Site Characterization Study Report

For the

Former East 11th Street Works

Manhattan, New York

VCA Site # V00535

Prepared For:
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EXECUTIVE SUMMARY

This report (Report) presents the results of the Site Characterization Study (SCS) that was conducted by TRC Environmental Corporation (TRC) on behalf of Consolidated Edison Company of New York, Inc. (Con Edison) for the East 11th Street Works Site (Site # V00535) in the lower east side of Manhattan - a former manufactured gas plant (MGP) that was operated by Con Edison and its predecessor companies until approximately 1933. The SCS for the properties that once comprised the grounds of East 11th Street Works (the "Site") was conducted pursuant to the terms of Voluntary Cleanup Agreement Index # D2-0003-02-08 (the VCA) between Con Edison and the New York State Department of Environmental Conservation (NYSDEC). Except as specified in this Report, the SCS field investigation activities for the Site were carried out and completed in accordance with the June 2002 Site Characterization Work Plan (SC Work Plan) that was prepared for Con Edison by Langan Engineering & Environmental Services, P.C. (Langan) and approved by the NYSDEC by letter dated November 20, 2002.

In this Report, the analytical results of the surface and subsurface soil samples that were collected as part of the SCS for the Site are summarized and compared to the Recommended Soil Cleanup Objectives (RSCOs) specified in NYSDEC Technical and Administrative Guidance Memorandum (TAGM) 4042. The analytical results of the SCS groundwater samples are compared to NYSDEC Technical and Operational Guidance Series 1.1.1 (TOGS) Class GA criteria.

The objectives of the SC field investigation activities for the Site, as stated in the NYSDEC-approved SC Work Plan, were to:

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

For purposes of this Report, the Site has been divided into two distinct areas. The reasons for bifurcating the Site in this manner include geography (i.e., Avenue D physically separates the two areas), property ownership (i.e., different third parties own the two areas), and the sequencing of the field investigation work (due to operational constraints, the SCS field investigation activities were conducted at different times). The first area, designated the "Jacob Riis" Area , is located along the east side of Avenue D between East 11th and East 14th Streets. It includes the portion of the New York City Housing Authority's (NYCHA) Jacob Riis Houses complex encompassing the high-rise apartment buildings commonly known as 170 Avenue D, 178 Avenue D, 1115 FDR Drive, 1141 FDR Drive, 1223 FDR Drive and the adjacent New York City Department of Environmental Protection Manhattan Pumping Station. The second area,

designated the "Saint Emeric's Property" Area, is located along the western side of Avenue D between East 12th and East 13th Streets. This area encompasses the grounds of Roman Catholic Church of St. Emeric, Escuela Hispania Montessori Head Start School (formerly Saint Emeric's Roman Catholic School) and the church/school's parking lot and sidewalks.

The following table summarizes the types and numbers of investigation activities that were conducted in each of the two areas:

Site Characterization Activity Description	Jacob Riis	Saint Emeric's Property
Exploratory Test trenches	15	3
Surface Soil Sample Locations	64	5
Soil Boring Locations	28	9
Monitoring Wells	4	2
Collection of NAPL Samples	2 (soil) 1 (aqueous)	0

Summary of Primary Findings - Jacob Riis

Although the SCS entailed a significant number of sampling locations within the Jacob Riis area of the Site, additional investigation is required to characterize and fully delineate the subsurface soil and groundwater contamination present there.

Petroleum and/or manufactured gas plant (MGP)-related odors were evident in samples from nineteen of the twenty-eight soil boring locations. In the samples from 17 of the soil boring locations, the predominant odor detected was MGP-related (i.e., reflecting a distinctive MGP tar character). Petroleum odors were observed in samples from six of the soil boring locations. Four locations had both petroleum and MGP-related odors present in the samples collected from them.

Sixteen of the twenty-eight soil boring locations yielded samples that contained oil-like material (OLM) and/or tar-like material (TLM). For purposes of this report, the term "OLM" is used to denote the presence of visible contamination that typically was observed interspersed among or that coated the grains of soil in a sample and that may be of a petroleum, MGP, or other source.

The term “TLM” is used to denote the presence in a soil sample of a typically black and highly viscous material with a naphthalene odor.

The northeastern portion of the Jacob Riis area (former MGP oil tank and gas holder areas) had the highest number of such observations (eleven out of sixteen), with the remaining five locations with observed OLM and/or TLM in the southeastern portion of the property. Two of the locations had OLM and/or TLM observations in both the unsaturated and saturated zones. All other observations of OLM and/or TLM were in the saturated zone only. The depths of these observations were variable, and were based upon visual inspection of the soil.

The TAGM RSCO for Total Volatile Organic Compounds (VOCs) (10 milligrams per kilogram) was exceeded in 12 of the 28 boring locations and 1 test trench location. The majority of the exceedances are located in the northern half of the property, with the northeastern portion having the greatest density and highest reported concentrations. The TAGM RSCO for Total Semi-Volatile Organic Compounds (SVOCs) (500 milligrams per kilogram) was exceeded in seven of the 28 boring locations and two of the 15 test trench locations. Spatially, the highest density of exceedances is in the northeast portion and eastern side of the property, with one location (TT-10) located in the south central area.

None of the 64 surface soil samples collected exhibited an exceedance of either the TAGM RSCO for Total VOCs, Total SVOCs, or individual VOCs (note: only the first 20 samples analyzed for VOCs). Twenty-five SVOCs were detected in surface soil samples, with 10 of them exceeding the TAGM RSCO criteria. The most prevalent was B(a)P, with all samples exceeding the criterion. Location SS-03, in the southwestern corner of 1223 FDR Drive, exhibited the highest concentrations of all of the samples (~453,000 ug/kg Total SVOCs). Five metals were detected at concentrations above their respective TAGM RSCO criteria, with the highest reported at SS-3 (2,640 milligrams per kilogram for lead). With the exception of this location, the metals detected are typical of an urban setting. There were no TAGM RSCO exceedances for PCBs and cyanide was not detected in the surface soil samples.

Four background samples were collected from Jacob Riis, three blocks south of the former works. Twenty-one SVOCs were detected in the background soil samples, with 6 of them exceeding the respective TAGM RSCO criteria. The frequency of the TAGM RSCO exceedances was 100% for four of these compounds. Four of the same 5 metals exceeded TAGM RSCO when compared to the surface soils in Jacob Riis (lead was the outlier). The levels were similar to the surface soil sample concentrations from Jacob Riis, with the exception of lead at several locations. There were no TAGM RSCO exceedances for PCBs and cyanide was not detected in the background surface soil samples. A statistical analysis (Kruskal-Wallance ANOVA on Ranks) of the data was performed and determined that the differences between the site soil and background sample results were not statistically significant.

Of the 17 VOCs detected in soil borings, seven (acetone, benzene, ethylbenzene, toluene, m/p-xylenes, o-xylene, and isopropylbenzene) exceeded their respective TAGM RSCO concentrations. Benzene had the highest frequency of exceedances (37.1 percent of the number of samples analyzed), and ethylbenzene and m/p-xylenes had the highest concentrations (1,300,000 ug/kg and 1,200,000 ug/kg, respectively) at location B-12 in the eastern portion of Jacob Riis. In test trench locations, 11 VOCs were detected, with six of the same seven constituents listed above exceeding TAGM RSCO (isopropylbenzene was the outlier). The highest frequency of exceedances and reported concentrations were for o-xylene (15.8%) and ethylbenzene (50,000 ug/kg), respectively.

Twenty-eight SVOC constituents were detected in soil boring samples, 19 of which exceeded the respective TAGM RSCO. Benzo(a)pyrene (B(a)P) exhibited the highest frequency of exceedances (82.3%), whereas naphthalene had the highest concentration (2,600,000 ug/kg in the eastern portion of the property). Many of the same constituents were detected in test pit soil samples, with 15 constituents exceeding the respective TAGM RSCO criteria. Similar to the soil borings, B(a)P had the highest frequency of exceedances (94.7%), with naphthalene exhibiting the highest concentration (310,000 ug/kg in the southern portion of the property).

There were no TAGM RSCO exceedances for PCBs in either the soil borings or test trench locations.

Metals were generally detected at a high frequency, with many TAGM RSCO exceedances. Lead was reported at a maximum concentration of 3,300 milligrams per kilogram in the subsurface soil at B-5, centrally located in Jacob Riis. Cyanide was sporadically detected in soil borings and test trench locations. There is no TAGM RSCO for cyanide. During the course of the field activities, several remnant MGP structures were believed to have been located. The remnants were located close (i.e., generally within the top 5 feet) to grade elevation.

Of the three groundwater samples collected and analyzed for metals, lead was the only inorganic constituent reported greater than the GA criteria, in monitoring well MW-2 [117 ug/l]. Low level exceedances of the GA criteria were reported in MW-2 for several SVOCs (i.e., naphthalene, 1,1-biphenyl, and acenaphthene). The duplicate sample MW-55 demonstrated a higher occurrence of TAGM RSCO exceedances, but this was not supported by the original sample results for MW-5. No explanation can be provided to support the differences in the results. Naphthalene was the highest, at 790 micrograms per liter in MW-2. VOCs were the highest in MW-2, with BTEX and isopropylbenzene present. PCBs were not detected in the groundwater samples.

One sample of non aqueous phase liquid (NAPL) was collected from MW-3 and sent to the laboratory for fingerprint analysis. The thickness of the NAPL was measured at 0.36 feet. The

sample contained a number of monocyclic aromatic hydrocarbons and naphthalene, characteristic of the water soluble fraction of tar.

Summary of Primary Findings - Saint Emeric's Property

Although the frequency and number of TAGM exceedances were fewer than on Jacob Riis, delineation of soil and groundwater contamination has not been completed.

MGP-related odors were noted in three of the soil boring locations, and petroleum-related odors (gasoline) were detected at two soil boring locations. A slight creosote-like odor was noted in one boring at 13 to 16 feet bg.

OLM was observed in one soil boring in the saturated zone. No TLM was observed in any of the soil borings.

The analytical results for all soil samples were in compliance with the TAGM RSCO for PCBs and Total SVOCs.

The TAGM RSCO for Total VOCs was exceeded at two locations. These locations are adjacent to each other, located fifteen to twenty-five feet to the west of the school building.

Individual TAGM RSCO exceedances were observed for several SVOCs, VOCs, and RCRA Metals. Statistics are summarized at the end of the analytical tables.

None of the five surface soil samples analyzed had an exceedance of the NYSDEC TAGM RSCO for individual VOCs, Total SVOCs, or PCBs. Each of the five samples reported exceedances of the individual SVOCs for four or five polycyclic aromatic hydrocarbons (PAHs), including benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, and/or B(a)P. All of the reported concentrations for these constituents in surface soil samples were within the ranges of results for background samples collected south of the Site, and were generally lower than the maximum concentrations observed in the background surface soil samples.

Xylenes were detected at the both the highest concentration (13,000 ug/kg at SB-TT-1) and frequency (32.1%) in the soil boring and exploratory test trenches, respectively. Of the twelve constituents detected, five exhibited one or more exceedances of the TAGM RSCO for unrestricted use. Benzene was reported at a low frequency of exceedances (under 5%), with the highest concentration reported at 2,100 ug/kg (SB-25). Other exceedances were reported for ethylbenzene, toluene, and o-xylene. Twelve of the same VOCs were detected in the test trenches, with 4 compounds exceeding the TAGM RSCO (benzene, acetone, m,p-xylenes, and o-xylene).

In soil borings, only 23 constituents from the SVOC list were reported above analytical detection limits, with seven constituents exhibiting an exceedance of the TAGM RSCO for unrestricted use. Naphthalene exhibited the highest concentration (21,000 ug/kg), while (B(a)P) exhibited the highest frequency of TAGM RSCO exceedances (44.4% of the samples analyzed). A similar trend is observed in exploratory test trenches, where naphthalene was reported as high as 270,000 ug/kg at TT-1, and B(a)P was observed to exceed TAGM RSCO all of the time. Twenty-one constituents were detected, and eight constituents exceeded the TAGM RSCO one or more times in this dataset.

There were no PCB TAGM RSCO exceedances in either the soil borings or test trenches. Cyanide was detected sporadically in soil borings and test trenches, with maximum reported concentrations of 77 milligrams per kilogram and 270 milligrams per kilogram, respectively.

There were several TAGM RSCO exceedances for metals in both soil borings and test trenches. The results are generally typical of an urban setting, although lead was reported as high as 32,700 milligrams per kilogram at TT-1. This soil, however, is covered with asphalt.

Soil borings and exploratory test trenches were completed inside and outside of the former Gas Holder #9. Based upon the observations at B-3 and TT-2, it appears that a concrete gas holder bottom may be present beginning at approximately 3 feet bg.

In general, the highest levels of VOCs and SVOCs were observed at location TT-1 (3 feet bg). Naphthalene and 2-Methylnaphthalene dominated the SVOCs at this location, accounting for more than 400 mg/kg when combined. The predominant VOCs at this location include xylenes and isopropylbenzene, at approximately 15 mg/kg. Although fill and rubble were observed at this location, the gas holder ring wall was not encountered. The soil boring at this location (B-TT-1) also encountered greater than TAGM RSCO for several VOCs (toluene, ethylbenzene, and xylenes) and SVOCs (naphthalene). Based upon historic maps, these locations are to the southwest of the former gas holder.

Two groundwater samples (MW-1 and MW-6) were collected. There was no measurable product in either of the wells. All SVOCs and cyanide were in compliance with the NYSDEC TOGS for GA for both wells. PCBs were not detected in these samples. There were no exceedances of the NYSDEC TOGS GA criteria for RCRA Metals, VOCs, or cyanide in MW-6. MW-1 had a reported exceedance of lead (89.2 ug/l) and several VOCs (benzene [140 ug/l], ethylbenzene [160 ug/l], toluene [6.4 ug/l], m/p-xylenes [81 ug/l], o-xylene [36 ug/l], and isopropylbenzene [54 ug/l]).

Recommendations and Conclusions

Residuals from the operation of the MGP have been identified at the East 11th Street Works site, including the Jacob Riis and St. Emeric's Church portions of the Site. MGP impacts exceed the NYSDEC RSCO in surface and subsurface soil and groundwater. Based on this conclusion, a Remedial Investigation (RI) will be conducted at the Site. A RI Work Plan will be developed to delineate the MGP impacts, and the RI Work Plan will be submitted to the NYSDEC and the NYSDOH for review and approval.

1 INTRODUCTION

This report (Report) presents the results of the Site Characterization Study (SCS) that was conducted by TRC Environmental Corporation (TRC) on behalf of Consolidated Edison Company of New York, Inc. (Con Edison) for the East 11th Street Works Site (Site # V00535) in the lower east side of Manhattan - a former manufactured gas plant (MGP) that was operated by Con Edison and its predecessor companies until approximately 1933. The SCS for the properties that once comprised the grounds of East 11th Street Works (the "Site") was conducted pursuant to the terms of Voluntary Cleanup Agreement Index # D2-0003-02-08 (the VCA) between Con Edison and the New York State Department of Environmental Conservation (NYSDEC). Except as specified in this Report, the SCS field investigation activities for the Site were carried out and completed in accordance with the June 2002 Site Characterization Work Plan (SC Work Plan) that was prepared for Con Edison by Langan Engineering & Environmental Services, P.C. (Langan) and approved by the NYSDEC by letter dated November 20, 2002.

In this Report, the analytical results of the surface and subsurface soil samples that were collected as part of the SCS for the Site are summarized and compared to the Recommended Soil Cleanup Objectives (RSCOs) specified in NYSDEC Technical and Administrative Guidance Memorandum (TAGM) 4042. The analytical results of the SCS groundwater samples are compared to NYSDEC Technical and Operational Guidance Series 1.1.1 (TOGS) Class GA criteria.

1.1 Project Background

The VCA requires Con Edison to conduct NYSDEC-approved investigations and, if necessary to protect human health and/or the environment, to conduct NYSDEC-approved remediation programs for its and its predecessor companies' former manufactured gas plant (MGP) sites and manufactured gas storage holder sites. The former East 11th Street MGP Works, hereafter referred to as the "Site", is a former manufactured gas plant the former grounds of which are now owned by third parties.

1.2 Project Objectives

The SCS Work Plan (SCSWP) was developed based on the draft MGP Research Report, East 11th Street Works, dated 3 June 2002, prepared by Langan Engineering & Environmental Services, P.C. (Langan), and on the draft NYSDEC guidelines for Site Characterization and Remedial Investigation (Draft NYSDEC Guidelines, undated).

The goals of the SCSWP were to:

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

The SCSWP specified the number, type and location of samples and the proposed sampling procedures for the SC field investigation for the former grounds of the East 11th Street Gas Works. As was originally planned, the site characterization program for the Site included:

- Completion of test pit excavations at up to twenty two locations for soil and/or waste sampling and laboratory analysis. A total of 18 exploratory test trenches were successfully completed;
- Installation of up to forty-one soil borings for soil and/or waste sampling and laboratory analysis. A total of thirty-seven soil boring locations were successfully completed;
- Installation of up to six shallow (i.e., water table) groundwater monitoring wells. Six monitoring wells were installed as planned;
- Collection of groundwater samples from each proposed groundwater monitoring well for sampling and laboratory analysis; and
- Collection and analysis of separate phase hydrocarbon (SPH) samples, if encountered, from soil samples and/or the monitoring wells for waste characterization purposes. Three samples (two soil samples and one aqueous sample) were collected for fingerprint analysis from Jacob Riis.

In addition to the samples specified in the SCSWP, 58 surface soil samples were collected from Jacob Riis and five surface soil samples were collected from the Saint Emeric's Property. The collection of surface soil samples was not included in the NYSDEC-approved SCSWP, but was added with the NYSDEC's approval during implementation of the Work Plan to provide analytical data for qualitative evaluation of potential risk exposure pathways. During the execution of the field work, several NYSDEC-approved modifications to the SCSWP were required due to field conditions encountered. These modifications are summarized in Section 3.12.

The field observations and analytical data have been interpreted and compared with applicable NYSDEC criteria to determine if a No Further Action response is applicable to this Site, or if additional investigations and/or interim remedial measures are required.

1.3 SCS Report Outline

This introductory section identifies the project background and project objectives for the East 11th Street Works SC field investigation. The remainder of this Report is organized as follows:

Section 2.0 outlines the Site Background, including a description of the Site and adjoining properties, current land use and zoning, Site history and ownership, geologic and hydrogeologic conditions, findings of previous Site investigations, and the findings of the environmental records search performed by Langan on behalf of Con Edison.

Section 3.0 provides descriptions of the key aspects of the Site Characterization Study. For the purposes of this Report, the Site has been divided into two areas. The first such area has been designated "Jacob Riis", and includes the portion of the New York City Housing Authority's (NYCHA's) Jacob Riis housing complex surrounding buildings 170 Avenue D, 178 Avenue D, 1115 FDR Drive, 1141 FDR Drive, 1223 FDR Drive and the adjacent New York City Department of Environmental Protection Manhattan Pumping Station. The second area has been designated "Saint Emeric's Property", located to the west of the Jacob Riis complex. The St. Emeric's area property includes the Roman Catholic Church of St. Emeric, the Escuela Hispania Montessori Head Start School (formerly Saint Emeric's Roman Catholic School) and the surrounding parking lot and sidewalks along Avenue D and East 12th and East 13th Street. Discussions of these two areas have been presented in component portions of the SCS Report (e.g., surface soils, soil borings, test trenches, etc.).

Section 4.0 presents site-specific geologic and hydrogeologic information, and discusses the field observations and analytical data in comparison to the applicable NYSDEC regulatory standards. Similar to Section 3, analytical data is discussed in this section by area and by component site characterization activities.

Sections 5.0 presents the conclusions and recommendations developed in consideration of the findings and observations discussed in Section 4.0.

Section 6.0 presents the references used in preparation of this SCS Report.

2 SITE BACKGROUND

A detailed Site Background was developed by Langan for Con Edison, and is presented in the 3 June 2002 MGP Research Report for the Site. The objective of that report was to present the findings of a search of available data and records for the Site with respect to both historical operations by Con Edison's predecessor companies and current Site conditions. A summary description of the information presented in the Research Report, and supplemented by additional information, is provided below. For more information, refer to Langan's 3 June 2002 MGP Research Report.

2.1 Site Description

The former East 11th Street Works was located on the Lower East Side of Manhattan (see Figure 1). Based on available Sanborn Maps and Con Edison documents, the grounds of the Works at its most developed state were located on three parcels between the north side of East 11th Street and the south side of East 13th Street. On the block bounded by the north side East 11th Street and the south side of East 12th Street, the plant grounds extended from the east side of Avenue D to the East River. On the block bounded by the north side of East 12th Street and the south side of East 13th Street, the plant grounds extended from approximately 250 feet east of Avenue C to the East River. The eastern-most portion of the site appears to overlay part of the present FDR Drive. Based on available Sanborn maps for the area in which the Site is located, the grounds of the former East 11th Street Works encompassed approximately seven acres as late as 1920.

The properties that once comprised the grounds of the East 11th Street Works are currently identified by the following Blocks and Lots on the New York City Tax Map for the Borough of Manhattan:

1) Block 367, Lot 1 – also known as 170 and 178 Avenue D. This parcel is part of the NYCHA's Jacob Riis Houses, a residential community comprised of open spaces, recreational areas, and multiple high-rise apartment buildings.

2) Block 367, Lot 25 – also known as 184 Avenue D. This parcel is the location of a New York City Department of Environmental Protection sewage pumping station.

3) Block 382, Lot 1 – also known as 3 Haven Plaza or 188 Avenue C. This parcel is the location of a high-rise apartment building known as the Haven Plaza North Co-Op Apartments.

