81	0.73	0.0240 B	0.0280 B	0.210	0.0550 J	0.0750 [0.390 J]	0.0510 J	0.0680 J	0.0540 J	0.0310 J	0.0990 J	**0.900**	0.0290 B	0.0200 U	0.0680
Nickel	310	130	12.2	24.8	19.6	19.2 J	9.20 [29.2 J]	24.2	38.0	9.00	12.2	11.6	21.9	16.5	13.9	21.0
Selenium	180	4	R	R	0.230 UJ	0.250 UJ	0.240 UJ [R]	0.300 UJ	0.250 UJ	0.230 UJ	0.250 UJ	0.240 UJ	0.810 J	R	R	R
Silver	180	8.3	0.530 U	0.730 U	0.240 B	0.600 U	0.0400 U [0.630 U]	0.0600 U	0.0500 U	0.0400 U	0.0500 U	0.0500 U	0.560 U	0.610 U	0.0500 U	0.700 U
Thallium	- -	- -	0.650 B	1.90	0.400 B	1.40	0.500 B [0.630 B]	0.490 U	1.20 U	0.370 U	1.60 U	1.20 U	0.920 B	0.760 B	1.20	1.40
Zinc	10,000	2,480	15.2	64.1	159	26.1	16.2 [31.0]	60.4	37.2	11.8	25.8	23.1	383	35.8	31.8	55.6

See Notes on Page 22.

Table 9c. Summary of Soil Analytical Results for Detected Inorganics (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-272	SB-272	SB-272	SB-273	SB-273	SB-273	SB-274	SB-274	SB-274	SB-275	SB-275	SB-275	SB-277	SB-277	SB-277
Sample Depth(Feet):			7 - 8	16 - 17	24 - 25	9 - 10	24 - 25	29 - 30	7 - 8	23 - 24	29 - 30	7 - 8	22 - 23	29 - 30	7 - 9	11 - 13	13 - 15
Date Collected:			03/05/07	03/05/07	03/05/07	03/03/07	03/03/07	03/03/07	03/05/07	03/05/07	03/05/07	03/04/07	03/04/07	03/04/07	02/26/07	02/26/07	02/26/07
Inorganics																	
Amenable Cyanide	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.200 B	0.760 U	0.130 U
Antimony	- -	- -	0.450 J	0.200 UJ	0.550 J	0.420 J	0.270 J	0.320 J	0.460 J	0.660 J	0.430 J	0.470 J	0.630 J	0.770 J	0.260 J	1.10 J	0.250 UJ
Arsenic	16	16	2.90	1.30	12.0	1.00 B	0.250 B	1.10 B	2.50	8.10	10.1	3.70	5.00	9.40	2.00 J	1.40 J	1.40 J
Beryllium	72	47	0.380 B	0.280 B	1.00	0.340 B	0.560 U	0.660	0.590 J	0.630 B	0.680 U	0.580 U	0.720 U	0.810	0.170 B	0.150 B	0.190 B
Cadmium	4.3	7.5	0.0200 U	0.0200 U	0.0300 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0400 U	0.0300 U	0.0200 U	0.0300 U	0.0300 U	0.0600 U	0.580 B	0.0600 U
Chromium	- -	- -	11.0	8.00	32.0	10.4	5.40	17.2	18.9	23.3	16.2	12.5	17.1	26.7	9.60	5.80	4.70
Copper	270	1,720	16.0	10.8	28.6	13.1	2.20	9.00	38.2	14.3	17.1	55.7	59.8	21.9	2.80	24.2	6.70
Cyanide	27	40	0.510 J	0.140 UJ	0.240 J	0.140 U	0.340 B	0.150 U	0.150 U	1.10	0.180 U	0.140 U	0.180 U	0.190 U	2.30	13.0	0.390 B
Lead	400	450	33.3	34.6	30.2	5.20 J	1.50 J	9.70 J	20.3 J	9.20 J	22.3 J	93.6 J	23.6 J	26.1 J	7.40	74.0	10.8
Mercury	0.81	0.73	0.0430 J	0.0530 J	0.190 J	0.0180 U	0.0200 B	0.0270 B	0.130	0.130	0.0480 B	0.180	0.150	0.210	0.0340 B	0.0890	0.0240 B
Nickel	310	130	14.4	12.0	31.0	9.90	4.00 B	23.3	31.6	21.4	14.8	14.0	16.6	26.3	3.70 B	3.50 B	2.60 B
Selenium	180	4	0.260 UJ	0.250 UJ	0.360 UJ	0.230 UJ	0.240 UJ	0.240 UJ	0.250 UJ	0.380 UJ	0.280 UJ	0.240 UJ	0.300 UJ	0.310 UJ	0.250 U	0.260 U	0.250 U
Silver	180	8.3	0.0500 U	0.0500 U	0.0700 U	0.0400 U	0.0500 U	0.0400 U	0.0900 B	0.0700 U	0.0500 U	0.0800 B	0.0600 U	0.0600 U	0.0600 U	0.0600 B	0.0600 U
Thallium	- -	- -	1.20 U	0.400 U	2.40 U	0.870 B	0.380 U	0.760 B	0.400 U	1.30 B	0.630 B	0.520 B	0.490 U	1.50	0.480 UJ	0.510 UJ	0.480 UJ
Zinc	10,000	2,480	45.5	20.2	82.7	14.2	5.10	26.7	41.1	53.5	36.7	41.9	35.2	68.8	13.0	128	60.7

See Notes on Page 22.

Table 9c. Summary of Soil Analytical Results for Detected Inorganics (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-277 17 - 19 02/26/07	SB-278 5 - 7 02/26/07	SB-278 15 - 17 02/26/07	SB-278 17 - 19 02/26/07	SB-278 19 - 21 02/26/07	SB-279 14 - 16 03/01/07	SB-279 20 - 22 03/01/07	SB-279 24 - 26 03/01/07	SB-279 28 - 30 03/01/07	SB-280 5 - 7 03/01/07	SB-280 7 - 9 03/01/07	SB-280 20 - 22 03/01/07	SB-280 28 - 30 03/01/07	SB-281 7 - 9 02/27/07	SB-281 9 - 11 02/27/07
Inorganics																	
Amenable Cyanide	- -	- -	0.190 U	0.140 U	0.140 U	0.140 U	0.190 U	NA	NA	NA	NA	NA	NA	NA	NA	0.140 U	0.140 U
Antimony	- -	- -	3.20 J	22.6 J	7.40 J	0.990 J	0.850 J	0.260 J	0.320 J	0.260 J	0.340 J	0.350 J	0.380 J	0.570 J	0.200 J	0.510 J	0.660 J
Arsenic	16	16	1.90 J	6.20 J	0.900 J	0.970 J	2.00 J	5.70	2.60	1.80	2.10	2.60	6.10	5.50	0.460 B	2.80 J	2.80 J
Beryllium	72	47	0.110 B	0.0900 B	0.160 B	0.140 B	0.160 B	0.590 B	0.380 B	0.440 B	0.510 B	0.590 B	0.370 B	0.620	0.310 B	0.190 B	0.200 B
Cadmium	4.3	7.5	0.120 B	1.10	0.0600 U	0.0500 U	0.110 B	0.0300 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0300 U	0.0200 U	0.0200 U	0.0500 U	0.0500 U
Chromium	- -	- -	9.60	9.40	7.00	4.30	6.30	13.3	14.8	20.5	14.7	16.3	9.10	17.5	9.30	12.4	11.8
Copper	270	1,720	24.8	133	4.10	1.80	11.9	16.4	19.8	33.1	19.3	18.8	28.3	34.9	12.7	12.0	13.9
Cyanide	27	40	0.190 U	0.140 U	0.140 U	0.750	0.190 U	10.2 J	6.40 J	0.660 J	0.150 UJ	**128 J**	**52.6 J**	0.940 J	4.30 J	2.10	1.40
Lead	400	450	202	**463**	19.7	4.40	42.8	209	75.9	4.80	6.40	41.4	144	11.7	2.70	44.8	69.2
Mercury	0.81	0.73	0.0620	0.0900	0.0410	0.0220 B	0.0630	0.120 J	0.0610 J	0.0200 J	0.0190 UJ	0.150 J	0.470 J	0.0280 J	0.0190 UJ	0.0230 B	0.0350 B
Nickel	310	130	4.00 B	11.1	2.00 B	2.30 B	2.90 B	17.2	18.4	21.3	18.1	12.1	10.1	26.1	11.0	5.30	5.10
Selenium	180	4	0.780 U	1.20 U	0.250 U	0.230 U	0.330 U	0.270 UJ	0.230 UJ	0.240 UJ	0.250 UJ	0.260 UJ	0.270 UJ	0.250 UJ	0.240 UJ	0.240 U	0.240 U
Silver	180	8.3	0.0800 U	0.280 B	0.0600 U	0.0500 U	0.0700 U	0.0500 U	0.0400 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Thallium	- -	- -	0.670 UJ	0.500 UJ	0.490 UJ	0.450 UJ	0.640 UJ	1.30 U	1.10 U	1.20 U	1.20 U	1.20 U	1.30 U	1.60 U	0.380 U	0.470 UJ	0.470 UJ
Zinc	10,000	2,480	66.4	735	22.2	18.5	26.9	20.5	25.9	27.8	32.4	37.1	89.0	53.1	13.4	46.7	42.8

See Notes on Page 22.

Table 9c. Summary of Soil Analytical Results for Detected Inorganics (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-281 13 - 15 02/27/07	SB-281 17 - 19 02/27/07	SB-334A 11 04/30/08	SB-334A 14 04/30/08	SB-338B 11 05/01/08	SB-338B 20 - 21 05/01/08	SB-339A 19 - 20 05/01/08	SB-A 2 09/05/08	SB-A 7 - 8 03/05/07	SB-A 8 09/05/08	SB-A 21 09/05/08	SB-A 24 - 25 03/05/07	SB-A 32 09/05/08	SB-C 9 - 9.5 10/09/08	SB-C 14 09/08/08
Inorganics																	
Amenable Cyanide	- -	- -	0.300 U	1.02	NA	NA	NA	NA	NA	0.550 U	NA	0.580 U	0.560 U	NA	0.520 U	NA	0.530 U
Antimony	- -	- -	1.60 J	0.380 J	NA	NA	NA	NA	NA	NA	0.370 J	NA	NA	0.750 J	NA	NA	NA
Arsenic	16	16	4.50 J	2.10 J	NA	NA	NA	NA	NA	NA	3.00	NA	NA	7.50	NA	NA	NA
Beryllium	72	47	0.880	0.320 B	NA	NA	NA	NA	NA	NA	0.390 B	NA	NA	0.610 B	NA	NA	NA
Cadmium	4.3	7.5	0.0600 U	0.0700 U	NA	NA	NA	NA	NA	NA	0.0200 U	NA	NA	0.0300 U	NA	NA	NA
Chromium	- -	- -	9.10	7.30	NA	NA	NA	NA	NA	NA	14.3	NA	NA	21.7	NA	NA	NA
Copper	270	1,720	60.4	9.40	NA	NA	NA	NA	NA	NA	22.6	NA	NA	13.1	NA	NA	NA
Cyanide	27	40	4.30	1.30	NA	NA	NA	NA	NA	0.550 U	0.150 U	0.0770 J	**58.0**	0.190 U	0.0860 J	0.170 J	0.230 J
Lead	400	450	110	22.6	NA	NA	NA	NA	NA	NA	59.1 J	NA	NA	9.40 J	NA	NA	NA
Mercury	0.81	0.73	0.170	0.0490	NA	NA	NA	NA	NA	NA	0.120	NA	NA	0.0540	NA	NA	NA
Nickel	310	130	7.40	4.30 B	NA	NA	NA	NA	NA	NA	13.9	NA	NA	20.3	NA	NA	NA
Selenium	180	4	0.570 U	0.290 U	NA	NA	NA	NA	NA	NA	0.240 UJ	NA	NA	0.330 UJ	NA	NA	NA
Silver	180	8.3	0.170 B	0.0700 U	NA	NA	NA	NA	NA	NA	0.0400 U	NA	NA	0.0600 U	NA	NA	NA
Thallium	- -	- -	0.490 UJ	0.560 UJ	NA	NA	NA	NA	NA	NA	0.560 B	NA	NA	0.960 B	NA	NA	NA
Zinc	10,000	2,480	97.5	28.1	NA	NA	NA	NA	NA	NA	36.5	NA	NA	51.8	NA	NA	NA

See Notes on Page 22.

Table 9c. Summary of Soil Analytical Results for Detected Inorganics (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-C 22 09/08/08	SB-C 28 - 28.5 10/09/08	SB-C 36 09/09/08	SB-C 39 - 39.5 10/09/08	SB-C 41 - 41.5 10/09/08	SB-D 12 09/04/08	SB-D 24 09/04/08	SC-0126 01/26/07	TP-1B 1 - 1.5 05/04/05	WELL CLUSTER A 12 08/20/08	WELL CLUSTER A 17 08/21/08	WELL CLUSTER A 20 08/21/08
Inorganics														
Amenable Cyanide	- -	- -	0.550 U	NA	0.620 U	NA	NA	0.560 U [0.550 U]	0.580 U	NA	0.560 [0.550]	0.570 U	0.640 U	0.620 U
Antimony	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	0.366 U [0.763 J]	NA	NA	NA
Arsenic	16	16	NA	NA	NA	NA	NA	NA	NA	NA	5.70 [4.03]	NA	NA	NA
Beryllium	72	47	NA	NA	NA	NA	NA	NA	NA	NA	0.346 J [0.374 J]	NA	NA	NA
Cadmium	4.3	7.5	NA	NA	NA	NA	NA	NA	NA	NA	0.227 J [0.0360 U]	NA	NA	NA
Chromium	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	13.5 [15.4]	NA	NA	NA
Copper	270	1,720	NA	NA	NA	NA	NA	NA	NA	NA	26.1 [24.6]	NA	NA	NA
Cyanide	27	40	0.550 U	2.10	0.620 U	0.180 J	0.770 U	0.560 U [0.550 U]	0.0850 J	3.90	2.18 J [1.77]	0.570 U	0.640 U	1.10
Lead	400	450	NA	NA	NA	NA	NA	NA	NA	NA	**834 [773]**	NA	NA	NA
Mercury	0.81	0.73	NA	NA	NA	NA	NA	NA	NA	NA	0.392 J [0.488 J]	NA	NA	NA
Nickel	310	130	NA	NA	NA	NA	NA	NA	NA	NA	8.78 [8.90]	NA	NA	NA
Selenium	180	4	NA	NA	NA	NA	NA	NA	NA	NA	0.381 UJ [0.376 UJ]	NA	NA	NA
Silver	180	8.3	NA	NA	NA	NA	NA	NA	NA	NA	0.323 J [0.0870 U]	NA	NA	NA
Thallium	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	0.589 U [0.582 U]	NA	NA	NA
Zinc	10,000	2,480	NA	NA	NA	NA	NA	NA	NA	NA	219 [106]	NA	NA	NA

See Notes on Page 22.

Table 9c. Summary of Soil Analytical Results for Detected Inorganics (ppm), Consolidated Edison, West 18th Street, New York, New York

Location ID: Sample Depth(Feet): Date Collected:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	WELL CLUSTER B 1 08/20/08	WELL CLUSTER B 9 - 9.5 10/09/08	WELL CLUSTER B 10 08/22/08	WELL CLUSTER B 20 08/22/08	WELL CLUSTER B 30 - 30.5 10/09/08	WELL CLUSTER B 32 - 32.5 10/09/08	WELL CLUSTER C 11 08/26/08	WELL CLUSTER C 21 08/26/08
Inorganics										
Amenable Cyanide	- -	- -	0.560 U	NA	0.500 U	0.500 U	NA	NA	2.00	7.40
Antimony	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	16	16	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	72	47	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	4.3	7.5	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA
Copper	270	1,720	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	27	40	1.20	0.440 J	0.570 U	17.4	1.40 [0.0980 J]	0.800 U	2.20	27.7
Lead	400	450	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.81	0.73	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	310	130	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	180	4	NA	NA	NA	NA	NA	NA	NA	NA
Silver	180	8.3	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	10,000	2,480	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Page 22.

Table 9c. Summary of Soil Analytical Results for Detected Inorganics (ppm), Consolidated Edison, West 18th Street, New York, New York

Notes:

1. Samples were collected by the following:
   - TRC Environmental Corporation from April 2005 to May 2005.
   - ARCADIS from June 2006 to the present.
2. Laboratory analysis of the June 2006 samples and the 2008 samples were performed by TestAmerica Laboratories, Inc. (TestAmerica) of Shelton, Connecticut for:
   - Inorganics using USEPA SW-846 Method 6010B.
   - Mercury using USEPA SW-846 Methods 7470/7471.
   - Total Cyanide using USEPA SW-846 Method 9012B.
   - Amenable Cyanide using USEPA SW-846 Method 4500 CN G.
3. Laboratory analysis of the September 2006, October 2006, November 2006, December 2006, and the 2007 samples were performed by CompuChem Laboratories, Inc. located in Cary, North Carolina for:
   - Inorganics using USEPA SW-846 Method 6010B.
   - Mercury using USEPA SW-846 Methods 7470/7471.
4. Laboratory analysis of the April and May 2005 samples (TRC samples) were performed by ChemTech Laboratories, located in Mountainside, New Jersey for:
   - Inorganics using USEPA SW-846 Method 6010B.
   - Mercury using USEPA SW-846 Methods 7470/7471.
5. NYSDEC = New York State Department of Environmental Conservation.
6. bgs = below ground surface.
7. All concentrations reported in dry weight parts per million (ppm), which is equivalent to milligrams per kilogram (mg/kg).
8. Field duplicate sample results are presented in brackets.
9. Data qualifiers are defined as follows:
   B - Constituent was found in the sample as well as its associated blank.
   J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
   ND = None detected.
   U = The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
   UJ = The compound was analyzed for but not detected. The associated value is the estimated compound quantitation limit.
10. 6 NYCRR Part 375 Restricted Use Soil Cleanup Objectives (SCOs) are from Title 6 of the Official Compilation of Codes, Rules, and Regulations of the State of New York (6 NYCRR) Part 375-6.8(b).
11. - - = No 6 NYCRR Part 375 SCO listed.
12. NA = Not Analyzed.
13. Bolding indicates that the sample result exceeds NYSDEC Restricted Use SCO - Protection of Groundwater.
14. Shading indicates that the sample result exceeds NYSDEC Restricted Use SCO - Restricted Residential.
15. Only those constituents detected in one or more samples are summarized.

Table 10a. Summary of Groundwater Analytical Results for Detected VOCs (ppb), Consolidated Edison, West 18th Street, New York, New York

Location ID: / Date Collected:	NYDEC Class GA Standard	MW-1 10/02/08	MW-2 10/02/08	MW-3 10/01/08	MW-4 10/01/08	MW-5 10/02/08	MW-5A 10/02/08	MW-5B 10/02/08	MW-7 10/02/08	MW-8 10/01/08	MW-11 09/30/08	MW-12 09/30/08	MW-24A 03/07/07	MW-24B 03/07/07	MW-232A 03/07/07	MW-232B 03/07/07	MW-233A 03/08/07
Volatile Organics																	
1,1,1-Trichloroethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U	5.0 U	20 U	5.0 U	5.0 U	5.0 U [5.0 U]	5.0 U	5.0 U
2-Butanone	50	10 U	10 U	10 UJ	10 U	10 U	23	10 U	10 U	100 U	10 U	40 U	13 U	13 U	13 U [13 U]	13 U	13 U
2-Hexanone	50	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 U	100 U	12 J	40 UJ	13 U	13 U	13 U [13 U]	13 U	13 U
4-Methyl-2-pentanone	- -	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4.8 J	34 J	10 U	40 U	13 U	13 U	13 U [13 U]	13 U	13 U
Acetone	50	2.4 J	1.7 J	10 UJ	17	3.0 J	10 U	1.3 J	3.0 J	42 J	11	40 U	13 U	13 U	13 U [13 U]	13 U	13 U
Benzene	1	**1,400 D**	**420 D**	**2,500 D**	**840 D**	**700 D**	**21**	5.0 U	**390 D**	**3,500 D**	**7,400 D**	**1,400 D**	**6.9**	**1,300 D**	**3.8 J [4.0 J]**	5.0 U	**1.8 J**
Chlorobenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U	5.0 U	20 U	5.0 U	1.7 J	5.0 U [5.0 U]	5.0 U	5.0 U
Chloroform	7	5.0 U	5.0 U	5.0 U	5.0 UB	5.0 U	5.0 U	5.0 U	5.0 U	50 U	5.0 U	20 U	5.0 U	5.0 U	5.0 U [5.0 U]	5.0 U	5.0 U
cis-1,2-Dichloroethene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U	5.0 U	20 U	5.0 U	**7.7**	5.0 U [5.0 U]	5.0	5.0 U
Cyclohexane	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.0 UJ	7.2 J	5.0 UJ [5.0 U]	5.0 UJ	5.0 UJ
Ethylbenzene	5	**6.4**	2.2 J	**49**	**110**	**16**	**17**	5.0 U	**5.1**	**2,100 D**	**1,100 D**	**22**	5.0 U	**1,500 D**	**4.9 J [6.3]**	5.0 U	5.0 U
Isopropylbenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.8 J	**96**	3.6 J [3.9 J]	5.0 U	3.1 J
Methyl tert-butyl ether	10	**83**	**53**	**58**	**30**	**23**	**24**	0.48 J	**21**	**37 J**	**500 D**	**22**	5.0 U	5.0 U	5.0 U [5.0 U]	5.0 U	5.0 U
Methylcyclohexane	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.0 U	7.6	5.0 U [5.0 U]	5.0 U	5.0 U
Styrene	5	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 UJ	5.0 U	20 U	5.0 U	5.0 U	5.0 U [5.0 U]	5.0 U	5.0 U
Tetrachloroethene	5	5.0 U	5.0 U	5.0 U	5.0 U	1.4 J	5.0 U	5.0 U	5.0 U	50 U	5.0 U	20 U	5.0 U	5.0 U	5.0 U [5.0 U]	5.0 U	5.0 U
Toluene	5	2.0 J	1.8 J	**26**	**82**	**8.0**	5.0 U	5.0 U	**12**	**4,700 D**	**260 DJ**	**30**	5.0 U	**5,200 D**	5.0 U [5.0 U]	5.0 U	5.0 U
Trichloroethene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U	5.0 U	20 U	5.0 U	1.7 J	5.0 U [5.0 U]	**6.1**	5.0 U
Xylenes (total)	5	**23**	**10**	**89 J**	**850**	**40**	**23**	5.0 U	**48**	**14,000**	**3,400**	**130**	5.0 U	**5,400 D**	**8.4 [11]**	5.0 U	5.0 U
Total BTEX	- -	1,400 J	430 J	2,700 J	1,900	760	61	ND	460	24,000	12,000 J	1,600	6.9	13,000	17 J [21 J]	ND	1.8 J
Total VOCs	- -	1,400 J	440 J	2,700 J	1,900	770 J	84	1.3 J	460 J	24,000 J	12,000 J	1,600	6.9	13,000 J	17 J [21 J]	11	1.8 J

See Notes on Page 3.

Table 10a. Summary of Groundwater Analytical Results for Detected VOCs (ppb), Consolidated Edison, West 18th Street, New York, New York

Location ID: / Date Collected:	NYDEC Class GA Standard	MW-233B 03/08/07	MW-233C 03/08/07	MW-236A 03/08/07	MW-236B 03/08/07	WELL CLUSTER A2 09/30/08	WELL CLUSTER A3 09/30/08	WELL CLUSTER B2 10/01/08	WELL CLUSTER B3 10/01/08	WELL CLUSTER C2 09/30/08	WELL CLUSTER C3 09/30/08
Volatile Organics											
1,1,1-Trichloroethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**20 J**	20 U	20 U [25 U]	5.0 U	20 U
2-Butanone	50	13 U	13 U	13 U	13 U	10 UJ	40 UJ	40 U	40 U [50 U]	10 UJ	40 U
2-Hexanone	50	13 U	13 U	13 U	13 U	10 UJ	40 UJ	40 UJ	40 UJ [50 UJ]	10 UJ	40 UJ
4-Methyl-2-pentanone	- -	13 U	13 U	13 U	13 U	10 U	40 UJ	40 U	40 U [50 U]	10 U	40 U
Acetone	50	13 U	13 U	13 U	13 U	9.0 J	40 UJ	20 J	40 U [50 U]	12 J	8.1 J
Benzene	1	**3.3 J**	**4,000 D**	5.0 U	5.0 U	**4,000 D**	**15,000 D**	**640 D**	**4,700 D [4,300 D]**	**58**	**3,500 D**
Chlorobenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	20 UJ	20 U	20 U [25 U]	5.0 U	20 U
Chloroform	7	5.0 U	1.9 J	5.0 U	5.0 U	5.0 UB	20 UJ	20 U	20 U [25 U]	5.0 UB	20 UB
cis-1,2-Dichloroethene	5	**6.1**	5.0 U	5.0 U	**8.3**	5.0 U	20 UJ	20 U	20 U [25 U]	5.0 U	20 U
Cyclohexane	- -	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	NA	NA	NA	NA	NA	NA
Ethylbenzene	5	5.0 U	**380 D**	5.0 U	5.0 U	**1,200 D**	**360 J**	**120**	**65 [52]**	3.1 J	**940 D**
Isopropylbenzene	5	5.0 U	**25**	5.0 U	5.0 U	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	10	4.5 J	5.0 U	5.0 U	4.1 J	**110 DJ**	**120 J**	**32**	**79 [91]**	**30**	**37**
Methylcyclohexane	- -	5.0 U	5.0 U	5.0 U	5.0 U	NA	NA	NA	NA	NA	NA
Styrene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	20 UJ	20 U	20 UJ [25 UJ]	5.0 UJ	**37**
Tetrachloroethene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	20 UJ	20 U	20 U [25 U]	5.0 U	20 U
Toluene	5	1.3 J	**260 D**	0.81 J	0.80 J	**26**	**12 J**	**91**	**26 [25 J]**	**6.1**	**1,700 D**
Trichloroethene	5	**7.1**	5.0 U	5.0 U	**8.8**	5.0 U	20 UJ	20 U	20 U [25 U]	5.0 U	20 U
Xylenes (total)	5	5.0 U	**1,100 D**	5.0 U	5.0 U	**2,000 J**	**640 J**	**1,000**	**120 J [89 J]**	**9.4 J**	**2,100**
Total BTEX	- -	4.6 J	5,700	0.81 J	0.80 J	7,200 J	16,000 J	1,900	4,900 J [4,500 J]	77 J	8,200
Total VOCs	- -	18 J	5,700 J	0.81 J	18 J	7,200 J	16,000 J	1,900 J	4,900 J [4,500 J]	89 J	8,300 J

See Notes on Page 3.

Table 10a. Summary of Groundwater Analytical Results for Detected VOCs (ppb), Consolidated Edison, West 18th Street, New York, New York

Notes:

1. Samples were collected by ARCADIS in March 2007, September 2008, and October 2008.
2. Laboratory analysis of the 2008 samples were performed by TestAmerica Laboratories, Inc. (TestAmerica) of Shelton, Connecticut for Volatile Organic Compounds (VOCs)/Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX) using United States Environmental Protection Agency (USEPA) SW-846 Method 8260B.
3. Laboratory analysis of the 2007 samples were performed by CompuChem Laboratories, Inc. located in Cary, North Carolina for VOCs/BTEX using USEPA SW-846 Method 8240.
   - SVOCs/PAHs using USEPA SW-846 Method 8270.
   - Inorganics using USEPA SW-846 Method 6010B.
   - Mercury using USEPA SW-846 Methods 7470/7471.
4. NYSDEC = New York State Department of Environmental Conservation.
5. Concentrations reported in parts per billion (ppb), which is equivalent to micrograms per liter (µg/L).
6. Field duplicate sample results are presented in brackets.
7. Data qualifiers are defined as follows:
   D = The compound was found at a dilution factor.
   J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
   U = The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
   UJ = The compound was analyzed for but not detected. The associated value is the estimated compound quantitation limit.
8. NYSDEC Class GA Standard are from Title 6 of the Official Compilation of Codes, Rules, and Regulations of the State of New York (6 NYCRR) Part 703.5.
9. - - = No NYSDEC Class GA Standard listed.
10. Only those constituents detected in one or more samples are summarized.
11. Bold and shading indicates the sample results exceed NYSDEC Class GA standards.

TABLE 10b. Summary of Groundwater Analytical Results for Detected SVOCs and DRO (ppb), Consolidated Edison, West 18th Street, New York, New York

Location ID: / Date Collected:	NYDEC Class GA Standard	MW-1 10/02/08	MW-2 10/02/08	MW-3 10/01/08	MW-4 10/01/08	MW-5 10/02/08	MW-5A 10/02/08	MW-5B 10/02/08	MW-7 10/02/08	MW-8 10/01/08	MW-11 09/30/08	MW-12 09/30/08	MW-24A 03/07/07	MW-24B 03/07/07	MW-232A 03/07/07	MW-232B 03/07/07	MW-233A 03/08/07
Semi Volatile Organics																	
1,1-Biphenyl	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	**39**	10 U [10 U]	10 U	10 U
2,4-Dimethylphenol	1	4.0 U	4.4 U	4.0 U	4.0 U	6.1 U	4.7 U	4.4 U	6.1 U	42 U	**81 D**	4.7 U	10 U	**42**	10 U [10 U]	10 U	10 U
2-Methylnaphthalene	- -	20	6.9	16	14	9.0	4.7 U	4.4 U	7.3	180 D	89 D	3.2 J	10 U	530 D	3.0 J [3.7 J]	10 U	10 U
2-Methylphenol	1	4.0 U	4.4 U	4.0 U	4.0 U	6.1 U	4.7 U	4.4 U	6.1 U	42 U	**16**	4.7 U	10 U	**1.4 J**	10 U [10 U]	10 U	10 U
4-Methylphenol	1	4.0 U	4.4 U	4.0 U	4.0 U	6.1 U	4.7 U	4.4 U	6.1 U	**320 D**	**14**	4.7 U	20 U	20 U	20 U [20 U]	20 U	20 U
Acenaphthene	20	**21**	9.6	**21**	12	2.0 J	4.7 U	4.4 U	1.7 J	42 U	4.3 U	0.95 J	**32**	**25**	**20 [21]**	10 U	5.6 J
Acenaphthylene	- -	4.0 U	4.4 U	4.0 U	4.0 U	6.1 U	4.7 U	4.4 U	6.1 U	42 U	4.3 U	4.7 U	1.8 J	44	10 U [10 U]	10 U	10 U
Anthracene	50	1.7 J	0.58 J	1.5 J	0.80 J	6.1 U	4.7 U	4.4 U	6.1 U	42 U	4.3 U	4.7 U	7.4 J	12	2.2 J [2.6 J]	10 U	1.2 J
Benzo(a)anthracene	0.002	4.0 U	4.4 U	4.0 U	4.0 U	6.1 U	4.7 U	4.4 U	6.1 U	42 U	4.3 U	4.7 U	**1.9 J**	10 U	10 U [10 U]	10 U	10 U
Benzo(a)pyrene	0	4.0 U	4.4 U	4.0 U	4.0 U	6.1 U	4.7 U	4.4 U	6.1 U	42 U	4.3 U	4.7 U	**1.5 J**	10 U	10 U [10 U]	10 U	10 U
Benzo(b)fluoranthene	0.002	4.0 U	4.4 U	4.0 U	4.0 U	6.1 U	4.7 U	4.4 U	6.1 U	42 U	4.3 U	4.7 U	**1.4 J**	10 U	10 U [10 U]	10 U	10 U
Benzyl Alcohol	- -	4.0 U	4.4 U	4.0 U	4.0 U	6.1 U	4.7 U	4.4 U	6.1 U	42 U	4.3 U	4.7 U	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	5	4.0 U	4.4 U	4.0 U	4.0 U	6.1 U	4.7 U	4.4 U	6.1 U	42 U	4.3 U	4.7 U	10 U	10 U	10 U [10 U]	10 U	10 U
Carbazole	- -	48	4.7	5.3	3.3 J	6.1 U	4.7 U	4.4 U	6.1 U	42 U	2.7 J	4.7 U	5.4 J	230 EJ	4.9 J [4.7 J]	10 U	10 U
Chrysene	0.002	4.0 U	4.4 U	4.0 U	4.0 U	6.1 U	4.7 U	4.4 U	6.1 U	42 U	4.3 U	4.7 U	**1.8 J**	10 U	10 U [10 U]	10 U	10 U
Dibenzofuran	- -	8.7	3.5 J	8.8	3.0 J	6.1 U	4.7 U	4.4 U	6.1 U	42 U	0.45 J	0.81 J	22	56	10 [11]	10 U	2.9 J
Di-n-Butylphthalate	50	4.0 U	4.4 U	4.0 U	4.0 U	6.1 U	4.7 U	4.4 U	6.1 U	42 U	4.3 U	4.7 U	10 U	10 U	10 U [10 U]	10 U	10 U
Fluoranthene	50	4.0 U	4.4 U	0.78 J	0.61 J	6.1 U	4.7 U	4.4 U	1.0 J	42 U	4.3 U	4.7 U	7.9 J	4.1 J	2.5 J [2.4 J]	10 U	2.2 J
Fluorene	50	9.0	3.7 J	13	6.2	1.3 J	4.7 U	4.4 U	1.1 J	42 U	4.3 U	1.2 J	3.0 J	**56**	6.6 J [7.3 J]	10 U	2.5 J
Naphthalene	10	**18**	3.7 J	10	5.2	7.9	3.2 J	4.4 U	**11**	**660 D**	**510 D**	**25**	10 U	**5,800 D**	**52 [58]**	10 U	4.9 J
Phenanthrene	50	14	2.9 J	10	3.9 J	1.4 J	4.7 U	4.4 U	1.8 J	42 U	0.49 J	4.7 U	4.9 J	48	2.5 J [2.3 J]	10 U	2.6 J
Phenol	1	**3.5 J**	**3.3 J**	**7.9**	**3.6 J**	**3.8 J**	4.7 U	4.4 U	6.1 U	**59**	**45**	**13**	10 U	10 U	10 U [10 U]	10 U	10 U
Pyrene	50	4.0 U	4.4 U	0.49 J	0.44 J	6.1 U	4.7 U	4.4 U	0.97 J	42 U	4.3 U	4.7 U	8.0 J	3.8 J	1.6 J [1.7 J]	10 U	2.1 J
Total SVOCs	- -	140 J	39 J	95 J	53 J	25 J	3.2 J	ND	25 J	1,200	760 J	44 J	99 J	6,900 J	110 J [120 J]	ND	24 J
PAHs																	
Total PAHs	- -	84 J	27 J	73 J	43 J	22 J	3.2 J	ND	25 J	840	600 J	30 J	72 J	6,500 J	90 J [99 J]	ND	21 J
Carcinogenic PAHs																	
Total Carcinogenic PAHs	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.6 J	ND	ND [ND]	ND	ND
Diesel Range Organics (DRO)																	
C10-C28 DRO	- -	NA	NA	NA	884	NA	NA	NA	NA	141,000	NA	NA	NA	NA	NA	NA	NA

See Notes on Page 3.

TABLE 10b. Summary of Groundwater Analytical Results for Detected SVOCs and DRO (ppb), Consolidated Edison, West 18th Street, New York, New York

Location ID: Date Collected:	NYDEC Class GA Standard	MW-233B 03/08/07	MW-233C 03/08/07	MW-236A 03/08/07	MW-236B 03/08/07	WELL CLUSTER A2 09/30/08	WELL CLUSTER A3 09/30/08	WELL CLUSTER B2 10/01/08	WELL CLUSTER B3 10/01/08	WELL CLUSTER C2 09/30/08	WELL CLUSTER C3 09/30/08
Semi Volatile Organics											
1,1-Biphenyl	5	10 U	**12**	10 U	10 U	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	1	**3.9 J**	**940 D**	10 U	10 U	4.3 U	4.4 U	**51**	4.0 U [4.0 U]	4.2 U	22 U
2-Methylnaphthalene	- -	10 U	92	10 U	10 U	49	110 D	8.4	37 [36]	3.1 J	310
2-Methylphenol	1	10 U	**46**	10 U	10 U	0.91 J	4.4 U	4.5 U	**1.5 J [1.1 J]**	4.2 U	**170**
4-Methylphenol	1	20 U	**19 J**	20 U	20 U	**2.2 J**	4.4 U	**3.9 J**	4.0 U [4.0 U]	0.59 J	**340**
Acenaphthene	20	10 U	18	10 U	10 U	4.0 J	**58**	2.0 J	18 [18]	3.4 J	**59**
Acenaphthylene	- -	10 U	2.9 J	10 U	10 U	4.3 U	4.4 U	4.5 U	1.2 J [4.0 U]	4.2 U	110
Anthracene	50	10 U	3.3 J	10 U	10 U	0.48 J	3.2 J	4.5 U	1.8 J [1.6 J]	4.2 U	19 J
Benzo(a)anthracene	0.002	10 U	10 U	10 U	10 U	4.3 U	4.4 U	4.5 U	4.0 U [4.0 U]	4.2 U	22 U
Benzo(a)pyrene	0	10 U	10 U	10 U	10 U	4.3 U	4.4 U	4.5 U	4.0 U [4.0 U]	4.2 U	22 U
Benzo(b)fluoranthene	0.002	10 U	10 U	10 U	10 U	4.3 U	4.4 U	4.5 U	4.0 U [4.0 U]	4.2 U	22 U
Benzyl Alcohol	- -	NA	NA	NA	NA	0.96 J	4.4 U	4.5 U	4.0 U [4.0 U]	4.2 U	22 U
bis(2-Ethylhexyl)phthalate	5	10 U	10 U	10 U	10 U	4.3 U	4.4 U	4.5 U	4.0 U [4.0 U]	0.92 J	22 U
Carbazole	- -	10 U	76	10 U	10 U	9.7	70	1.1 J	6.2 [5.3]	2.1 J	140
Chrysene	0.002	10 U	10 U	10 U	10 U	4.3 U	4.4 U	4.5 U	4.0 U [4.0 U]	4.2 U	22 U
Dibenzofuran	- -	10 U	20	10 U	10 U	1.8 J	26	4.5 U	6.9 [6.9]	1.0 J	68
Di-n-Butylphthalate	50	10 U	10 U	10 U	10 U	4.3 U	4.4 U	4.5 U	4.0 U [4.0 U]	1.5 J	22 U
Fluoranthene	50	10 U	1.6 J	10 U	10 U	4.3 U	0.90 J	4.5 U	0.91 J [0.88 J]	4.2 U	6.9 J
Fluorene	50	10 U	22	10 U	10 U	2.1 J	29	0.90 J	11 [11]	1.8 J	**81**
Naphthalene	10	**11**	**1,500 D**	10 U	3.9 J	**200 D**	**200 D**	**36**	**99 D [85 D]**	9.2	**3,000 D**
Phenanthrene	50	1.8 J	15	10 U	10 U	1.8 J	20	0.83 J	10 [9.9]	1.7 J	**75**
Phenol	1	10 U	**17**	10 U	10 U	**16**	**59**	**6.4**	**8.7 J [25 J]**	4.2 U	**180**
Pyrene	50	10 U	10 U	10 U	10 U	4.3 U	4.4 U	4.5 U	0.67 J [0.63 J]	0.50 J	5.5 J
Total SVOCs	- -	17 J	2,800 J	ND	3.9 J	290 J	580 J	110 J	200 J [200 J]	26 J	4,600 J
PAHs											
Total PAHs	- -	13 J	1,700 J	ND	3.9 J	260 J	420 J	48 J	180 J [160 J]	20 J	3,700 J
Carcinogenic PAHs											
Total Carcinogenic PAHs	- -	ND	ND	ND	ND	ND	ND	ND	ND [ND]	ND	ND
Diesel Range Organics (DRO)											
C10-C28 DRO	- -	NA	NA	NA	NA	4,990	8,170	2,360	2,810 [2,970]	1,380	10,900

See Notes on Page 3.

TABLE 10b. Summary of Groundwater Analytical Results for Detected SVOCs and DRO (ppb), Consolidated Edison, West 18th Street, New York, New York

Notes:

1. Samples were collected by ARCADIS in March 2007, September 2008, and October 2008.
2. Laboratory analysis of the 2008 samples were performed by TestAmerica Laboratories, Inc. (TestAmerica) of Shelton, Connecticut for Semi Volatile Organic Compounds (SVOCs)/Polynuclear Aromatic Hydrocarbons (PAHs) using USEPA SW-846 Method 8270C.
3. Diesel Range Organics (DRO) analysis where analyzed by Alpha Analytical of Mansfield, Massachusetts for DRO via gas chromatography/flame ionization detector (GC/FID) using USEPA SW-846 Method 8015B (modified).
4. Laboratory analysis of the 2007 samples were performed by CompuChem Laboratories, Inc. located in Cary, North Carolina for SVOCs/PAHs using USEPA SW-846 Method 8270.
5. NYSDEC = New York State Department of Environmental Conservation.
6. Concentrations reported in parts per billion (ppb), which is equivalent to micrograms per liter (µg/L).
7. Field duplicate sample results are presented in brackets.
8. Data qualifiers are defined as follows:
   D = The compound was found at a dilution factor.
   J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
   U = The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
   UJ = The compound was analyzed for but not detected. The associated value is the estimated compound quantitation limit.
9. NYSDEC Class GA Standard are from Title 6 of the Official Compilation of Codes, Rules, and Regulations of the State of New York (6 NYCRR) Part 703.5.
10. - - = No NYSDEC Class GA Standard listed.
11. Only those constituents detected in one or more samples are summarized.
12. Bold and shading indicates the sample results exceed NYSDEC Class GA standards.

Table 10c. Summary of Groundwater Analytical Results for Detected Inorganics (ppb), Consolidated Edison, West 18th Street, New York, New York

Location ID: / Date Collected:	NYDEC Class GA Standard	MW-1 10/02/08	MW-2 10/02/08	MW-3 10/01/08	MW-4 10/01/08	MW-5 10/02/08	MW-5A 10/02/08	MW-5B 10/02/08	MW-7 10/02/08	MW-8 10/01/08	MW-11 09/30/08	MW-12 09/30/08	MW-24A 03/07/07	MW-24B 03/07/07
Inorganics														
Amenable Cyanide	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	63.2	2.50 U
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.90 U	11.5
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.640 B	0.790 B
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.500 U	0.500 U
Cyanide	200	**370**	**510**	**260**	120	150	**470**	3.80 J	93.0	7.00 J	49.0	4.90 J	63.2	2.50 U
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.100 U	0.100 U
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.40 U	9.30 B
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.580 B	0.500 U

Location ID: / Date Collected:	NYDEC Class GA Standard	MW-232A 03/07/07	MW-232B 03/07/07	MW-233A 03/08/07	MW-233B 03/08/07	MW-233C 03/08/07	MW-236A 03/08/07	MW-236B 03/08/07	WELL CLUSTER A2 09/30/08	WELL CLUSTER A3 09/30/08	WELL CLUSTER B2 10/01/08	WELL CLUSTER B3 10/01/08	WELL CLUSTER C2 09/30/08	WELL CLUSTER C3 09/30/08
Inorganics														
Amenable Cyanide	- -	66.1 J [24.0 J]	2.50 U	38.0	2.50 U	2.50 U	2.50 U	2.50 U	NA	NA	NA	NA	NA	NA
Arsenic	25	4.80 B [2.90 U]	2.90 U	2.90 U	5.80 B	5.70 B	2.90 U	2.90 U	NA	NA	NA	NA	NA	NA
Cadmium	5	0.730 B [0.810 B]	0.560 B	1.30 B	0.650 B	1.70 B	0.500 U	0.640 B	NA	NA	NA	NA	NA	NA
Chromium	50	0.500 U [0.800 B]	0.500 U	0.730 B	0.500 U	1.20 B	0.620 B	0.500 U	NA	NA	NA	NA	NA	NA
Cyanide	200	145 [146]	2.50 U	38.0	2.50 U	134	4.40 B	2.50 U	**430**	**540**	200	**380 J [350]**	100	**450**
Mercury	0.7	0.100 U [0.100 U]	0.100 U	0.100 U	0.100 U	0.100 B	0.100 U	0.100 U	NA	NA	NA	NA	NA	NA
Nickel	100	3.30 B [3.60 B]	11.5 B	1.70 B	9.40 B	9.00 B	1.40 U	9.30 B	NA	NA	NA	NA	NA	NA
Silver	50	0.500 U [0.500 U]	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.620 B	NA	NA	NA	NA	NA	NA

Notes:

1. Samples were collected by ARCADIS in March 2007, September 2008, and October 2008.
2. Laboratory analysis of the 2008 samples were performed by TestAmerica Laboratories, Inc. (TestAmerica) of Shelton, Connecticut for:
   - Inorganics using USEPA SW-846 Method 6010B.
   - Mercury using USEPA SW-846 Methods 7470/7471.
   - Total Cyanide using USEPA SW-846 Method 9012B.
   - Amenable Cyanide using USEPA SW-846 Method 4500 CN G.
3. Laboratory analysis of the 2007 samples were performed by CompuChem Laboratories, Inc. located in Cary, North Carolina for:
   - Inorganics using USEPA SW-846 Method 6010B.
   - Mercury using USEPA SW-846 Methods 7470/7471.
4. NYSDEC = New York State Department of Environmental Conservation.
5. Concentrations reported in parts per billion (ppb), which is equivalent to micrograms per liter (µg/L).
6. Field duplicate sample results are presented in brackets.
7. Data qualifiers are defined as follows:
   D = The compound was found at a dilution factor.
   J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
   U = The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
   UJ = The compound was analyzed for but not detected. The associated value is the estimated compound quantitation limit.
8. NYSDEC Class GA Standard are from Title 6 of the Official Compilation of Codes, Rules, and Regulations of the State of New York (6 NYCRR) Part 703.5.
9. - - = No NYSDEC Class GA Standard listed.
10. Only those constituents detected in one or more samples are summarized.
11. Bold and shading indicates the sample results exceed NYSDEC Class GA standards.

Table 11. Summary of Soil Gas Analytical Results for TO-15 VOCs (ppb(v/v)), Consolidated Edison, West 18th Street, New York, New York

Sample ID: / Date Collected:	DEA-AA01 04/20/07	DEA-AA02 04/20/07	DEA-SG-01 04/20/07	DEA-SG-02 04/20/07	DEA-SG-03 04/20/07	DEA-SG-04 04/20/07	DEA-SG-05 04/20/07	DEA-SG-06 04/20/07	DEA-SG-07 04/20/07	DEA-SG-08 04/20/07	DEA-SG-09 04/20/07
TO-15 (ppb)											
1,1,1-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U [0.04 J]	0.043 J	0.2 U	0.2 U	0.2 U	0.046 J	0.2 U	0.26
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U [0.2 U]	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-trichloro-1,2,2-trifluoroethane	0.088 J	0.093 J	0.025 J	0.1 J [0.076 J]	0.094 J	0.062 J	0.038 J	0.052 J	0.075 J	0.091 J	0.061 J
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U [0.2 U]	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U [0.2 U]	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U [0.2 U]	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	0.071 J	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	0.08 J	0.42	0.53	1.4 J [0.52 J]	1.2	2.2	3.2	1.3	1.5	0.051 J	2.2
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.2 U	0.2 U	0.2 U	0.2 U [0.2 U]	0.2 U	0.2 U	0.2 U	0.055 J	0.2 U	0.2 U	0.2 U
1,2-Dichlorobenzene	0.2 U	0.2 U	0.2 U	0.2 U [0.2 U]	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U [0.2 U]	0.2 U	0.2 U	0.2 U	0.1 J	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.2 U	0.2 U	0.2 U	0.2 U [0.2 U]	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3,5-Trimethylbenzene	0.2 U	0.12 J	0.41	0.76 [0.51]	0.77	1.1	1.5	0.89	0.91	0.2 U	1.1
1,3-Dichlorobenzene	0.15 J	0.2 U	15	28 J [15 J]	38	36	46	49	35	0.24	43
1,4-Dichlorobenzene	0.2 U	0.2 U	0.078 J	0.12 J [0.065 J]	0.15 J	0.15 J	0.2	0.17 J	0.14 J	0.2 U	0.14 J
Benzene	0.39	0.87	12	1.3 [1.1]	1.2	3	2.6	2.9	3.5	0.25	1.5
Bromomethane	0.2 U	0.2 U	0.2 U	0.2 U [0.2 U]	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon Tetrachloride	0.081 J	0.087 J	0.055 J	0.093 J [0.068 J]	0.07 J	0.099 J	0.088 J	0.066 J	0.078 J	0.083 J	0.071 J
Chlorobenzene	0.2 U	0.2 U	0.2 U	0.068 J [0.054 J]	0.2 U	0.067 J	0.077 J	0.059 J	0.2 U	0.2 U	0.2 U
Chloroethane	0.2 U	0.2 U	0.2 U	0.094 J [0.064 J]	0.048 J	0.099 J	0.044 J	0.3	0.33	0.2 U	0.2 U
Chloroform	0.2 U	0.2 U	0.085 J	0.11 J [0.14 J]	0.076 J	0.051 J	0.058 J	0.26	0.32	0.2 U	0.14 J
Chloromethane	0.54	0.68	1	0.61 [0.21 J]	0.77	1.1	0.86	1.4	0.92	0.47 J	0.41 J
cis-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U [0.2 U]	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U [0.2 U]	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromomethane	0.4 U	0.4 U	0.4 U	0.4 U [0.4 U]	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Dichlorodifluoromethane	0.52	0.56	0.3	0.37 [0.34]	0.2 U	0.12 J	0.075 J	0.33	0.16 J	0.52	0.4
Ethylbenzene	0.34	0.82	3.1	2.4 [2.4]	2.9	4.1	5.2	3.2	2.7	0.088 J	4.6
Hexachlorobutadiene	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	1 U	0.12 J	1 U	1 U
Isopropylbenzene	0.4 U	0.4 U	0.13 J	0.12 J [0.1 J]	0.14 J	0.18 J	0.24 J	0.15 J	0.13 J	0.4 U	0.18 J
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U [0.5 U]	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m-Xylene & p-Xylene	0.92 J	2.4 J	7.1 J	6.2 J [5.4 J]	7 J	10 J	13 J	8.3 J	6.8 J	0.21 J	13 J
Naphthalene	0.5 U	0.5 U	0.5 U	0.5 U [0.5 U]	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Butane	1.2	10	23	1 [0.76]	0.4 U	19	19	58	10	1	2.2
n-Decane	1 U	0.11 J	0.19 J	2.3 [1]	2.5	1.2	1.7	3	2.8	1 U	3
n-Dodecane	1 U	1 U	1 U	0.2 J [1 U]	1 U	0.28 J	0.36 J	0.17 J	0.18 J	1 U	0.26 J
n-Heptane	0.11 J	0.27 J	1.1	0.73 [0.6]	0.68	1.1	1	0.97	0.75	0.11 J	0.9
n-Hexane	0.22 J	0.85	0.86	0.79 [0.65]	0.97	1.3	1.7	4.5	2.1	0.25 J	0.66
n-Octane	0.4 U	0.094 J	0.42	0.27 J [0.26 J]	0.35 J	0.49	0.56	0.33 J	0.3 J	0.062 J	0.42
Nonane	0.5 U	0.072 J	0.33 J	0.52 [0.37 J]	0.77	0.71	0.86	0.78	0.69	0.5 U	0.86
n-Undecane	1 U	0.059 J	1 U	1.5 [0.22 J]	0.81 J	1	1.5	1.6	1.6	1 U	1.9
o-Xylene	0.35	0.91	2.4	2.4 [1.9]	2.7	3.6	4.8	3.1	2.6	0.088 J	4.3
Pentane	0.54 J	3.2	5.5	1 U [1 U]	1 U	8.2	11	12	4.6	0.49 J	1 U
Styrene	0.2 U	0.2 U	0.27	0.18 J [0.13 J]	0.28	0.39	0.61	0.28	0.23	0.2 U	0.24

See Notes on Page 2.