4) Block 382, Lot 22 – also known as 740 East 13th Street. This parcel is the location of St. Emeric's Roman Catholic Church and Escuela Hispania Montessori Head Start School.

Figure 2a depicts the approximate locations of former MGP structures based upon Sanborn and other historic maps. The locations of these tax blocks and lots, as well as the current structures located on them are depicted in Figure 2b.

2.2 Current Land Use

The Site properties are currently used for open parking areas, a municipal sewage pumping station, a primary school, a church, a parking garage, residential buildings and a portion of the FDR Drive and the adjacent East River Park Promenade. There were no visible MGP remnants or MGP wastes. Visible containers were observed for other wastes include dumpsters and trash cans in the grounds around the various buildings on these properties. Photographs of the various properties and a log of each photograph were included in the Site History Report. The current owners of record of the Site properties are as follows:

Tax Block and Lot Number	Current Property Owner
Block 367, Lot 1	New York City Housing Authority 250 Broadway New York, NY 10007
Block 367, Lot 25	NYC Dept. of Environmental Protection 5917 Junction Blvd. Elmhurst, NY 11373
Block 382, Lot 1	Haven Plaza HDFC Corp. REQ 79305*101255021 First National Bank of Chicago 1 S First National Plaza Chicago, IL 60603
Block 382, Lot 22	Church of St. Emeric 740 East 13th Street New York, NY 10009

The portion of Jacob Riis Houses (located east of Avenue D on Tax Block 367) that once comprised part of the grounds of the East 11th Street Works include four 14-story and one 7-story brick residential apartment buildings. Available information from the New York City Department of Buildings indicates that there are 117 to 124 apartments in the four 14-story buildings and approximately 60 apartments in the one 7-story building. The following buildings

in this portion of Jacob Riis Houses have basements: 1223 FDR Drive, 1115 FDR Drive, and 170 Avenue D. The Jacob Riis Houses portion of the former East 11th Street Works includes landscaped areas and a play area with a basketball court, playground equipment, and several park benches in the center of the property. The four 14-story buildings are located at 170 Avenue D, 178 Avenue D, 1115 FDR Drive, and 1141 FDR Drive, and the 7-story building is located at 1223 FDR Drive. Jacob Riis Houses occupy most of the city block bounded by Avenue D, FDR Drive, East 10th Street, and East 14th Street. Also on the same block, at 184 Avenue D, is the Manhattan Pumping Station, owned by the City of New York Department of Environmental Protection, Bureau of Wastewater Treatment. The pumping station consists of a one-story brick building with parking area on the north side of the building and a vertical surge tank on the east side of the building.

The property at 740 East 13th Street includes a brick building that is the Roman Catholic Church of Saint Emeric. Just south of the church building is a Quonset Hut, constructed of corrugated metal, a one-story masonry block building, and a small shed. Near the corner of East 12th Street and Avenue D is the Escuela Hispania Montessori Head Start School, a two-story brick building that is a primary school with an estimated 250 students. To the north of the school is an asphalt parking lot with a recently constructed play area. The parking lot may also be used as a play area for students. The school and the parking lot are enclosed by a chain-link fence.

To the west of the Church, located on the same block, but divided by an alleyway, is a residential apartment building belonging to the Haven Plaza North Co-Op apartments. The building within the former MGP site boundary is 726 East 13th Street (No. 3 Haven Plaza), a 15- story brick building that has approximately 126 apartments. Attached to the building is a one-story brick garage. The 1976 Sanborn Map indicates a basement in the garage. Along the north side of the garage is a two- story brick building 700-722 East 13th Street with approximately 22 apartments.

2.3 Site Zoning and Building Classes

The Site is located in the lower east side of Manhattan in an area that is zoned by the New York City Department of City Planning for residential use. The City's zoning code for the properties that comprise the Site is R7-2. This code designates a General Residence District – all types of residential buildings, with appropriate standards for each district on density, open space, and spacing of buildings.

The building classes as listed on the New York City Tax Assessment website are summarized as follows:

Tax Block and Lot Number	Building Class and Description
Block 367, Lot 1	D3 – Elevator apartment; fireproof without stores
Block 367, Lot 25	U9 – Misc. utility property
Block 382, Lot 1	D9 – Elevator apartment; misc.
Block 382, Lot 22	M1 – Church, synagogue, chapel

2.4 Adjoining Properties Description

The surrounding land use is residential and commercial in nature, with the exception of one utility property, described by geographic direction from the Site as follows:

Properties to the North

To the north, are East 13th Street and the Con Edison East 14th Street Steam and Electric Generating Station along the north side of East 13th Street. The extent of this Con Edison facility continues north to East 16th Street.

Properties to the East

To the east are the FDR Drive, the East River Park Promenade and the East River. A portion of the shoreline along the east side of the East River Park Promenade is listed in the National Wetland Inventory, according to a data base search obtained from EDR, Inc.

Properties to the South

To the south of the western portion of the Site (Tax Block 382, south of East 13th Street and west of Avenue D), are Szold Place, a portion of the Haven Plaza North Co-Op Apartments complex the Franklin Delano School (Public School Number 34) on the south side of East 12th Street. There is an asphalt playground with a basketball court, and playground equipment on the south side of the school building.

To the south of the eastern portion of the Site (Tax Block 367, east of Avenue D) are additional units of the Jacob Riis Houses as far south as East 10th Street.

Properties to the West

To the west of the Site is the Haven Plaza North Co-Op Apartments complex. These buildings vary from 2 to 26 stories in height and are surrounded by driveways and walkways, and some landscaped areas. There is a one-story brick parking garage located to the east of No. 1 Haven Plaza North and to the south of the apartment building at 700-722 East 13th Street. This garage may have underground parking levels. Various retail stores are located on the east side of Avenue C (also known as Loisaida Avenue) immediately adjacent to the No. 2 Haven Plaza North building. There are apartment buildings located along the west side of Avenue C.

2.5 Site History, Process Operations and Uses

2.5.1 Site History

Site history was previously evaluated through a review of information obtained from the following sources: Con Edison's internal files, a chain-of-title search, Brown's Directories, Public Service Commission Reports, and Sanborn Fire Insurance Maps. The MGP Research Report for the Site contains more details regarding the Site history, and is incorporated herein by reference.

2.5.2 MGP Process Description

The following is a summary of past Site operations based on a review of the source materials identified below and other historical references listed in the MGP Research Report.

Based on the historical information, the East 11th Street Works began operating sometime between 1859 and 1868, and was retired around 1933. The available historical information on the East 11th Street Works indicates that this Site was both a gas manufacturing and a gas storage facility, as indicated by the structures shown on the Sanborn maps and other historical maps reviewed for the Site. The Sanborn maps provide the footprints of gas manufacturing facilities (purifying houses, a meter house, condenser houses, engine rooms, a retort house, separators, scrubbers and a generator house) as well as the various gas holders, oil storage tanks, and storage areas (store rooms and the coal shed).

The gas manufacturing process, type of holders or status of use cannot be determined with certainty from the Sanborn maps. It is assumed that the Coal Carbonization Process was used from start up of the Works until at least 1875, since this was the process used almost exclusively in the industry from 1816 to 1875 (*Manufactured Gas Plants: The Environmental Legacy*, November 1999, Fisher, Schmitter and Lane). The Lowe Carbureted Water Gas process, invented in 1873, came into use in the industry after 1875, but not at the Site with any certainty until 1903. Based on information from the PSC report of 1907 and Collins (1915), gas manufacturing via the Lowe process began at the Site in December 1903 and was used exclusively until at least December 31, 1905, and possibly as late as 1915. The historical information reviewed does not indicate the gas manufacturing process used after this time until the Works were retired in 1933. By 1907, the process consumed approximately 40,000 tons of coal for the making of steam, 10,000,000 gallons of gas oil and 22,000 bushels of oxide for gas purification (PSC 1907 Annual Report). In 1915, the MGP produced 2.08 billion cubic feet of gas (Brown's Directory - cited 1915).

The only waste storage area indicated on the Sanborn maps (1903 and 1920) is the ”Ash Dump” on the south side of the East 13th Street right-of-way about 200 feet east of Avenue D. There is no other available information regarding the “Ash Dump”.

Other typical MGP wastes that may have remained on the Site include tars, purifier wastes (wood or other solids), clinkers (consolidated ash-like material), condensates (liquids), and oils. There is no available information on the East 11th Gas Street Works of how these wastes might have been managed, stored or disposed of, either on-Site or off-Site. There may have been drip pots located at the base of the gas holders where condensates may have accumulated, but there is no indication of such features on the Sanborn maps.

2.6 Previous Investigations

As reported in the Site History Report, there were no previous records on the environmental conditions of the East 11th Street Works.

A previous report for a geotechnical investigation performed nearby at a proposed Con Edison Service Center was reviewed during preparation of the SCS Work Plan. The property is located at the FDR Drive between East 15th Street and East 16th Street. Subsurface conditions observed in the vicinity of the Site are described in Section 2.10, Regional Geology/Hydrogeology.

2.7 Environmental Records Search

A summary of environmental records search findings performed by Langan for Con Edison is included in the MGP Research Report. Environmental records obtained and reviewed included Sanborn maps, other historical maps, an environmental database search conducted by EDR, and requests for information submitted to various regulatory agencies under the Freedom of Information Act. Twenty-four spills within approximately one-half mile of the Site were reported in the Leaking Storage Tank Incident Reports (LTANKS) section of the environmental database search. The location of and distance/direction from the Site the LTANKS are as follows:

Equal/Higher Elevation	Address	Distance (mile)/Direction from the Site
13th St Substation	723 E 13th St	0-1/8 S
East River Generating Station	801 E 14th St	0-1/8 ESE
East River S. Steam Station	801 E 14th St	0-1/8 ESE
East River Generator Station	801 E 14th St	0-1/8 ESE
East River Tank Farm	801 E 14th St	0-1/8 ESE
East River Generator Station	801 E 14th St	0-1/8 ESE
624 East 11th Street	624 E 11th St	1/8-1/4 W
Apartment Building	748 E 9th St	1/8-1/4 SSW
536 E 12th Street	536 E 12th St	1/4–1/2 WNW

Equal/Higher Elevation	Address	Distance (mile)/Direction from the Site
275 North 8th Street/Our Lady	275 North 8th St	1/4–1/2 WSW
262 East 7th Street	262 E 7th St	1/4–1/2 SSW
504 East 14th Street	504 E 14th St	1/4–1/2 WNW
520 East 11th Street	520 E 11th St	1/4–1/2 W
600 East 6th Street	600 E 6th St	1/4–1/2 WSW
Riis Houses	819 FDR Drive	1/4–1/2 S
Riis Houses	819 FDR Drive	1/4–1/2 S
Riis Houses	819 FDR Drive	1/4–1/2 S
Fabria Houses	426 E 11th St	1/4–1/2 WNW
333 East 4th Street	333 E 4th St	1/4–1/2 SSW
324 East 4th Street	324 E 4th St	1/4–1/2 SSW
260 East 10th Street	260 E 10th	1/4–1/2 W
Beth Israel-1st Ave & 15th St	1st Ave/15th St	1/4–1/2 NW
J. Paluliw	433 E 9th St	1/4–1/2 W
PS 19-M	185 1st Ave	1/4–1/2 WNW

Additional information on spills and releases is presented in the Site History Report.

2.8 Sanborn Maps and Historical Maps

Detailed interpretation of the available Sanborn Insurance Maps and historical maps is presented in the MGP Research Report, and the reader is referred to that document for further details. The SCSWP site maps were created by superimposing the historical maps and Sanborn Insurance Maps atop maps depicting present features. By combining these maps, the approximate locations of the former MGP structures were able to be displayed relative to the existing structures at both Jacob Riis and St. Emeric's properties.

2.9 Regional Geology/Hydrogeology

A U.S.G.S Quadrangle Map indicating the location of the Site is included as Figure 1. The portion of the Site west of Avenue D exhibits minor topographic relief while the area east of Avenue D is relatively flat. Elevations at the Site range from less than 10 feet (east and immediately west of Avenue D) to more than 20 feet (near the western Site boundary) above Mean Sea Level (MSL).

Where the Site has not been disturbed by anthropogenic activities, it is underlain by Pleistocene-age glacial sediments deposited as outwash (Perlmutter and Arnow, 1953). These sediments consist of well sorted interbedded gravel, sand, silt, and clay strata. Bedrock, classified as the Ravenswood Formation (Baskerville, 1990), is present approximately 90 to100 feet below ground surface (ft bgs) at the Site (Office of the President, Borough of Manhattan Topographical Bureau, 1944). The Ravenswood Formation is a metamorphic rock of Ordovician age and is composed of granodiorite and banded gneiss with highly variable mineralogy (Baskerville, 1990). The Site is situated approximately 1,000 feet east of the eastern Cameron's Line thrust fault. Bedrock in the vicinity of the Site has been mapped as dipping steeply (45 degrees) approximately north-northwest.

In 1999, Langan performed a subsurface investigation and geotechnical engineering study for the proposed Con Edison Service Center. The proposed Service Center was located three blocks due north of the Site, on the FDR Drive between East 15th and East 16th Streets. The geotechnical field investigation conducted by Langan included the drilling of fifteen test borings within the proposed Service Center building footprint. The following geologic descriptions have been excerpted from the Langan report for the Con Edison Service Center property as indicative of regional conditions. Site-specific geologic interpretations are discussed in Section 4.

The Service Center site is underlain by a 15-foot thick layer of fill material followed by five feet of soft organic river sediments, 80 to 90 feet of fine to medium sands with silt and clay pockets, and finally Manhattan Schist bedrock located approximately 100 feet below the exiting grade. The Service Center site was originally part of the East River with the historic shoreline located approximately 1,000 feet to the southwest of the existing waterfront. As such, the area has undergone extensive filling activities to reclaim the land to the existing elevations. Historic filling along waterfront areas was generally carried out as uncontrolled bulk fills consisting of a wide variety of materials including construction debris, organic matter, waste products, spoils from adjacent construction sites, and miscellaneous debris. Therefore, the constituents and in-situ condition of these materials are highly variable.

An approximately 14 to 20-foot thick layer of miscellaneous fill was encountered below the existing asphalt and gravel layer. The fill layer, composed primarily sand, gravel, silt, wood, bricks, concrete, cinders, metal, etc., was encountered in each of the borings. A stratum of natural alluvial clay and silt with sand was observed beneath the fill material. In general, the stratum is composed of black, very loose/soft layers of sand, silt and/or clay with organic material that was deposited by the East River in the geologic past. The structure of the deposits can be described as varved, with thin layers of the various materials observed. Within the upper zones of the stratum, miscellaneous fill material such as brick, metal, leather, etc. was observed within the samples. The alluvial stratum generally extended from approximately 14 feet below the existing ground surface to approximately 25 feet below the surface.

Underlying the fill and alluvial deposits were strata of layered glacial soils, encountered in all the borings. The glacial soils were predominantly comprised of fine and silty sands with gravelly zones and seams of silt and/or clay. The thickness ranged from about 60 feet to 80 feet, with an average of about 70 feet.

Brown to gray silt and clay with varying amounts of fine sand was encountered beneath the organic material in the borings located along the eastern portion of the site. This material was also found in several of the deeper borings.

Based on previous reports, regionally groundwater is between approximately 5 and 15 feet bgs. The NYSDEC groundwater classification is GA (fresh groundwater). Groundwater in both the unconsolidated deposits and the bedrock is expected to flow approximately east-southeast toward, and discharge into, the East River. Groundwater flow in the overburden may, however, be influenced locally by the presence of underground manmade structures (pipes, foundations, etc.).

The EDR report, which was reviewed as part of the MGP Research Report, noted the potential presence of one public supply well located (no address specified) approximately 1/2 mile northwest (upgradient) of the Site in the federal database records, but not in the state database records for well information. The existence of this well has not been confirmed. Given the approximate location of this well with respect to the location of the Site, the distance from the Site and the direction of groundwater flow, it is unlikely that potential contaminants are migrating from the Site to this well. Langan has contacted various city and state agencies regarding the exact address for and status of this upgradient well, but none of these agencies have been able to provide this information. The agencies contacted include NYCDEP (Water & Sewer Dept.), NYC Office of Public Affairs, NYC Department of Environmental Engineering, NYCDOH and NYSDEC.

The East River is a saline estuary that is located to the east of the Site. These waters have been classified as Class I saline surface waters by NYSDEC. This river is used for ships and pleasure craft traveling between the Harlem River, Long Island Sound and the upper bay of New York Harbor. This portion of the river is not designated for recreational use (e.g. swimming).

3 SUMMARY OF SITE CHARACTERIZATION STUDY ACTIVITIES

For purposes of this Report, the Site is divided into two geographic areas, Jacob Riis and St. Emeric's. The Reasons for the bifurcating the Site include geography (i.e., Avenue D physically separates the two areas), property ownership (i.e., different third party owners in each area), and the sequencing of the work (the SC field investigation was conducted between March 2004 and December 2004 for Jacob Riis while the SC field investigation activities were conducted during August 2004, for the Saint Emeric's property).

Discussions of the preparatory activities, activities conducted by others, and completed site characterization activities (e.g., soil borings, exploratory test trenches, surface soils, monitoring wells, etc.) for each geographic area of the Site are presented in the following sections.

3.1 Access Agreements and Permits

Con Edison negotiated access agreements with the property owners prior to the commencement of work. Con Edison also prepared a Fact Sheet for members of the community, and also participated in community meetings prior to the commencement of the Site Characterization Study.

Based upon the final selection of sampling locations, sidewalk opening permits were obtained from the New York City Department of Transportation. No other permits were required for this project.

3.2 Indoor Air Quality and Soil Gas Studies

Prior to the site characterization study, the RETEC Group (RETEC) conducted two sampling events (August 2002 and December 2002) for Con Edison at the Saint Emeric's School, now the Escuela Hispania Montessori Head Start School, on the Saint Emeric area property.

RETEC also conducted an indoor air quality and soil gas sampling event in October of 2003 for Con Edison at the Jacob Riis area property. Summa canisters were used to collect the samples in all events. The results of these investigations are discussed in Section 4. Results of these studies are discussed briefly in Section 4 of this Report and are presented in a separate report that has been submitted to the NYSDEC.

3.3 Underground Utility Clearance

Prior to initiation of intrusive investigation activities, sample locations were cleared in accordance with Con Edison's established utility clearance procedures. Due to the highly developed nature of the Site and a review of available utility plates, subsurface utilities including

natural gas, electric, and steam lines, telephone lines as well as fiber optic cables, water lines, and sewers, were located. The New York City "One Call" organization was contacted to complete utility mark outs in accordance with Code 753, a minimum of five working days prior to start of the fieldwork. Renewal calls were made in accordance with the timeframes allowed in the regulations.

A geophysical survey was also conducted using ground penetrating radar, electromagnetic conductivity, a magnetometer, and a pipe locator within an approximate 10-foot radius of each of the proposed sample locations (whenever possible). Manholes and other utility boxes (e.g., gas valve box) were opened and inspected in order to confirm or ascertain the depth to and orientation of the subsurface utilities. This non-intrusive investigation provided an added level of assurance with respect to confirming utilities marked out by the New York City One Call group, or to identify anomalous areas where private utilities or other unknowns may be present.

As an additional precaution to ensure worker safety and to prevent damage to potential subsurface utilities, proposed boring and test trench locations were cleared by non-mechanical means (e.g., hand digging, and vacuum extraction). Soil was excavated, typically to a minimum of five feet below grade, by non-mechanical means to physically confirm the presence/absence of subsurface utilities at each of the proposed boring locations. If proposed sample locations were determined to be too close to subsurface utilities to safely conduct the field investigations, the location was moved to another area to achieve the same investigative objective. Concrete and asphalt materials were saw cut prior to excavation. Soil excavated from the pilot holes was stored on plastic poly sheeting adjacent to the area and then used as backfill. Temporary repairs using asphalt cold patch or concrete were made as a means to secure the openings until in-kind, final repairs to the surface could be made.

3.4 Community Air Monitoring

The site-specific Health and Safety Plan for the SC field investigation includes a Community Air Monitoring Program (CAMP) that was implemented during all ground intrusive activities. Community air monitoring was conducted using real-time, hand-held monitoring instruments (Mini-RAE photoionization detector for volatile organic compounds and MIE DataRam for particulates). Two sets of air monitoring equipment were calibrated daily and set up at upwind and downwind stations near each invasive activity. If concurrent invasive activities were in close proximity, the two stations were sufficient to monitor the ambient air. If the invasive activities were distant, two sets of equipment were utilized for each activity.

3.5 Analytical Parameter Selection and Sample Analyses

The selection of analytical parameters for the samples from the SC field investigation was based upon findings at other former gas works sites, knowledge of MGP processes, and current site activities. Although the predominant compounds of interest at MGP sites are subsets of the analyses conducted for this project (e.g., BTEX and PAHs are subsets of the VOC and SVOC fractions, respectively), Con Edison elected to perform the more comprehensive analyses during this initial phase of site characterization. All samples collected from the Site were sent to Chemtech Laboratories in Mountainside, New Jersey. All soil and groundwater samples collected from soil borings, test trenches and monitoring wells and all of the background surface soils were analyzed for target compound list (TCL) volatile organic compounds (VOCs), TCL semi-volatile organic compounds (SVOCs), RCRA metals, polychlorinated biphenyls (PCBs), and total cyanide. All qualitative assurance/quality control data (QA/QC) samples associated with these soil and groundwater samples were also analyzed for VOCs, SVOCs, RCRA metals, PCBs and total cyanide.

Surface soil samples were added to the site characterization activities in order to determine if the former gas works had impacted uncovered surface soils at the Site and to provide data to assess potential exposure pathways. Background surface soil samples were also added to the program to establish the concentrations of compounds that may have originated from sources other than the former gas works site (e.g., airborne emissions from cars, fossil fuel-fired heating equipment, atmospheric deposition, urban fill, etc.). The background surface soil concentrations provide a basis to which comparisons can be made relative to the potential impacts from the former gas works operations on near surface soils.

Surface soil samples collected from St. Emeric's and the first set of twenty surface soil samples collected from Jacob Riis were analyzed for TCL VOCs, TCL SVOCS, RCRA Metals, PCBs, and Total Cyanide. QA/QC samples collected during these sampling events were analyzed for VOCs, SVOCs, RCRA metals, PCBs and total cyanide. Based upon the analytical results and lack of TAGM RSCO exceedances for VOCs in the surface soil samples collected at Jacob Riis, the second set of twenty surface soil samples and the third set of eighteen surface soil samples from the Jacob Riis area were analyzed for TCL SVOCs only. QA/QC samples for the second and third sets of surface soil samples at Jacob Riis were analyzed for SVOCs only.

3.6 Jacob Riis

A summary of the site characterization study program implemented at Jacob Riis is presented in Table 3-1.

3.6.1 Exploratory Test Trench Excavation, Sampling and Analysis

Exploratory test trenches were used to locate and investigate remnant MGP structures. The primary objectives of the exploratory test trenches were to visually inspect and determine the presence or absence of historic MGP features, such as ring wall structures of former gasholders or the foundations of supporting operational buildings, to identify the presence of MGP-related impacts (such as the presence of non-aqueous phase liquids), and to evaluate subsurface conditions in the vicinity of these structures. Fifteen exploratory test trenches (TT-3, TT-4, TT-5, TT-8, TT-9, TT-10, TT-13, TT-14, TT-15, TT-16, TT-17, TT-18, TT-19, TT-21 and TT-22) were completed on the Jacob Riis area property. The test trench locations are depicted on Figure 3. Twenty-three soil samples (excluding QA/QC) were collected for chemical analysis.

Exploratory test trenches were initially excavated using a backhoe with a qualified OSHA-certified operator. Concrete and asphalt surfaces were saw-cut prior to the excavations. Using a bucket attachment on the backhoe, soils were removed in lifts of one to two feet at a time to accurately correlate the soils brought to the surface with the depth from which they were obtained. During excavation of test trenches TT-14 and TT-16, unmarked subsurface utilities and pipes were encountered. Due to the presence of unidentifiable subsurface utilities in these test trenches, Con Edison modified the excavation program and replaced the backhoe with a vacuum extraction devise called a mini-vactron and reduced the area dimensions of the remaining test trenches. Con Edison also deleted planned exploratory test trenches TT-6, TT-7, TT-12 and TT-20 due to safety considerations. Test trench locations TT-3, TT-4, TT-9 and TT-17 were offset from the original locations due either to refusal at shallow depth during utility clearance or subsurface utility obstructions located during the utility mark out.

Exploratory test trenches were left open only for the amount of time needed to log and photo-document conditions within the test trench (i.e., sidewalls, presence of ring wall, foundation construction etc.), to physically inspect the excavated materials, screen with a PID, and to collect samples for laboratory analysis. All excavated materials were returned to the test trench and compacted with the backhoe bucket. Temporary patching was installed where necessary to minimize contact with the soil, until such time that the final restoration to the surface could be made.

3.6.2 Surface Soil Sampling and Analysis

Fifty-eight surface soil samples (excluding QA/QC) were collected in three stages from unpaved areas around the various residential units within the Jacob Riis area property and inside the basement of one apartment building (1223 FDR Drive) in this area. The first set collected included 20 surface soil samples. Based upon the analytical results and lack of TAGM RSCO exceedances for VOCs, the second set of twenty surface soil samples were analyzed for TCL

SVOCs only. In December 2004, eighteen additional samples (excluding QA/QC) were collected in the areas of SS-3, SS-17, SS-29, and in the basement of 1223 FDR Drive. Additional surface soil sample locations are depicted in Figure 2. Surface soil samples were collected from zero to two inches below the vegetative cover using a decontaminated hand trowel.

Four background surface soils were collected from the Jacob Riis Housing Development, three blocks south of the former gas works. Refer to Figure 2 for the sample locations. The background samples were collected to establish background surface soil concentrations for the project.

3.6.3 Soil Boring Installation, Sampling and Analysis

A total of twenty-eight soil boring locations (B-4, B-5, B-6, B-7, B-8, B-10, B-11, B-12, B-13, B-14, B-15, B-16, B-17, B-19, B-21, B-22, B-23, B-27, B-32, B-33, B-34, B-35, B-37, B-38, B-39, B-41, B-45, and B-46) were completed on the Jacob Riis property. Soil borings were attempted at additional locations, but could not be completed due to subsurface obstructions, refusal of the drilling equipment and safety considerations. All of these locations are depicted in Figure 2. A total 105 soil samples (excluding QA/QC) were collected for chemical analysis.

The following boring locations were abandoned due to subsurface obstructions and safety considerations; B-9 (subsurface utilities located in two different attempts), B-28 (flat concrete surface at 6-inches bgs indicated presence of subsurface utility), B-29 (subsurface utilities located in two different attempts), B-30 (too many utilities to attempt location), B-31 (potential subsurface obstructions and/or utilities) and B-36 (several inches thick, large slate road bed at two feet bgs).

Two supplemental soil borings were added into the soil boring program. Soil boring B-45 was added to further delineate the subsurface conditions in the northeastern corner of Jacob Riis area property due to shallow refusal in nearby soil boring B-8. Soil boring B-46 was added within the inferred footprint of Former Gas Holder No. 8 because of shallow auger refusal due to wood timbers in soil boring B-13.

The majority of the drilling was performed using a truck-mounted Hollow Stem Auger (HSA) rig. Except for soil boring B-35, all locations inaccessible to the truck-mounted rig were drilled using a track rig. Soil boring B-35 was inaccessible to a drill rig due to its location in the basement of Building #1225. Instead, the soil boring was completed using a jackhammer to directly pound the split-spoon samplers into the dirt floor of the basement.

During vactron utility clearance activities, soil samples were obtained using a decontaminated steel spoon or hand auger to scrape undisturbed soil from the sidewall of the boring. During drilling, soil samples were obtained using a standard two-inch diameter split-spoon sampler in

accordance with the Standard Penetration Test (SPT) Method (ASTM D-1586). Drilling soil boring SB-35 in the basement of the Jacob Riis Housing complex apartment building 1223 was performed using a jackhammer that pounded two-foot long, three-inch diameter sampling spoons down into the subsurface.

Soils were continuously sampled from ground surface (the upper five feet (approximate) were completed during vactron utility clearance) to the final boring depth. The retrieved soil was characterized by the field geologist for physical properties, including lithology, grain size, and moisture content, and for physical evidence of contamination including staining, sheen, light non-aqueous phase liquid (LNAPL), dense non-aqueous phase liquid (DNAPL), and/or odors. Each sample was also field screened for VOCs immediately upon opening the sampler, with an organic vapor analyzer equipped with a PID. Soil was classified in accordance with the Unified Soil Classification System (USCS). Each soil boring was logged and samples were collected in accordance with the procedures outlined in the SC Work Plan.

Based on field screening of the soil cores, from one to five soil samples were collected from each soil boring location, using the following sampling strategy:

(1) From the six-inch interval within the vadose zone that exhibited the strongest evidence of contamination (if any), such as staining, sheen, odors, elevated VOCs based on PID readings, etc.;
(2) At the soil/water table interface;
(3) From the 6-inch interval within the saturated zone that exhibited the strongest evidence of contamination (if any), such as staining, sheen, odors, elevated VOCs based on PID readings, etc.;
(4) From the 6-inch interval above the top of the first low permeability unit encountered (if any) in the soil boring; and/or
(5) In borings where contamination was apparent based upon field observations, from a 6-inch interval of apparently clean material below contaminated soil (to provide data for vertical delineation).

For all of the borings installed at St. Emeric's, the sampling strategy in the original work plan was modified to collect an additional sample at the bottom of each boring. Additional samples were collected at Con Edison's discretion to provide additional data in determining the horizontal and vertical extent of impacts.

One of the goals of SC field investigation was to collect samples in a "clean zone" below impacted media. Oil-like and/or tar-like material was observed in several of the soil borings. As the hollow stem augers were advanced, split spoon samplers passed through the water and "wash" that entered into the auger flights. When the split spoons were retrieved, the field

geologist noted that the oil-like and/or tar-like material was present on both the outer and inner surfaces of the split spoon. Inspection of the soil in the split spoon indicated that the core of the deeper clay zones did not appear to be impacted by the OLM and/or TLM. However, since there was evidence of smearing on the inside of the split spoon, it was believed that a representative soil sample could not be taken. Therefore, in certain borings, a sample of clean material below the contaminated zone(s) could not be obtained to provide the data for vertical delineation.

3.6.4 Monitoring Well Installation and Development

Four monitoring wells were installed at soil boring locations B-5/MW-2, B-11/MW-3, B-39/MW-4, and B-23/MW-5. To accommodate each of these overburden aquifer monitoring well installations, a soil boring was first completed using a HSA drill rig with 4.25-inch inside diameter (ID) augers. Drilling extended to a depth of up to approximately 25 feet below grade, or upon encountering the first low permeability unit. Each well was constructed with two-inch, inside diameter (ID), threaded, flush-joint, PVC casing and a 15-foot screen with 0.02-inch slot openings and a two-foot sump at the base. The wells were set with the screen interval straddling the depth at which groundwater was encountered while drilling the borings.

The annulus around the screens and up to one foot above the screens was backfilled with Morie No. 1 silica sand. The annular space remaining above the sand was first backfilled with a hydrated bentonite pellet seal with a minimum thickness of one foot above the sand and then grouted from the top of the bentonite seal to grade. The grout was allowed to set for a minimum of 24 hours before the wells were developed. Construction details of the monitoring wells are provided in Appendix A.

During setup of the drill rig at each location, a polyethylene plastic liner was placed under the working platform of the drill rig to contain any potential spills and drips resulting from equipment failure or leaks of motor oil, hydraulic fluid, and/or diesel fuel. Soil cuttings generated during drilling were placed in DOT-approved 55-gallon drums and handled as described in Section 3.3 of the Field Sampling Plan.

After waiting a minimum of 24 hours after well installation, new monitoring wells were developed using surging and pumping techniques. The wells were pumped with a whaler pump and polyethylene tubing at low flows to minimize the volume of development water generated, while also ensuring sufficient development to achieve the target water quality. Properly decontaminated and/or dedicated equipment was used during development. Prior to development, the wells were checked for LNAPL and/or DNAPL. Under the SC Work Plan, groundwater samples were not to be collected from wells with an accumulation of LNAPL and/or DNAPL of greater than 1/16 inch. No wells contained greater than 1/16 inch of LNAPL and/or DNAPL prior to well development.

Well development was continued until a minimum of three well volumes were evacuated from the well and the discharge water was reasonably free of visible sediment or the field parameters had stabilized. Development was continued and for a maximum of two hours in an effort to achieve turbidity measurements below the NYSDEC goal of 50 Nephelometric Turbidity Units (NTUs). The well development observations and field measurements were recorded in the field logbook.

Field parameters that were monitored during well development included temperature, pH, conductivity, dissolved oxygen (DO), oxidation-reduction potential (ORP), and turbidity. Parameters were considered stabilized upon successive readings for temperature within 0.1ºC, pH levels within 0.1 standard unit (S.U.), conductivity levels within 5 percent, and turbidity levels within 10 percent (for values greater than 1 NTU).

Drill cuttings, well development water and purge water were containerized in closed-topped 55-gallon Department of Transportation (DOT)-approved drums. The drums and waste were managed in accordance with applicable laws and regulations.

3.7 Saint Emeric's Property

A summary of the site characterization study program implemented at Saint Emeric's is presented in Table 3-2.

3.7.1 Exploratory Test Trench Excavation, Sampling and Analysis

Three exploratory test trenches (TT-1, TT-2 and TT-11) were completed on the Saint Emeric's property. Six soil samples (excluding QA/QC) were collected for chemical analysis. All soil samples were analyzed for TCL VOCs, TCL SVOCS, RCRA Metals, PCBs, and Total Cyanide.

Test trenches TT-1 and TT-2 were excavated using a backhoe with a qualified OSHA HAZWOPER-certified operator. Concrete and asphalt surfaces were saw cut prior to the excavations. Using a bucket attachment on the backhoe, soils were removed in lifts of one to two feet at a time to accurately correlate the soils brought to the surface with the depth from which they were obtained. Due to access constraints, workspace, test trench TT-11 was excavated using a mini-vactron to vacuum out the soil material instead of using a backhoe.

3.7.2 Surface Soil Sampling and Analysis

Five surface soil samples were collected in unpaved areas in the vicinity of the Quonset Hut on the Saint Emeric's property. All soil samples were analyzed for TCL VOCs, TCL SVOCS, RCRA Metals, PCBs, and Total Cyanide. Surface soil samples were collected from zero to two inches below the vegetative cover using a decontaminated hand trowel.

3.7.3 Soil Boring Installation, Sampling and Analysis

A total of nine soil boring locations (B-2, B-3, B-24, B-25, B-26, B-40, B-40A, B-56, and B-TT-1) were completed on the Saint Emeric's property, and one soil boring (B-1) was completed on East 13th Street, west of the Saint Emeric's Church. Three of these borings were added to the original program. B-40A was added in the basement of the school building due to shallow refusal at B-40. Soil boring location B-TT-1 was completed in test trench TT-1 to provide additional vertical delineation data. Soil boring location B-56 was added to the south and east of B-25 and B-TT-1 to also provide further horizontal and vertical delineation data based upon field observations. Soil borings were attempted at additional locations, but could not be completed due to subsurface obstructions and/or because, refusal was encountered by the drilling equipment. Twenty eight soil samples (excluding QA/QC) were collected for chemical analysis. All soil samples were analyzed for TCL VOCs, TCL SVOCS, RCRA Metals, PCBs, and Total Cyanide.

3.7.4 Monitoring Well Installation and Development

Two monitoring wells, MW-1 and MW-6 were installed at soil boring locations B-25 and B-2, respectively. Two groundwater samples (excluding QA/QC) were collected for chemical analysis. Well installation and development procedures for MW-1 and MW-6 were similar to the procedures used for the wells on at the Jacob Riis area property (refer to section 3.6.4). The only variation in the well construction details at St. Emeric's Property was that the length of the screen interval for monitoring well MW-6 was 10 feet long instead of 15-feet long. The well screen length for MW-6 was limited due to the presence of a silty clay that was encountered at 16 feet bgs during drilling. In order to straddle the top of the water table aquifer and still maintain a seal and proper installation of the flushmount casing, the length of the screened interval of MW-6 had to be shortened to 10 feet. Monitoring well construction details are provided in Appendix A and Table 1.

3.8 Surveying

All soil boring, test pit trench, and groundwater monitoring well locations were surveyed by a NYS-licensed surveyor. Other Site and proximal features, such as building corners, light poles, streets, manholes, sidewalks, etc., were also surveyed for purposes of establishing a base map for the SC field investigation project. Horizontal locations were measured to an accuracy of 0.1-foot. Elevations were measured to an accuracy of 0.01-foot, and included the top of well casing and ground surface elevations. All elevations and horizontal coordinates were surveyed relative to a local benchmark (e.g., United States Geodetic Survey [USGS], Bureau of Land Management [BLM], NYSDOT, etc.).

3.9 Groundwater Sampling and Analysis

After waiting a minimum of 24 hours after completion of well development, groundwater samples were collected from the wells that showed no significant LNAPL and/or DNAPL accumulation (i.e., greater than 1/16 inch). Prior to groundwater sampling an electronic oil/water interface probe was used at each well to measure static water levels, depth to water, and depth to the well bottom (to check for possible siltation). The oil/water interface probe was also used to confirm the absence of measurable separate-phase product. The presence or absence of LNAPL and DNAPL was noted in the log book and on field sheets. The well diameter and the length of water column in each well were used to calculate the volume of water in the well. A properly decontaminated Grundfos Redi-flo2 2-inch submersible pump, a low-flow groundwater purging/sampling pump, and dedicated polyethylene tubing were used during sampling to minimize turbidity and purge water volumes. Using this method, water was drawn through the well screen from the formation at a flow rate that was equal to or less than the natural well recharge rate. Only a minimum of one (1) well volume was required to be removed with the low flow method, assuming stabilization of field parameters was achieved, as the standing water column in the well above the screen zone was not drawn into the screen and removed, therefore, need not be purged from the well. Field parameters consisted of pH, temperature, conductivity, and turbidity. Additional biological activity parameters that were recorded in the field at selected wells included oxidation reduction potential (ORP) and dissolved oxygen (DO). Parameter stabilization is described in the USEPA Standard Operating Procedure (SOP) #GW 0001.

Purge water and other IDW were containerized in DOT-approved 55-gallon drums and disposed off-site at a permitted waste disposal facility, as described Section 3.10.

After purging was complete, groundwater samples were collected directly from the polyethylene tubing discharge into laboratory-supplied sampled bottles containing appropriate preserving agents. Collected samples were stored in iced coolers, under chain-of-custody procedures until the samples were transported to the laboratory for analysis.

MW-3 was not purged and sampled because DNAPL was detected in the bottom of the well. Instead, a sample of the DNAPL was collected from the bottom of the well using a disposable polyethylene bailer and sent to the laboratory for a fingerprint analysis using modified USEPA Method 8100.

3.10 Investigation-Derived Waste (IDW) Management

The IDW generated during this SCS was managed and properly classified, transported, and disposed of at a pre-approved, off-site facility. IDW was contained in DOT-approved 55-gallon

drums. Drums containing IDW were labeled at the end of each day with the date, contents, contact information, job name/number, location origin, and drum count number.

IDW was broken down into four basic categories:

- Concrete and asphalt;
- Soil cuttings;
- Aqueous wastes (decon fluids, development and purge groundwater); and
- Plastic/personal protective equipment/bottleware/miscellaneous waste.

Most of the concrete and asphalt was staged in a roll-off container and disposed of as a non-DOT regulated non-hazardous waste. PPE, used bottleware, and miscellaneous waste (such as plastic used for the staging of soil from test trenches) were disposed of in 55-gallon steel drums as non-DOT regulated non-hazardous waste. Soil cuttings and aqueous wastes were sampled and chemically analyzed for Toxicity Characteristic Leaching Procedure (TCLP) volatile organic compounds, TCLP semi-volatile organic compounds, TCLP metals, RCRA Characteristics, PCBs, and cyanide. All soil cuttings and aqueous wastes were placed in 55-gallon steel drums.

The drums were transported by a licensed hauler from Con Edison's approved list of transporters. The drums were disposed of based upon the analytical results from the IDW samples at Con Edison approved facilities.

3.11 Site Restoration

All areas of the Site properties that were disturbed by the SC field investigation activities were restored to the satisfaction of the property owners.

3.12 Summary of Changes from the Approved SCS Work Plan

A total six soil borings (B-9, B-28, B-29, B-30, B-31 and B-36) called for in the NYSDEC-approved SC Work Plan could not be completed due to the presence of subsurface utilities or obstructions. Four test trenches (TT-6, TT-7, TT-12, and TT-20) called for in the SC Work Plan also could not be completed due to subsurface utilities. Two additional test trenches (TT-14 and TT-16) were attempted, but could not be completed due to subsurface conditions. Two additional soil borings, B-45 and B-46 were added to the Work Plan at Jacob Riis due to shallow auger refusal depths in neighboring borings. At St. Emeric's, five additional soil borings, B-TT-1, B-24B, B-24C, B-40A, and B-56, were added to provide additional information on the horizontal and vertical delineation of contamination. At B-24B and B-24C, auger refusal was encountered,

and the boring was relocated. All changes to the SC Work Plan were discussed with and approved by the NYSDEC before being implemented.

After consultation with the NYSDEC, the collection of surface soil samples was added to the scope of SC field investigation work at both St. Emeric's and Jacob Riis to determine whether the former gas works operations had impacted near surface soil and to provide data in order to assess potential exposure risks. At Jacob Riis, three separate sets of surface soil samples were collected within the former Site boundaries, totaling 60 surface soil samples. At the Saint Emeric area property, one set of five surface soil samples was collected from around the Quonset Hut on the property. In addition, four background surface soil samples were also collected in exposed areas of one of the Jacob Riis buildings, south of the former Site.

The screen length for monitoring well MW-6 was modified from a 15-ft screen length to a 10-ft screen length because silty clay was encountered at too shallow of a depth to correctly install a monitoring well with a 15-ft screen length.

At several soil boring locations where visible oil-like and/or tar-like material was encountered, a representative sample from the 6-inch interval of apparently clean material below the contaminated soil interval could not be collected. In these borings, there was too much carry down of the oil-like and/or tar-like material product into the clean interval for a representative clean sample to be collected. At all the soil boring locations on the St. Emeric area property, the original sampling strategy was augmented to include the collection of a soil sample at the bottom of each boring.

4 RESULTS

This section discusses the field observations and analytical results of the samples collected during the SC field investigation for the East 11th Street Works Site. The analytical results of soil samples are compared to the NYSDEC TAGM RSCO criteria, and the groundwater results are compared to the NYSDEC TOGS criteria for Class GA aquifers.