Table 11. Summary of Soil Gas Analytical Results for TO-15 VOCs (ppb(v/v)), Consolidated Edison, West 18th Street, New York, New York

Sample ID: / Date Collected:	DEA-AA01 04/20/07	DEA-AA02 04/20/07	DEA-SG-01 04/20/07	DEA-SG-02 04/20/07	DEA-SG-03 04/20/07	DEA-SG-04 04/20/07	DEA-SG-05 04/20/07	DEA-SG-06 04/20/07	DEA-SG-07 04/20/07	DEA-SG-08 04/20/07	DEA-SG-09 04/20/07
TO-15 (ppb) (Continued)											
Tetrachloroethene	0.037 J	0.038 J	0.22	0.11 J [0.12 J]	0.14 J	0.25	0.28	0.13 J	0.16 J	0.034 J	0.16 J
Toluene	1	2.5	17	11 J [15 J]	13	20	21	20	13	0.81	17
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U [0.2 U]	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	0.2 U	0.2 U	0.033 J [0.2 U]	0.2 U	0.2 U	0.033 J	0.2 U	0.2 U	0.2 U	0.2 U
Trichlorofluoromethane	0.24	0.26	0.083 J	0.11 J [0.082 J]	0.22	0.26	0.083 J	0.054 J	0.12 J	0.24	0.057 J
Vinyl Chloride	0.2 U	0.2 U	0.068 J	0.063 J [0.2 U]	0.052 J	0.066 J	0.2 U	0.089 J	0.2 U	0.2 U	0.2 U
TO-15(TIC)											
1,2,3-Trimethylbenzene	U	U	U	U [U]	U	U	U	U	U	U	U
2,2,4-Trimethylpentane	U	U	U	U [U]	U	U	U	U	U	U	U
2,3-Dimethylpentane	U	U	4.7 JN	U [U]	U	U	U	U	U	U	U
2-Methylpentane	U	U	7.1 JN	U [U]	U	NA	4.6 JN	7.9 JN	4 JN	U	U
Indane	U	U	U	U [U]	U	U	U	U	U	U	U
Indene	U	U	U	U [U]	U	U	U	U	U	U	U
Isopentane	U	11 JN	17 JN	U [U]	U	5.1 JN	7.8 JN	13 JN	5 JN	U	U
Thiopene	U	U	U	U [U]	U	U	U	U	U	U	U

Notes:

1. Samples were collected by ARCADIS on April 20, 2007.
2. Laboratory analysis of the April 2007 soil gas samples were performed by TestAmerica located in Knoxville, Tennessee for all analytes using USEPA Compendium Method TO-15.
3. Concentrations reported in vapor parts per billion (ppb (v/v)).
4. Field duplicate sample results are presented in brackets.
5. Data qualifiers are defined as follows:

   J = Data indicates an estimated value.

   JN = The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.

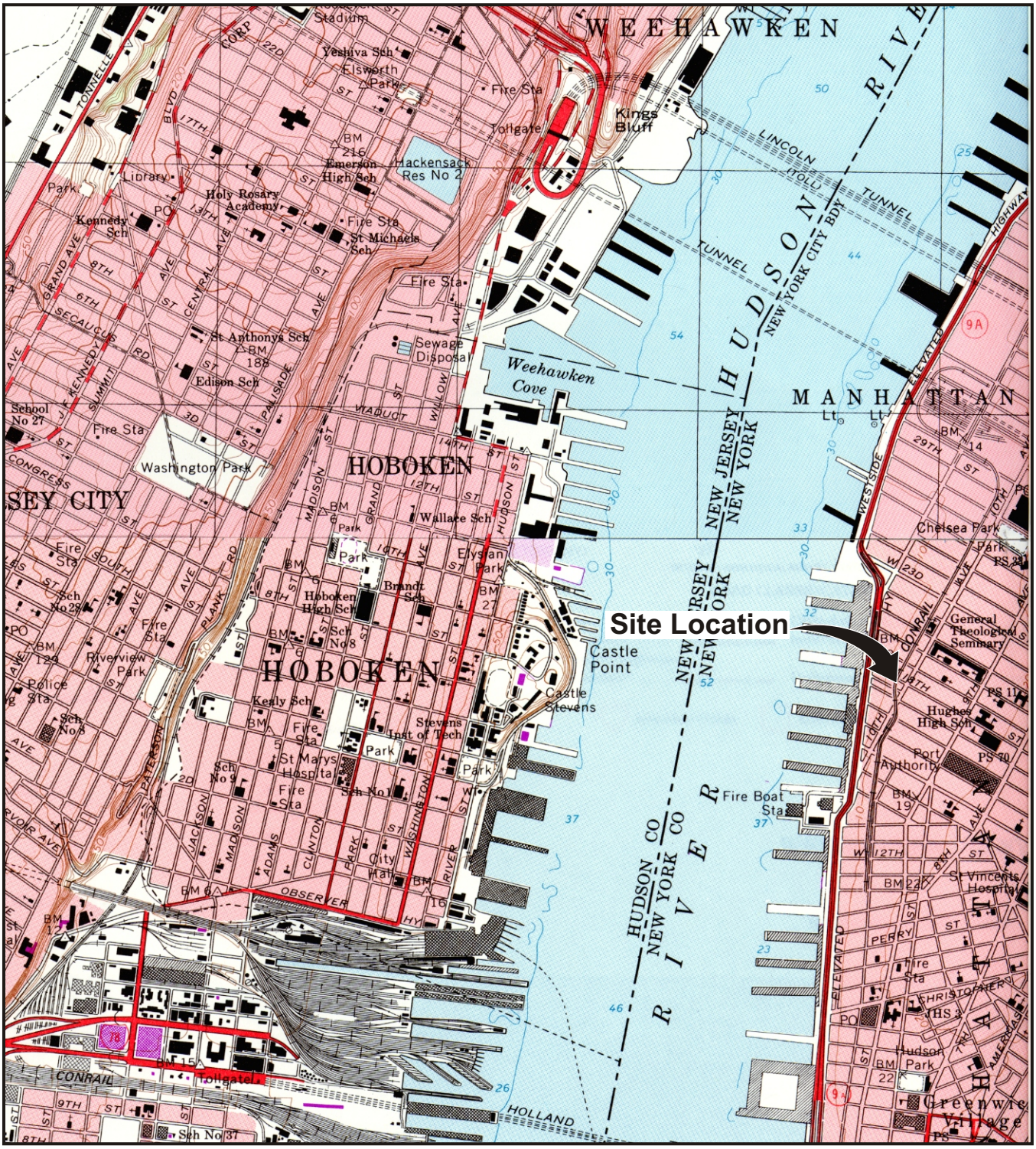
   U = The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

Table 12: Weather Readings Recorded at Block 689, Lot 17 Parking Lot Located at W.18th Street on 4/20/2007

Time	Temperature. (F°)	Barometric pressure (in.)	Relative Humidity (%)	Wind Direction	Wind Speed (mph)
9:00	53.3	30.1	32	South West	0.1
9:30	54.9	30.1	27	South West	1
10:00	60.4	30.1	15	South West	2
10:30	61.8	30.1	15	South West	1
11:00	63.5	30.1	15	South West	2
11:30	65.6	30.09	13	South West	2
12:00	68.3	30.08	12	South West	2
12:30	71.9	30.08	11	South West	4
13:00	70.7	30.08	11	South West	6

ARCADIS

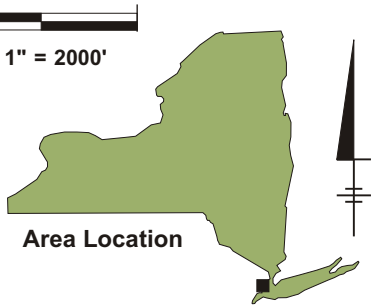
Figures



REFERENCE: BASE MAP USGS 7.5 MIN. QUADS., JERSEY CITY, AND WEEHAWKEN, NJ - NY, 1967.

2000' 0 2000'

Approximate Scale: 1" = 2000'



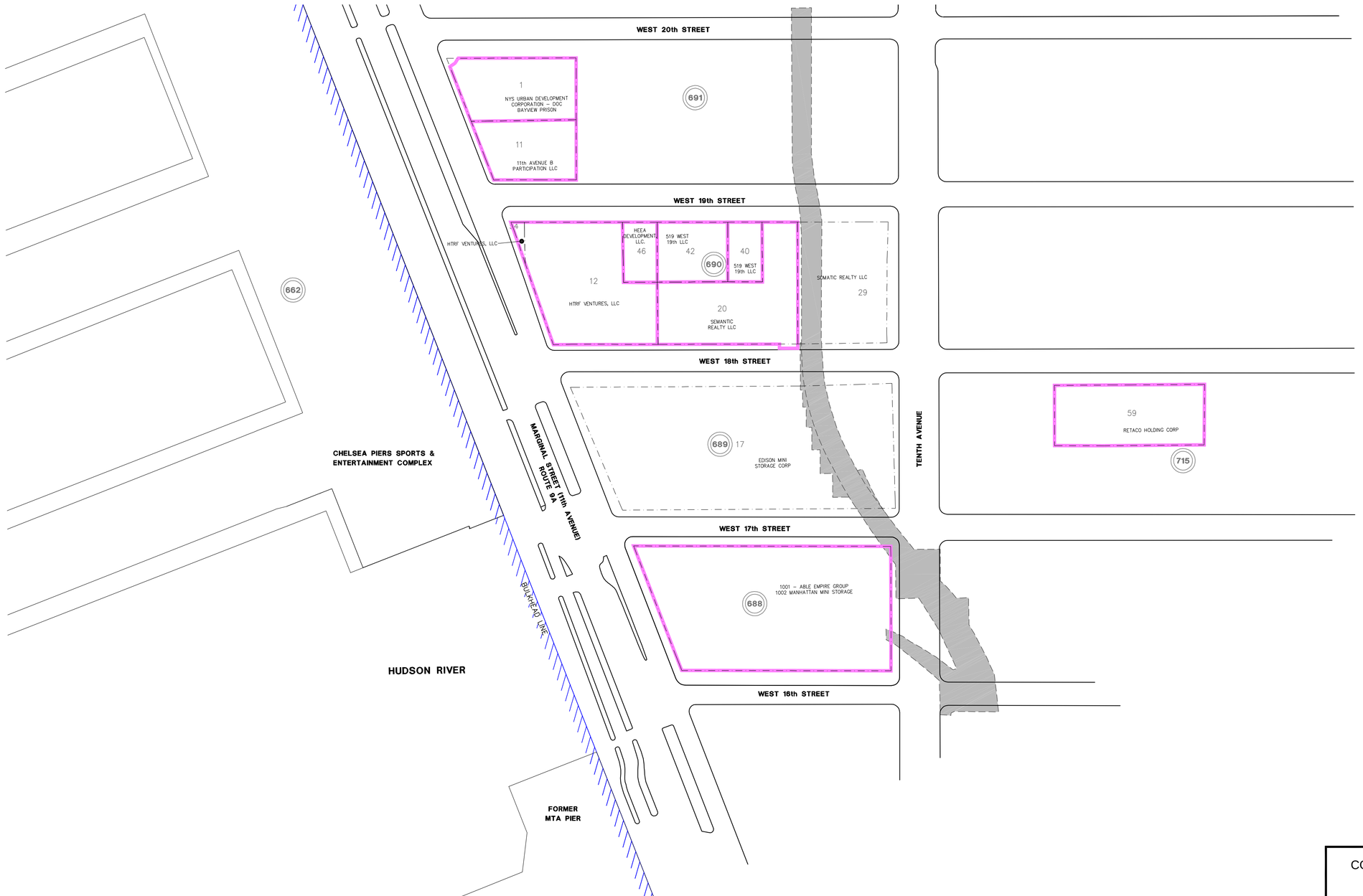
CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
WEST 18TH STREET FORMER GAS WORKS
MANHATTAN, NEW YORK
REMEDIAL INVESTIGATION REPORT

SITE LOCATION MAP

ARCADIS

FIGURE
1-1

12/24/09 SYRACUSE, NY-ENV/CAD-DJHOWES
B0043011/0001/00004/CDR/43011n02.CDR



LEGEND:

- LOT BOUNDARY
- 691 BLOCK ID
- 43 LOT ID
- BULKHEAD
- HIGH LINE
- CURRENT BUILDING FOOTPRINT

NOTE:

1. BLOCK AND LOT ID INFORMATION WAS OBTAINED FROM NEW YORK CITY DEPARTMENT OF FINANCE AUTOMATED CITY REGISTER INFORMATION SYSTEM (ACRIS).
2. SURVEY CONTROL WAS TAKEN FROM SITE WIDE BASE SURVEY PREPARED BY MUNOZ ENGINEERING, P.C. DATED APRIL 2007.
3. CURBING AND STREET BOUNDARIES TAKEN FROM MUNOZ ENGINEERING DRAWING ENTITLED MONITORING WELLS AND BORINGS LOCATION SURVEY" DATED 11/24/2008 AND TRC DRAWING ENTITLED PROPOSED REMEDIAL INVESTIGATION SAMPLE LOCATIONS" DATE UNKNOWN.
4. PROPERTY OWNERSHIP RECORDS OBTAINED FROM THE CITY OF NEW YORK DEPARTMENT OF FINANCE ACRIS DATABASE.
5. BUILDING LOCATIONS ARE APPROXIMATE.
6. PROPERTY BOUNDARIES FOR LOT 662 NOT SHOWN.

0 80' 160'
GRAPHIC SCALE

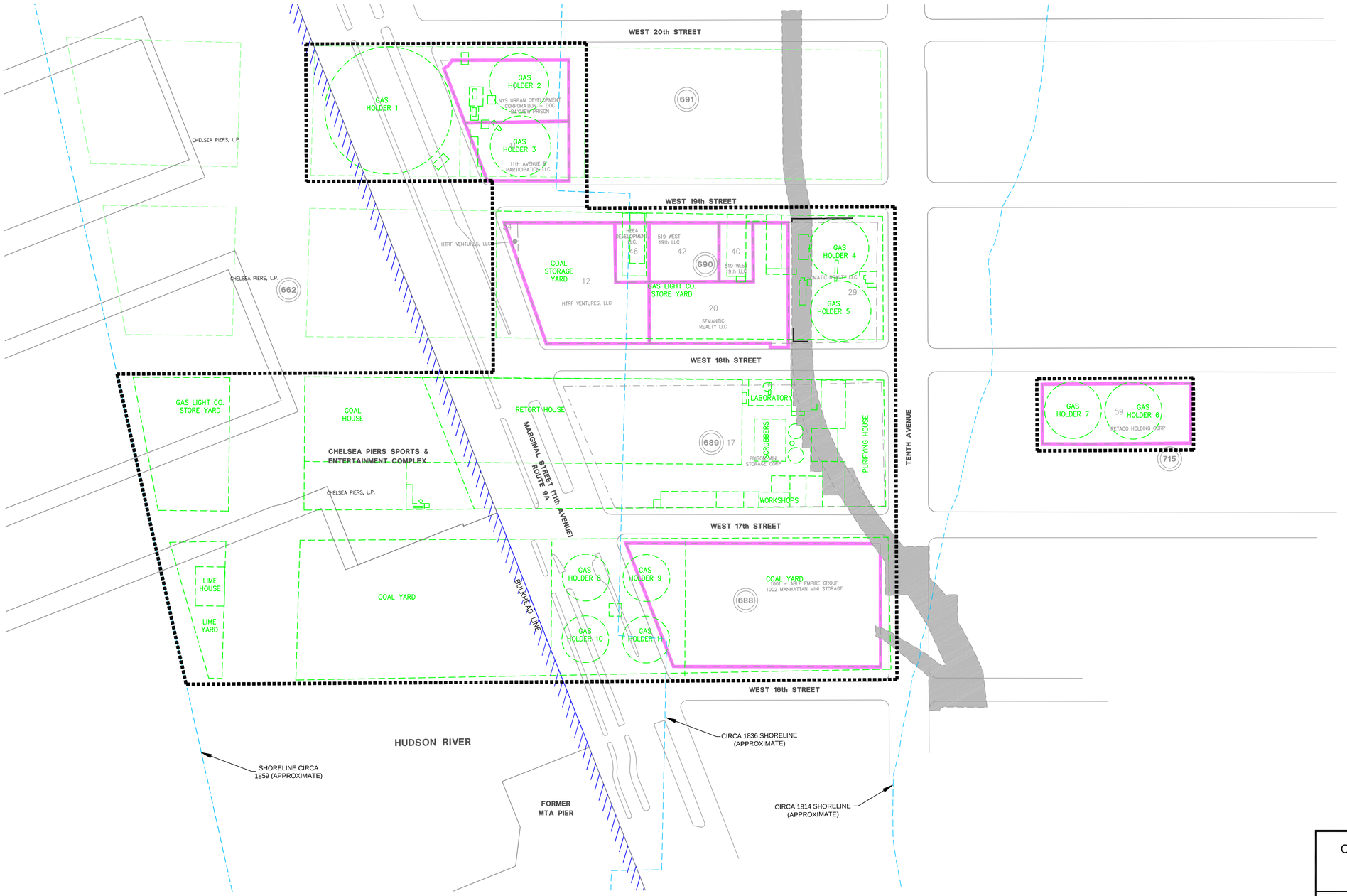
CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
WEST 18TH STREET FORMER GAS WORKS
REMEDIAL INVESTIGATION REPORT

CURRENT SITE LAYOUT

ARCADIS

FIGURE
2

CITY:Syracuse DIV/GROUP:Env-141 DB:A.Schilling LD:A.Schilling PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\SYRACUSE\ACTIB\00430111\000100004\DWG\RI\43011B02.DWG LAYOUT: 2SAVED: 12/23/2009 1:32 PM ACADVER: 17.0S (LMS TECH) PAGESETUP: ----PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 12/23/2009 2:58 PM BY: SCHILLING, ADAM
XREFS: IMAGES: PROJECTNAME: ----
43011X00
43011X03
43011X04
43011X05
43011X07
43011X06



LEGEND:

- LOT BOUNDARY
- HISTORICAL FEATURE
- BLOCK ID (691)
- LOT ID (43)
- LIMITS OF FORMER GAS WORKS
- BUILKHEAD
- HIGH LINE
- CURRENT BUILDING FOOTPRINT

NOTE:

1. BLOCK AND LOT ID AND PROPERTY LINE INFORMATION WAS OBTAINED FROM NEW YORK CITY DEPARTMENT OF FINANCE AUTOMATED CITY REGISTER INFORMATION SYSTEM (ACRIS).
2. SURVEY CONTROL WAS TAKEN FROM SITE WIDE BASE SURVEY PREPARED BY MUNOZ ENGINEERING, P.C. DATED APRIL 2007.
3. CURBING AND STREET BOUNDARIES TAKEN FROM MUNOZ ENGINEERING DRAWING ENTITLED MONITORING WELLS AND BORINGS LOCATION SURVEY" DATED 11/24/2008 AND TRC DRAWING ENTITLED PROPOSED REMEDIAL INVESTIGATION SAMPLE LOCATIONS" DATE UNKNOWN.
4. PROPERTY OWNERSHIP RECORDS OBTAINED FROM THE CITY OF NEW YORK DEPARTMENT OF FINANCE ACRIS DATABASE.
5. BUILDING LOCATIONS ARE APPROXIMATE.
6. HISTORICAL SHORELINES DIGITIZED FROM W BRIDGES, 1814, COLTON, 1836, AND PERRIS, 1859.
7. FORMER MANUFACTURED GAS PLANT (MGP) STRUCTURES ARE FROM THE CONSOLIDATED GAS COMPANY PLANT, AS SHOWN ON SANBORN MAPPING DATED 1895.

0 80' 160'
GRAPHIC SCALE

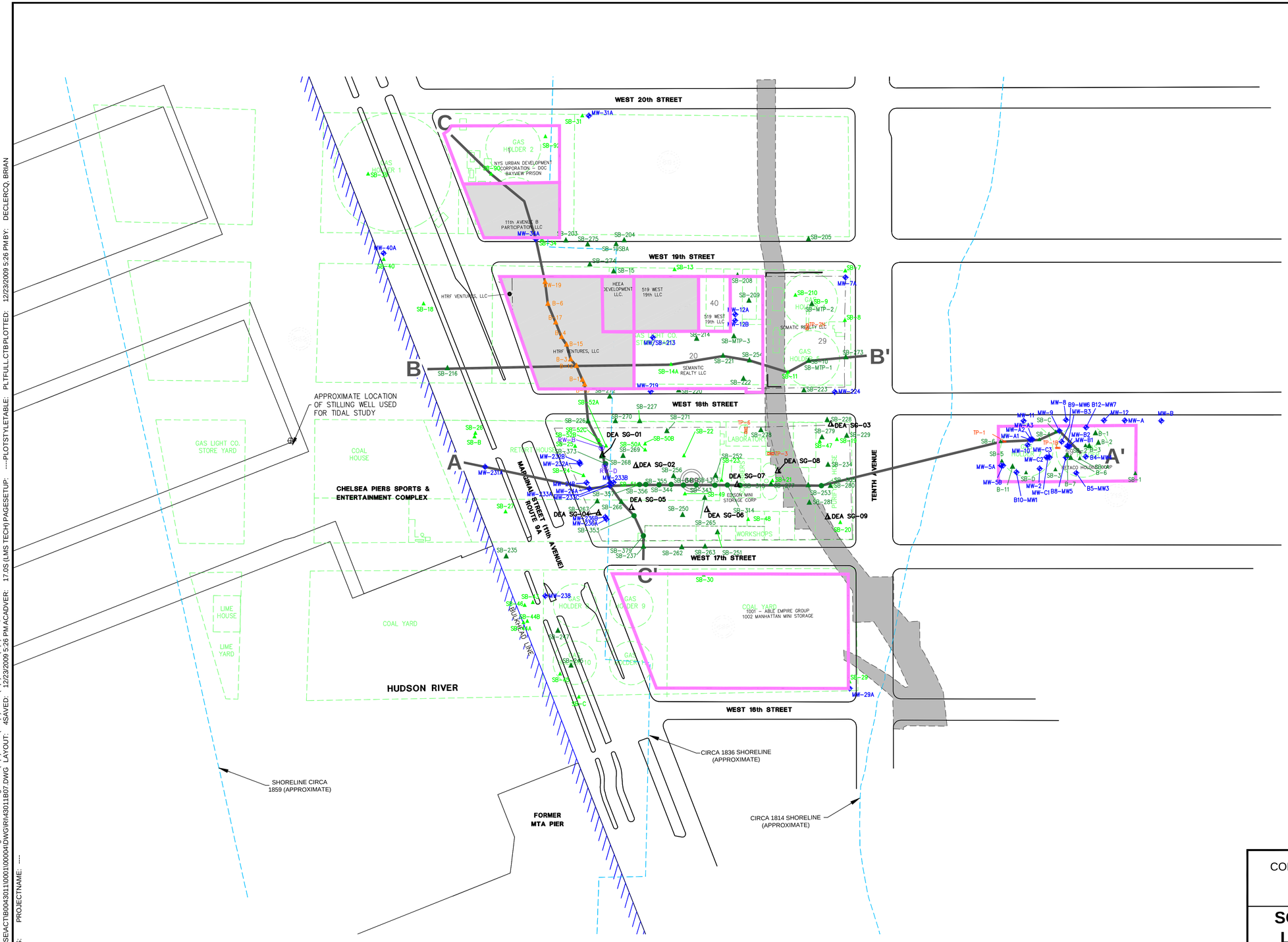
CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
WEST 18TH STREET FORMER GAS WORKS
REMEDIAL INVESTIGATION REPORT

HISTORICAL SITE FEATURES

ARCADIS

FIGURE 3

CITY:Syracuse DIV/GROUP:Env-141 DB:A.Schilling LD:A.Schilling PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
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XREFS: IMAGES: PROJECTNAME: ----
43011X00
43011X03
43011X05
43011X07
43011X06
43011X04



LEGEND:

- MONITORING WELL LOCATION
- SOIL BORING LOCATION
- PRE-DESIGN NAPL DELINEATION SOIL BORING LOCATION
- RECOVERY WELL LOCATION
- BORING LOCATION (BBL)
- TEST PIT LOCATION
- APROXIMATE SOIL GAS SAMPLE LOCATION
- LOT BOUNDARY
- 691 BLOCK ID
- 43 LOT ID
- BULKHEAD
- HIGH LINE
- REMEDIATED PROPERTY
- A—A' CROSS SECTION TRANSECT LOCATION

NOTE:

1. BLOCK AND LOT ID AND PROPERTY LINE INFORMATION WAS OBTAINED FROM NEW YORK CITY DEPARTMENT OF FINANCE AUTOMATED CITY REGISTER INFORMATION SYSTEM (ACRIS).
2. SURVEY CONTROL WAS TAKEN FROM SITE WIDE BASE SURVEY PREPARED BY MUNOZ ENGINEERING, P.C. DATED APRIL 2007.
3. CURBING AND STREET BOUNDARIES TAKEN FROM MUNOZ ENGINEERING DRAWING ENTITLED MONITORING WELLS AND BORINGS LOCATION SURVEY" DATED 11/24/2008 AND TRC DRAWING ENTITLED PROPOSED REMEDIAL INVESTIGATION SAMPLE LOCATIONS" DATE UNKNOWN.
4. ALL LOCATIONS ARE APPROXIMATE.
5. HISTORICAL SHORELINES DIGITIZED FROM W BRIDGES, 1814, COLTON, 1836, AND PERRIS, 1859.
6. FORMER MANUFACTURED GAS PLANT (MGP) STRUCTURES ARE FROM THE CONSOLIDATED GAS COMPANY PLANT, AS SHOWN ON SANBORN MAPPING DATED 1895.
7. BORINGS WERE COMPLETED BY BBL DURING THE PRELIMINARY SITE INVESTIGATION (2002) AND PHASE II SITE INVESTIGATION (2003).

0 80' 160'
GRAPHIC SCALE

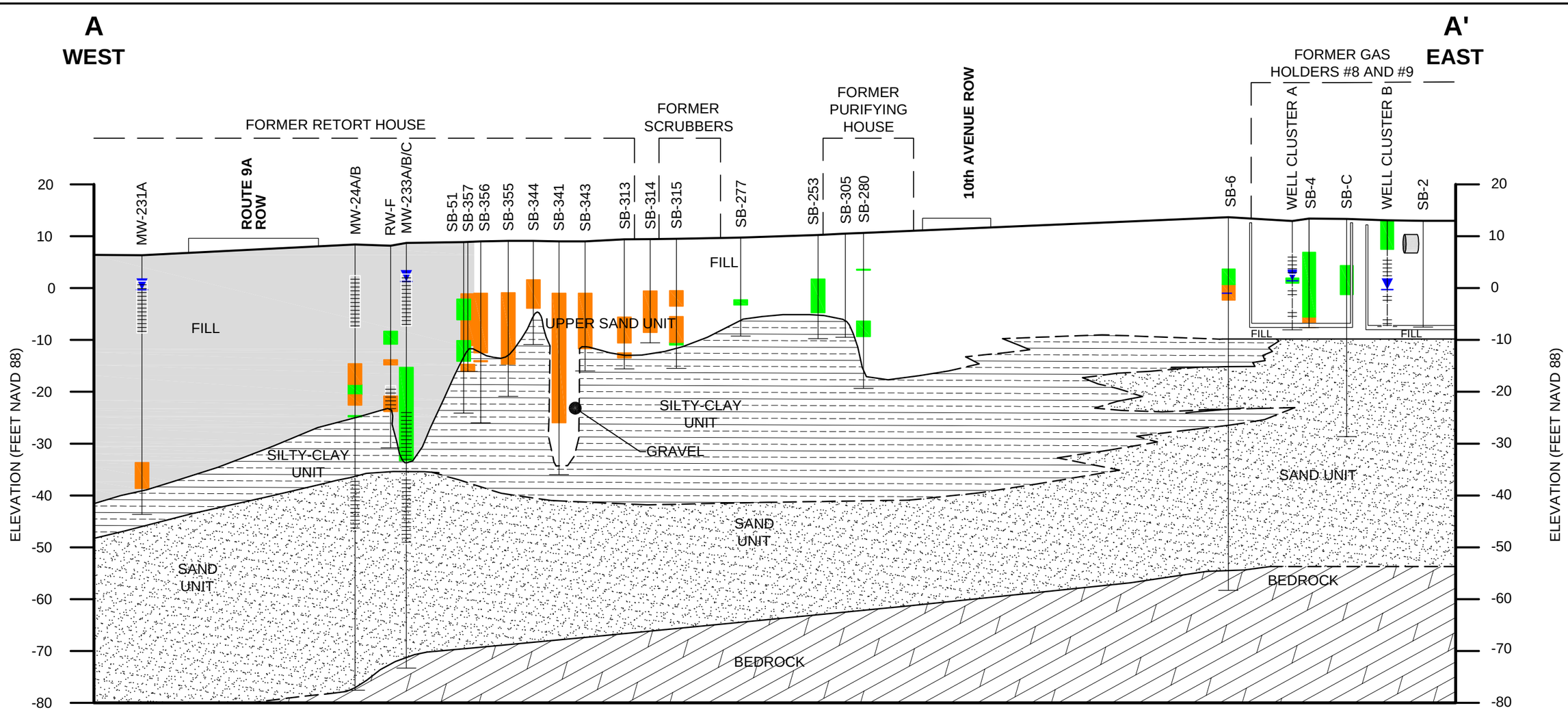
CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
WEST 18TH STREET FORMER GAS WORKS
REMEDIAL INVESTIGATION REPORT

SOIL AND GROUNDWATER SAMPLE LOCATIONS AND CROSS SECTION TRANSECTS

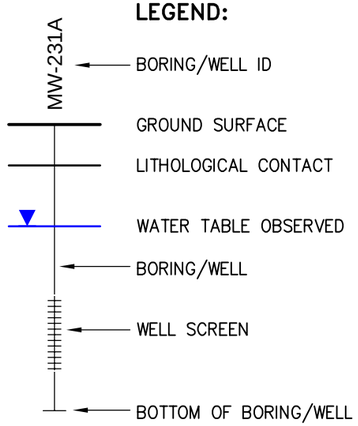
ARCADIS

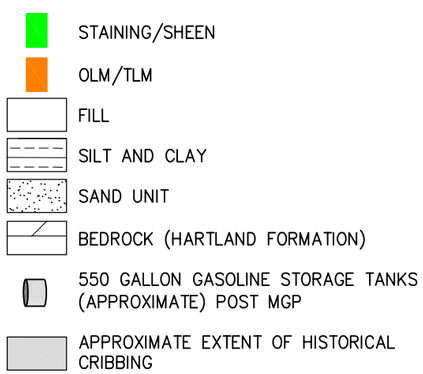
FIGURE 4

CITY:Syracuse DIV/GROUP:Env-141 DB:A.Schilling LD:A.Schilling PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\SYRACUSE\ACTIB\043011\000010000\4\DWG\R\043011B07.DWG LAYOUT: 4SAVED: 12/23/2009 5:26 PM BY: DECLERCQ, BRIAN
PLTSTYLETABLE: PLTFULL.CTB PLOTTED: 12/23/2009 5:26 PM BY: DECLERCQ, BRIAN
XREFS: IMAGES: PROJECTNAME: ----
43011X00
43011X03
43011X04
43011X05
43011X07



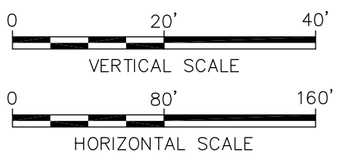
LEGEND:





NOTES:

1. ELEVATIONS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
2. HORIZONTAL LOCATION OF HOLDER WALLS BASED ON HISTORIC MAPS AND VISUAL OBSERVATIONS DURING TEST PITTING ON BLOCK 715, LOT 46. DEPTH TO HOLDER FLOORS ESTIMATED BASED ON DRILLING OBSERVATIONS.
3. WATER LEVELS SHOWN REFLECT THE UPPER MOST AQUIFER.
4. SB–6 OLM PETROLEUM.



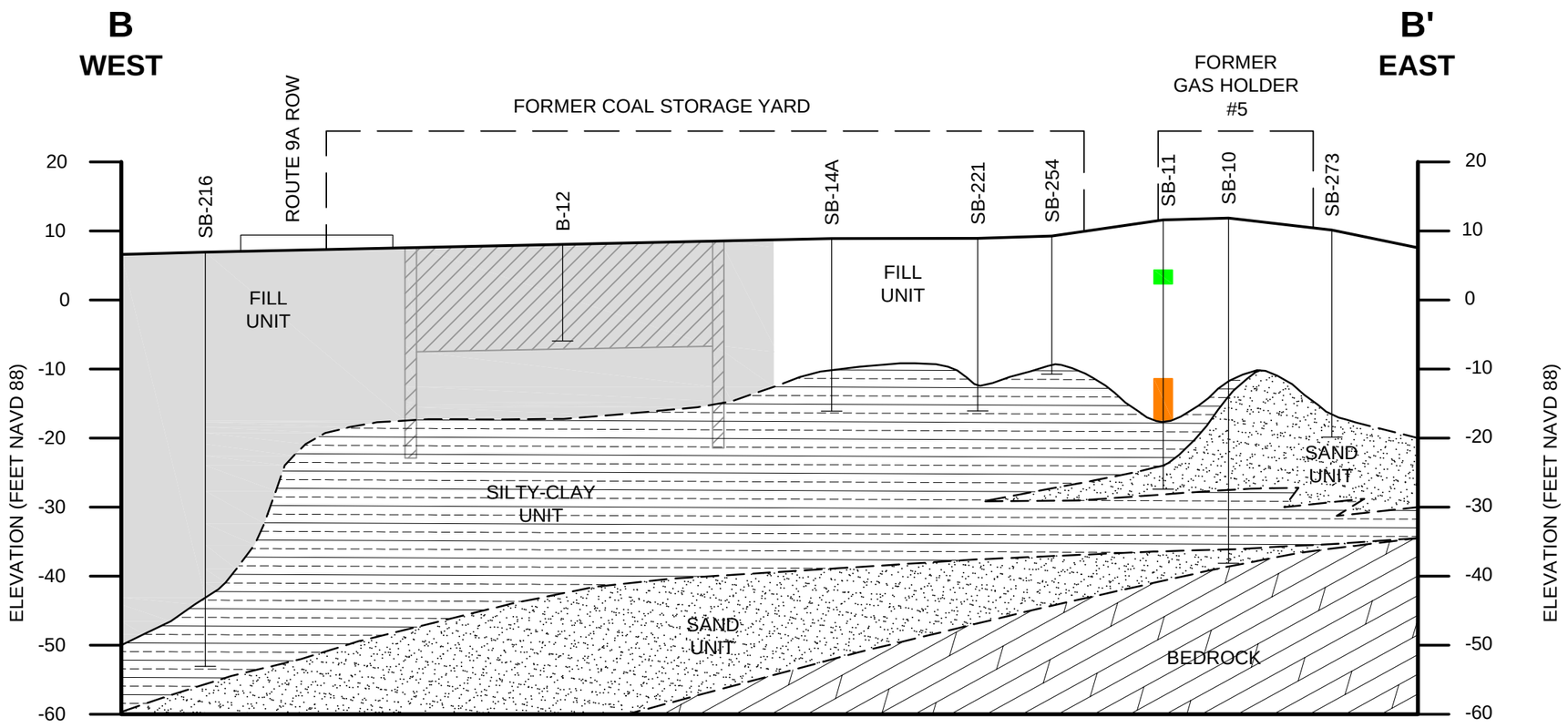
CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
WEST 18TH STREET FORMER GAS WORKS
REMEDIAL INVESTIGATION REPORT

CROSS SECTION A - A'

ARCADIS

FIGURE
5-A

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
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XREFS: IMAGES: PROJECTNAME: ---
43011X03 0094_001.jpg
43011X07 0094_003.jpg
43011X06 2924_001.jpg
clay surface detail markup.jpg



LEGEND:

SB-216 — BORING

GROUND SURFACE

LITHOLOGICAL CONTACT

BOTTOM OF BORING

STAINING/SHEEN

OLM/TLM

FILL

SILT AND CLAY

SAND UNIT

BEDROCK (HARTLAND FORMATION)

AREA REMEDIATED BY EXCAVATION AND/OR BARRIER WALL

APPROXIMATE EXTENT OF HISTORICAL CRIBBING

NOTES:

1. ELEVATIONS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
2. HORIZONTAL LOCATION OF HOLDER WALLS BASED ON HISTORIC MAPS.
3. EXCAVATION DEPTH AND BARRIER WALLS AT BLOCK 690, LOT 12 FROM THE REMEDIAL ENGINEER'S FINAL ENGINEERING REPORT, WEST 19th STREET DEVELOPMENT SITE, NEW YORK, NEW YORK, 2006.

0 20' 40'
VERTICAL SCALE

0 80' 160'
HORIZONTAL SCALE

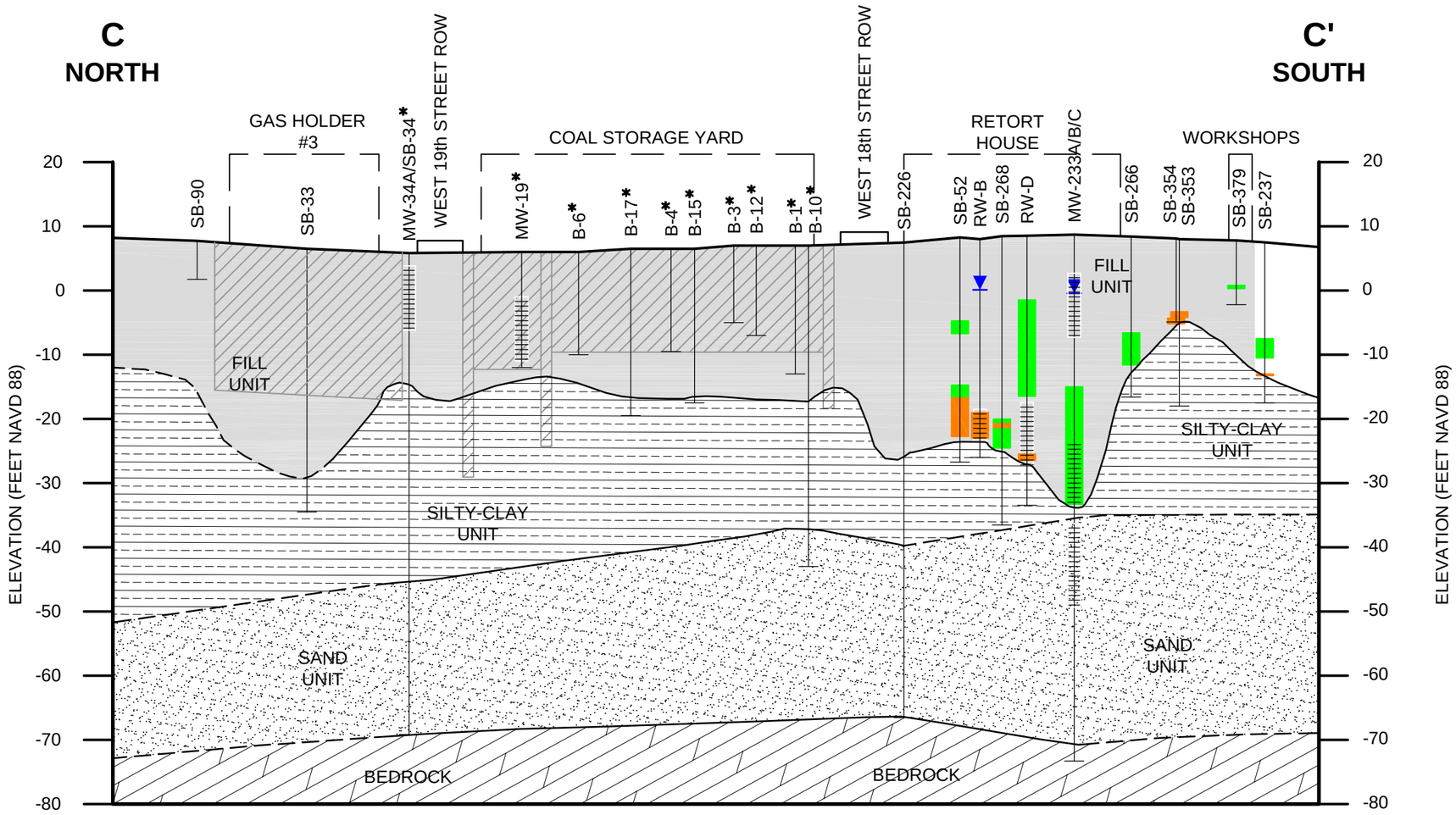
CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
WEST 18TH STREET FORMER GAS WORKS
REMEDIAL INVESTIGATION REPORT

CROSS SECTION B - B'

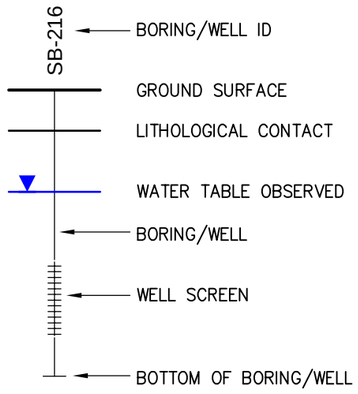
ARCADIS

FIGURE
5-B

CITY:Syracuse DIV/GROUP:Env-141 DB:A.Schilling LD:A.Schilling PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
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XREFS: IMAGES: PROJECTNAME: ---
43011X03
43011X07
43011X06



LEGEND:



- STAINING/SHEEN
- OLM/TLM
- FILL
- SILT AND CLAY
- SAND UNIT
- BEDROCK (HARTLAND FORMATION)
- AREA REMEDIATED BY EXCAVATION AND/OR BARRIER WALLS
- APPROXIMATE EXTENT OF HISTORICAL CRIBBING
- * INDICATES WELL/BORING HAS BEEN DESTROYED

NOTES:

1. ELEVATIONS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
2. HORIZONTAL LOCATION OF HOLDER WALLS BASED ON HISTORIC MAPS. DEPTH TO HOLDER FLOORS ESTIMATED BASED ON DRILLING OBSERVATIONS.
3. WATER LEVELS SHOWN REFLECT THE UPPER MOST AQUIFER DATA.
4. EXCAVATION DEPTH AND BARRIER WALLS AT BLOCK 690, LOT 12 FROM THE REMEDIAL ENGINEER'S FINAL ENGINEERING REPORT, WEST 19th STREET DEVELOPMENT SITE, NEW YORK, NEW YORK, 2006.

0 20' 40'
VERTICAL SCALE

0 80' 160'
HORIZONTAL SCALE

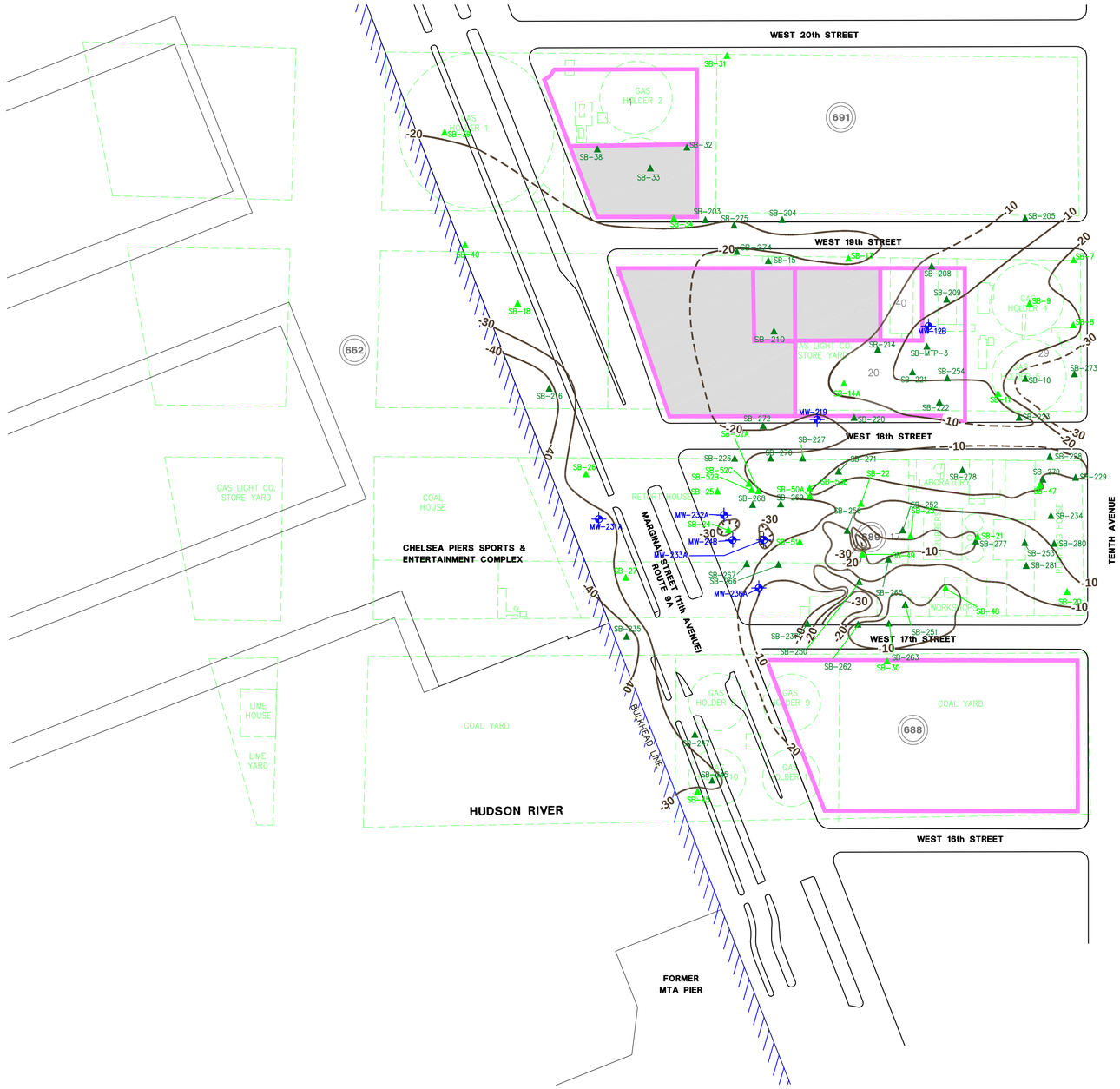
CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
WEST 18TH STREET FORMER GAS WORKS
REMEDIAL INVESTIGATION REPORT

CROSS SECTION C - C'

ARCADIS

FIGURE
5-C

CITY:Syracuse DIV/GROUP:Env-141 DB:A.Schilling LD:A.Schilling PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\SYRACUSE\ACTIB\00430111\0001\00004\DWG\R143011V03.DWG LAYOUT: 5-C SAVED: 12/18/2009 10:45 AM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 12/23/2009 2:00 PM BY: SCHILLING, ADAM
XREFS: IMAGES: PROJECTNAME: ----
43011X03 0094_001.jpg
43011X07 0094_003.jpg
43011X06 2824_001.jpg
clay surface detail markup.jpg



LEGEND:

- MONITORING WELL LOCATION
- SOIL BORING LOCATION
- LOT BOUNDARY
- 691 — BLOCK ID
- 43 — LOT ID
- BULKHEAD
- HIGH LINE
- REMEDIATED AREA – CLAY SURFACE BOUND BY BARRIER WALL
- CURRENT BUILDING FOOTPRINT
- -30 — TOP OF CLAY ELEVATION CONTOUR IN FEET (DASHED WHERE INFERRED)
- CLOSED DEPRESSION

NOTE:

1. BLOCK AND LOT ID INFORMATION WAS OBTAINED FROM NEW YORK CITY DEPARTMENT OF FINANCE AUTOMATED CITY REGISTER INFORMATION SYSTEM (ACRIS).
2. SURVEY CONTROL WAS TAKEN FROM SITE WIDE BASE SURVEY PREPARED BY MUNOZ ENGINEERING, P.C. DATED APRIL 2007.
3. CURBING AND STREET BOUNDARIES TAKEN FROM MUNOZ ENGINEERING DRAWING ENTITLED MONITORING WELLS AND BORINGS LOCATION SURVEY" DATED 11/24/2008 AND TRC DRAWING ENTITLED PROPOSED REMEDIAL INVESTIGATION SAMPLE LOCATIONS" DATE UNKNOWN.
4. PROPERTY OWNERSHIP RECORDS OBTAINED FROM THE CITY OF NEW YORK DEPARTMENT OF FINANCE ACRIS DATABASE.
5. BUILDING LOCATIONS ARE APPROXIMATE.
6. FORMER MANUFACTURED GAS PLANT (MGP) STRUCTURES ARE FROM THE CONSOLIDATED GAS COMPANY PLANT, AS SHOWN ON SANBORN MAPPING DATES 1895.
7. PROPERTY BOUNDARIES FOR LOT 662 NOT SHOWN.
8. ELEVATIONS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM (NAVD)OF 1988.
9. A SUMMARY TABLE OF CLAY SURFACE ELEVATIONS USED TO PREPARE THIS FIGURE CAN BE FOUND IN APPENDIX.
10. ONLY BORING LOCATIONS WITH CLAY SURFACE DATA USED TO PREPARE THIS CLAY SURFACE FIGURE ARE SHOWN.
11. ONLY REMEDIAL DESIGN BORINGS USED TO SUPPORT THE DEVELOPMENT OF CLAY SURFACE ARE PRESENTED ON THIS FIGURE.