4.1 Laboratory Analytical Sample Results

All samples were analyzed by Chemtech of Mountainside, New Jersey. All analytical data were validated by TRC Environmental Corporation. The review criteria used for the SC investigation data are from following United States Environmental Protection Agency, Region 2 documents:

- Standard Operating Procedure (SOP) Number HW-24, Revision 1, June 1999, Validating Volatile Organic Compounds by SW-846 Method 8260B;
- SOP Number HW-22, Revision 2, June 2001, Validating Semi-Volatile Organic Compounds by SW-846 Method 8270;
- SOP Number 23B, Revision 1.0, May 2002, Validating PCB Compounds by SW-846 Method 8082; and
- SOP Number HW-2, Revision 11, January 1992, Evaluation of Metals Data for the CLP Program.

Data usability summary reports (DUSRs) for all sample delivery groups are presented in Appendix B. Appendix C contains the complete laboratory reports (NYSDEC ASP Category B deliverable format) in Adobe Acrobat format on compact discs. Tables 4-1 through 4-25 and Tables 5-1 through 5-20 organize the laboratory results into the two geographic areas of the Site, Jacob Riis and St. Emeric's, respectively.

4.2 Soil Gas and Indoor Air Sampling Results

RETEC completed two sampling events at the Saint Emeric's property during 2002. The results of those sampling events indicated that the quality of the air sampled within the buildings was generally within the range expected for indoor air. Indoor air quality in the school or church buildings did not appear to be impacted by subsurface intrusion of MGP-related vapors (RETEC, May 2003).

RETEC also conducted an indoor air quality and soil gas sampling event in October of 2003 for Con Edison at the Jacob Riis property. The results for those studies indicated that the indoor air

quality within the apartment buildings located on the former MGP section of the Jacob Riis Houses complex did not appear to be impacted by subsurface intrusion of MGP-related vapors. The results of these studies are presented in a separate report (RETEC, April 2004) prepared for Con Edison by RETEC and previously submitted to the NYSDEC.

4.3 Site-Specific Geology/Hydrogeology

The topography of the Site is relatively flat. The test trenching and soil boring activities conducted as part of the SC field investigation for the East 11th Street Works Site encountered fill material at both the Jacob Riis and the St. Emeric's properties. The fill material consists of construction debris (brick, concrete, glass, wood timbers, ash, slag, rebar, etc.) co-mingled with brown to black, fine to coarse sand, gravel, cobbles and silt. The thickness of the fill material varies throughout both properties from the near surface down to an approximate depth of 9 to greater than 35 ft bgs.

The material underlying the fill varies from silty sand, poorly sorted sand, well sorted sand, and silty clay. In most areas of the Site, the fill material is underlain by poorly sorted to well sorted sands that transition at depth into low-permeable silty clay lenses with trace amounts of organic peat material. In some areas of the Site, the silty clay lenses were not encountered. In other areas, the fill material is directly underlain by silty clay. Underlying the silty clay is poorly sorted sand.

Five geologic cross-sections have been prepared based upon the borings completed within the Site to demonstrate the varying depths to silty clay. Figure 4 presents the Cross-Section Key Map. Figure 5 (Geologic Cross-Section A-A'), Figure 6 (Geologic Cross-Section B-B'), Figure 7 (Geologic Cross-Section C-C'), Figure 8 (Geologic Cross-Section D-D') and Figure 9 (Geologic Cross-Section E-E') indicate the soil sampling interval(s) from each boring, as well as the identification of visible oil-like material (OLM) and/or tar-like material (TLM).

4.4 QA/QC Samples

As discussed in Section 3, QA/QC samples were collected periodically throughout the SC investigative activities at the Site. The laboratory results for the blind duplicate samples are presented in the tables beside each respective duplicated sample. A review of the rinse and trip blank samples revealed no significant contribution of targeted compounds from sampling equipment or during sample handling/transport. Refer to the Raw Analytical Results in Appendix C for the MS/MSD, trip blank and rinse blank results.

4.5 Jacob Riis

As discussed in Section 3, soil and groundwater samples were collected from borings, exploratory test trenches, monitoring wells and surface locations within this portion of the Site.

Table 3-1 presents a summary of the sample locations, the rationale behind the selection of the sample location, the sample interval(s), and a listing of the chemical analyses conducted. This table also compares the analytical results of the collected samples to NYSDEC TAGM RSCO criteria by indicating whether the constituents detected in the samples exceed their respective individual TAGM RSCO.

The following sections present a discussion of the field observations and analytical results for each type of sample activity/medium (surface soil, soil from borings and exploratory test trenches, and groundwater).

4.5.1 Summary of Field Observations

During the exploratory test trench activities, apparent remnants of former MGP-related structures were encountered. Photographs of these structures are presented in Appendix D. Intact brick walls or concrete slabs were encountered at the following locations:

Location	Historic Feature Suspected	Observations
TT-08	Eastern-most of the Three Smaller High Capacity (530,000 Cubic Feet) Gas Holders	Brick wall
TT-15	52,000 Cubic Foot Gas Holder/Tar Tank	Concrete slab at 3 feet below grade in the entire trench bottom
TT-17	Gas Holder #8	Rough waste concrete
TT-18	Condensor House	Vertical brick wall at 1.7 feet below grade
TT-19	Generator House	Brick wall at 2.8 feet below grade
TT-22	Condensor House	Intact brick and concrete at 2.7 feet below grade

Petroleum and/or MGP-related odors were observed in nineteen of the twenty-eight soil boring locations (B-5, B-6, B-8, B-10, B-11, B-12, B-14, B-15, B-16, B-17, B-19, B-21, B-22, B-23, B-32, B-33, B-34, B-37, and B-45) completed at Jacob Riis. The predominant odor detected was MGP-related in seventeen of the locations (B-5, B-6, B-8, B-10, B-11, B-12, B-15, B-16, B-17, B-19, B-22, B-23, B-32, B-33, B-34, B-37, and B-45). The depths of these observations were variable, but generally extended from one foot below the water table to the top of the silty clay layer (when encountered). Most of the locations with MGP-related odors correlate to the locations of former gas holders in the northeastern quadrant of this area of the Site. The former Retort House and Generator House were other areas of this portion of the Site where MGP-

related odors were noted. Petroleum odors were observed at variable depths ranging from unsaturated zone only to saturated zone only in six boring (B-5, B-6, B-14, B-16, B-21, and B-23) within the Jacob Riis property. There was no apparent trend to the observations of petroleum-elated odors. At four locations both petroleum and MGP-related odors (B-5, B-6, B-16, and B-23) were present in the samples.

Subsurface soil from sixteen of the twenty-eight soil boring locations (B-5, B-6, B-8, B-10, B-11, B-12, B-16, B-17, B-19, B-22, B-23, B-32, B-33, B-34, B-37, and B-45) were observed to contain oil-like material (OLM) and/or tar-like material (TLM). The northeastern portion of the Jacob Riis area property (former oil tank and holder areas) had the highest number of observations (eleven out of sixteen), with the remaining five locations in the southeastern portion of the property. Two of the locations (B-5 and B-11) had OLM and/or TLM observations in both the unsaturated and saturated soil zones. All other observations of OLM and/or TLM were in the saturated soil zone only. The TAGM RSCO for Total VOCs was exceeded in 12 of the 28 soil boring locations (B-5, B-10, B-11, B-12, B-17, B-19, B-23, B-27, B-33, B-34, B-37 and B-45) and one test trench location (TT-10). The majority of the TAGM RSCO Total VOCs exceedances were encountered in the northern half of the Jacob Riis area property, with the northeastern portion having the greatest density and highest (B-12 and B-45) reported VOC concentrations. The TAGM RSCO for Total SVOCs was exceeded in seven of the 28 boring locations (B-10, B-11, B-12, B-19, B-23, B-34, and B-45) and two of the 15 test trench locations (TT-10 and TT-15). Spatially, the highest density of exceedances was encountered in the northeast portion and eastern side of the property, with one location (TT-10) located in the south central area.

Tables 6-2 to 6-5 summarize the field observations and other information (e.g. rationale for end of boring depth). Figure 17 presents a summary of these findings by sample location and depth interval.

4.5.2 Surface Soil Sampling Results

The results of the surface soil sampling events are summarized in Tables 4-1 to 4-5 for VOCs, SVOCs, metals, PCBs, and total cyanide, respectively. Figure 10 (surface soil samples) present summaries of the constituents detected by analytical fraction, with comparisons to the NYSDEC TAGM RSCO criteria. Exceedances of the TAGM RSCO criteria are bolded, italicized, and colored to facilitate identification.

None of the 21 original surface soil samples (20 locations plus one duplicate) exhibited an exceedance of the TAGM RSCO for Total VOCs (10 milligrams per kilogram), Total SVOCs (500 milligrams per kilogram), PCBs, or individual VOCs. Total cyanide was not detected in any of the surface soil samples. None of the 20 surface soil sample locations from the second

sampling event or the 19 samples from the third sampling event exceeded the TAGM RSCO for Total SVOCs. As indicated earlier, the first round of 20 samples was analyzed for TCL VOCs, TCL SVOCs, RCRA Metals, PCBs, and Total Cyanide. The second and third rounds of surface soil samples were analyzed for SVOCs only. Of the sixty surface soil samples, a total of twenty-five SVOCs were detected, with 10 of them exceeding their respective individual TAGM RSCO criteria. The SVOC most prevalent was the polycyclic aromatic hydrocarbon (PAH), benzo(a)pyrene, with all of the samples exceeding the individual TAGM RSCO criterion. Location SS-03, in the southwestern corner of 1223 FDR Drive, exhibited the highest concentrations of all samples (~453,000 ug/kg Total SVOCs). Adjacent surface soil samples in this area of the Site (SS-01 and SS-29) exhibited individual exceedances of the TAGM RSCO, but were significantly lower than the Total SVOCs detected at SS-03 (~32,000 ug/kg and ~28,000 ug/kg, respectively).

Five of the RCRA list metals (arsenic, cadmium, chromium, lead and mercury) were generally detected at concentrations slightly higher than their respective TAGM RSCO criteria. Sample SS-03 exhibited the highest level of lead (2,640 mg/kg). Mercury was detected in all surface sample locations above the TAGM RSCO (0.1 mg/kg), with concentrations ranging from 0.27 mg/kg to 1.2 mg/kg. The metals detected are consistent with an urban setting, and with the exception of the high lead level, are consistent with the background soil sample results.

There were no TAGM RSCO exceedances for PCBs, and cyanide was not detected in the surface soil samples.

4.5.3 Background Surface Soil Sampling Results

The results of the background surface soil sampling are summarized in Tables 4-6 to 4-10 for VOCs, SVOCs, metals, PCBs, and cyanide, respectively. Figure 11 presents a summary of constituents detected and a comparison with the NYSDEC TAGM RSCO criteria. Exceedances of the TAGM RSCO criteria have been bolded, italicized, and colored in that figure to facilitate identification.

All four background surface soil samples exhibited exceedances of the TAGM RSCO for individual SVOCs (benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, B(a)P, and dibenz(a,h)anthracene) and certain RCRA list metals (arsenic, cadmium, chromium, and mercury). There were no detections of VOCS, PCBs, or Total Cyanide in any of the background samples. The concentrations of the compounds detected in the background samples are consistent with an urban setting.

A comparison was performed using statistical analysis (Kruskal-Wallace ANOVA on Ranks) between the background samples and first 20 Jacob Riis surface soil samples and determined that

the differences between the Site surface soil and background area surface soil sample SVOC results were not statistically significant.

4.5.4 Subsurface Soil Sampling Results

Subsurface soil sampling results from soil boring locations are summarized in Tables 4-11 through 4-15, and exploratory test trenches are summarized in Tables 4-16 to 4-20. Figure 12 presents a summary of constituents detected and a comparison with the NYSDEC TAGM RSCO criteria. Exceedances of the criteria have been bolded, italicized, and colored to in that figure facilitate identification.

Of the 17 VOCs detected in the collected soil boring samples, seven VOCs (acetone, benzene, ethylbenzene, toluene, m/p-xylenes, o-xylene, and isopropylbenzene) were present at concentrations that exceeded their respective individual TAGM RSCO criteria. Benzene had the highest frequency of exceedances (37.1% of the number of samples analyzed), and ethylbenzene and m/p-xylenes were detected at the highest concentrations (1,300,000 ug/kg and 1,200,000 ug/kg, respectively) reported at location B-12. In samples collected from the test trench locations, 11 VOCs were detected, with the six of the same seven VOCs at the soil boring samples present at concentrations exceeding their respective individual TAGM RSCO criteria. The highest frequency of exceedances and reported concentrations were for o-xylene (15.8%) and ethylbenzene (50,000 ug/kg at TT-10), respectively.

Twenty-eight SVOC constituents were detected in soil boring samples, 19 of which exceeded their respective TAGM RSCO criteria. Benzo(a)pyrene (B(a)P) exhibited the highest frequency of exceedances (82.3%), whereas naphthalene had the highest detected concentration (2,600,000 ug/kg in the eastern portion of the property). Many of the same constituents were detected in test pit soil samples, with 15 constituents exceeding their respective TAGM RSCO criteria. Similar to the soil borings, B(a)P had the highest frequency of exceedances (94.7%), with naphthalene exhibiting the highest concentration (310,000 ug/kg in the southern portion of the property).

There were no TAGM RSCO exceedances for PCBs in either the soil borings or test trench locations.

Metals were generally detected at a high frequency, with many TAGM RSCO exceedances. Lead was reported at a maximum concentration of 3,300 milligrams per kilogram in the subsurface soil at B-5, centrally located in Jacob Riis. Cyanide was sporadically detected in soil borings and test trench locations. There is no TAGM RSCO for cyanide.

4.5.5 Groundwater Sampling Results

One round of synoptic groundwater elevation data and one round of groundwater samples were collected from the monitoring wells using low flow sampling techniques. Prior to purging, an electronic oil/water level interface probe was used to determine whether a measurable floating (light non-aqueous phase liquid – LNAPL) or sinking layer (dense non-aqueous phase liquid – DNAPL) of product was present. Of the four wells inspected on this portion of the Site, one well (MW-3) had a product thickness of approximately 0.36 feet. In accordance with the SCSWP, a groundwater quality sample was not collected from this well.

Groundwater sampling results from monitoring well locations are summarized in Tables 4-21 through 4-25. Figure 13 presents a summary of constituents detected and a comparison of the sample results with the NYSDEC Technical and Operational Guidance (TOGS) Class GA criteria. Exceedances of the criteria have been bolded, italicized, and colored in that figure to facilitate identification.

Groundwater samples (excluding QA/QC) were not collected for chemical analysis from MW-3 because the well was found to contain a measurable layer of product. Instead, a sample of the product (DNAPL) was sent to the laboratory (Meta Environmental) for fingerprint analysis. Groundwater samples from the other three monitoring wells installed on the Jacob Riis area property were analyzed for TCL VOCs, TCL SVOCs, RCRA Metals, PCBs, total cyanide and amenable cyanide.

Of the three groundwater samples collected, lead in MW-2 [117 ug/l] was the only inorganic constituent reported at a concentration greater than the Class GA criteria. Low level exceedances of the GA criteria were reported in MW-2 for several SVOCs (naphthalene, 1,1-biphenyl, and acenaphthene). VOC concentrations were the highest in MW-2, with BTEX and isopropylbenzene present. PCBs were not detected in any groundwater samples. The TOGS criterion for cyanide was not exceeded in any sample.

A duplicate sample drawn from MW-5 demonstrated a higher occurrence of TAGM RSCO SVOC exceedances than the original sample results for MW-5. A review of field procedures and field observations did not provide a possible explanation to support the differences in the results.

One sample of liquid product was collected from MW-3 and sent to the laboratory for fingerprint analysis. The sample reportedly contained a number of monocyclic aromatic hydrocarbons and naphthalene, interpreted by the laboratory to be characteristic of the water soluble fraction of coal tar.

4.6 Saint Emeric's Property

As discussed in Section 3, soil and groundwater samples were collected from borings, exploratory test trenches, monitoring wells and surface locations within this portion of the Site. Table 3-2 presents a summary of the sample location, the rationale behind the selection of the sample locations, the sample interval(s), and a listing of the chemical analyses conducted. This table also indicates whether individual TAGM RSCO constituent exceedances were observed within any analytical class (e.g., VOCs, SVOCs, metals).

The following sections present a discussion of the analytical results for each type of sample group.

4.6.1 Summary of Field Observations

Test trench excavations TT-1 and TT-2 were observed to contain intact brick walls and concrete slabs most likely representative of the Former Gas Holder No. 9. Photographs of the MGP-related structures encountered in the test trenches are presented in Appendix D.

MGP-related odors were noted in three of the soil boring locations (B-TT-1 at 9 to 12.5 feet below grade; B-25 at 9 to 21 feet below grade; and B-26 at 29 to 31 feet below grade). These locations are in close proximity to Former Gas Holder #9. Petroleum-related odors (gasoline) were detected at two soil boring locations (B-56 at 3 to 4 feet below grade; and B-2 at 5 to 7.5 feet below grade). A slight creosote-like odor was noted in B-3 at 13 to 16 feet below grade.

Oil-like material was observed in one soil boring (B-TT-1) at 12.5 feet below grade (in the saturated zone). Groundwater at this location was reported at eight feet below grade. No tar-like material was observed in any of the soil borings on the Saint Emeric's property.

Soil borings and exploratory test trenches were completed inside and outside of the inferred footprint of Former Gas Holder #9. Based upon the observations at B-3 and TT-2, it appears that a concrete gas holder bottom may be present beginning at approximately 3 feet below grade.

Table 6-6 summarizes the field observations and other information (e.g. rationale for end of boring depth). Figure 17 presents a summary of these findings by sample location and interval.

4.6.2 Surface Soil Sampling Results

The results of the surface soil sampling events are summarized in Tables 5-1 to 5-5 for VOCs, SVOCs, metals, PCBs, and total cyanide, respectively. Figure 14 presents summaries of the constituents detected by analytical fraction, and comparisons of the sample results with the NYSDEC TAGM RSCO criteria. Exceedances of the criteria are bolded, italicized, and colored in the figure to facilitate identification.

None of the five surface soil samples analyzed had an exceedance of the NYSDEC TAGM RSCO for individual VOCs, Total VOCs, Total SVOCs, or PCBs. Each of the five samples reported exceedances of the individual SVOCs for four or more of the following PAHs, :benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, and/or benzo(a)pyrene. All of the reported concentrations for these PAH constituents in surface soil samples were within the ranges of results for background samples collected in the portion of the Jacob Riis House complex located south of the Site. Arsenic and lead sporadically exceeded the TAGM criteria, and mercury exceeded the criterion in all five samples. Concentrations in these samples were, in general, less than the maximum concentrations observed in background surface soil samples.

A comparison was performed using statistical analysis (student t-test) between the average background concentration and the average concentration for surface soil samples that exceeded TAGM RSCO criteria. This analysis determined that the differences between the site soil and background sample SVOC results were not statistically significant.

4.6.3 Subsurface Soil Sampling Results

Subsurface soil sampling results from soil boring locations are summarized in Tables 5-6 through 5-10, and exploratory test trenches are summarized in Tables 5-11 to 5-15. Figure 15 presents a summary of the constituents detected and a comparison of the sample results with NYSDEC TAGM RSCO criteria. Exceedances of the criteria are bolded, italicized, and colored in the figure to facilitate identification.

The analytical results for all subsurface soil samples were in compliance with the NYSDEC TAGM RSCO for PCBs and Total SVOCs.

The TAGM RSCO for Total VOCs was exceeded at two locations (B-TT-1 and TT-1). These locations are adjacent to each other, located fifteen to twenty-five feet to the west of the school building, and in close proximity to the Former Gas Holder #9.

Individual TAGM RSCO exceedances were observed for several SVOCs, VOCs, and RCRA Metals. Statistics are summarized at the end of the analytical tables.

In soil boring samples, a total 23 SVOCs list reported at concentrations above analytical detection limits, with seven constituents present at concentrations exceeding their respective individual TAGM RSCO criteria. Naphthalene exhibited the highest concentration (21,000 ug/kg), while (B(a)P) exhibited the highest frequency of TAGM RSCO exceedances (44.4% of the samples analyzed). A similar trend exists for the soil samples collected from exploratory test trenches, with naphthalene reported at concentrations as high as 270,000 ug/kg (at TT-1) and B(a)P present at concentrations exceeding its individual TAGM RSCO criterion all collected

samples. Twenty-one constituents were detected, and eight constituents exceeded the TAGM RSCO one or more times in this dataset.

There were no PCB TAGM RSCO exceedances in either the soil borings or test trenches. Cyanide was detected sporadically in soil borings and test trenches, with maximum reported concentrations of 77 milligrams per kilogram and 270 milligrams per kilogram, respectively.

There were several TAGM RSCO exceedances for metals in both soil borings and test trenches. The results are generally typical of an urban setting, although lead was reported as high as 32,700 milligrams per kilogram at TT-1. This soil, however, is covered with asphalt.

Xylenes were detected at the both the highest concentration (13,000 ug/kg at SB-TT-1) and frequency (32.1%) in the soil boring samples. Of the twelve VOC constituents detected, five exhibited one or more exceedances of their respective individual TAGM RSCO criteria. Benzene was reported at a low frequency of exceedances (under 5%), with the highest concentration reported at 2,100 ug/kg (SB-25). Other exceedances were reported for ethylbenzene, o-xylene, and toluene. These four constituents are typically associated with former MGP activities or petroleum sources. Twelve of the same VOCs were detected in the test trenches, with four compounds (benzene, acetone, m,p-xylenes, and o-xylene) exceeding their respective individual TAGM RSCO criteria.