0 80' 160'
GRAPHIC SCALE

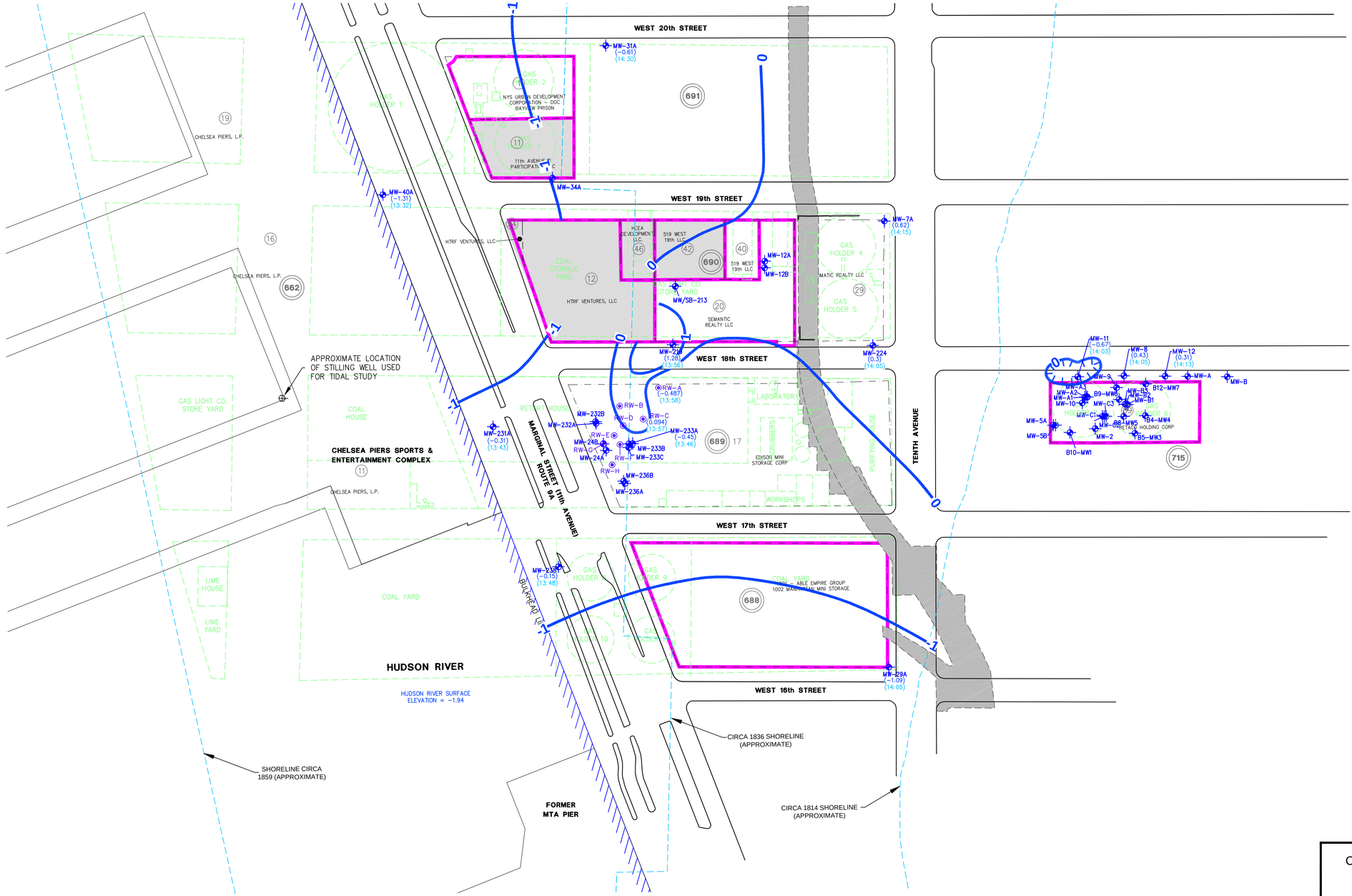
CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
WEST 18TH STREET FORMER GAS WORKS
REMEDIAL INVESTIGATION REPORT

TOP OF CLAY ELEVATION CONTOUR MAP

ARCADIS

FIGURE 6

CITY:Syracuse DIV/GROUP:Env-141 DB:A.Schilling LD:A.Schilling PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
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XREFS: IMAGES: PROJECTNAME: ----
430111X00
430111X03
430111X04
430111X05
430111X07
430111X06



LEGEND:

- MONITORING WELL LOCATION
- RECOVERY WELL LOCATION
- LOT BOUNDARY
- 691 — BLOCK ID
- 43 — LOT ID
- BULKHEAD
- HIGH LINE
- REMEDIATED PROPERTY
- CURRENT BUILDING FOOTPRINT
- (0.43) — GROUNDWATER ELEVATION
- (14:05) — TIME GROUNDWATER ELEVATION WAS MEASURED
- 0 — GROUNDWATER CONTOUR (DASHED WHERE INFERRED)
- CLOSED DEPRESSION

NOTE:

1. BLOCK AND LOT ID AND PROPERTY LINE FROM NEW YORK CITY DEPARTMENT OF FINANCE AUTOMATED CITY REGISTER INFORMATION SYSTEM (ACRIS).
2. SURVEY CONTROL WAS TAKEN FROM SITE WIDE BASE SURVEY PREPARED BY MUNOZ ENGINEERING, P.C. DATED APRIL 2007.
3. CURBING AND STREET BOUNDARIES TAKEN FROM MUNOZ ENGINEERING DRAWING ENTITLED MONITORING WELLS AND BORINGS LOCATION SURVEY" DATED 11/24/2008 AND TRC DRAWING ENTITLED PROPOSED REMEDIAL INVESTIGATION SAMPLE LOCATIONS" DATE UNKNOWN..
4. PROPERTY OWNERSHIP RECORDS OBTAINED FROM THE CITY OF NEW YORK DEPARTMENT OF FINANCE ACRIS DATABASE.
5. BUILDING LOCATIONS ARE APPROXIMATE.
6. HISTORICAL SHORELINES DIGITIZED FROM W BRIDGES, 1814 AND COLTON, 1836.
7. FORMER MANUFACTURED GAS PLANT (MGP) STRUCTURES ARE FROM THE CONSOLIDATED GAS COMPANY PLANT, AS SHOWN ON SANBORN MAPPING DATED 1895.
8. PROPERTY BOUNDARIES FOR LOT 662 NOT SHOWN.
9. ELEVATIONS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.
10. GROUNDWATER ELEVATIONS SHOWN ON THIS FIGURE ARE WITHIN 10 FEET OF THE SCREEN.
11. HUDSON RIVER SURFACE ELEVATION IS FROM A NOAA MEASUREMENT LOCATIONS AT THE BATTERY, NEW YORK CITY AT 13:48 EST ON JANUARY 21, 2009. THE ELVATION IS REFERENCED TO THE NAVD OF 1988.

0 80' 160'
GRAPHIC SCALE

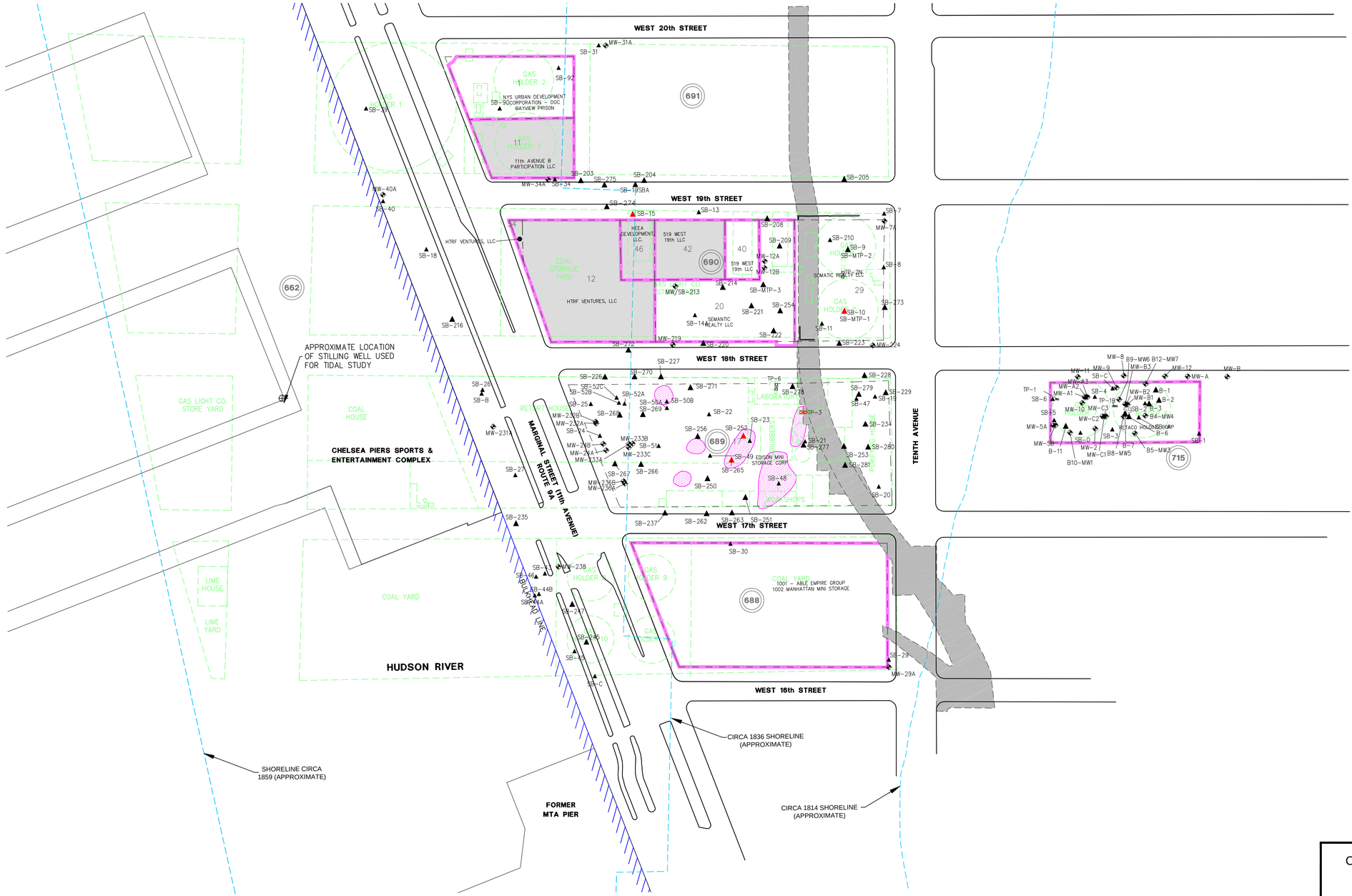
CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
WEST 18TH STREET FORMER GAS WORKS
REMEDIAL INVESTIGATION REPORT

WATER TABLE MAP FOR SHALLOW GROUNDWATER SURFACE - JANUARY 21, 2009

ARCADIS

FIGURE 7

CITY:Syracuse DIV/GROUP:Env-141 DB:A.Schilling LD:A.Schilling PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(On)ON=*OFF=*REF*
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XREFS: IMAGES: PROJECTNAME: ----
43011X00
43011X03
43011X04
43011X05
43011X07



LEGEND:

- MONITORING WELL LOCATION
- SOIL BORING LOCATION
- TEST PIT LOCATION
- INDICATES NAPL WAS OBSERVED DURING SOIL BORING ACTIVITIES
- LOT BOUNDARY
- BLOCK ID
- LOT ID
- BULKHEAD
- HIGH LINE
- REMEDIATED PROPERTY
- CURRENT BUILDING FOOTPRINT
- SHADED AREA REPRESENTS NAPL IMPACTS BASED ON THE HIGH DENSITY BORINGS WHICH WILL SUPPORT THE REMEDIAL DESIGN FOR BLOCK 689, LOT 17

NOTE:

1. BLOCK AND LOT ID AND PROPERTY LINE FROM NEW YORK CITY DEPARTMENT OF FINANCE AUTOMATED CITY REGISTER INFORMATION SYSTEM (ACRIS).
2. SURVEY CONTROL WAS TAKEN FROM SITE WIDE BASE SURVEY PREPARED BY MUNOZ ENGINEERING, P.C. DATED APRIL 2007.
3. CURBING AND STREET BOUNDARIES TAKEN FROM MUNOZ ENGINEERING DRAWING ENTITLED MONITORING WELLS AND BORINGS LOCATION SURVEY" DATED 11/24/2008 AND TRC DRAWING ENTITLED PROPOSED REMEDIAL INVESTIGATION SAMPLE LOCATIONS" DATE UNKNOWN.
4. ALL LOCATIONS ARE APPROXIMATE.
5. HISTORICAL SHORELINES DIGITIZED FROM W BRIDGE, 1814 AND COLTON, 1836.
6. FORMER MANUFACTURED GAS PLANT (MGP) STRUCTURES ARE FROM THE CONSOLIDATED GAS COMPANY PLANT, AS SHOWN ON SANBORN MAPPING DATED 1895.
7. BORINGS WERE COMPLETED BY BBL DURING THE PRELIMINARY SITE INVESTIGATION (2002) AND PHASE II SITE INVESTIGATION (2003).
8. DATA FOR PREVIOUSLY REMEDIATED PROPERTIES IS NOT SHOWN.
9. EXTENT OF NAPL AS PRESENTED ON BLOCK 689, LOT 17 IS BASED ON NAPL DELINEATION BORINGS CONDUCTED AS PART OF THE ONGOING REMEDIAL DESIGN FOR THIS PROPERTY, IN CONFORMANCE WITH THE NYSDEC–APPROVED REMEDY. NAPL IMPACTS ON THE REMAINING PROPERTIES ARE SHOWN AS SINGLE BORINGS, CONSISTENT WITH THE LEVEL OF INFORMATION COLLECTED DURING THE SITE–WIDE RI.
10. DEPTH OF NAPL VARIES BASED ON BORING LOCATION AND DEPTH. REFER TO TABLE 8 FOR A SUMMARY OF OBSERVATIONS WITHIN THE SOIL BORINGS INSTALLED AS PART OF THE SITE–WIDE RI, AND APPENDIX B FOR THE SOIL BORING LOGS.
11. NAPL OBSERVATIONS INCLUDE TRACE AMOUNTS (I.E. BLEBS OR DROPLETS) TO PARTIAL OR FULLY SATURATED INTERVALS WITH THE MAJORITY OF IMPACTS BEING BLEBS.

0 80' 160'
GRAPHIC SCALE

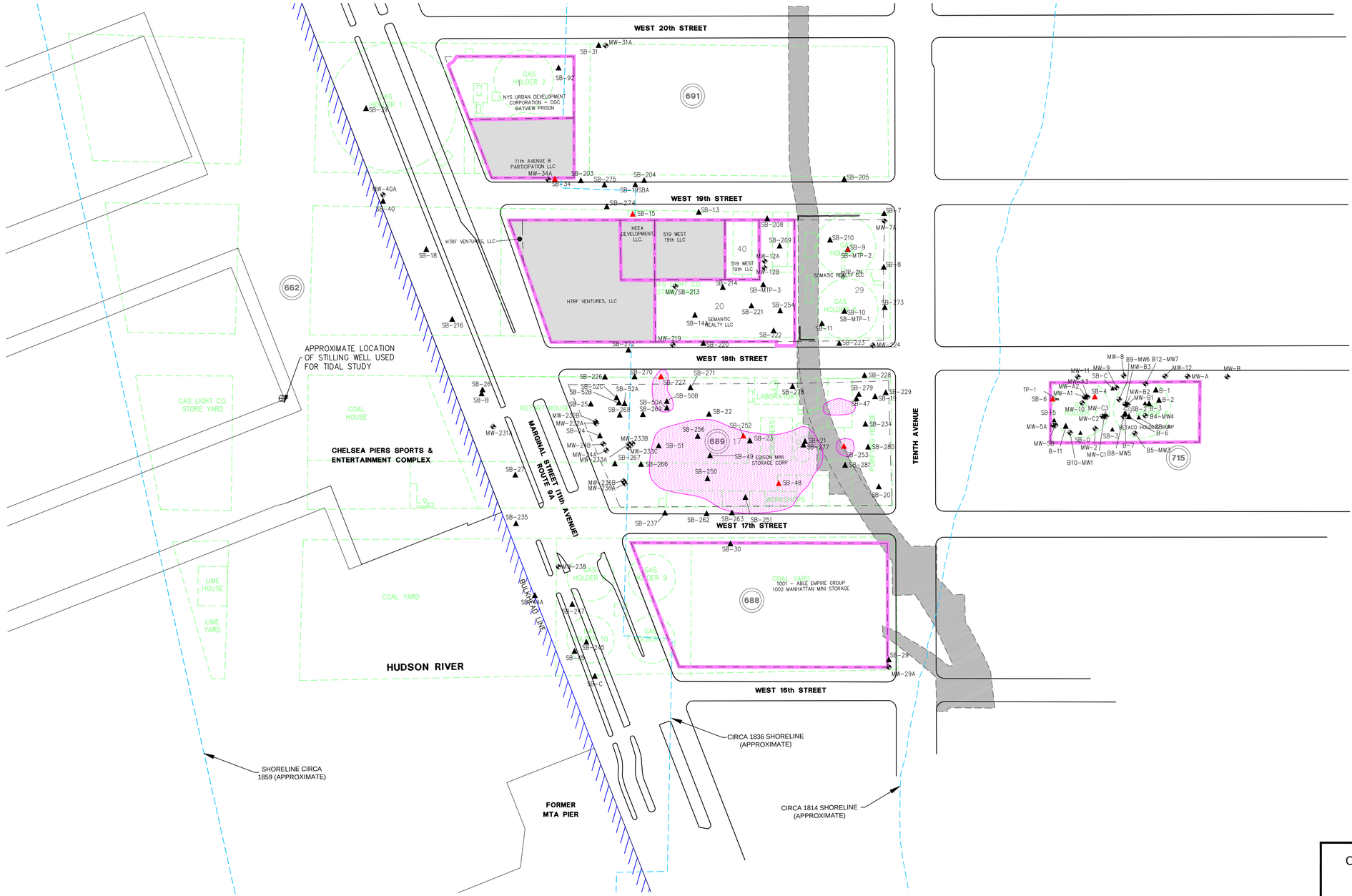
CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
WEST 18TH STREET FORMER GAS WORKS
REMEDIAL INVESTIGATION REPORT

OCCURRENCE OF NAPL IN SUBSURFACE SOILS FROM 0 TO <10 FEET bgs

ARCADIS

FIGURE
8

CITY:Syracuse DIV/GROUP:Env-141 DB:A.Schilling LD:A.Schilling PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(On)ON=*OFF=*REF*
G:\ENVCAD\SYRACUSE\ACTIVE\B0043011\0000110000\41DWG\R\43011C01.DWG LAYOUT: 8SAVED: 12/23/2009 2:42 PM ACADVER: 17.0S (LMS TECH)
XREFS: IMAGES: PROJECTNAME: ----
43011X00
43011X03
43011X04
43011X05
43011X07
43011X06



LEGEND:

- MONITORING WELL LOCATION
- SOIL BORING LOCATION
- TEST PIT LOCATION
- INDICATES NAPL WAS OBSERVED DURING SOIL BORING ACTIVITIES
- LOT BOUNDARY
- BLOCK ID (691)
- LOT ID (43)
- BULKHEAD
- HIGH LINE
- REMDEDIATED PROPERTY
- CURRENT BUILDING FOOTPRINT
- SHADED AREA REPRESENTS NAPL IMPACTS BASED ON THE HIGH DENSITY BORINGS WHICH WILL SUPPORT THE REMEDIAL DESIGN FOR BLOCK 689, LOT 17

NOTE:

1. BLOCK AND LOT ID AND PROPERTY LINE FROM NEW YORK CITY DEPARTMENT OF FINANCE AUTOMATED CITY REGISTER INFORMATION SYSTEM (ACRIS).
2. SURVEY CONTROL WAS TAKEN FROM SITE WIDE BASE SURVEY PREPARED BY MUNOZ ENGINEERING, P.C. DATED APRIL 2007.
3. CURBING AND STREET BOUNDARIES TAKEN FROM MUNOZ ENGINEERING DRAWING ENTITLED MONITORING WELLS AND BORINGS LOCATION SURVEY" DATED 11/24/2008 AND TRC DRAWING ENTITLED PROPOSED REMEDIAL INVESTIGATION SAMPLE LOCATIONS" DATE UNKNOWN.
4. ALL LOCATIONS ARE APPROXIMATE.
5. HISTORICAL SHORELINES DIGITIZED FROM W BRIDGES, 1814 AND COLTON, 1836.
6. FORMER MANUFACTURED GAS PLANT (MGP) STRUCTURES ARE FROM THE CONSOLIDATED GAS COMPANY PLANT, AS SHOWN ON SANBORN MAPPING DATED 1895.
7. BORINGS WERE COMPLETED BY BBL DURING THE PRELIMINARY SITE INVESTIGATION (2002) AND PHASE II SITE INVESTIGATION (2003).
8. DATA FOR PREVIOUSLY REMEDIATED PROPERTIES IS NOT SHOWN.
9. DEPTH INTERVALS ENDING AT 10 FEET bgs ARE NOT INCLUDED IN THIS FIGURE.
10. EXTENT OF NAPL AS PRESENTED ON BLOCK 689, LOT 17 IS BASED ON NAPL DELINEATION BORINGS CONDUCTED AS PART OF THE ONGOING REMEDIAL DESIGN FOR THIS PROPERTY, IN CONFORMANCE WITH THE NYSDEC–APPROVED REMEDY. NAPL IMPACTS ON THE REMAINING PROPERTIES ARE SHOWN AS SINGLE BORINGS, CONSISTENT WITH THE LEVEL OF INFORMATION COLLECTED DURING THE SITE–WIDE RI.
11. DEPTH OF NAPL VARIES BASED ON BORING LOCATION AND DEPTH. REFER TO TABLE 8 FOR A SUMMARY OF OBSERVATIONS WITHIN THE SOIL BORINGS INSTALLED AS PART OF THE SITE–WIDE RI, AND APPENDIX B FOR THE SOIL BORING LOGS.
12. NAPL OBSERVATIONS INCLUDE TRACE AMOUNTS (I.E. BLEBS OR DROPLETS) TO PARTIAL OR FULLY SATURATED INTERVALS WITH THE MAJORITY OF IMPACTS BEING BLEBS.

0 80' 160'
GRAPHIC SCALE

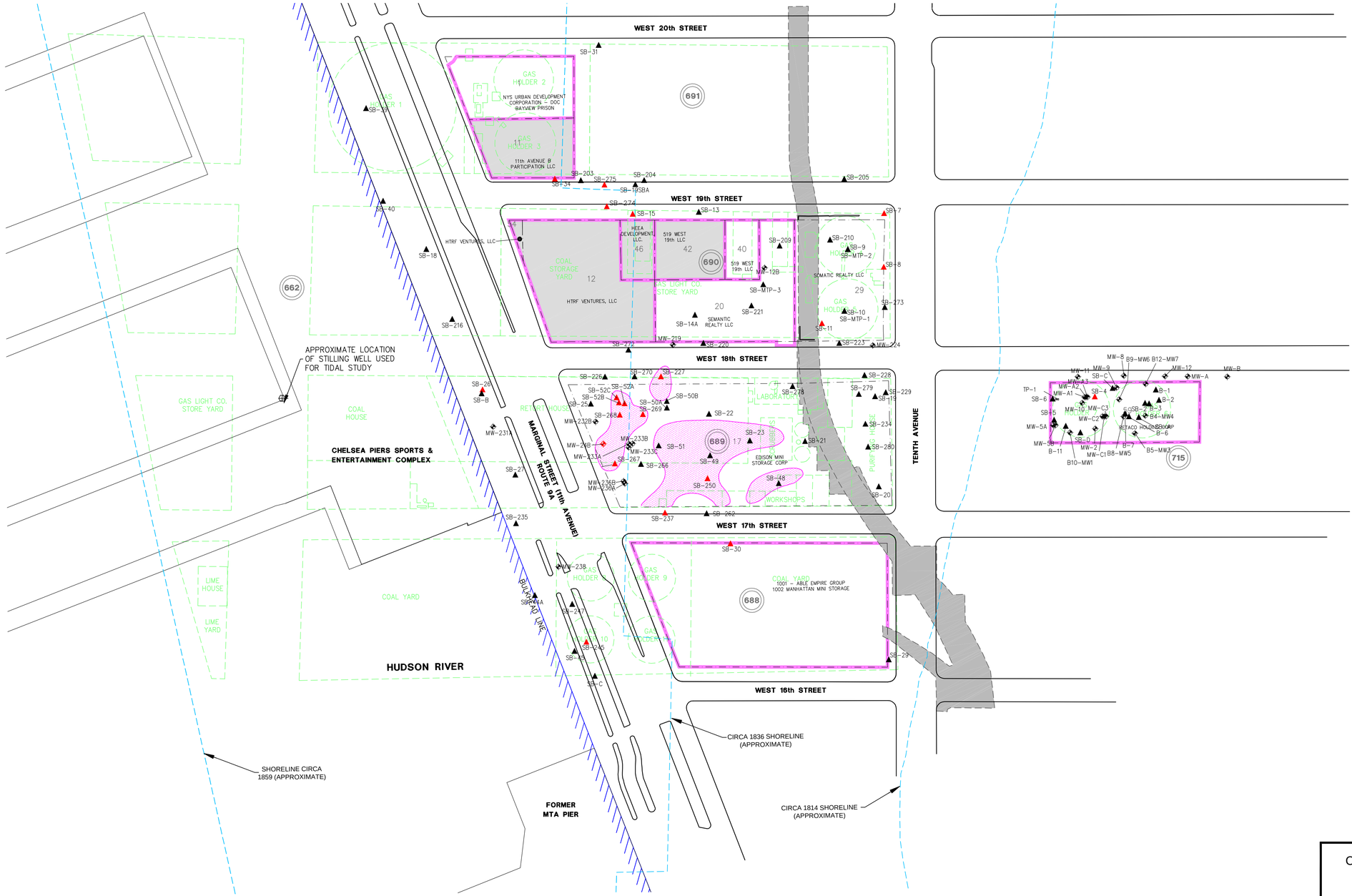
CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
WEST 18TH STREET FORMER GAS WORKS
REMEDIAL INVESTIGATION REPORT

OCCURRENCE OF NAPL IN SUBSURFACE SOILS FROM 10 TO <20 FEET bgs

ARCADIS

FIGURE
9

CITY:Syracuse DIV/GROUP:Env-141 DB:A.Schilling LD:A.Schilling PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(On)ON=*OFF=*REF*
G:\ENVCAD\SYRACUSE\ACTIVE\B0043011\0001\000041\DWG\R\43011C02.DWG LAYOUT: 9SAVED: 12/23/2009 1:55 PM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---PLOTSTYLETABLE: PLTFULL.CTBPLOTTED: 12/23/2009 2:43 PM BY: SCHILLING, ADAM
XREFS: IMAGES: PROJECTNAME: ----
43011X00
43011X03
43011X04
43011X05
43011X07
43011X06



LEGEND:

- MONITORING WELL LOCATION
- SOIL BORING LOCATION
- TEST PIT LOCATION
- INDICATES NAPL WAS OBSERVED DURING SOIL BORING ACTIVITIES
- LOT BOUNDARY
- 691 — BLOCK ID
- 43 — LOT ID
- BULKHEAD
- HIGH LINE
- REMEDIATED PROPERTY
- CURRENT BUILDING FOOTPRINT
- SHADED AREA REPRESENTS NAPL IMPACTS BASED ON THE HIGH DENSITY BORINGS WHICH WILL SUPPORT THE REMEDIAL DESIGN FOR BLOCK 689, LOT 17

NOTE:

1. BLOCK AND LOT ID AND PROPERTY LINE FROM NEW YORK CITY DEPARTMENT OF FINANCE AUTOMATED CITY REGISTER INFORMATION SYSTEM (ACRIS).
2. SURVEY CONTROL WAS TAKEN FROM SITE WIDE BASE SURVEY PREPARED BY MUNOZ ENGINEERING, P.C. DATED APRIL 2007.
3. CURBING AND STREET BOUNDARIES TAKEN FROM MUNOZ ENGINEERING DRAWING ENTITLED MONITORING WELLS AND BORINGS LOCATION SURVEY" DATED 11/24/2008 AND TRC DRAWING ENTITLED PROPOSED REMEDIAL INVESTIGATION SAMPLE LOCATIONS" DATE UNKNOWN.
4. ALL LOCATIONS ARE APPROXIMATE.
5. HISTORICAL SHORELINES DIGITIZED FROM W BRIDGES, 1814 AND COLTON, 1836.
6. FORMER MANUFACTURED GAS PLANT (MGP) STRUCTURES ARE FROM THE CONSOLIDATED GAS COMPANY PLANT, AS SHOWN ON SANBORN MAPPING DATED 1895.
7. BORINGS WERE COMPLETED BY BBL DURING THE PRELIMINARY SITE INVESTIGATION (2002) AND PHASE II SITE INVESTIGATION (2003).
8. DATA FOR PREVIOUSLY REMEDIATED PROPERTIES IS NOT SHOWN.
9. DEPTH INTERVALS ENDING AT 10 FEET bgs ARE NOT INCLUDED IN THIS FIGURE.
10. EXTENT OF NAPL AS PRESENTED ON BLOCK 689, LOT 17 IS BASED ON NAPL DELINEATION BORINGS CONDUCTED AS PART OF THE ONGOING REMEDIAL DESIGN FOR THIS PROPERTY, IN CONFORMANCE WITH THE NYSDEC-APPROVED REMEDY. NAPL IMPACTS ON THE REMAINING PROPERTIES ARE SHOWN AS SINGLE BORINGS, CONSISTENT WITH THE LEVEL OF INFORMATION COLLECTED DURING THE SITE-WIDE RI.
11. DEPTH OF NAPL VARIES BASED ON BORING LOCATION AND DEPTH. REFER TO TABLE 8 FOR A SUMMARY OF OBSERVATIONS WITHIN THE SOIL BORINGS INSTALLED AS PART OF THE SITE-WIDE RI, AND APPENDIX B FOR THE SOIL BORING LOGS.
12. NAPL OBSERVATIONS INCLUDE TRACE AMOUNTS (I.E. BLEBS OR DROPLETS) TO PARTIAL OR FULLY SATURATED INTERVALS WITH THE MAJORITY OF IMPACTS BEING BLEBS.

0 80' 160'
GRAPHIC SCALE

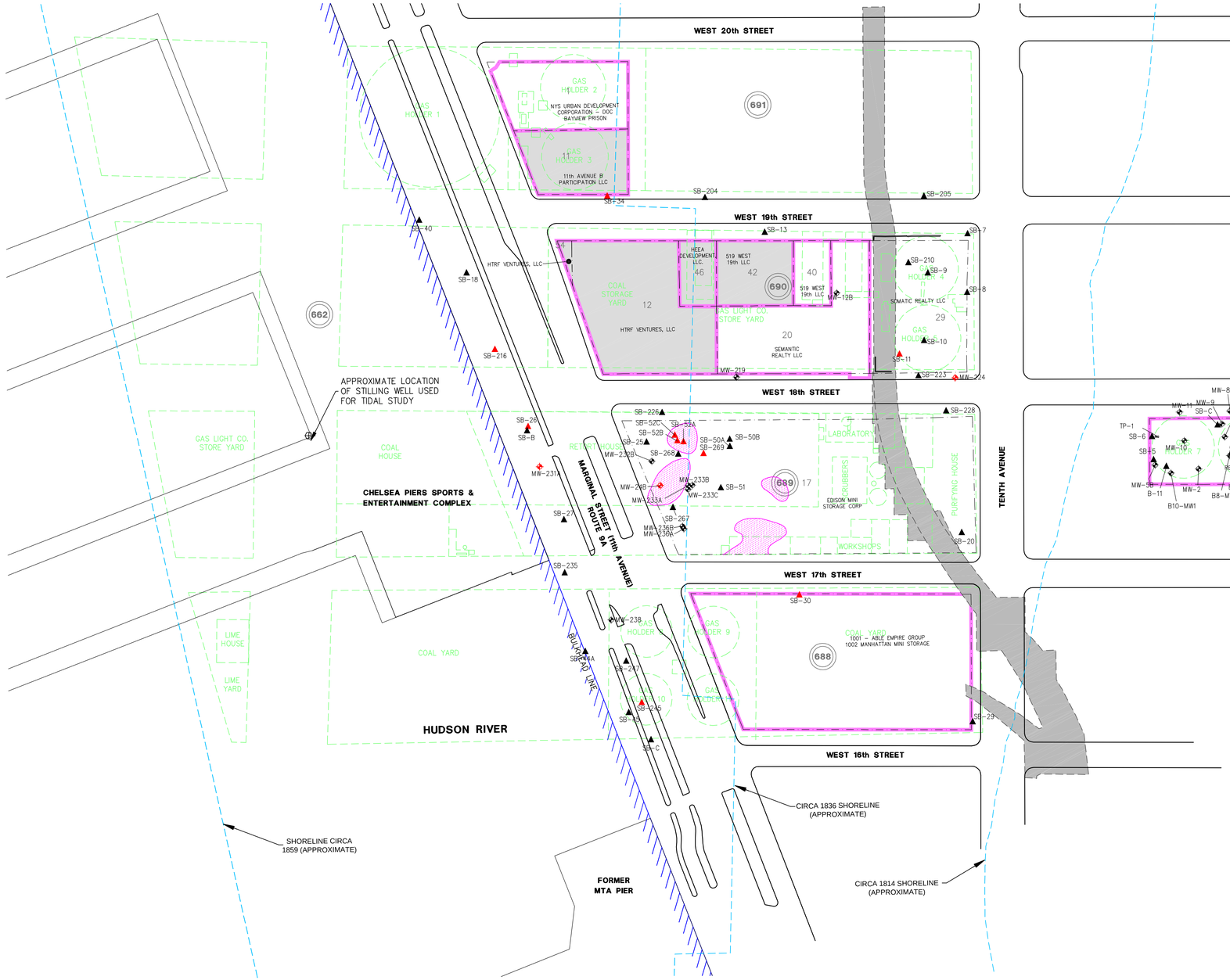
CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
WEST 18TH STREET FORMER GAS WORKS
REMEDIAL INVESTIGATION REPORT

OCCURENCE OF NAPL IN SUBSURFACE SOIL FROM 20 TO <30 FEET bgs

ARCADIS

FIGURE
10

CITY:Syracuse DIV/GROUP:Env-141 DB:A.Schilling LD:A.Schilling PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\SYRACUSE\ACTIVE\B0043011\0001\000041\DWG\R\43011C03.DWG LAYOUT: 10SAVED: 12/23/2009 3:13 PM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 12/23/2009 3:13 PM BY: SCHILLING, ADAM
XREFS: IMAGES: PROJECTNAME: ----
43011X00
43011X03
43011X04
43011X05
43011X07
43011X06



LEGEND:

- MONITORING WELL LOCATION
- SOIL BORING LOCATION
- TEST PIT LOCATION
- INDICATES NAPL WAS OBSERVED DURING SOIL BORING ACTIVITIES
- LOT BOUNDARY
- 691 — BLOCK ID
- 43 — LOT ID
- BULKHEAD
- HIGH LINE
- REMEDIATED PROPERTY
- CURRENT BUILDING FOOTPRINT
- SHADED AREA REPRESENTS NAPL IMPACTS BASED ON THE HIGH DENSITY BORINGS WHICH WILL SUPPORT THE REMEDIAL DESIGN FOR BLOCK 689, LOT 17

NOTE:

1. BLOCK AND LOT ID AND PROPERTY LINE FROM NEW YORK CITY DEPARTMENT OF FINANCE AUTOMATED CITY REGISTER INFORMATION SYSTEM (ACRIS).
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3. CURBING AND STREET BOUNDARIES TAKEN FROM MUNOZ ENGINEERING DRAWING ENTITLED MONITORING WELLS AND BORINGS LOCATION SURVEY" DATED 11/24/2008 AND TRC DRAWING ENTITLED PROPOSED REMEDIAL INVESTIGATION SAMPLE LOCATIONS" DATE UNKNOWN.
4. ALL LOCATIONS ARE APPROXIMATE.
5. HISTORICAL SHORELINES DIGITIZED FROM W BRIDGES, 1814 AND COLTON, 1836.
6. FORMER MANUFACTURED GAS PLANT (MGP) STRUCTURES ARE FROM THE CONSOLIDATED GAS COMPANY PLANT, AS SHOWN ON SANBORN MAPPING DATED 1895.
7. BORINGS WERE COMPLETED BY BBL DURING THE PRELIMINARY SITE INVESTIGATION (2002) AND PHASE II SITE INVESTIGATION (2003).
8. DATA FOR PREVIOUSLY REMEDIATED PROPERTIES IS NOT SHOWN.
9. DEPTH INTERVALS ENDING AT 10 FEET bgs ARE NOT INCLUDED IN THIS FIGURE.
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12. NAPL OBSERVATIONS INCLUDE TRACE AMOUNTS (I.E. BLEBS OR DROPLETS) TO PARTIAL OR FULLY SATURATED INTERVALS WITH THE MAJORITY OF IMPACTS BEING BLEBS.

0 80' 160'
GRAPHIC SCALE

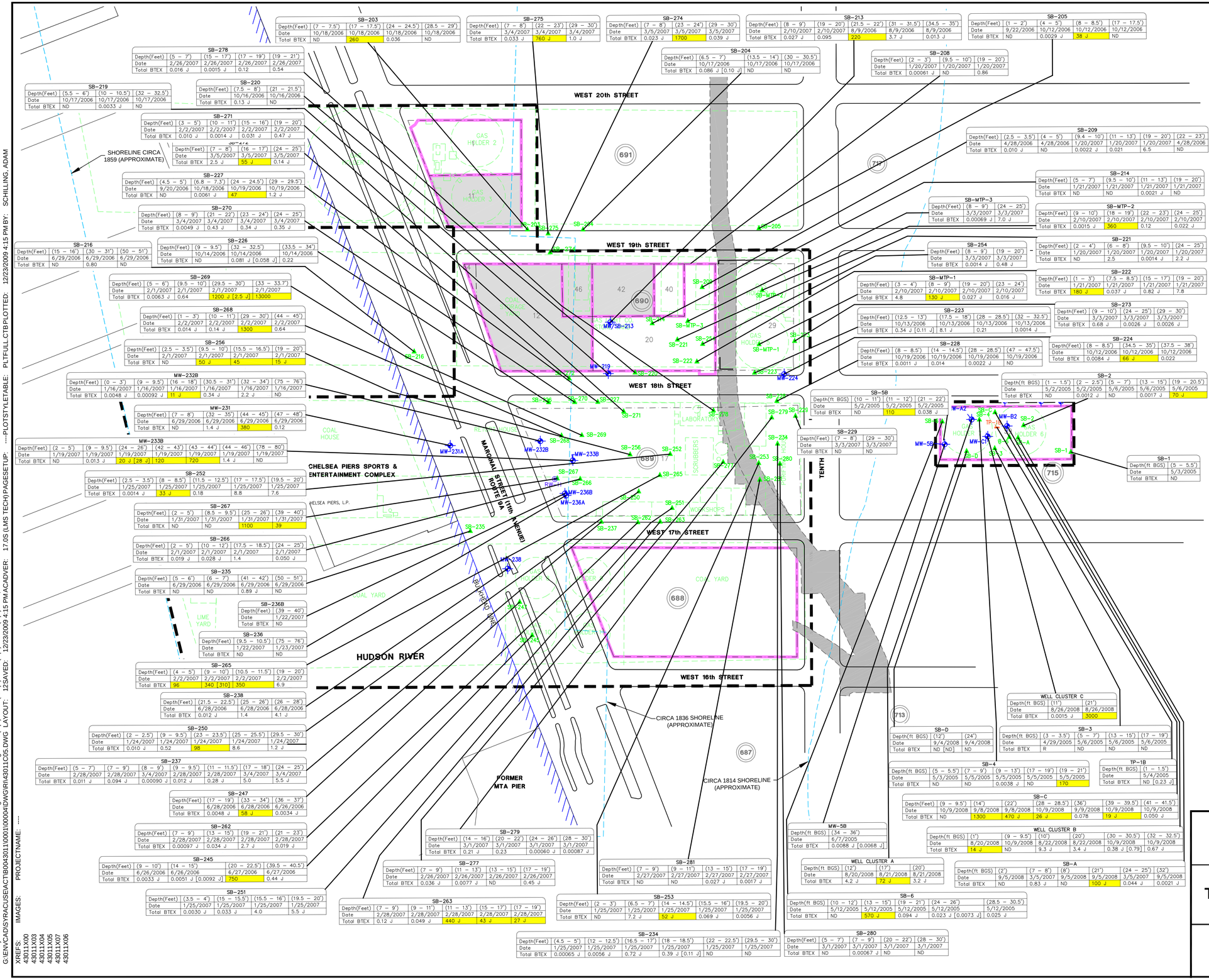
CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
WEST 18TH STREET FORMER GAS WORKS
REMEDIAL INVESTIGATION REPORT

OCCURENCE OF NAPL IN SUBSURFACE AT DEPTHS OF GREATER THAN 30 FEET bgs

ARCADIS

FIGURE
11

CITY:Syracuse DIV/GROUP:Env-141 DB:A.Schilling LD:A.Schilling PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\SYRACUSE\ACTIB0043011\000100004\DWG\R\43011C04.DWG LAYOUT: 11SAVED: 12/23/2009 3:14 PM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 12/23/2009 3:14 PM BY: SCHILLING, ADAM
XREFS: IMAGES: PROJECTNAME: ----
43011X00
43011X03
43011X04
43011X05
43011X07
43011X06



SB-203				
Depth(Feet)	(7 – 7.5')	(17 – 17.5')	(24 – 24.5')	(28.5 – 29')
Date	10/18/2006	10/18/2006	10/18/2006	10/18/2006
Total BTEX	ND	260	0.036	ND

SB-275			
Depth(Feet)	(7 – 8')	(23 – 24')	(29 – 30')
Date	3/4/2007	3/4/2007	3/4/2007
Total BTEX	0.033 J	760 J	1.0 J

SB-274			
Depth(Feet)	(7 – 8')	(23 – 24')	(29 – 30')
Date	3/5/2007	3/5/2007	3/5/2007
Total BTEX	0.023 J	1700	0.039 J

SB-213				
Depth(Feet)	(8 – 9')	(19 – 20')	(21.5 – 22')	(31 – 31.5')	(34.5 – 35')
Date	2/10/2007	2/10/2007	8/9/2006	8/9/2006	8/9/2006
Total BTEX	0.027 J	0.095	220	3.7 J	0.013 J

SB-205				
Depth(Feet)	(1 – 2')	(4 – 5')	(8 – 8.5')	(17 – 17.5')
Date	9/22/2006	10/12/2006	10/12/2006	10/12/2006
Total BTEX	ND	0.0029 J	38 J	ND

SB-278				
Depth(Feet)	(5 – 7')	(15 – 17')	(17 – 19')	(19 – 21')
Date	2/26/2007	2/26/2007	2/26/2007	2/26/2007
Total BTEX	0.016 J	0.0015 J	0.12	0.54

SB-204			
Depth(Feet)	(6.5 – 7')	(13.5 – 14')	(30 – 30.5')
Date	10/17/2006	10/17/2006	10/17/2006
Total BTEX	0.086 J [0.10 J]	ND	ND

SB-208			
Depth(Feet)	(2 – 3')	(9.5 – 10')	(19 – 20')
Date	1/20/2007	1/20/2007	1/20/2007
Total BTEX	0.00061 J	ND	0.86

SB-209						
Depth(Feet)	(2.5 – 3.5')	(4 – 5')	(9.4 – 10')	(11 – 13')	(19 – 20')	(22 – 23')
Date	4/28/2006	4/28/2006	1/20/2007	1/20/2007	1/20/2007	4/28/2006
Total BTEX	0.010 J	ND	0.0022 J	0.021	6.5	ND

SB-219			
Depth(Feet)	(5.5 – 6')	(10 – 10.5')	(32 – 32.5')
Date	10/17/2006	10/17/2006	10/17/2006
Total BTEX	ND	0.0033 J	ND

SB-220		
Depth(Feet)	(7.5 – 8')	(21 – 21.5')
Date	10/16/2006	10/16/2006
Total BTEX	0.13 J	ND

SB-271				
Depth(Feet)	(3 – 5')	(10 – 11')	(15 – 16')	(19 – 20')
Date	2/2/2007	2/2/2007	2/2/2007	2/2/2007
Total BTEX	0.010 J	0.0014 J	0.031 J	0.47 J

SB-272				
Depth(Feet)	(7 – 8')	(16 – 17')	(24 – 25')	
Date	3/5/2007	3/5/2007	3/5/2007	
Total BTEX	2.5 J	55 J	0.14 J	

SB-227				
Depth(Feet)	(4.5 – 5')	(6.8 – 7.3')	(24 – 24.5')	(29 – 29.5')
Date	9/20/2006	10/18/2006	10/19/2006	10/19/2006
Total BTEX	ND	0.0061 J	47	1.2 J

SB-270				
Depth(Feet)	(8 – 9')	(21 – 22')	(23 – 24')	(24 – 25')
Date	3/4/2007	3/4/2007	3/4/2007	3/4/2007
Total BTEX	0.0049 J	0.43 J	0.34 J	0.35 J

SB-216				
Depth(Feet)	(15 – 16')	(30 – 31')	(50 – 51')	
Date	6/29/2006	6/29/2006	6/29/2006	
Total BTEX	ND	0.80	ND	

SB-226			
Depth(Feet)	(9 – 9.5')	(32 – 32.5')	(33.5 – 34')
Date	10/14/2006	10/14/2006	10/14/2006
Total BTEX	ND	0.081 J [0.058 J]	0.22

SB-269				
Depth(Feet)	(5 – 6')	(9.5 – 10')	(29.5 – 30')	(33 – 33.7')
Date	2/1/2007	2/1/2007	2/1/2007	2/1/2007
Total BTEX	0.0063 J	0.64	1200 J [2.5 J]	13000

SB-268				
Depth(Feet)	(1 – 3')	(10 – 11')	(29 – 30')	(44 – 45')
Date	2/2/2007	2/2/2007	2/2/2007	2/2/2007
Total BTEX	0.014 J	0.14 J	1300	0.64

SB-256				
Depth(Feet)	(2.5 – 3.5')	(9.5 – 10')	(15.5 – 16.5')	(19 – 20')
Date	2/1/2007	2/1/2007	2/1/2007	2/1/2007
Total BTEX	ND	50 J	45	15 J

MW-232B						
Depth(Feet)	(0 – 3')	(9 – 9.5')	(16 – 18')	(30.5 – 31')	(32 – 34')	(75 – 76')
Date	1/16/2007	1/16/2007	1/16/2007	1/16/2007	1/16/2007	1/16/2007
Total BTEX	0.0048 J	0.00092 J	11 J	0.34 J	2.2 J	ND

MW-231				
Depth(Feet)	(7 – 8')	(32 – 35')	(44 – 45')	(47 – 48')
Date	6/29/2006	6/29/2006	6/29/2006	6/29/2006
Total BTEX	ND	1.4 J	380	0.12

MW-233B							
Depth(Feet)	(2 – 5')	(9 – 9.5')	(24 – 26')	(42 – 43')	(43 – 44')	(44 – 46')	(78 – 80')
Date	1/19/2007	1/19/2007	1/19/2007	1/19/2007	1/19/2007	1/19/2007	1/19/2007
Total BTEX	ND	0.013 J	20 J [28 J]	120	720	1.4 J	ND

SB-252					
Depth(Feet)	(2.5 – 3.5')	(8 – 8.5')	(11.5 – 12.5')	(17 – 17.5')	(19.5 – 20')
Date	1/25/2007	1/25/2007	1/25/2007	1/25/2007	1/25/2007
Total BTEX	0.0014 J	33 J	0.18	8.8	7.6

SB-267				
Depth(Feet)	(2 – 5')	(8.5 – 9.5')	(25 – 26')	(39 – 40')
Date	1/31/2007	1/31/2007	1/31/2007	1/31/2007
Total BTEX	ND	ND	1100	39