4.6.4 Groundwater Sampling Results

One round of synoptic groundwater elevation measurements and one round of groundwater samples were collected from the monitoring wells installed on the Saint Emeric area property using low flow sampling techniques. Prior to purging, an electronic oil/water level interface probe was used to determine whether a floating or sinking layer of product was measurable. Of the two wells inspected on this portion of the Site, neither were found to contain a measurable NAPL layer.

Figure 16 presents a summary of constituents detected in the groundwater samples and a comparison of the sample results with the NYSDEC Technical and Operational Guidance (TOGS) Class GA criteria. Exceedances of the criteria are bolded, italicized, and colored in Figure 16 to facilitate identification.

The groundwater samples from the wells (MW-1 and MW-6) were collected using low flow sampling techniques. All SVOCs and PCBs concentrations in the collected samples were below the NYSDEC TOGS for Class GA criteria for both wells. There were no exceedances of the NYSDEC TOGS GA criteria for RCRA Metals, VOCs, or Cyanide in MW-6. MW-1 had a reported exceedance of lead (89.2 ug/l) and several VOCs (benzene [140 ug/l], ethylbenzene

[160 ug/l], toluene [6.4 ug/l], m/p-xylenes [81 ug/l], o-xylene [36 ug/l], and isopropylbenzene [54 ug/l]).

4.7 Groundwater Elevation Contours and Flow Direction

Based upon the synoptic water level measurements recorded on October 12, 2004, and field survey information, groundwater elevations were calculated in each of the six monitoring wells installed at the Jacob Riis and Saint Emeric areas of the Site. Information related to monitoring well construction details, groundwater elevations, and other information is summarized in Table 6-1. The data were then plotted and a groundwater contour map developed, as presented in Figure 18.

Based upon the topography and regional hydrogeologic information, the expected groundwater flow is to the east, towards the East River. However, the hydraulic contours obtained by interpolation of water level measurements of the on-Site monitoring wells indicate that there is a hydraulic mound in the center of Jacob Riis area in which groundwater has a radial flow direction centered around MW-2. More specifically, groundwater appears to flow out from MW-2, to the southeast and south towards the East River, and to the southwest towards southern Manhattan, and to the northwest towards the Saint Emeric area of the Site.

A review of available information did not provide a reasonable explanation for this groundwater flow pattern. The closest and only reported supply well in the vicinity of the Site is located approximately 0.6 miles to the north-northwest of the Site and is expected to be outside of the zone of influence of the Site monitoring wells. The mounding is not consistent with tide cycle influences. The sampling was conducted during a fair weather day without rain. Therefore, storm sewer leakage/recharge is not believed to be a factor in the results. Also, there are no known injection points within the Site.

4.8 Qualitative Exposure Assessment

A qualitative exposure assessment was conducted in accordance with NYSDEC, Division of Environmental Remediation, Draft DER-10, Technical Guidance for Site Investigation and Remediation (December 25, 2002). The purpose of this qualitative exposure assessment is to determine whether current Site conditions pose a threat to potentially exposed receptor populations. In order to pose a threat to receptor populations, a complete pathway for exposure must exist. As specified in New York State Department of Health (NYSDOH) guidance, a complete exposure pathway consists of five elements:

- A contaminant source;
- Contaminant release and transport mechanisms;
- A point of exposure;

- A receptor population; and
- A route of exposure.

Contaminant Source

The Site is the location of the former East 11th Street Works. The East 11th Street Works operated starting between 1859 and 1868, until circa 1933 when it was retired. The available historical information on the East 11th Street Works indicates that this Site was both a gas manufacturing and a gas storage facility. The only known waste storage area is the ”Ash Dump” on the south side of the East 13th Street right-of-way about 200 feet east of Avenue D. Other typical MGP wastes that may have remained on the Site include tars, purifier wastes (wood or other solids), clinkers (consolidated ash-like material), condensates (liquids), and oils. No historical records are available that describe waste management practices during the operation of the former gas works. However, based upon visual and olfactory field observations, tars (DNAPL), clinkers, and oils (petroleum-based LNAPL) were determined to be present.

Current Land Use

As discussed in Section 2.1, the properties that contained the former East 11th Street Works are currently used for open parking areas, a municipal pumping station, a primary school, a church, a parking garage, high-rise residential apartment buildings, and a portion of the FDR Drive and the adjacent East River Park Promenade.

Future Land Use

The areas at and around the Jacob Riis and Saint Emeric’s Property are anticipated to remain the same as the current use for the foreseeable future.

Contaminant Release and Transport Mechanisms

Contaminant release and transport mechanisms carry contaminants from the source to points where people may be exposed. Potential contaminant release mechanisms include historic direct release of MGP-associated contaminants to soils, and the potential release from existing or historic utilities. Transport mechanisms include the leaching, percolation or infiltration of contaminants from contaminated soils to groundwater; volatilization of contaminants from soils or groundwater to air and the potential transport of contaminants in groundwater, through the subsurface to surface water.

Point of Exposure

The exposure point is a location where actual or potential human contact with a contaminated medium may occur. Soil, groundwater, indoor air, and home-grown produce are potential points of exposure at this Site.

Receptor Populations

The receptor populations are those people that are or potentially may be exposed to contaminants at the point of exposure. Based upon current and future land uses at the Site, potential receptors include apartment building residents, school children, teachers, commercial building occupants, church parishioners, maintenance workers, and workers which may undertake activities involving the excavation or disturbance of soil at the Site, such as landscaper/groundskeepers, utility workers, and construction workers.

Routes of Exposure

The route of exposure is the way in which a person may actually be exposed to the contaminant. Potential routes of exposure include ingestion and dermal contact with soils, ingestion of home-grown produce, ingestion and dermal contact with groundwater, inhalation of indoor and outdoor air that contains volatilized constituents present in Site soil and/or groundwater, and inhalation of soil particulates that enter the air column as fugitive dust emissions.

The potential exposure routes for which a complete exposure pathway exists for a specific receptor are discussed below. Jacob Riis and the St. Emeric's Property are discussed in separate sections.

4.8.1 Jacob Riis

Potential Exposure Points and Exposure Media

The potential exposure points are on-Site associated with potential exposure to soil, groundwater and ambient air, as further discussed below. Surface soil samples, subsurface soil samples, and groundwater samples were collected and analyzed for target compound list (TCL) volatile organic compounds (VOCs), TCL semi-volatile organic compounds (SVOCs), RCRA metals, polychlorinated biphenyls (PCBs), and total cyanide.

MGP-related and/or petroleum-related residual contamination has been identified at Jacob Riis at concentrations greater than the TAGM RSCO criteria.

a. Surface Soils: Per NYSDOH requirements, surface soil samples were collected from zero to two inches below the vegetative cover using a decontaminated hand trowel. Ten

SVOCs and five metals were detected in surface soils at levels exceeding their respective TAGM RSCO criteria.

A site-specific background soil evaluation conducted in non-MGP operation areas of the Jacob Riis Houses complex indicated that six SVOCs and four metals, which are likely due to anthropogenic sources or are naturally-occurring, are present in surface soil samples from the non-MGP area at concentration above their respective TAGM RSCO criteria. A statistical analysis (Kruskal-Wallace ANOVA on Ranks) of the SVOC data from the Site surface samples and background surface soil samples was performed and determined that the differences between the Site surface soil and background surface soil sample results were not statistically significant. This analysis indicates that the detected SVOC compounds in Site surface soils are attributable to background. Although complete exposure pathways may exist for surface soil, compounds present are considered background and therefore do not require further evaluation per NYSDEC guidance. Surface soil is considered a medium of concern for metals.

b. Subsurface Soils: A total of seven VOCs, 19 SVOCs and four metals were detected in test pits and soil borings at concentrations exceeding their respective TAGM RSCO criteria. Therefore, subsurface soil is a medium of concern..

c. Groundwater: Based upon field measurements, groundwater in Jacob Riis area is between approximately four and eleven feet bgs. The NYSDEC groundwater classification is GA (fresh groundwater). Six VOCs, 11 SVOCs and lead were detected in groundwater at levels exceeding TOGS Class GA criteria for groundwater. Groundwater is not used as a drinking water supply in Manhattan. New York City residents receive their water supply from upstate reservoirs. Due to the Site's proximity to the East River, groundwater beneath the Site is likely to be brackish or saline, and unsuitable for human consumption and therefore is not a media of concern for direct ingestion. However, as discussed below, groundwater is a medium of concern for dermal contact by various types of workers who may potentially engage in activities that involve excavating within the saturated soil zone beneath the Jacob Riis area of the Site.

d. Air: Soil and groundwater contained levels of VOCs, primarily BTEX which exceeded the RSCO levels. Since there is a potential for subsurface volatilization from soils and groundwater into the basements of the buildings present in the Jacob Riis area, indoor air quality and soil gas sampling was conducted in October, 2003, for Con Edison by RETEC. The results for those studies indicated that the indoor air quality did not appear to be impacted by subsurface intrusion of MGP-related vapors. Results of these studies were reported under a separate cover. Therefore, indoor air is not a medium of concern and is not considered a potentially complete exposure pathway. Excavation activities

have the potential to release vapors which could impact outdoor air. Therefore outdoor air is a medium of concern.

e. Home-Grown Produce: No vegetable gardens intended for consumption are known to exist on the Jacob Riis property. Therefore, home-grown produce is not a medium of concern.

Receptor Populations and Exposure Pathways

1. Apartment building receptors include child and adult residents. The exposure pathways considered for the residential receptor are: direct ingestion of soils, dermal contact with soils, ingestion of home-grown produce, inhalation of volatiles in indoor air and ingestion and dermal contact with groundwater. Of the exposure pathways considered, the only exposure pathway that is complete is exposure to compounds in surface and subsurface soil via ingestion and dermal contact. There are no known vegetable gardens present on the Jacob Riis property. Also, indoor air has been shown not to be impacted by subsurface contamination in prior indoor air and soil gas studies. Finally, ground water is not a source of drinking water in Manhattan.

2. Commercial/office building receptors include adult occupants. The exposure pathways considered for the commercial/office receptor are inhalation of volatiles in indoor air and ingestion and dermal contact with groundwater. These exposure pathways are not considered complete for the commercial building occupant scenario. Indoor air has been shown not to be impacted by subsurface contamination in prior indoor air and soil gas studies. Finally, ground water is not a source of drinking water in Manhattan.

3. Maintenance workers involved in both indoor and outdoor activities (excluding excavation activities) are assumed to be receptors at the Jacob Riis site. The exposure pathways considered for this receptor are direct ingestion of soils, dermal contact with soils, inhalation of volatiles in indoor air and ingestion and dermal contact with groundwater. The only complete exposure pathway for this receptor is ingestion and dermal contact of surface and subsurface soil. Indoor air has been shown not to be impacted by subsurface contamination in prior indoor air and soil gas studies. Finally, ground water is not a source of drinking water in Manhattan.

4. Excavation Workers, which include landscaper/groundskeepers, utility workers, and construction workers, are identified as receptors for this site. The exposure pathways considered for this receptor are: direct ingestion of soils, dermal contact with soils, inhalation of particulates, inhalation of volatiles in outdoor air and dermal contact with groundwater.

The landscaper/groundskeeper through grounds keeping activities may be exposed to surface and subsurface soils through ingestion, dermal contact and inhalation of particulates. Because groundwater is between approximately four and eleven feet bgs, it is assumed that the landscaper/groundskeeper would not have direct contact with groundwater; however, they may be exposed to volatiles in ambient air from both groundwater and soils.

The utility/construction worker, through future excavation activities, may be exposed to surface and subsurface soils through ingestion, dermal contact and inhalation of particulates. Because groundwater is between approximately four and eleven feet bgs, it is assumed that the utility/construction worker may have direct contact with groundwater, and thus may be exposed via incidental ingestion and dermal contact. They may also be exposed to volatiles in ambient air from both groundwater and soils.

4.8.2 St. Emeric's Property

Potential Exposure Points and Exposure Media

The potential exposure points are on-Site associated with potential exposure to soils, groundwater and ambient air. Surface soil samples, subsurface soil samples, and groundwater samples were collected and analyzed for target compound list (TCL) volatile organic compounds (VOCs), TCL semi-volatile organic compounds (SVOCs), RCRA metals, polychlorinated biphenyls (PCBs), and total cyanide.

MGP-related and/or petroleum-related residual contamination has been identified at St. Emeric's property at levels greater than the TAGM RSCO levels.

a. Surface Soils: Per NYSDOH requirements, surface soil samples were collected from zero to two inches below the vegetative cover using a decontaminated hand trowel. Five SVOCs and three metals were detected in surface soils at levels exceeding the TAGM RSCO levels.

   A site-specific background soil evaluation conducted in non-MGP operation areas of the Jacob Riis Houses complex indicated that six SVOCs and four metals, which are likely due to anthropogenic sources or are naturally-occurring, are present in surface soil samples from the non-MGP area at concentration above their respective TAGM RSCO criteria A statistical analysis (Student's t-test) of the SVOC data was performed and determined that the differences between the St. Emeric's site surface soil and background surface soil sample results were not statistically significant. This analysis indicates that SVOC compounds detected in Site surface soils are attributable to background. Although complete exposure pathways may exist for SVOCs in surface soil, these compounds are

considered background and therefore do not require further evaluation per NYSDEC guidance. Surface soil is considered a medium of concern for metals.

b. Subsurface Soils: A total of six VOCs, eight SVOCs and seven metals were detected in test pits and soil borings at levels exceeding their respective TAGM RSCO criteria. Therefore, subsurface soil is a medium of concern.

c. Groundwater Based upon field measurements, groundwater in this area is between approximately four and 11 feet bgs. The NYSDEC groundwater classification is GA (fresh groundwater). Six VOCs and lead were detected in groundwater at levels exceeding TOGS Class GA criteria for groundwater. Groundwater is not used as a drinking water supply in Manhattan. New York City residents receive their water supply from upstate reservoirs. Due to the Site's proximity to the East River, groundwater beneath the Site is likely to be brackish or saline, and unsuitable for human consumption and therefore is not a media of concern for direct ingestion. However, as discussed below, groundwater is a medium of concern for dermal contact by various types of workers who may potentially engage in activities that involve excavating within the saturated soil zone beneath the Saint Emeric area of the Site.

d. Air: Soil and groundwater contained levels of VOCs, primarily BTEX which exceeded the RSCO levels. Because there is a potential for subsurface volatilization from soils and groundwater into the basements of the buildings present in the St. Emeric's property area, indoor air quality and soil gas sampling was conducted during two sampling events (August 2002 and December 2002) for Con Edison by RETEC at the Saint Emeric's School, now the Escuela Hispania Montessori Head Start School, and in the Roman Catholic Church of St. Emeric's. The results for those studies indicated that the indoor air quality did not appear to be impacted by subsurface intrusion of MGP-related vapors. Results of these studies were reported under a separate cover. Therefore, indoor air is not a medium of concern. Excavation activities have the potential to release vapors which could impact outdoor air. Therefore outdoor air is a medium of concern.

e. Home-Grown Produce: The parishioners of St. Emeric's maintain a garden area where they grow vegetables and other edibles. Samples SS-24 and SS-25 were collected in the garden area. The highest lead level at Saint Emeric's was reported in SS-24, which is next to the gate where cars enter and exit the parking lot. Therefore, home-ground produce is a media of concern.

Receptor Populations and Exposure Pathways

1. Escuela Hispania Montessori Head Start School receptors include a child (student) or adult (teachers, administrative staff, and maintenance workers). The exposure pathways considered for these receptors are: direct ingestion of soils, dermal contact with soils (during work or play activities), inhalation of volatiles in indoor air and ingestion and dermal contact with groundwater. These receptors may be exposed to compounds in surface and subsurface soil through direct ingestion and dermal contact. It should be noted that except for the vegetative areas where surface soil samples were collected, the remainder of the Saint Emeric area property is paved with asphalt and/or concrete. Indoor air has been shown not to be impacted by subsurface contamination in prior indoor air and soil gas studies. Finally, ground water is not a source of drinking water in Manhattan.

2. Adult and child parishioners of the Roman Catholic Church of St. Emeric are receptors for this Site. The exposure pathways considered for these receptors are: inhalation of volatiles in indoor air, direct contact with soil (ingestion, dermal contact) and ingestion of home-grown produce. The church parishioner scenario may be a complete exposure pathway due to the direct contact with surface and subsurface soils and ingestion of home-grown produce. Because only surface soil (0 to 2 inches) was collected in the garden area, this area is not well characterized for depths up to two feet. Plants are known to bioaccumulate PAHs and metals and therefore ingestion of these materials may be a complete point of exposure. Indoor air has been shown not to be impacted by subsurface contamination in prior indoor air and soil gas studies and is therefore not a media of concern for this receptor.

3. No complete exposure pathways exist for church attendees. Indoor air has been shown not to be impacted by subsurface contamination in prior indoor air and soil gas studies.

4. Excavation Workers, which include landscaper/groundskeepers, utility workers, and construction workers, are receptors for this Site. The exposure pathways considered are: direct ingestion of soils, dermal contact with soils, inhalation of particulates, inhalation of volatiles in outdoor air and dermal contact with groundwater.

5. The landscaper/groundskeeper through grounds keeping activities may be exposed to surface and subsurface soils through ingestion, dermal contact and inhalation of particulates. Since the groundwater is between four and eleven feet bgs, it is assumed that the landscaper/groundskeeper would not have direct contact with groundwater; however, they may be exposed to volatiles from both groundwater and soils. The landscaper/groundskeeper is considered a complete exposure pathway.

The utility/construction worker, through future excavation activities, may be exposed to surface and subsurface soils through ingestion, dermal contact and inhalation of particulates. Since the groundwater is between four and eleven feet bgs, it is assumed that the utility/construction worker may have direct contact with groundwater, and thus may be exposed via incidental ingestion and dermal contact. They may also be exposed to volatiles from both groundwater and soils. The utility/construction worker is considered a complete exposure pathway.

4.9 Site-Wide Depiction of Soil Sampling Results for Total VOCs and Total SVOCs

Figures 19 and 20 present a graphical interpretation of the ranges of concentrations reported in soil samples for Total VOCs and Total SVOCs, respectively. Concentrations below the NYSDEC TAGM RSCO for Total VOCs (10 mg/kg) and Total SVOCs (500 mg/kg) are presented in green. Other colors, as presented in the figures, represent different ranges of concentrations for each chemical class.

4.9.1 Total VOCs

The TAGM RSCO for Total VOCs was exceeded in 12 of the 28 boring locations (B-5, B-10, B-11, B-12, B-17, B-19, B-23, B-27, B-33, B-34, B-37 and B-45) and one test trench location (TT-10) at Jacob Riis. The majority of the exceedances were located in the northern half of the property, with the northeastern portion having the greatest density and highest (B-12 and B-45) reported concentrations. This area of the Site also had visible oil-like and/or tar-like material in the vadose and/or saturated zone. Historically, several above and underground fuel oil storage tanks were located in the northeastern portion of Jacob Riis.

The TAGM RSCO for Total VOCs (10 mg/kg) was exceeded at two locations (B-TT-1 and TT-1) on the Saint Emeric's Property. These locations are adjacent to each other, located fifteen to twenty-five feet to the west of the school building. These locations abut the former Gas Holder #9 on this portion of the Site.

4.9.2 Total SVOCs

The TAGM RSCO for Total SVOCs was exceeded in seven of the 28 boring locations (B-10, B-11, B-12, B-19, B-23, B-34, and B-45) and 2 of the 14 test trench locations (TT-10 and TT-15) at Jacob Riis. Spatially, the highest density of exceedances was in the northeast portion and eastern side of the property, with one location (TT-10) located in the south central area. The northeastern locations are in the same area as the former fuel oil storage tanks.

The analytical results for all soil samples from the Saint Emeric's Property were in compliance with the TAGM RSCO for Total SVOCs.

4.10 Community Air Monitoring Results

During the site characterization study implementation, there was no work stoppage due to elevated PID or particulate readings in excess of the CAMP criteria. There were no complaints from tenants, owners, or operators of commercial establishments of nuisance odors or dust during the investigative efforts. Periodically, an instantaneous reading above the action level on the PID and/or dust monitor was recorded. However, these anomalies were attributed to weather-related conditions (e.g., humidity) by the field personnel.

5 CONCLUSIONS AND RECOMMENDATIONS

Residuals from the operation of the MGP have been identified at the East 11th Street Works site, including the Jacob Riis and St. Emeric's Church portions of the Site. MGP impacts exceed the NYSDEC RSCO in surface and subsurface soil and groundwater. Based on this conclusion, a Remedial Investigation (RI) will be conducted at the Site. A RI Work Plan will be developed to delineate the MGP impacts, and the RI Work Plan will be submitted to the NYSDEC and the NYSDOH for review and approval.

6 REFERENCES

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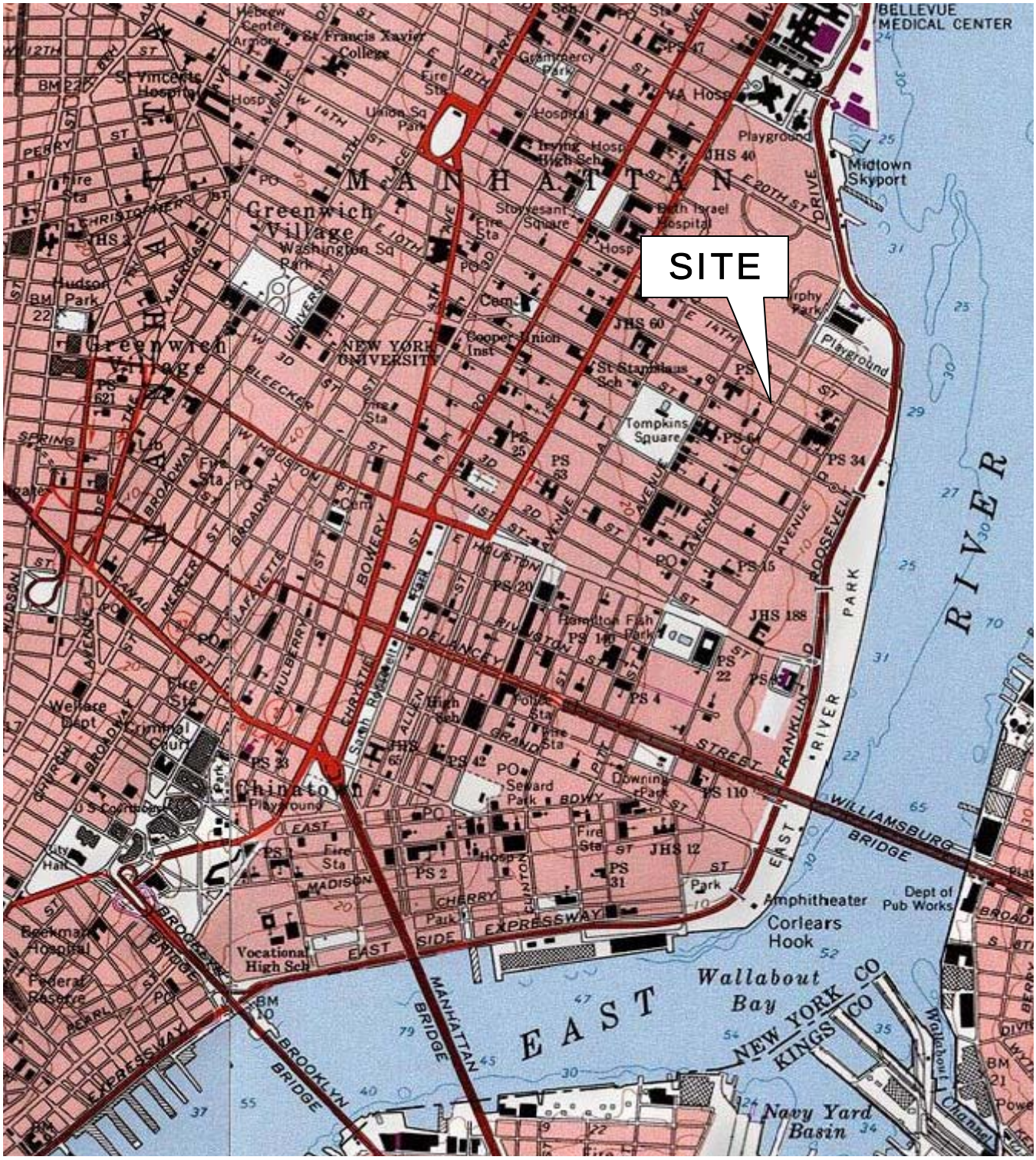

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Customer-Focused Solutions

TRC Environmental, Inc.
1200 Wall Street West
Lyndhurst, NJ 07071
(201) 933-5541

N

NEW YORK

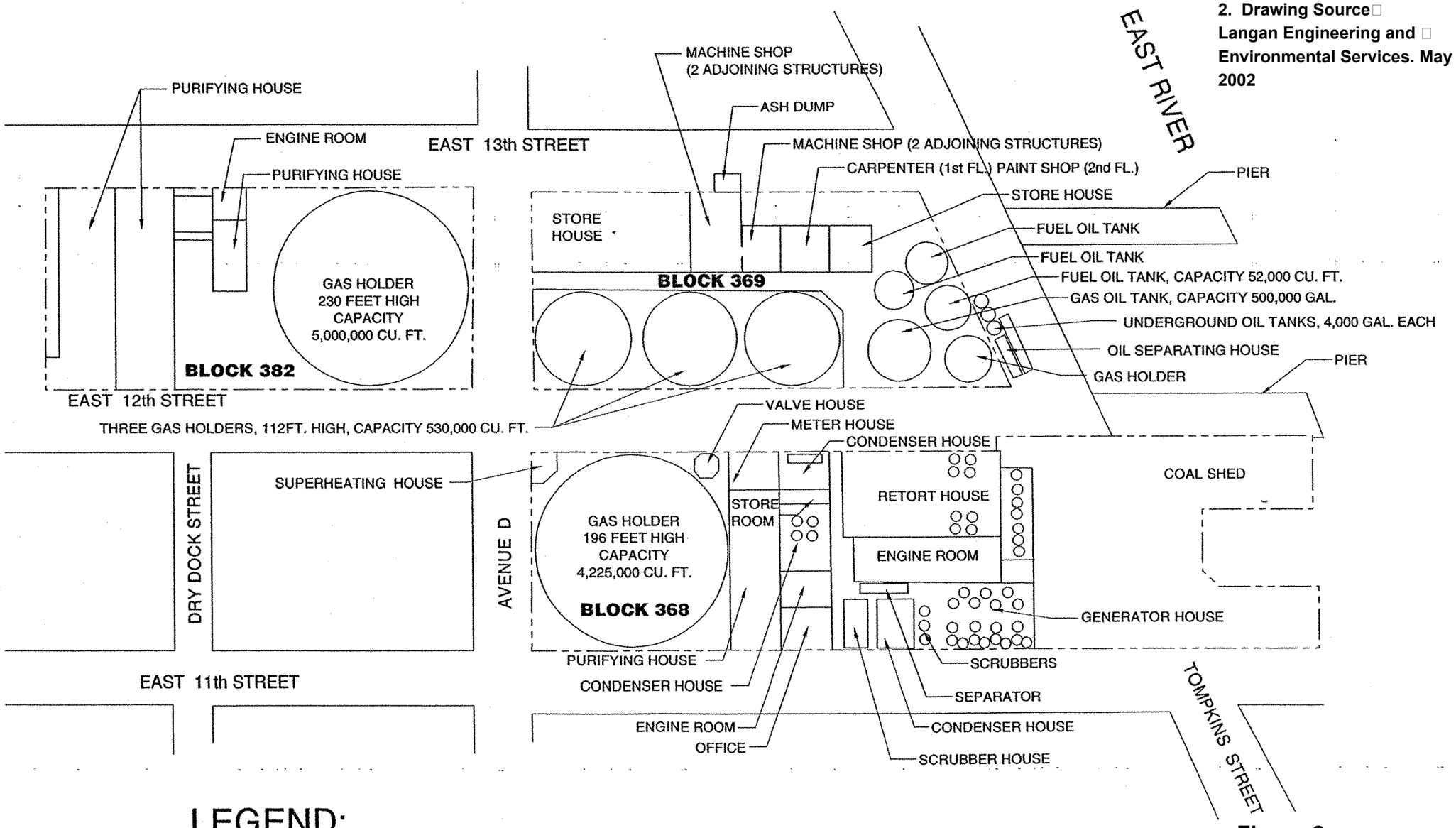
QUADRANGLE LOCATION

FIGURE 1: SITE LOCATION MAP

SITE: East 11th Street
New York, New York
DATE: February 2005
CLIENT: Consolidated Edison Company
PROJECT NO: 39656

NOTES:
1. Map Source:
1903 Sanborn Map.

2. Drawing Source
Langan Engineering and Environmental Services. May 2002



LEGEND:

FORMER SITE BOUNDARY

Figure 2a

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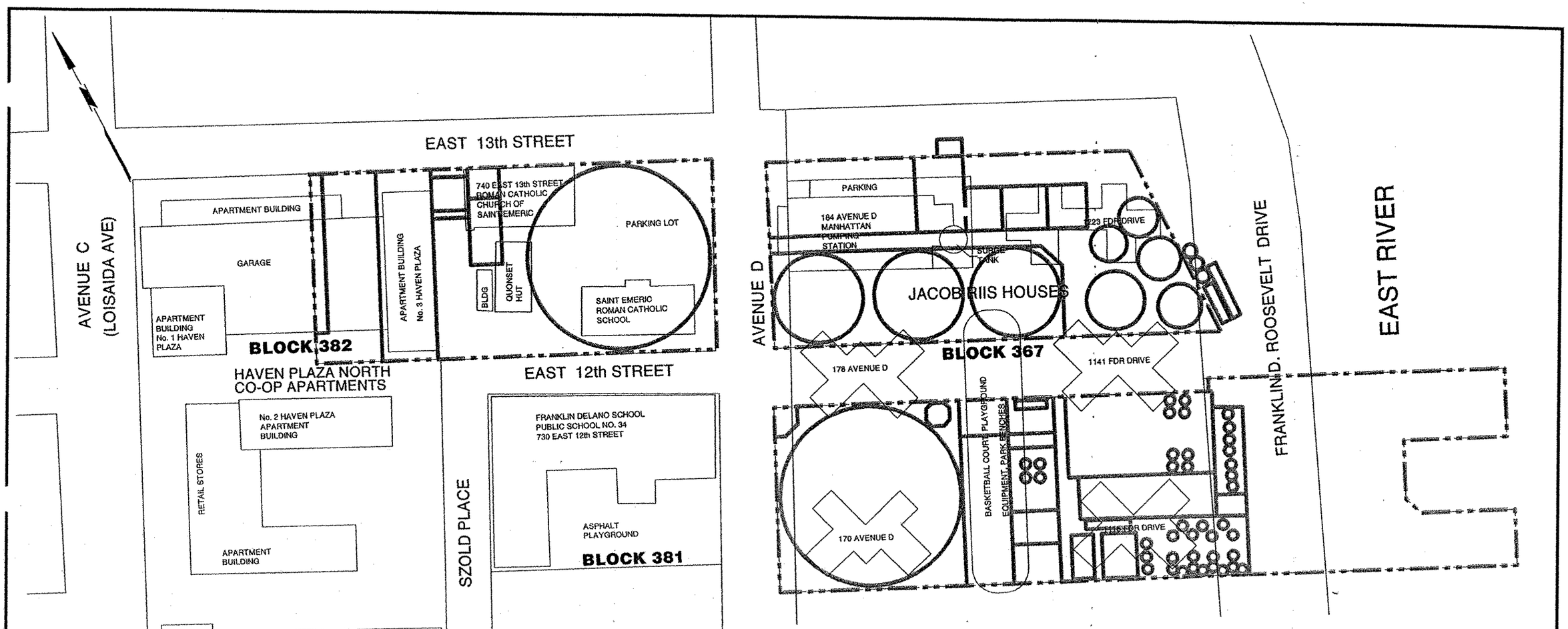
Project: SITE MAP - 1903
FORMER EAST 11th STREET WORKS
CONSOLIDATED EDISON COMPANY
NEW YORK NEW YORK

Job No.	Date	Scale	Dwg. No.
5531601	5-23-02	1"=100'	

Filename: C:\Data6\5531601\11th_STREET\1903_11TH.dwg Date: 5/30/2002 Time: 10:01 User: jtella Style Table: Langan.stb Layout: B Size Sheet (Bottom)



LEGEND:

FORMER SITE BOUNDARY

LOCATION OF FORMER MGP STRUCTURES
(SEE DWG. NO. 5 FOR DESCRIPTIONS)

NOTES:
1. Map Source:
1996 Sanborn Map.
and 1903 Sanborn Map.

2. Drawing Source
Langan Engineering and Environmental Services. May 2002

Figure 2b

TRC
Environmental Corporation

Project: SITE MAP WITH MGP OVERLAY
FORMER EAST 11th STREET WORKS
CONSOLIDATED EDISON COMPANY
NEW YORK NEW YORK

Job No.	Date	Scale	Dwg. No.
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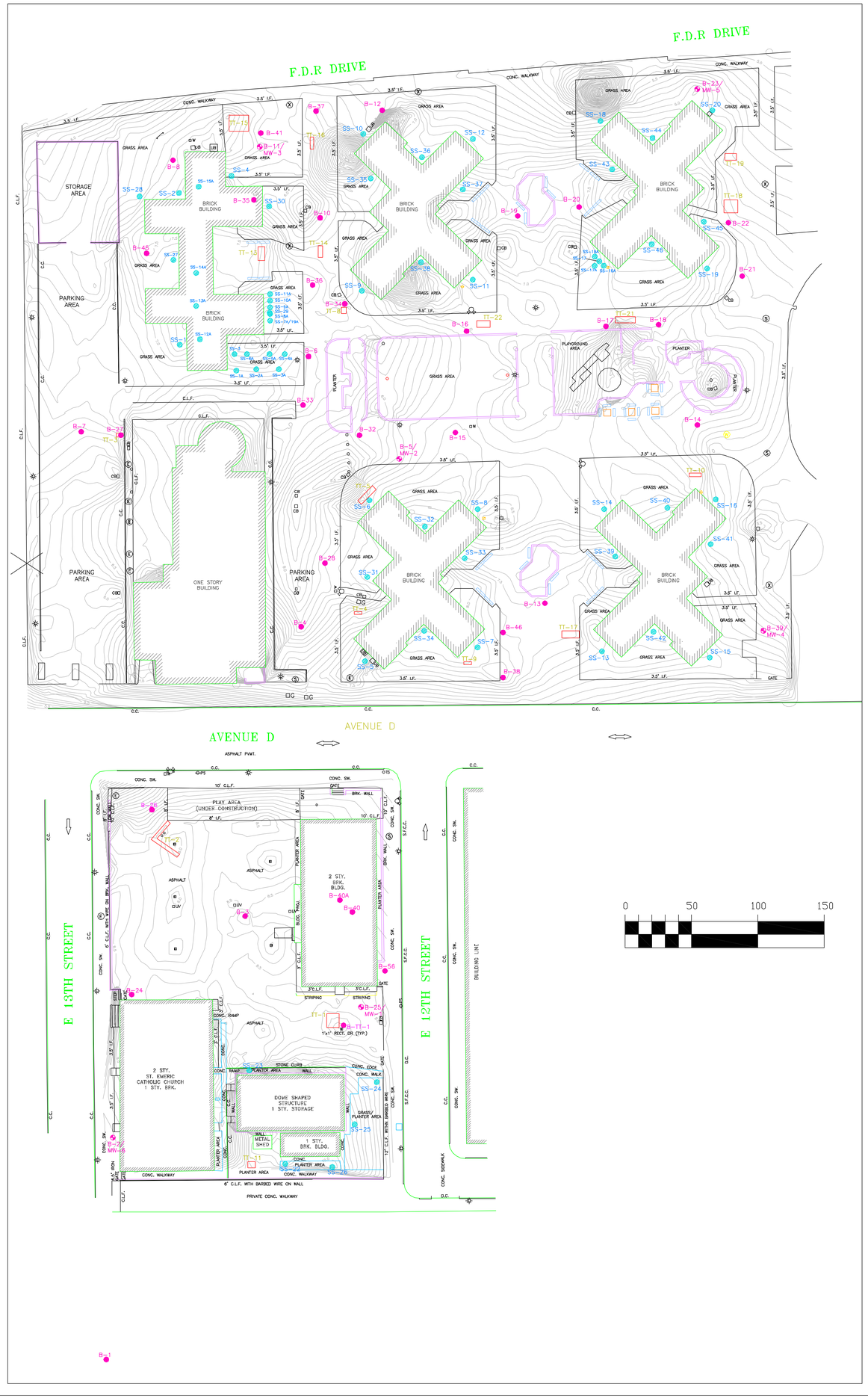
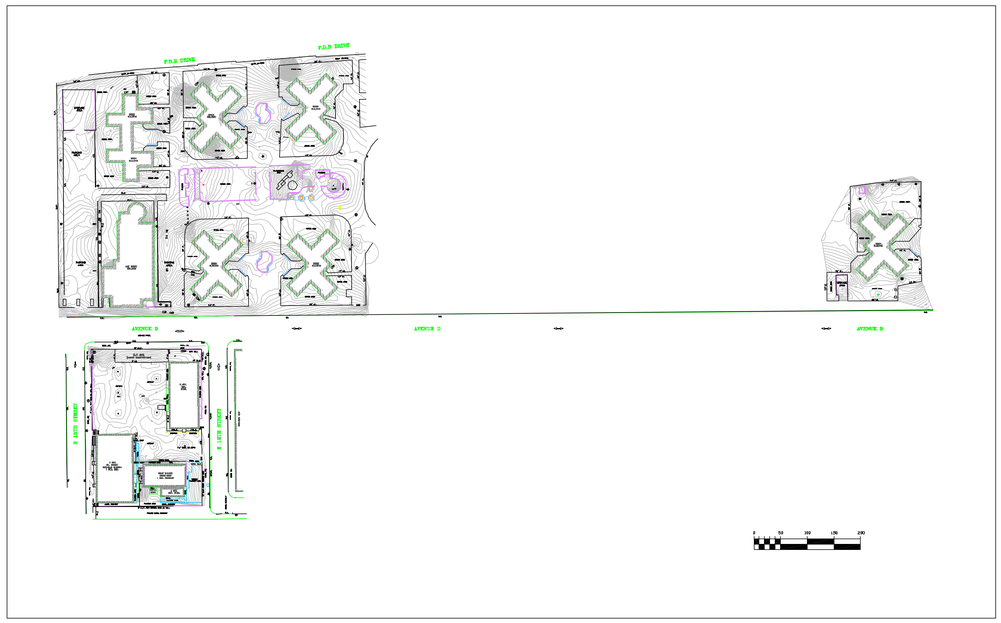
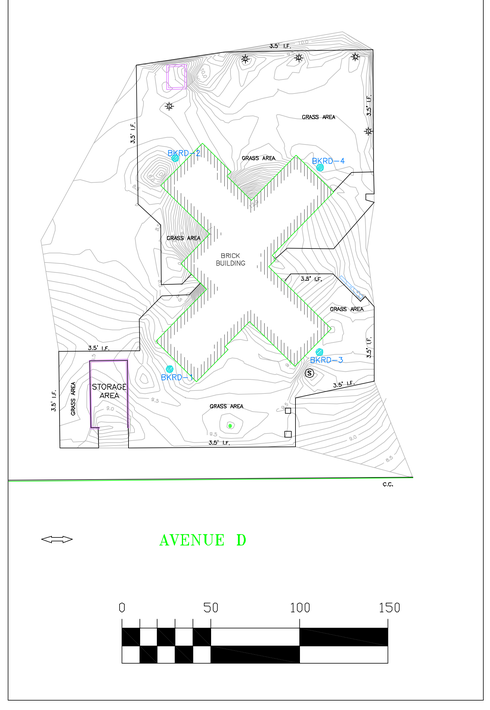

F.D.R DRIVE
CONC. WALKWAY
GRASS AREA
STORAGE AREA
PARKING AREA
BRICK BUILDING
ONE STORY BUILDING
PLAYGROUND AREA
PLANTER
GATE
C.L.F.
C.C.
AVENUE D
ASPHALT PVMT.
PLAY AREA (UNDER CONSTRUCTION)
2 STY. BRK. BLDG.
1 STY. BRK. BLDG.
2 STY. ST. EMERIC CATHOLIC CHURCH 1 STY. BRK.
DOME SHAPED STRUCTURE 1 STY. STORAGE
METAL SHED
E 13TH STREET
E 12TH STREET
6' C.L.F. WITH BARBED WIRE ON WALL
PRIVATE CONC. WALKWAY
BUILDING LINE
0 50 100 150





Legend

- BUILDING
- WALLS
- FENCE
- CATCHBASIN
- FIRE HYDRANT
- VALVE
- DEPRESSED CURB
- EDGE OF GRASS
- MANHOLES
- SOIL BORING LOCATION — B-1
- SOIL BORING AND MONITORING WELL LOCATION — B-11/MW-3
- SURFACE SOIL SAMPLE LOCATION — SS-1
- TEST TRENCH LOCATION — TT-1
- BACKGROUND SURFACE SOIL SAMPLE LOCATION — BKRD-1

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Figure 3
Site Characterization Study Sample Locations

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JOB NO.:	FIGURE:

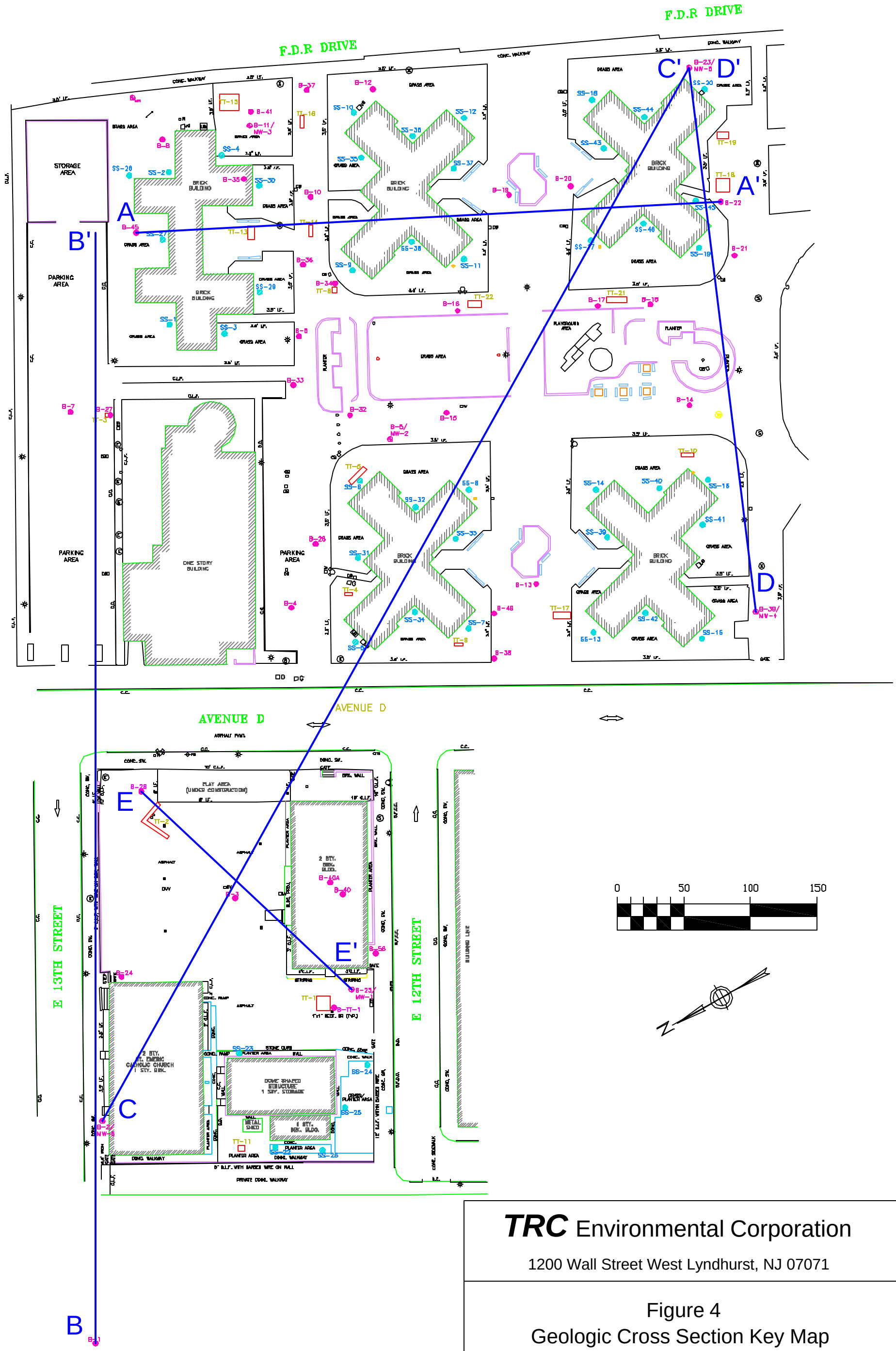

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Figure 4
Geologic Cross Section Key Map

PREPARED BY:	DATE:
JOB NO.:	FIGURE:

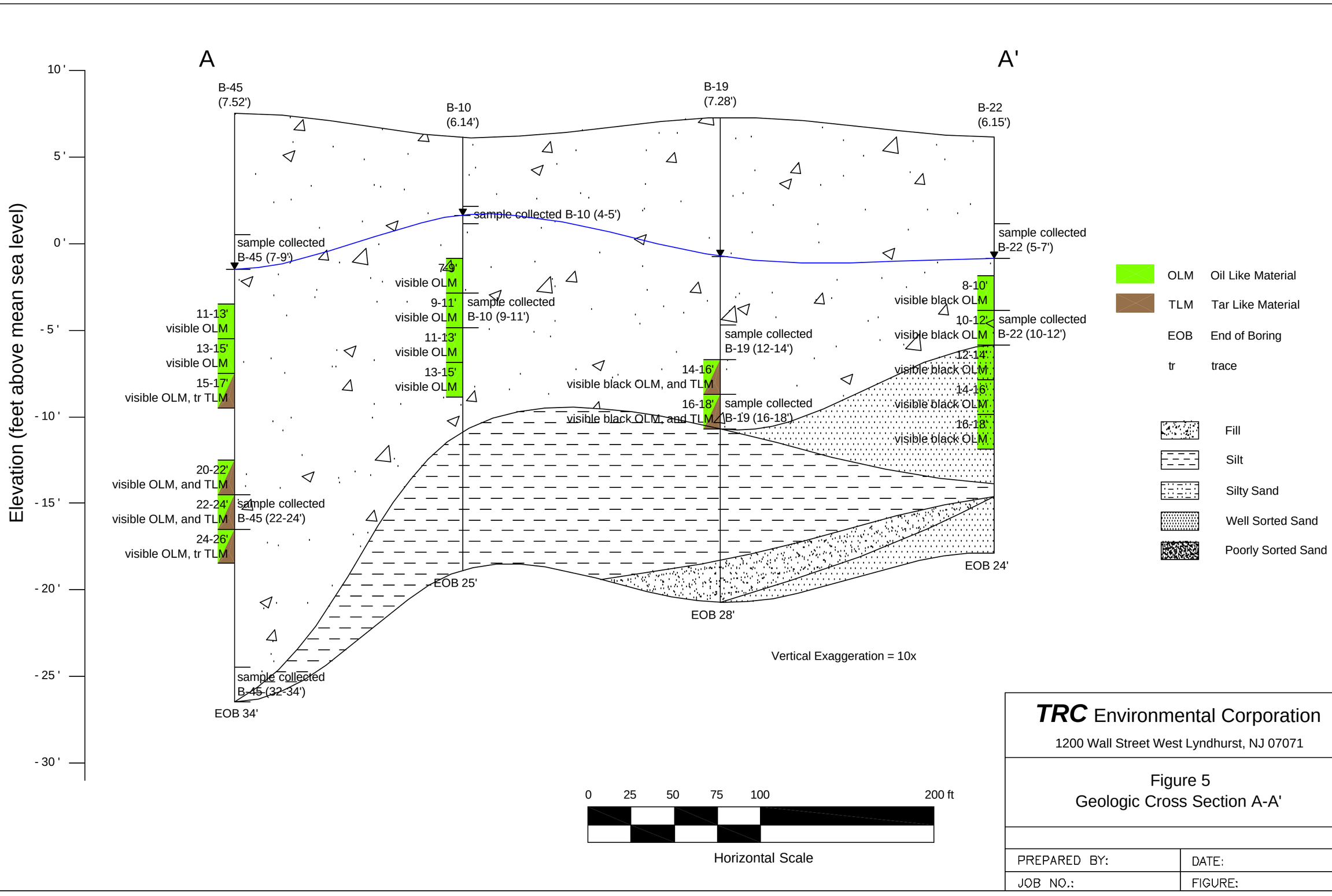

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Figure 5
Geologic Cross Section A-A'

PREPARED BY:	DATE:
JOB NO.:	FIGURE:

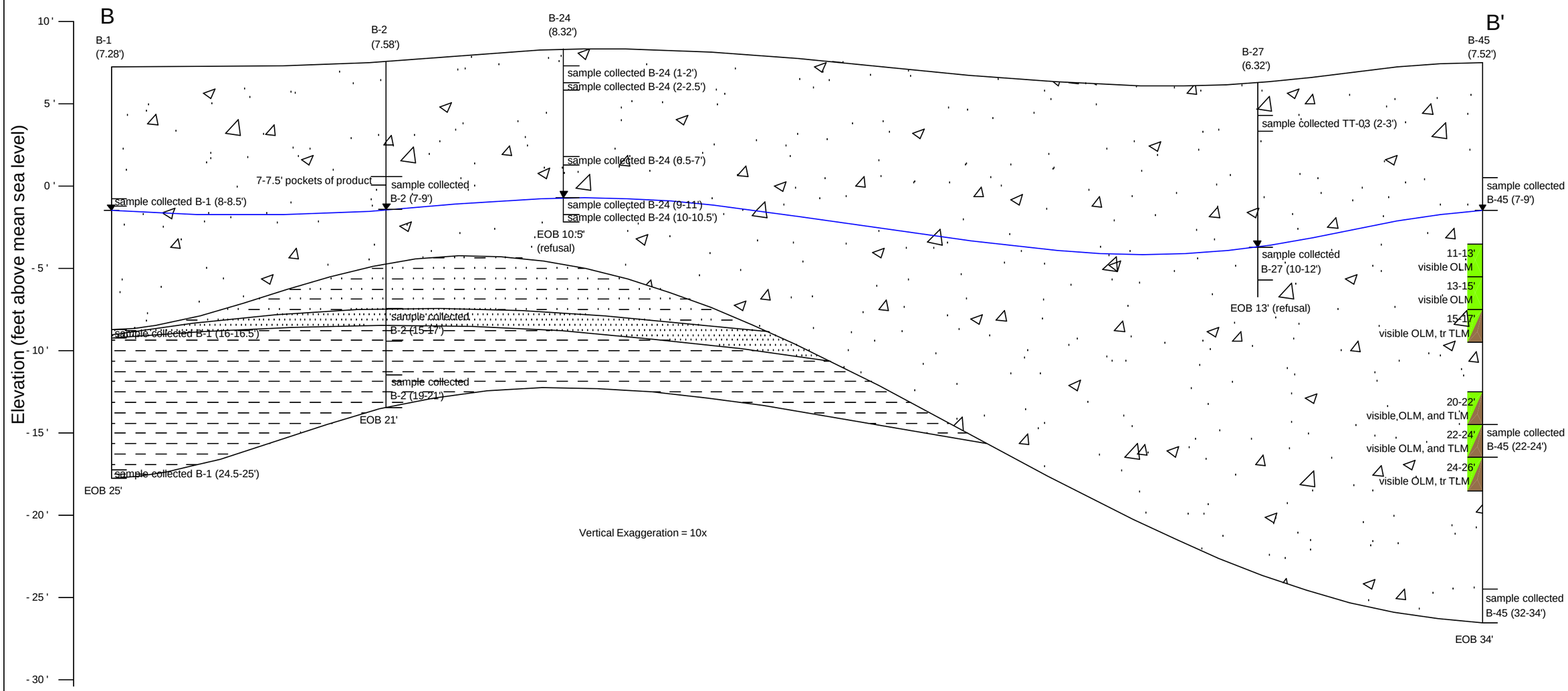

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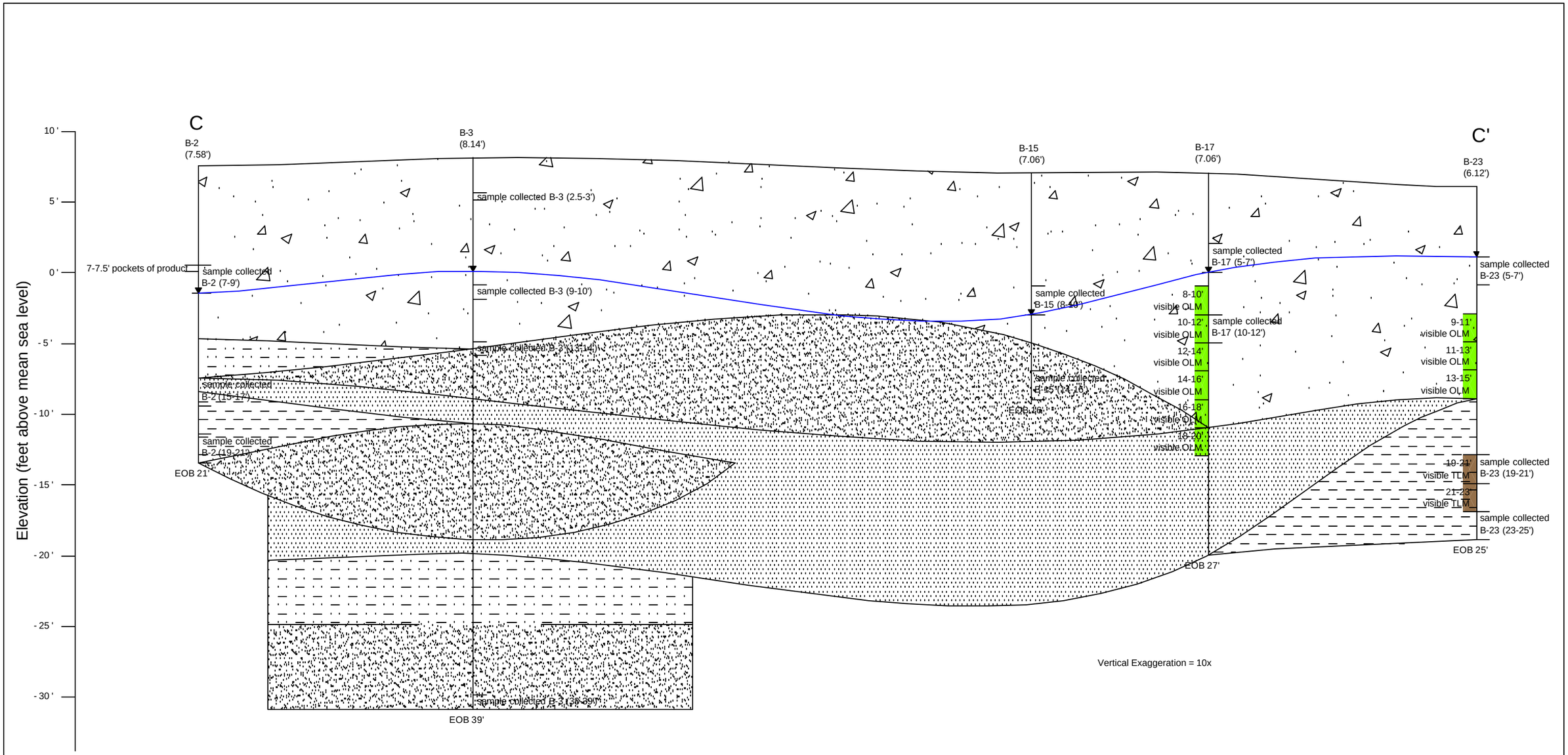
Figure 6
Geologic Cross Section B-B'

PREPARED BY:	DATE:
JOB NO.:	FIGURE:



OLM Oil Like Material

TLM Tar Like Material

EOB End of Boring

tr trace

Fill

Silt

Silty Sand

Well Sorted Sand

Poorly Sorted Sand

0 25 50 75 100 200 ft

Horizontal Scale

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Figure 7
Geologic Cross Section C-C'

PREPARED BY:	DATE:
JOB NO.:	FIGURE:

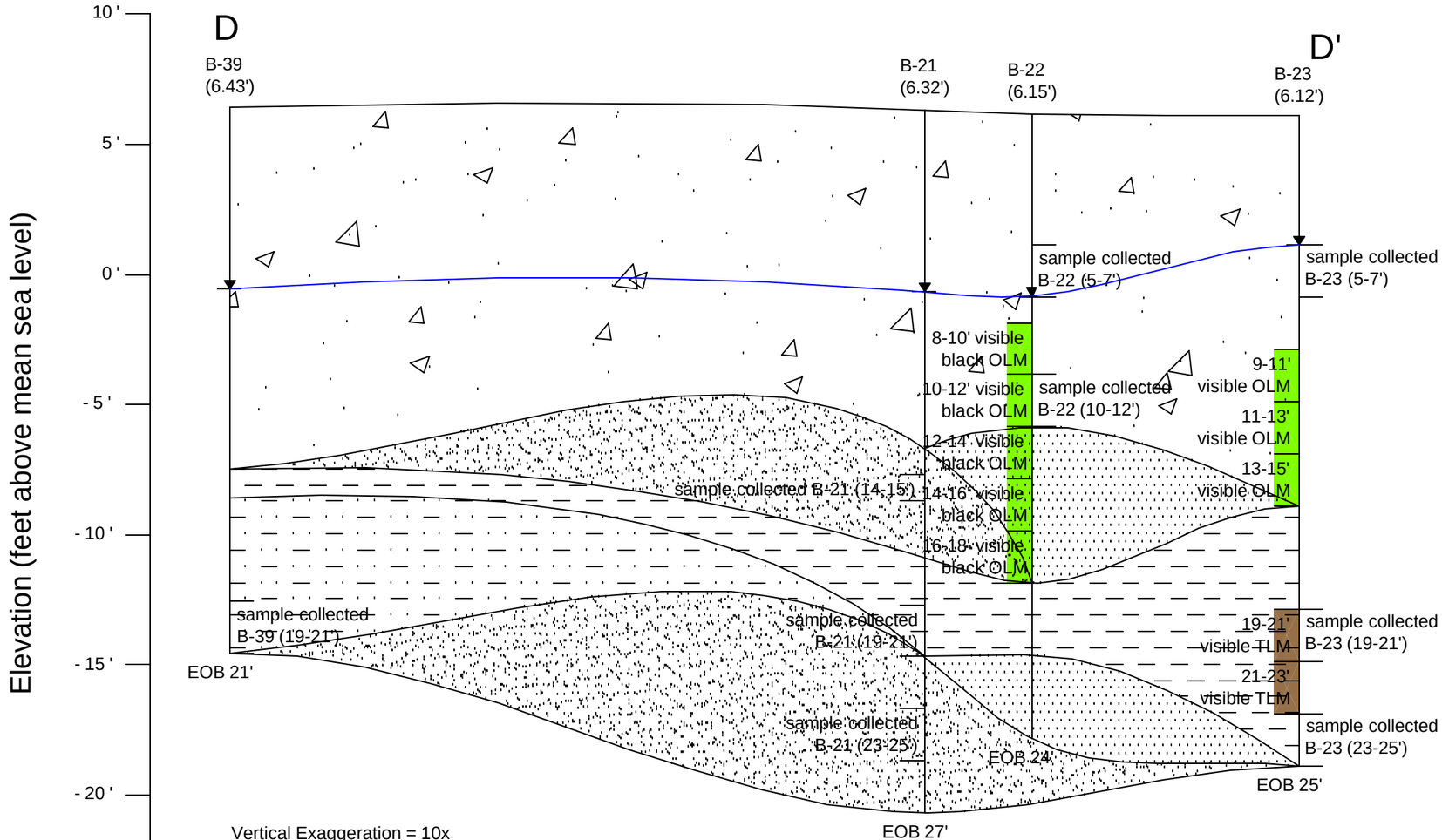

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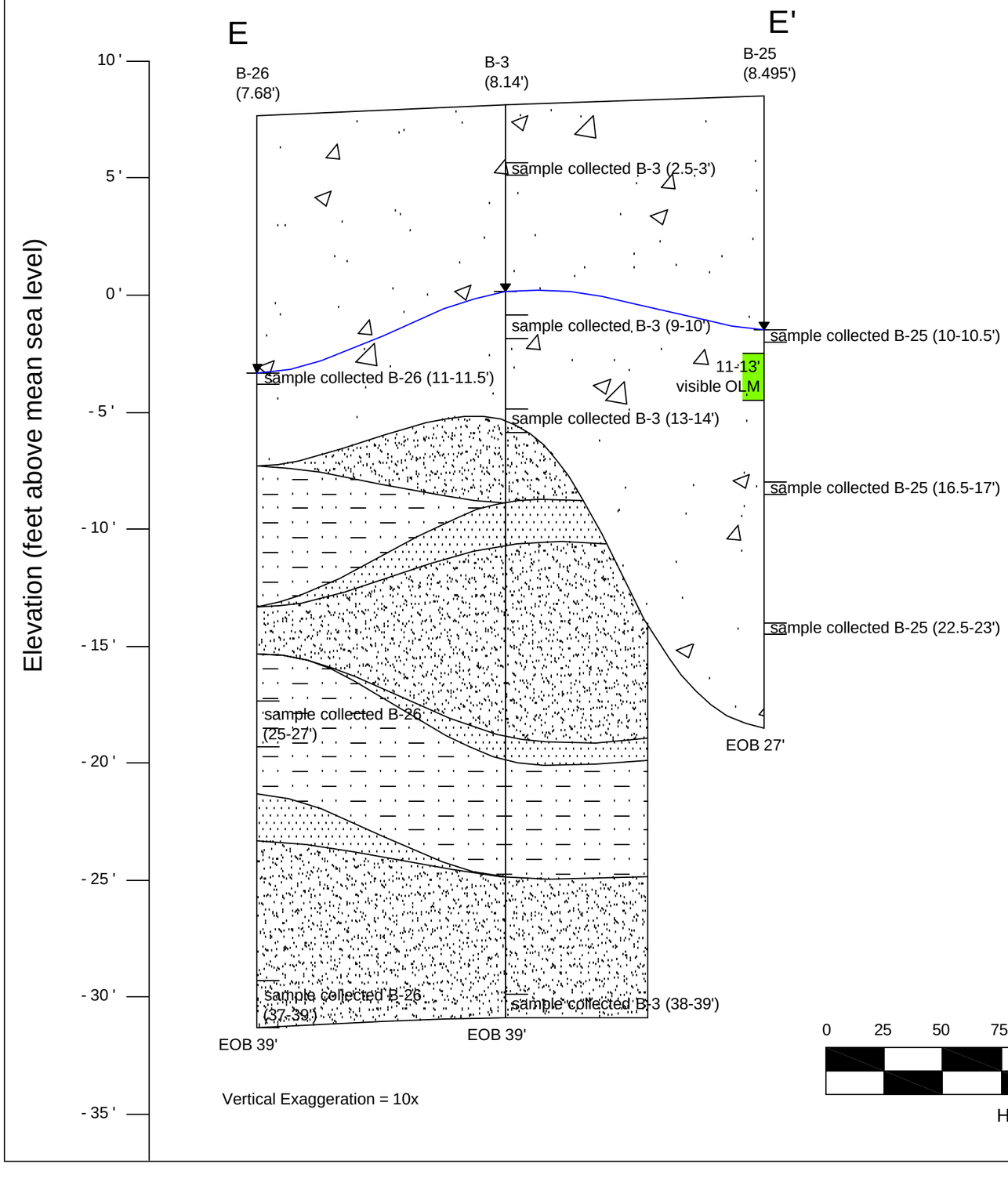
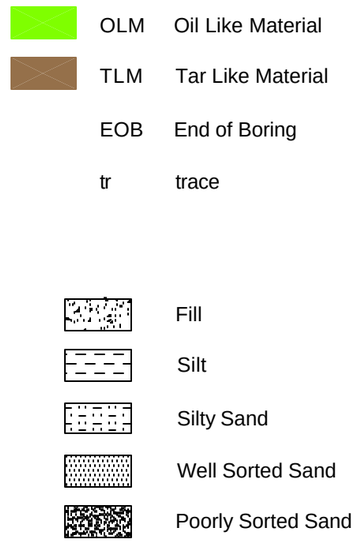
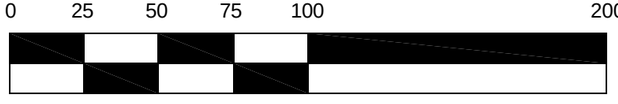
Figure 8
Geologic Cross Section D-D'