SB-266				
Depth(Feet)	(2 – 5')	(10 – 12')	(17.5 – 18.5')	(24 – 25')
Date	2/1/2007	2/1/2007	2/1/2007	2/1/2007
Total BTEX	0.019 J	0.028 J	1.4	0.050 J

SB-235				
Depth(Feet)	(5 – 6')	(6 – 7')	(41 – 42')	(50 – 51')
Date	6/29/2006	6/29/2006	6/29/2006	6/29/2006
Total BTEX	ND	ND	0.89 J	ND

SB-236B	
Depth(Feet)	(39 – 40')
Date	1/22/2007
Total BTEX	ND

SB-236		
Depth(Feet)	(9.5 – 10.5')	(75 – 76')
Date	1/22/2007	1/23/2007
Total BTEX	ND	ND

SB-265				
Depth(Feet)	(4 – 5')	(9 – 10')	(10.5 – 11.5')	(19 – 20')
Date	2/2/2007	2/2/2007	2/2/2007	2/2/2007
Total BTEX	96	340 [310]	350	6.9

SB-238			
Depth(Feet)	(21.5 – 22.5')	(25 – 26')	(26 – 28')
Date	6/28/2006	6/28/2006	6/28/2006
Total BTEX	0.012 J	1.4	4.1 J

SB-250					
Depth(Feet)	(2 – 2.5')	(9 – 9.5')	(23 – 23.5')	(25 – 25.5')	(29.5 – 30')
Date	1/24/2007	1/24/2007	1/24/2007	1/24/2007	1/24/2007
Total BTEX	0.010 J	0.52	98	8.6	1.2 J

SB-237							
Depth(Feet)	(5 – 7')	(7 – 9')	(8 – 9')	(9 – 9.5')	(11 – 11.5')	(17 – 18')	(24 – 25')
Date	2/28/2007	2/28/2007	3/4/2007	2/28/2007	2/28/2007	3/4/2007	3/4/2007
Total BTEX	0.011 J	0.094 J	0.00090 J	0.012 J	0.28 J	5.0	5.5 J

SB-247			
Depth(Feet)	(17 – 19')	(33 – 34')	(36 – 37')
Date	6/28/2006	6/28/2006	6/26/2006
Total BTEX	0.0048 J	58 J	0.0034 J

SB-262				
Depth(Feet)	(7 – 9')	(13 – 15')	(19 – 21')	(21 – 23')
Date	2/28/2007	2/28/2007	2/28/2007	2/28/2007
Total BTEX	0.00097 J	0.034 J	2.7 J	0.019 J

SB-245				
Depth(Feet)	(9 – 10')	(14 – 15')	(20 – 22.5')	(39.5 – 40.5')
Date	6/26/2006	6/26/2006	6/27/2006	6/27/2006
Total BTEX	0.0033 J	0.0051 J [0.0092 J]	750	0.44 J

SB-251					
Depth(Feet)	(3.5 – 4')	(15 – 15.5')	(15.5 – 16')	(19.5 – 20')	
Date	1/25/2007	1/25/2007	1/25/2007	1/25/2007	
Total BTEX	0.0030 J	0.033 J	4.0	5.5 J	

SB-279					
Depth(Feet)	(14 – 16')	(20 – 22')	(24 – 26')	(28 – 30')	
Date	3/1/2007	3/1/2007	3/1/2007	3/1/2007	
Total BTEX	0.21 J	0.23	0.00060 J	0.00087 J	

SB-277					
Depth(Feet)	(7 – 9')	(11 – 13')	(13 – 15')	(17 – 19')	
Date	2/26/2007	2/26/2007	2/26/2007	2/26/2007	
Total BTEX	0.036 J	0.0077 J	ND	0.45 J	

SB-263						
Depth(Feet)	(7 – 9')	(9 – 11')	(11 – 13')	(15 – 17')	(17 – 19')	
Date	2/28/2007	2/28/2007	2/28/2007	2/28/2007	2/28/2007	
Total BTEX	0.12 J	0.049 J	440 J	43 J	27 J	

SB-281					
Depth(Feet)	(7 – 9')	(9 – 11')	(13 – 15')	(17 – 19')	
Date	2/27/2007	2/27/2007	2/27/2007	2/27/2007	
Total BTEX	ND	ND	0.027 J	0.0017 J	

SB-253					
Depth(Feet)	(2 – 3')	(6.5 – 7')	(14 – 14.5')	(15.5 – 16')	(19.5 – 20')
Date	1/25/2007	1/25/2007	1/25/2007	1/25/2007	1/25/2007
Total BTEX	ND	7.2 J	52 J	0.069 J	0.0056 J

SB-234						
Depth(Feet)	(4.5 – 5')	(12 – 12.5')	(16.5 – 17')	(18 – 18.5')	(22 – 22.5')	(29.5 – 30')
Date	1/25/2007	1/25/2007	1/25/2007	1/25/2007	1/25/2007	1/25/2007
Total BTEX	0.00065 J	0.0056 J	0.72 J	0.39 J [0.11 J]	ND	ND

SB-280					
Depth(Feet)	(5 – 7')	(7 – 9')	(20 – 22')	(28 – 30')	
Date	3/1/2007	3/1/2007	3/1/2007	3/1/2007	
Total BTEX	ND	0.00067 J	ND	ND	

SB-MTP-3		
Depth(Feet)	(8 – 9')	(24 – 25')
Date	3/3/2007	3/3/2007
Total BTEX	0.00069 J	7.0 J

SB-214				
Depth(Feet)	(5 – 7')	(9.5 – 10')	(11 – 13')	(19 – 20')
Date	1/21/2007	1/21/2007	1/21/2007	1/21/2007
Total BTEX	ND	ND	0.0021 J	ND

SB-MTP-2					
Depth(Feet)	(9 – 10')	(18 – 19')	(22 – 23')	(24 – 25')	
Date	2/10/2007	2/10/2007	2/10/2007	2/10/2007	
Total BTEX	0.0015 J	360	0.12	0.022 J	

SB-254			
Depth(Feet)	(8 – 9')	(19 – 20')	
Date	3/3/2007	3/3/2007	
Total BTEX	0.0014 J	0.48 J	

SB-221					
Depth(Feet)	(2 – 4')	(6 – 8')	(9.5 – 10')	(24 – 25')	
Date	1/20/2007	1/20/2007	1/20/2007	1/20/2007	
Total BTEX	ND	2.5	0.0014 J	2.2 J	

SB-MTP-1				
Depth(Feet)	(3 – 4')	(8 – 9')	(19 – 20')	(23 – 24')
Date	2/10/2007	2/10/2007	2/10/2007	2/10/2007
Total BTEX	4.8	130 J	0.027 J	0.016 J

SB-222				
Depth(Feet)	(1 – 3')	(7.5 – 8.5')	(15 – 17')	(19 – 20')
Date	1/21/2007	1/21/2007	1/21/2007	1/21/2007
Total BTEX	180 J	0.037 J	0.82 J	7.8

SB-223				
Depth(Feet)	(12.5 – 13')	(17.5 – 18')	(28 – 28.5')	(32 – 32.5')
Date	10/13/2006	10/13/2006	10/13/2006	10/13/2006
Total BTEX	0.34 J [0.11 J]	8.1 J	0.21	0.0014 J

SB-273			
Depth(Feet)	(9 – 10')	(24 – 25')	(29 – 30')
Date	3/3/2007	3/3/2007	3/3/2007
Total BTEX	0.68 J	0.0026 J	0.0026 J

SB-228				
Depth(Feet)	(8 – 8.5')	(14 – 14.5')	(28 – 28.5')	(47 – 47.5')
Date	10/19/2006	10/19/2006	10/19/2006	10/19/2006
Total BTEX	0.0011 J	0.014	0.0022 J	ND

SB-224				
Depth(Feet)	(8 – 8.5')	(34.5 – 35')	(37.5 – 38')	
Date	10/12/2006	10/12/2006	10/12/2006	
Total BTEX	0.0084 J	66 J	0.022	

SB-2					
Depth(ft BGS)	(1 – 1.5')	(2 – 2.5')	(5 – 7')	(13 – 15')	(19 – 20.5')
Date	5/2/2005	5/2/2005	5/6/2005	5/6/2005	5/6/2005
Total BTEX	ND	0.0012 J	ND	0.0017 J	70 J

SB-58			
Depth(ft BGS)	(10 – 11')	(11 – 12')	(21 – 22')
Date	5/2/2005	5/2/2005	5/2/2005
Total BTEX	ND	110	0.038 J

SB-229		
Depth(Feet)	(7 – 8')	(29 – 30')
Date	3/3/2007	3/3/2007
Total BTEX	ND	ND

SB-1	
Depth(ft BGS)	(5 – 5.5')
Date	5/3/2005
Total BTEX	ND

SB-1	
Depth(feet)	(5 – 5.5')
Date	5/3/2005
Total BTEX	ND

WELL CLUSTER C		
Depth(ft BGS)	(11')	(21')
Date	8/26/2008	8/26/2008
Total BTEX	0.0015 J	3000

SB-D		
Depth(ft BGS)	(12')	(24')
Date	9/4/2008	9/4/2008
Total BTEX	ND [ND]	ND

SB-3					
Depth(ft BGS)	(3 – 3.5')	(5 – 7')	(13 – 15')	(17 – 19')	
Date	4/29/2005	5/6/2005	5/6/2005	5/6/2005	
Total BTEX	R	ND	ND	ND	

SB-4					
Depth(ft BGS)	(5 – 5.5')	(7 – 9')	(9 – 13')	(17 – 19')	(19 – 21')
Date	5/3/2005	5/5/2005	5/5/2005	5/5/2005	5/5/2005
Total BTEX	ND	ND	0.0038 J	ND	170

TP-1B	
Depth(ft BGS)	(1 – 1.5')
Date	5/4/2005
Total BTEX	ND [0.23 J]

SB-C							
Depth(Feet)	(9 – 9.5')	(14')	(22')	(28 – 28.5')	(36')	(39 – 39.5')	(41 – 41.5')
Date	10/9/2008	9/8/2008	9/8/2008	10/9/2008	9/9/2008	10/9/2008	10/9/2008
Total BTEX	ND	1300	470 J	26 J	0.078	19 J	0.050 J

WELL CLUSTER B						
Depth(ft BGS)	(1')	(9 – 9.5')	(10')	(20')	(30 – 30.5')	(32 – 32.5')
Date	8/20/2008	10/9/2008	8/22/2008	8/22/2008	10/9/2008	10/9/2008
Total BTEX	14 J	ND	9.3 J	3.4 J	0.38 J [0.79]	0.67 J

MW-5B	
Depth(ft BGS)	(34 – 36')
Date	6/7/2005
Total BTEX	0.0088 J [0.0068 J]

WELL CLUSTER A			
Depth(ft BGS)	(12')	(17')	(20')
Date	8/20/2008	8/21/2008	8/21/2008
Total BTEX	4.2 J	72 J	3.2 J

SB-A						
Depth(ft BGS)	(2')	(7 – 8')	(8')	(21')	(24 – 25')	(32')
Date	9/5/2008	3/5/2007	9/5/2008	9/5/2008	3/5/2007	9/5/2008
Total BTEX	ND	0.83 J	ND	100 J	0.044 J	0.0021 J

SB-6					
Depth(ft BGS)	(10 – 12')	(13 – 15')	(19 – 21')	(24 – 26')	(28.5 – 30.5')
Date	5/12/2005	5/12/2005	5/12/2005	5/12/2005	5/12/2005
Total BTEX	ND	570 J	0.094 J	0.023 J [0.0073 J]	0.025 J

LEGEND:

- MONITORING WELL LOCATION
- SOIL BORING LOCATION
- RECOVERY WELL LOCATION
- TEST PIT LOCATION
- LOT BOUNDARY
- 691 BLOCK ID
- 43 LOT ID
- BULKHEAD
- HIGH LINE
- LIMITS OF FORMER GAS WORKS
- HISTORICAL FEATURES
- CURRENT BUILDING FOOTPRINT
- PROPERTY HAS BEEN REMEDIATED

1. SHADING INDICATES VALUE EXCEEDS 10 PARTS PER MILLION (ppm) FOR TOTAL BTEX.
2. [ ] INDICATES DUPLICATE RESULTS.

NOTE:

1. BLOCK AND LOT ID AND PROPERTY LINE FROM NEW YORK CITY DEPARTMENT OF FINANCE AUTOMATED CITY REGISTER INFORMATION SYSTEM (ACRIS).
2. SURVEY CONTROL WAS TAKEN FROM SITE WIDE BASE SURVEY PREPARED BY MUNOZ ENGINEERING, P.C. DATED APRIL 2007.
3. CURBING AND STREET BOUNDARIES TAKEN FROM MUNOZ ENGINEERING DRAWING ENTITLED MONITORING WELLS AND BORINGS LOCATION SURVEY" DATED 11/24/2008 AND TRC DRAWING ENTITLED PROPOSED REMEDIAL INVESTIGATION SAMPLE LOCATIONS" DATE UNKNOWN.
4. ALL LOCATIONS ARE APPROXIMATE.
5. HISTORICAL SHORELINES DIGITIZED FROM W BRIDGES, 1814 AND COLTON, 1836.
6. FORMER MANUFACTURED GAS PLANT (MGP) STRUCTURES ARE FROM THE CONSOLIDATED GAS COMPANY PLANT, AS SHOWN ON SANBORN MAPPING DATED 1895.
7. BORINGS WERE COMPLETED BY BBL DURING THE PRELIMINARY SITE INVESTIGATION (2002) AND PHASE II SITE INVESTIGATION (2003).
8. BTEX = BENZENE, TOLUENE, ETHYLBENZENE, AND XYLENES.
9. SHADING INDICATES THE VALUE EXCEEDS 10 mg/Kg FOR TOTAL BTEX IN SOIL SAMPLES.
10. ALL CONCENTRATIONS ARE PRESENTED IN MILLIGRAMS PER KILOGRAM (mg/Kg) WHICH IS EQUIVALENT TO PARTS PER MILLION (ppm).
11. FIELD DUPLICATE SAMPLE RESULTS ARE PRESENTED IN BRACKETS [].
12. J = INDICATES THE PRESENCE OF A COMPOUND THAT MEETS THE IDENTIFICATION CRITERIA. THE RESULT IS LESS THAN THE QUANTITATION LIMIT BUT GREATER THAN ZERO.
13. ND = NONE DETECTED.
14. ALL SOIL ANALYTICAL RESULTS FOR TOTAL BTEX IN SOIL SAMPLES ARE REPORTED IN THIS FIGURE.

0 80' 160'
GRAPHIC SCALE

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
WEST 18TH STREET FORMER GAS WORKS
REMEDIAL INVESTIGATION REPORT

TOTAL BTEX IN SOIL SAMPLES (mg/kg)

ARCADIS

FIGURE 12

CITY:Syracuse DIV/GROUP:Env-141 DB:A.Schilling LD:A.Schilling PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(On)ON=*;OFF=*REF* SCHILLING, ADAM
G:\ENVCAD\SYRACUSE\ACTIVE\ACTIVE\B0043011\0001\000041\DWG\R\A43011C05.DWG LAYOUT: 12SAVED: 12/23/2009 4:15 PM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 12/23/2009 4:15 PM BY:
XREFS: 43011X00 43011X03 43011X04 43011X05 43011X07 43011X06 IMAGES: PROJECTNAME: ----

CITY:Syracuse DIV/GROUP:Env-141 DB:A.Schilling LD:A.Schilling PIC:(Opt) PM:(Readt) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCADISYRACUSEACTIB00430111000110000410WGR\1430111C06.DWG LAYOUT: 13SAVED: 12/23/2009 1:58 PM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 12/23/2009 4:13 PM BY: SCHILLING, ADAM
XREFS: IMAGES: PROJECTNAME: ----
430111X00
430111X03
430111X04
430111X05
430111X07
430111X06

SB-203

Depth(Feet)	(7 – 7.5')	(17 – 17.5')	(24 – 24.5')	(28.5 – 29')
Date	10/18/2006	10/18/2006	10/18/2006	10/18/2006
Total PAHs	14 J	4300 J	0.46 J	ND

SB-275

Depth(Feet)	(7 – 8')	(22 – 23')	(29 – 30')
Date	3/4/2007	3/4/2007	3/4/2007
Total PAHs	4.1 J	17000 J	0.22 J

SB-274

Depth(Feet)	(7 – 8')	(23 – 24')	(29 – 30')
Date	3/5/2007	3/5/2007	3/5/2007
Total PAHs	5.5 J	41000 J	1.9 J

SB-213

Depth(Feet)	(8 – 9')	(19 – 20')	(21.5 – 22')	(31 – 31.5')	(34.5 – 35')
Date	2/10/2007	2/10/2007	8/9/2006	8/9/2006	8/9/2006
Total PAHs	27 J	ND	3300 J	5.9 J	1.8 J

SB-205

Depth(Feet)	(1 – 2')	(4 – 5')	(8 – 8.5')	(17 – 17.5')
Date	9/22/2006	10/12/2006	10/12/2006	10/12/2006
Total PAHs	0.051 J	1.2 J	130 J	ND

SB-278

Depth(Feet)	(5 – 7')	(15 – 17')	(17 – 19')	(19 – 21')
Date	2/26/2007	2/26/2007	2/26/2007	2/26/2007
Total PAHs	6.5 J	0.069 J	11 J	ND

SB-204

Depth(Feet)	(6.5 – 7')	(13.5 – 14')	(30 – 30.5')
Date	10/17/2006	10/17/2006	10/17/2006
Total PAHs	2.3 [2.1]	ND	ND

SB-208

Depth(Feet)	(2 – 3')	(9.5 – 10')	(19 – 20')
Date	1/20/2007	1/20/2007	1/20/2007
Total PAHs	17 J	1.7 J	ND

SB-219

Depth(Feet)	(5.5 – 6')	(10 – 10.5')	(32 – 32.5')
Date	10/17/2006	10/17/2006	10/17/2006
Total PAHs	3.1 J	0.22 J	ND

SB-220

Depth(Feet)	(7.5 – 8')	(21 – 21.5')
Date	10/16/2006	10/16/2006
Total PAHs	3.2 J	ND

SB-271

Depth(Feet)	(3 – 5')	(10 – 11')	(15 – 16')	(19 – 20')
Date	2/2/2007	2/2/2007	2/2/2007	2/2/2007
Total PAHs	94 J	1.2 J	0.096 J	0.20 J

SB-272

Depth(Feet)	(7 – 8')	(16 – 17')	(24 – 25')
Date	3/5/2007	3/5/2007	3/5/2007
Total PAHs	5.7 J	510	3.0 J

SB-227

Depth(Feet)	(4.5 – 5')	(6.8 – 7.3')	(24 – 24.5')	(29 – 29.5')
Date	9/20/2006	10/18/2006	10/19/2006	10/19/2006
Total PAHs	160 J	59 J	220 J	ND

SB-270

Depth(Feet)	(8 – 9')	(21 – 22')	(23 – 24')	(24 – 25')
Date	3/4/2007	3/4/2007	3/4/2007	3/4/2007
Total PAHs	82 J	130	2.1 J	17 J

SB-216

Depth(Feet)	(15 – 16')	(30 – 31')	(50 – 51')
Date	6/29/2006	6/29/2006	6/29/2006
Total PAHs	36 J	1400 J	0.081 J

SB-226

Depth(Feet)	(9 – 9.5')	(32 – 32.5')	(33.5 – 34')
Date	10/14/2006	10/14/2006	10/14/2006
Total PAHs	0.66 J	230 J [79 J]	0.15 J

SB-269

Depth(Feet)	(5 – 6')	(9.5 – 10')	(29.5 – 30')	(33 – 33.7')
Date	2/1/2007	2/1/2007	2/1/2007	2/1/2007
Total PAHs	37 J	45 J	3900 J [180 J]	5.9 J

SB-268

Depth(Feet)	(1 – 3')	(10 – 11')	(29 – 30')	(44 – 45')
Date	2/2/2007	2/2/2007	2/2/2007	2/2/2007
Total PAHs	35 J	640 J	13000 J	14 J

SB-256

Depth(Feet)	(2.5 – 3.5')	(9.5 – 10')	(15.5 – 16.5')	(19 – 20')
Date	2/1/2007	2/1/2007	2/1/2007	2/1/2007
Total PAHs	50 J	5900 J	26 J	0.11 J

MW-232B

Depth(Feet)	(0 – 3')	(9 – 9.5')	(16 – 18')	(30.5 – 31')	(32 – 34')	(75 – 76')
Date	1/16/2007	1/16/2007	1/16/2007	1/16/2007	1/16/2007	1/16/2007
Total PAHs	140 J	640	870	870	0.82 J	ND

MW-231

Depth(Feet)	(7 – 8')	(32 – 35')	(44 – 45')	(47 – 48')
Date	6/29/2006	6/29/2006	6/29/2006	6/29/2006
Total PAHs	0.47 J	440 J	9500 J	15 J

MW-233B

Depth(Feet)	(2 – 5')	(9 – 9.5')	(24 – 26')	(42 – 43')	(43 – 44')	(44 – 46')	(78 – 80')
Date	1/19/2007	1/19/2007	1/19/2007	1/19/2007	1/19/2007	1/19/2007	1/19/2007
Total PAHs	0.10 J	28 J	650 [660]	1400 J	6800 J	96	ND

SB-252

Depth(Feet)	(2.5 – 3.5')	(8 – 8.5')	(11.5 – 12.5')	(17 – 17.5')	(19.5 – 20')
Date	1/25/2007	1/25/2007	1/25/2007	1/25/2007	1/25/2007
Total PAHs	58 J	3800 J	820 J	6.9 J	4.3 J

SB-267

Depth(Feet)	(2 – 5')	(8.5 – 9.5')	(25 – 26')	(39 – 40')
Date	1/31/2007	1/31/2007	1/31/2007	1/31/2007
Total PAHs	60 J	370 J	13000 J	640

SB-266

Depth(Feet)	(2 – 5')	(10 – 12')	(17.5 – 18.5')	(24 – 25')
Date	2/1/2007	2/1/2007	2/1/2007	2/1/2007
Total PAHs	33 J	180 J	75	ND

SB-235

Depth(Feet)	(5 – 6')	(6 – 7')	(41 – 42')	(50 – 51')
Date	6/29/2006	6/29/2006	6/29/2006	6/29/2006
Total PAHs	18 J	14 J	180 J	ND

SB-236B

Depth(Feet)	(39 – 40')
Date	1/22/2007
Total PAHs	ND

SB-236

Depth(Feet)	(9.5 – 10.5')	(75 – 76')
Date	1/22/2007	1/23/2007
Total PAHs	18 J	ND

SB-265

Depth(Feet)	(4 – 5')	(9 – 10')	(10.5 – 11.5')	(19 – 20')
Date	2/2/2007	2/2/2007	2/2/2007	2/2/2007
Total PAHs	4700 J	2800 J [3200 J]	2900 J	0.17 J

SB-238

Depth(Feet)	(21.5 – 22.5')	(25 – 26')	(26 – 28')
Date	6/28/2006	6/28/2006	6/28/2006
Total PAHs	23 J	17 J	18 J

SB-237

Depth(Feet)	(5 – 7')	(7 – 9')	(8 – 9')	(9 – 9.5')	(11 – 11.5')	(17 – 18')	(24 – 25')
Date	2/28/2007	2/28/2007	3/4/2007	2/28/2007	2/28/2007	3/4/2007	3/4/2007
Total PAHs	21 J	11 J	26 J	34 J	36 J	280	6.6 J

SB-250

Depth(Feet)	(2 – 2.5')	(9 – 9.5')	(23 – 23.5')	(25 – 25.5')	(29.5 – 30')
Date	1/24/2007	1/24/2007	1/24/2007	1/24/2007	1/24/2007
Total PAHs	31 J	230	340 J	1.7	1.1 J

SB-247

Depth(Feet)	(17 – 19')	(33 – 34')	(36 – 37')
Date	6/28/2006	6/28/2006	6/26/2006
Total PAHs	0.67 J	360 J	0.13 J

SB-262

Depth(Feet)	(7 – 9')	(13 – 15')	(19 – 21')	(21 – 23')
Date	2/28/2007	2/28/2007	2/28/2007	2/28/2007
Total PAHs	4.4 J	ND	1.6	0.33 J

SB-245

Depth(Feet)	(9 – 10')	(14 – 15')	(20 – 22.5')	(39.5 – 40.5')
Date	6/26/2006	6/26/2006	6/27/2006	6/27/2006
Total PAHs	20 J	11 J [15 J]	960 J	0.086 J

SB-251

Depth(Feet)	(3.5 – 4')	(15 – 15.5')	(15.5 – 16')	(19.5 – 20')
Date	1/25/2007	1/25/2007	1/25/2007	1/25/2007
Total PAHs	24 J	26 J	2.0 J	1.3 J

SB-279

Depth(Feet)	(14 – 16')	(20 – 22')	(24 – 26')	(28 – 30')
Date	3/1/2007	3/1/2007	3/1/2007	3/1/2007
Total PAHs	71	50 J	ND	ND

SB-277

Depth(Feet)	(7 – 9')	(11 – 13')	(13 – 15')	(17 – 19')
Date	2/26/2007	2/26/2007	2/26/2007	2/26/2007
Total PAHs	22 J	5.0 J	2.5 J	0.31 J

SB-263

Depth(Feet)	(7 – 9')	(9 – 11')	(11 – 13')	(15 – 17')	(17 – 19')
Date	2/28/2007	2/28/2007	2/28/2007	2/28/2007	2/28/2007
Total PAHs	11 J	27 J	450 J	9.9 J	8.2 J

SB-281

Depth(Feet)	(7 – 9')	(9 – 11')	(13 – 15')	(17 – 19')
Date	2/27/2007	2/27/2007	2/27/2007	2/27/2007
Total PAHs	11 J	36 J	20 J	4.7 J

SB-253

Depth(Feet)	(2 – 3')	(6.5 – 7')	(14 – 14.5')	(15.5 – 16')	(19.5 – 20')
Date	1/25/2007	1/25/2007	1/25/2007	1/25/2007	1/25/2007
Total PAHs	180 J	34000 J	100 J	0.30 J	0.27 J

SB-234

Depth(Feet)	(4.5 – 5')	(12 – 12.5')	(16.5 – 17')	(18 – 18.5')	(22 – 22.5')	(29.5 – 30')
Date	1/25/2007	1/25/2007	1/25/2007	1/25/2007	1/25/2007	1/25/2007
Total PAHs	96	76	19 J	32 J [25 J]	ND	ND

SB-229

Depth(Feet)	(7 – 8')	(29 – 30')
Date	3/3/2007	3/3/2007
Total PAHs	ND	ND

SB-209

Depth(Feet)	(2.5 – 3.5')	(4 – 5')	(9.4 – 10')	(11 – 13')	(19 – 20')	(22 – 23')
Date	4/28/2006	4/28/2006	1/20/2007	1/20/2007	1/20/2007	4/28/2006
Total PAHs	1.1 J	0.30 J	ND	ND	2.0 J	ND

SB-MTP-3

Depth(Feet)	(8 – 9')	(24 – 25')
Date	3/3/2007	3/3/2007
Total PAHs	ND	ND

SB-214

Depth(Feet)	(5 – 7')	(9.5 – 10')	(11 – 13')	(19 – 20')
Date	1/21/2007	1/21/2007	1/21/2007	1/21/2007
Total PAHs	13 J	0.95 J	ND	0.17 J

SB-MTP-2

Depth(Feet)	(9 – 10')	(18 – 19')	(22 – 23')	(24 – 25')
Date	2/10/2007	2/10/2007	2/10/2007	2/10/2007
Total PAHs	4.4 J	24000 J	2.0 J	1.3 J

SB-254

Depth(Feet)	(8 – 9')	(19 – 20')
Date	3/3/2007	3/3/2007
Total PAHs	ND	0.61 J

SB-221

Depth(Feet)	(2 – 4')	(6 – 8')	(9.5 – 10')	(24 – 25')
Date	1/20/2007	1/20/2007	1/20/2007	1/20/2007
Total PAHs	65 J	23 J	0.92 J	ND

SB-MTP-1

Depth(Feet)	(3 – 4')	(8 – 9')	(19 – 20')	(23 – 24')
Date	2/10/2007	2/10/2007	2/10/2007	2/10/2007
Total PAHs	7.0 J	15 J	14 J	ND

SB-222

Depth(Feet)	(1 – 3')	(7.5 – 8.5')	(15 – 17')	(19 – 20')
Date	1/21/2007	1/21/2007	1/21/2007	1/21/2007
Total PAHs	130 J	0.40 J	0.21 J	0.29 J

SB-223

Depth(Feet)	(12.5 – 13')	(17.5 – 18')	(28 – 28.5')	(32 – 32.5')
Date	10/13/2006	10/13/2006	10/13/2006	10/13/2006
Total PAHs	14 J [12 J]	0.47	1700 J	1.4 J

SB-273

Depth(Feet)	(9 – 10')	(24 – 25')	(29 – 30')
Date	3/3/2007	3/3/2007	3/3/2007
Total PAHs	91 J	ND	ND

SB-228

Depth(Feet)	(8 – 8.5')	(14 – 14.5')	(28 – 28.5')	(47 – 47.5')
Date	10/19/2006	10/19/2006	10/19/2006	10/19/2006
Total PAHs	ND	1.0 J	ND	ND

SB-224

Depth(Feet)	(8 – 8.5')	(34.5 – 35')	(37.5 – 38')
Date	10/12/2006	10/12/2006	10/12/2006
Total PAHs	21 J	3300 J	8.1 J

SB-58

Depth(ft BGS)	(10 – 11')	(11 – 12')	(21 – 22')
Date	5/2/2005	5/2/2005	5/2/2005
Total PAHs	0.15 J	12 J	ND

SB-2

Depth(ft BGS)	(1 – 1.5')	(2 – 2.5')	(5 – 7')	(13 – 15')	(19 – 20.5')
Date	5/2/2005	5/2/2005	5/6/2005	5/6/2005	5/6/2005
Total PAHs	0.59 J	1.6 J	0.21 J	ND	30 J

SB-1

Depth(ft BGS)	(5 – 5.5')
Date	5/3/2005
Total PAHs	ND

SB-1

Depth(feet)	(5 – 5.5')
Date	5/3/2005
Total PAHs	ND

SB-D

Depth(ft BGS)	(12')	(24')
Date	9/4/2008	9/4/2008
Total PAHs	0.74 J [0.71 J]	1.1 J

SB-3

Depth(ft BGS)	(3 – 3.5')	(5 – 7')	(13 – 15')	(17 – 19')
Date	4/29/2005	5/6/2005	5/6/2005	5/6/2005
Total PAHs	R	ND	0.083 J	ND

SB-4

Depth(ft BGS)	(5 – 5.5')	(7 – 9')	(9 – 13')	(17 – 19')	(19 – 21')
Date	5/3/2005	5/5/2005	5/5/2005	5/5/2005	5/5/2005
Total PAHs	0.41 J	ND	0.53 J	0.34 J	680 J

TP-1B

Depth(ft BGS)	(1 – 1.5')
Date	5/4/2005
Total PAHs	3.7 J [3.5 J]

SB-C

Depth(Feet)	(9 – 9.5')	(14')	(22')	(28 – 28.5')	(36')	(39 – 39.5')	(41 – 41.5')
Date	10/9/2008	9/8/2008	9/8/2008	10/9/2008	9/9/2008	10/9/2008	10/9/2008
Total PAHs	6.8 J	39 J	71 J	63 J	ND	150 J	0.90 J

WELL CLUSTER B

Depth(ft BGS)	(1')	(9 – 9.5')	(10')	(20')	(30 – 30.5')	(32 – 32.5')
Date	8/20/2008	10/9/2008	8/22/2008	8/22/2008	10/9/2008	10/9/2008
Total PAHs	13 J	0.14 J	11 J	41 J	120 [100]	31 J

WELL CLUSTER C

Depth(ft BGS)	(11')	(21')
Date	8/26/2008	8/26/2008
Total PAHs	1.5 J	2700

MW-5B

Depth(ft BGS)	(34 – 36')
Date	6/7/2005
Total PAHs	ND [ND]

WELL CLUSTER A

Depth(ft BGS)	(12')	(17')	(20')
Date	8/20/2008	8/21/2008	8/21/2008
Total PAHs	21 J	10 J	6.6 J

SB-A

Depth(ft BGS)	(2')	(7 – 8')	(8')	(21')	(24 – 25')	(32')
Date	9/5/2008	3/5/2007	9/5/2008	9/5/2008	3/5/2007	9/5/2008
Total PAHs	2.9 J	11 J	1.5 J	76	0.21 J	ND

SB-6

Depth(ft BGS)	(10 – 12')	(13 – 15')	(19 – 21')	(24 – 26')	(28.5 – 30.5')
Date	5/12/2005	5/12/2005	5/12/2005	5/12/2005	5/12/2005
Total PAHs	ND	11 J	ND	ND [ND]	ND

SB-280

Depth(Feet)	(5 – 7')	(7 – 9')	(20 – 22')	(28 – 30')
Date	3/1/2007	3/1/2007	3/1/2007	3/1/2007
Total PAHs	100 J	1200 J	ND	ND

WEST 20th STREET
WEST 19th STREET
WEST 18th STREET
WEST 17th STREET
WEST 16th STREET
TENTH AVENUE
MARGINAL STREET (11th AVENUE) ROUTE 9A
CHELSEA PIERS SPORTS & ENTERTAINMENT COMPLEX
CHELSEA PIERS, L.P.
HUDSON RIVER
SHORELINE CIRCA 1859 (APPROXIMATE)
CIRCA 1836 SHORELINE (APPROXIMATE)
CIRCA 1814 SHORELINE (APPROXIMATE)
FORMER MTA PIER
BULKHEAD LINE
GAS HOLDER 2
GAS HOLDER 3
GAS HOLDER 4
GAS HOLDER 5
GAS HOLDER 6
COAL STORAGE YARD
COAL YARD
LIME YARD
COAL HOUSE
LABORATORY
SCRUBBERS
WORKSHOPS
EAST 17th ST. CO. STORE YARD
691
690
689
688
687
717
715
713
712
MW/SB-213
MW-219
MW-232B
MW-233B
MW-231
MW-236B
MW-236A
MW-5B
MW-A2
MW-B2
MW-C1
MW-D
MW-A1
MW-B1
SB-A
SB-B
SB-C
SB-D

LEGEND:

- MONITORING WELL LOCATION
- SOIL BORING LOCATION
- RECOVERY WELL LOCATION
- TEST PIT LOCATION
- LOT BOUNDARY
- BLOCK ID (691)
- LOT ID (43)
- BULKHEAD
- HIGH LINE
- LIMITS OF FORMER GAS WORKS
- HISTORICAL FEATURES
- CURRENT BUILDING FOOTPRINT
- PROPERTY HAS BEEN REMEDIATED

1. SHADING INDICATES VALUE EXCEEDS 500 PARTS PER MILLION (ppm) FOR TOTAL PAHs.
2. [ ] INDICATES DUPLICATE RESULTS.

NOTE:

1. BLOCK AND LOT ID AND PROPERTY LINE FROM NEW YORK CITY DEPARTMENT OF FINANCE AUTOMATED CITY REGISTER INFORMATION SYSTEM (ACRIS).
2. SURVEY CONTROL WAS TAKEN FROM SITE WIDE BASE SURVEY PREPARED BY MUNOZ ENGINEERING, P.C. DATED APRIL 2007.
3. CURBING AND STREET BOUNDARIES TAKEN FROM MUNOZ ENGINEERING DRAWING ENTITLED MONITORING WELLS AND BORINGS LOCATION SURVEY" DATED 11/24/2008 AND TRC DRAWING ENTITLED PROPOSED REMEDIAL INVESTIGATION SAMPLE LOCATIONS" DATE UNKNOWN.
4. ALL LOCATIONS ARE APPROXIMATE.
5. HISTORICAL SHORELINES DIGITIZED FROM W BRIDGES, 1814 AND COLTON, 1836.
6. FORMER MANUFACTURED GAS PLANT (MGP) STRUCTURES ARE FROM THE CONSOLIDATED GAS COMPANY PLANT, AS SHOWN ON SANBORN MAPPING DATED 1895.
7. BORINGS WERE COMPLETED BY BBL DURING THE PRELIMINARY SITE INVESTIGATION (2002) AND PHASE II SITE INVESTIGATION (2003).
8. PAHs = POLYCYCLIC AROMATIC HYDROCARBONS.
9. SHADING INDICATES THE VALUE EXCEEDS 500 mg/Kg FOR TOTAL PAHS IN SOIL SAMPLES.
10. ALL CONCENTRATIONS ARE PRESENTED IN MILLIGRAMS PER KILOGRAM (mg/Kg) WHICH IS EQUIVALENT TO PARTS PER MILLION (ppm).
11. FIELD DUPLICATE SAMPLE RESULTS ARE PRESENTED IN BRACKETS [].
12. J = INDICATES THE PRESENCE OF A COMPOUND THAT MEETS THE IDENTIFICATION CRITERIA. THE RESULT IS LESS THAN THE QUANTITATION LIMIT BUT GREATER THAN ZERO.
13. ND = NONE DETECTED.
14. ALL SOIL ANALYTICAL RESULTS FOR TOTAL PAHs IN SOIL SAMPLES ARE REPORTED IN THIS FIGURE.

0 80' 160'
GRAPHIC SCALE

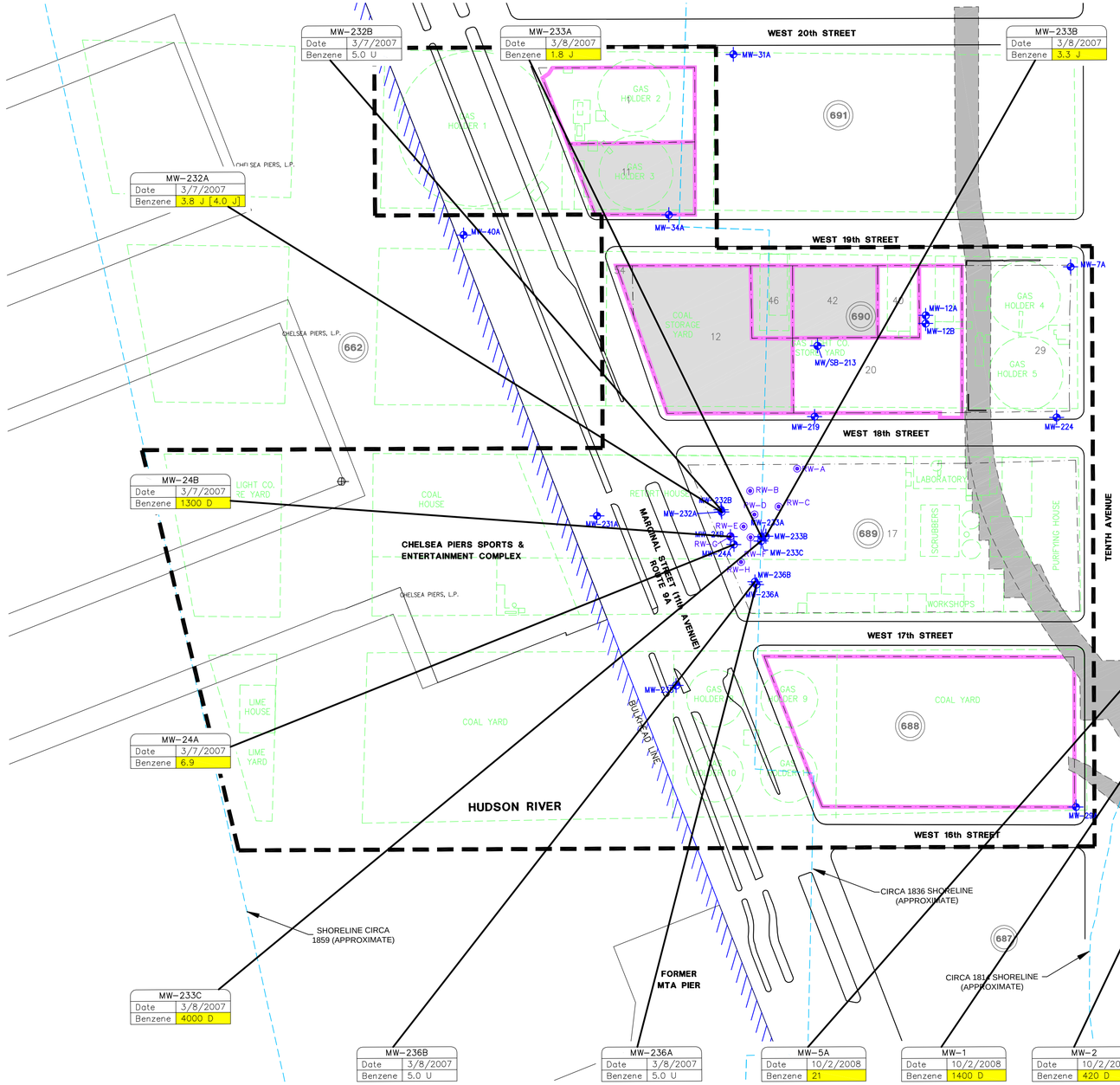
CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
WEST 18TH STREET FORMER GAS WORKS
REMEDIAL INVESTIGATION REPORT

TOTAL PAHs IN SOIL SAMPLES (mg/kg)

ARCADIS

FIGURE
13

CITY:Syracuse DIV/GROUP:Env-141 DB:A.Schilling LD:A.Schilling PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\SYRACUSE\ACTIVE\00430111000100004\DWG\RI\43011C07.DWG LAYOUT: 14SAVED: 12/23/2009 1:59 PM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLTSTYLETABLE: PLTFULL.CTB PLOTTED: 12/23/2009 4:12 PM BY: SCHILLING, ADAM
XREFS: IMAGES: PROJECTNAME: ----
43011X00
43011X03
43011X04
43011X05
43011X07
43011X06



LEGEND:

- MONITORING WELL LOCATION
- RECOVERY WELL LOCATION
- LOT BOUNDARY
- 691 BLOCK ID
- 43 LOT ID
- BULKHEAD
- HIGH LINE
- LIMITS OF FORMER GAS WORKS
- HISTORICAL FEATURES
- CURRENT BUILDING FOOTPRINT
- PROPERTY HAS BEEN REMEDIATED

WELL CLUSTER B3	
Date	10/1/2008
Benzene	4700 D [4300 D]

1. SHADING INDICATES THE VALUE EXCEEDS STANDARDS/GUIDANCE VALUE
2. [ ] INDICATES FIELD DUPLICATE RESULTS

NOTE:

1. BLOCK AND LOT ID AND PROPERTY LINE FROM NEW YORK CITY DEPARTMENT OF FINANCE AUTOMATED CITY REGISTER INFORMATION SYSTEM (ACRIS).
2. SURVEY CONTROL WAS TAKEN FROM SITE WIDE BASE SURVEY PREPARED BY MUNOZ ENGINEERING, P.C. DATED APRIL 2007.
3. CURBING AND STREET BOUNDARIES TAKEN FROM MUNOZ ENGINEERING DRAWING ENTITLED MONITORING WELLS AND BORINGS LOCATION SURVEY" DATED 11/24/2008 AND TRC DRAWING ENTITLED PROPOSED REMEDIAL INVESTIGATION SAMPLE LOCATIONS" DATE UNKNOWN.
4. ALL LOCATIONS ARE APPROXIMATE.
5. HISTORICAL SHORELINES DIGITIZED FROM W BRIDGES, 1814 AND COLTON, 1836.
6. FORMER MANUFACTURED GAS PLANT (MGP) STRUCTURES ARE FROM THE CONSOLIDATED GAS COMPANY PLANT, AS SHOWN ON SANBORN MAPPING DATED 1895.
7. BORINGS WERE COMPLETED BY BBL DURING THE PRELIMINARY SITE INVESTIGATION (2002) AND PHASE II SITE INVESTIGATION (2003).
8. SHADING INDICATES THE VALUE EXCEEDS THE STANDARD/GUIDANCE VALUE FOR BENZENE IN GROUNDWATER WHICH IS 1 ppb.
9. STANDARDS/GUIDANCE VALUES – GROUNDWATER STANDARDS/GUIDANCE VALUES FOR CLASS GA WATER AS PRESENTED IN THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TECHNICAL AND OPERATIONAL GUIDANCE SERIES DOCUMENT TITLED, "AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES AND GROUNDWATER EFFLUENT LIMITATIONS" (TOGS 1.1.1), DATED JUNE 1998, LAST REVISED JUNE 2004.
10. ALL CONCENTRAIONS ARE PRESENTED IN PARTS PER BILLION (ppb) WHICH IS EQUIVALENT TO MICROGRAMS PER LITER (ug/l).
11. FIELD DUPLICATE SAMPLE RESULTS ARE PRESENTED IN BRACKETS [].
12. J = INDICATES THE PRESENCE OF A COMPOUND THAT MEETS THE IDENTIFICATION CRITERIA. THE RESULT IS LESS THAN THE QUANTITATION LIMIT BUT GREATER THAN ZERO.
13. U = COMPOUND WAS ANALYZED FOR BUT NOT DETECTED. THE ASSOCIATED VALUE IS THE COMPOUND QUANTITATION LIMIT.
14. D= THE COMPOUND WAS FOUND AT A DILUTION FACTOR.
15. ALL GROUNDWATER ANALYTICAL RESULTS FOR BENZENE ARE REPORTED IN THIS FIGURE.

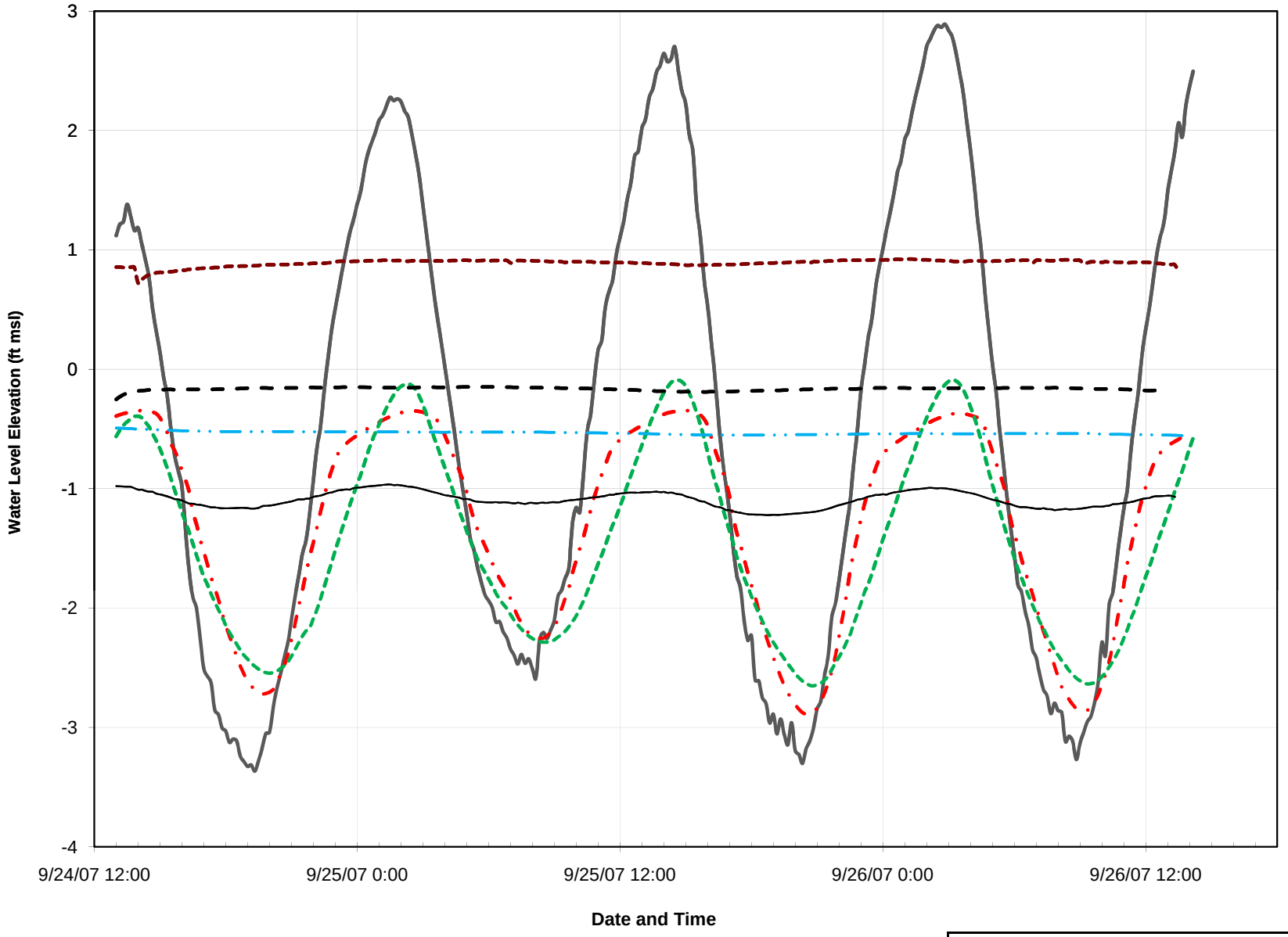
0 80' 160'
GRAPHIC SCALE

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
WEST 18TH STREET FORMER GAS WORKS
REMEDIAL INVESTIGATION REPORT

BENZENE IN GROUNDWATER (µg/L)

ARCADIS

FIGURE
14



Notes:
1) River location levels recorded at a stilling well on Chelsea Piers.
2) FILL denotes well screens the Fill Unit; SAND denote the well screens the Sand Unit.

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
WEST 18th STREET FORMER GAS WORKS
REMEDIAL INVESTIGATION REPORT

TIDAL INFLUENCE ON GROUNDWATER LEVELS

ARCADIS

FIGURE
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