PREPARED BY:	DATE:
JOB NO.:	FIGURE:





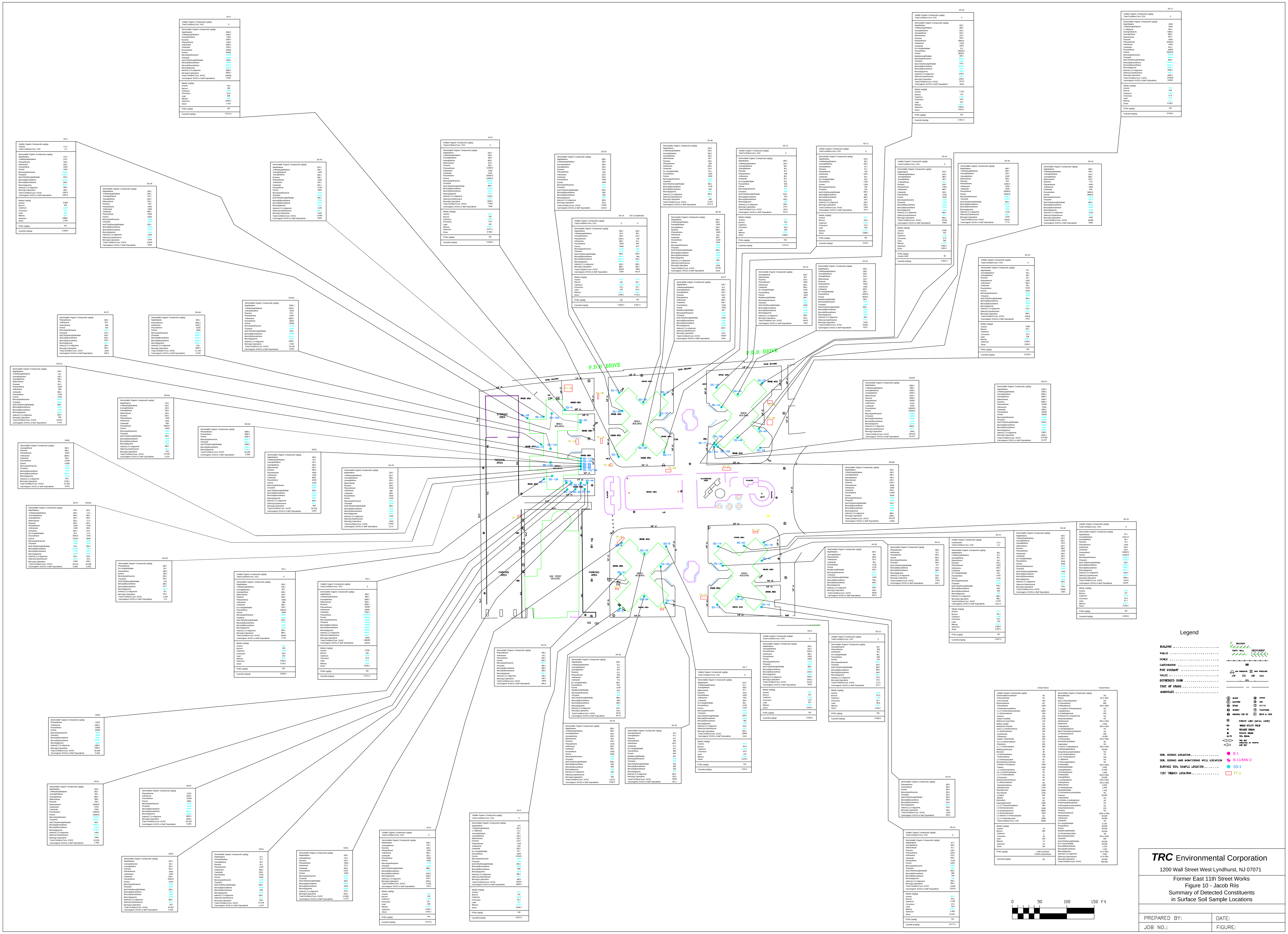


TRC Environmental Corporation

1200 Wall Street West Lyndhurst, NJ 07071

Figure 9
Geologic Cross Section E-E'

PREPARED BY:	DATE:
JOB NO.:	FIGURE:



TRC Environmental Corporation

1200 Wall Street West Lyndhurst, NJ 07071

Former East 11th Street Works
Figure 10 - Jacob Riis
Summary of Detected Constituents
in Surface Soil Sample Locations

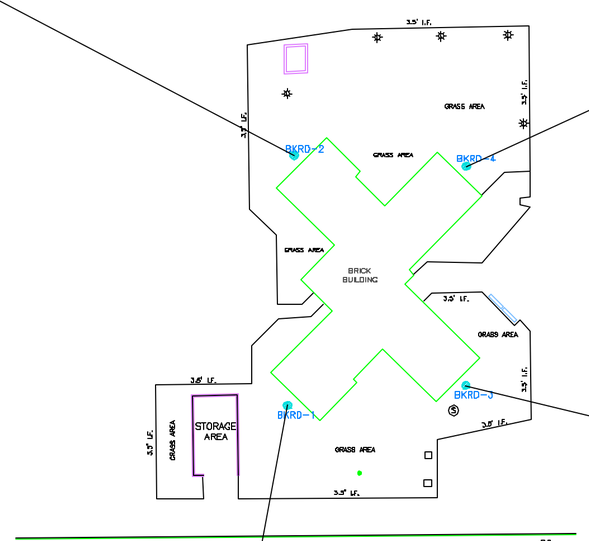
PREPARED BY:	DATE:
JOB NO.:	FIGURE:

BKRDSS-02

Volatile Organic Compounds (ug/kg)	
Total Confident Conc. VOC	0
Semivolatile Organic Compounds (ug/kg)	
Naphthalene	350 J
Acenaphthylene	290 J
Acenaphthene	290 J
Dibenzofuran	180 J
Fluorene	300 J
Phenanthrene	5200
Anthracene	1100 J
Carbazole	470 J
Fluoranthene	8500
Pyrene	6400
Benzo(a)anthracene	*3600*
Chrysene	*3300*
bis(2-Ethylhexyl)phthalate	1600 J
Benzo(b)fluoranthene	*3800*
Benzo(k)fluoranthene	*1400 J*
Benzo(a)pyrene	*3200*
Indeno(1,2,3-cd)pyrene	1100 J
Benzo(g,h,i)perylene	1300 J
Total Confident Conc. SVOC	42380
Carcinogenic SVOCs in BaP Equivalents	4097
Metals (mg/kg)	
Arsenic	10.4
Barium	125
Cadmium	*1.170*
Chromium	16.9
Lead	76.0
Mercury	*0.38*
Silver	2.630
PCBs (ug/kg)	ND
Cyanide (mg/kg)	0.6U

BKRDSS-04

Volatile Organic Compounds (ug/kg)	
Toluene	1.6 J
Total Confident Conc. VOC	1.6
Semivolatile Organic Compounds (ug/kg)	
Naphthalene	270 J
2-Methylnaphthalene	140 J
Acenaphthylene	280 J
Acenaphthene	250 J
Dibenzofuran	180 J
Fluorene	310 J
Phenanthrene	4100
Anthracene	840
Carbazole	400 J
Di-n-butylphthalate	150 J
Fluoranthene	5600
Pyrene	4600
Butylbenzylphthalate	530 J
Benzo(a)anthracene	*2900*
Chrysene	*2600*
bis(2-Ethylhexyl)phthalate	1100
Benzo(b)fluoranthene	*3000*
Benzo(k)fluoranthene	*1500*
Benzo(a)pyrene	*2400*
Indeno(1,2,3-cd)pyrene	520 J
Dibenz(a,h)anthracene	*88 J*
Benzo(g,h,i)perylene	720 J
Total Confident Conc. SVOC	32478
Carcinogenic SVOCs in BaP Equivalents	3171
Metals (mg/kg)	
Arsenic	*27.9*
Barium	311
Cadmium	*2.410*
Chromium	*40.9*
Lead	278
Mercury	*0.69*
Selenium	0.866 J
Silver	0.623 J
PCBs (ug/kg)	ND
Cyanide (mg/kg)	0.573U



TAGM RSCO

Volatile Organic Compounds (ug/kg)	
Dichlorodifluoromethane	NC
Chloromethane	NC
Vinyl Chloride	200
Bromomethane	NC
Chloroethane	1900
Trichlorofluoromethane	NC
1,1,2-Trichlorotrifluoroethane	6000
1,1-Dichloroethene	400
Acetone	200
Carbon Disulfide	2700
Methyl tert-butyl Ether	120
Methyl Acetate	NC
Methylene Chloride	100
trans-1,2-Dichloroethene	300
1,1-Dichloroethane	200
Cyclohexane	NC
2-Butanone	300
Carbon Tetrachloride	600
cis-1,2-Dichloroethene	NC
Chloroform	300
1,1,1-Trichloroethane	800
Methylcyclohexane	NC
Benzene	60
1,2-Dichloroethane	200
Trichloroethene	700
1,2-Dichloropropane	NC
Bromodichloromethane	NC
4-Methyl-2-Pentanone	1000
Toluene	1500
t-1,3-Dichloropropene	NC
cis-1,3-Dichloropropene	NC
1,1,2-Trichloroethane	NC
2-Hexanone	NC
Dibromochloromethane	NA
1,2-Dibromoethane	NC
Tetrachloroethene	1400
Chlorobenzene	1700
Ethyl Benzene	5500
m/p-Xylenes	1200
o-Xylene	600
Styrene	NC
Bromoform	NC
Isopropylbenzene	2300
1,1,2,2-Tetrachloroethane	600
1,3-Dichlorobenzene	1600
1,4-Dichlorobenzene	8500
1,2-Dichlorobenzene	7900
1,2-Dibromo-3-Chloropropane	NC
1,2,4-Trichlorobenzene	3400
Total Confident Conc. VOC	10000
Metals (mg/kg)	
Arsenic	12
Barium	600
Cadmium	1
Chromium	40
Lead	500
Mercury	0.1
Selenium	3.9
Silver	SB
PCBs (ug/kg)	1,000 (surface)/ 10,000 (subsurface)
Cyanide (mg/kg)	NC

TAGM RSCO

Semivolatile Organic Compounds (ug/kg)	
Benzaldehyde	NC
Phenol	30 or MDL
bis(2-Chloroethyl)ether	NC
2-Chlorophenol	800
2-Methylphenol	100 or MDL
2,2-oxybis(1-Chloropropane)	NC
Acetophenone	NC
3+4-Methylphenols	900
N-Nitroso-di-n-propylamine	NC
Hexachloroethane	NC
Nitrobenzene	200 or MDL
Isophorone	4,400
2-Nitrophenol	330 or MDL
2,4-Dimethylphenol	NC
bis(2-Chloroethoxy)methane	NC
2,4-Dichlorophenol	400
Naphthalene	13,000
4-Chloroaniline	220 or MDL
Hexachlorobutadiene	NC
Caprolatam	NC
4-Chloro-3-methylphenol	240 or MDL
2-Methylnaphthalene	36,400
Hexachlorocyclopentadiene	NC
2,4,6-Trichlorophenol	NC
2,4,5-Trichlorophenol	100
1,1-Biphenyl	NC
2-Chloronaphthalene	NC
2-Nitroaniline	430 or MDL
Dimethylphthalate	2,000
Acenaphthylene	41,000
2,6-Dinitrotoluene	1,000
3-Nitroaniline	500 or MDL
Acenaphthene	50,000
2,4-Dinitrophenol	200 or MDL
4-Nitrophenol	100 or MDL
Dibenzofuran	6,200
2,4-Dinitrotoluene	1,000
Diethylphthalate	7,100
4-Chlorophenyl-phenylether	NC
Fluorene	50,000
4-Nitroaniline	NC
4,6-Dinitro-2-methylphenol	NC
N-Nitrosodiphenylamine	NC
4-Bromophenyl-phenylether	NC
Hexachlorobenzene	410
Atrazine	NC
Pentachlorophenol	1000 or MDL
Phenanthrene	50,000
Anthracene	50,000
Carbazole	NC
Di-n-butylphthalate	8,100
Fluoranthene	50,000
Pyrene	50,000
Butylbenzylphthalate	50,000
3,3-Dichlorobenzidine	NA
Benzo(a)anthracene	224 or MDL
Chrysene	400
bis(2-Ethylhexyl)phthalate	50,000
Di-n-octyl phthalate	50,000
Benzo(b)fluoranthene	1,100
Benzo(k)fluoranthene	1,100
Benzo(a)pyrene	61 or MDL
Indeno(1,2,3-cd)pyrene	3,200
Dibenz(a,h)anthracene	14 or MDL
Benzo(g,h,i)perylene	50,000
Total Confident Conc. SVOC	500,000

BKRDSS-01

Volatile Organic Compounds (ug/kg)	
Total Confident Conc. VOC	0
Semivolatile Organic Compounds (ug/kg)	
Naphthalene	130 J
Acenaphthylene	130 J
Acenaphthene	110 J
Dibenzofuran	81 J
Fluorene	140 J
Phenanthrene	2000
Anthracene	400 J
Carbazole	200 J
Fluoranthene	2900
Pyrene	2400
Benzo(a)anthracene	*1400*
Chrysene	*1300*
bis(2-Ethylhexyl)phthalate	370 J
Benzo(b)fluoranthene	*1200*
Benzo(k)fluoranthene	690
Benzo(a)pyrene	*1100*
Indeno(1,2,3-cd)pyrene	380 J
Benzo(g,h,i)perylene	420 J
Total Confident Conc. SVOC	15351
Carcinogenic SVOCs in BaP Equivalents	1417.9
Metals (mg/kg)	
Arsenic	10.2
Barium	135
Cadmium	0.718
Chromium	11.9
Lead	95.4
Mercury	*0.27*
Silver	0.511 J
PCBs (ug/kg)	ND
Cyanide (mg/kg)	0.52U

BKRDSS-03

Volatile Organic Compounds (ug/kg)	
Total Confident Conc. VOC	0
Semivolatile Organic Compounds (ug/kg)	
Naphthalene	750 J
Acenaphthylene	400 J
Phenanthrene	8600
Anthracene	1800 J
Carbazole	1200 J
Fluoranthene	17000
Pyrene	13000
Benzo(a)anthracene	*6900*
Chrysene	*6900*
Benzo(b)fluoranthene	*7100*
Benzo(k)fluoranthene	*3000 J*
Benzo(a)pyrene	*3500 J*
Indeno(1,2,3-cd)pyrene	1100 J
Benzo(g,h,i)perylene	1800 J
Total Confident Conc. SVOC	73050
Carcinogenic SVOCs in BaP Equivalents	5109
Metals (mg/kg)	
Arsenic	*16.4*
Barium	425
Cadmium	*2.110*
Chromium	22.2
Lead	433
Mercury	*0.93*
Selenium	0.471 J
Silver	1.360
PCBs (ug/kg)	ND
Cyanide (mg/kg)	0.584 U

Legend

BUILDING

WALLS — BUILDING; PARTY WALL; INDEPENDENT

FENCE

CATCHBASIN

FIRE HYDRANT — LOW PRESSURE; HIGH PRESSURE

VALVE — GV; GS; SV; UV

DEPRESSED CURB — D.C.

EDGE OF GRASS

MANHOLES

SEWER; WATER; ELECTRIC; GAS; STEAM; N.Y.F.D.; SUBWAY; TELEPHONE; MANHOLE (NO ID); BECO or CTES

STREET LIGHT (METAL LIGHT)

WOOD UTILITY POLE

SQUARE DRAIN

ROUND DRAIN

PED. SIGNAL

TWO WAY DIRECTION OF TRAFFIC; ONE WAY

SOIL BORING LOCATION — B-1

SOIL BORING AND MONITORING WELL LOCATION — B-11/MW-3

SURFACE SOIL SAMPLE LOCATION — SS-1

TEST TRENCH LOCATION — TT-1

Notes:

All surface soil samples were collected from the 2 inch interval directly below vegetative cover.

17,000	Result exceeds soil cleanup criterion (TAGM RSCO)
J	Estimated value
ND	Not Detected
U	Not Detected
ug/kg	micrograms per kilogram All volatile, semi-volatile, and PCB results are in ug/kg.
mg/kg	milligrams per kilogram All metals and cyanide result concentrations are in mg/kg.
Cleanup Criterion	New York State Technical Assistance Guidance Memorandum (TAGM) 4046, January 24, 1994, and December 2000 Revisions, Residential Soil Cleanup Objectives (RSCO) and Revisions (1998).

0 50 100 150 ft

TRC Environmental Corporation

1200 Wall Street West Lyndhurst, NJ 07071

Former East 11th Street Works
Figure 11 - Jacob Riis
Summary of Detected Constituents
in Background Surface Soil Sample Locations

PREPARED BY:	DATE:
JOB NO.:	FIGURE:

Compound	B08 5-7'	B08 12-14'
Volatile Organic Compounds (ug/kg)		
Cyclohexane	0.37 U	100 J
Methylcyclohexane	0.43 U	5.7 J
Benzene	0.25 U	130
Isopropylbenzene	0.45 U	5200 D
Total Confident Conc. VOC	0	5436
Semivolatile Organic Compounds (ug/kg)		
Naphthalene	900 J	110 U
2-Methylnaphthalene	480 J	10000 J
Acenaphthylene	1200 J	9300 J
Acenaphthene	44 U	12000 J
Fluorene	620 J	1400 J
Phenanthrene	3600	15000
Anthracene	940 J	28000
Di-n-butylphthalate	910 J	1300 J
Fluoranthene	3800	35000
Pyrene	4100	69000 D
Benzo(a)anthracene	2100	23000
Chrysene	2200	22000
bis(2-Ethylhexyl)phthalate	250 J	120 U
Benzo(b)fluoranthene	1900 J	14000
Benzo(k)fluoranthene	1700 J	11000
Benzo(a)pyrene	2200	25000
Indeno(1,2,3-cd)pyrene	530 J	2500 J
Dibenz(a,h)anthracene	58 UJ	830 J
Benzo(g,h,i)perylene	870 J	6100
Total Confident Conc. SVOC	28300	286430
Carcinogenic SVOCs in BaP Equivalents	2750	30210
Metals (mg/kg)		
Arsenic	9.7 J	9.6 J
Barium	178 J	67.9 J
Cadmium	0.55 J	0.23 J
Chromium	28.7	20.1
Lead	309 J	163 J
Mercury	0.53 J	0.56 J
Selenium	0.56 J	0.50 U
PCBs (ug/kg)	ND	ND
Cyanide (mg/kg)	0.606 U	0.804 U

Compound	B35 5-7'
Volatile Organic Compounds (ug/kg)	
Benzene	12 J
Toluene	15 J
Ethyl Benzene	9.8 J
m/p-Xylenes	13 J
o-Xylene	2.8 J
Total Confident Conc. VOC	52.6
Semivolatile Organic Compounds (ug/kg)	
Naphthalene	1200 J
Acenaphthylene	2100 J
Phenanthrene	4500 J
Anthracene	960 J
Fluoranthene	4300 J
Pyrene	7400 J
Benzo(a)anthracene	3400 J
Chrysene	3600 J
Benzo(b)fluoranthene	4500 J
Benzo(k)fluoranthene	1800 J
Benzo(a)pyrene	4100 J
Indeno(1,2,3-cd)pyrene	1000 J
Dibenz(a,h)anthracene	240 U
Benzo(g,h,i)perylene	1500 J
Total Confident Conc. SVOC	40360
Carcinogenic SVOCs in BaP Equivalents	5044
Metals (mg/kg)	
Arsenic	3.6
Barium	321
Cadmium	0.99
Chromium	11.0
Lead	564 J
Mercury	0.42 J
PCBs (ug/kg)	ND
Cyanide (mg/kg)	0.625 U

Compound	B11 2-3'	B11 8-10'	B60 (duplicate) 8-10'	B11 18-20'	B11 26-28'
Volatile Organic Compounds (ug/kg)					
Chloromethane	0.39 UJ	0.82 UJ	160 J	190 J	0.50 UJ
Methylene Chloride	0.80 UJ	1.7 UJ	96 UJ	120 UJ	2.8 J
Cyclohexane	3.2 J	110	57 UJ	500 J	0.46 UJ
Benzene	0.24 UJ	220 J	210 J	8800 J	27 J
Toluene	0.30 UJ	26 J	60 UJ	9600 J	24 J
Ethyl Benzene	0.29 UJ	2400 J	6900 J	30000 J	74 J
m/p-Xylenes	0.60 UJ	1.3 UJ	390 J	24000 J	79 J
o-Xylene	0.51 UJ	130 J	700 J	11000 J	46 J
Isopropylbenzene	0.44 UJ	1800 J	5100 J	5800 J	18 J
Total Confident Conc. VOC	3.2	4686	13460	89800	270.8
Semivolatile Organic Compounds (ug/kg)					
Naphthalene	840 U	40000 D	78000 D	110000 D	170 J
2-Methylnaphthalene	670 U	16000	29000	51000	73 J
1,1-Biphenyl	1100 U	1500 J	2600 J	11000	15 U
Acenaphthylene	1200 U	1000 J	1900 J	7300 J	15 U
Acenaphthene	850 U	12000	21000	38000	100 J
Dibenzofuran	1300 U	1100 J	2200 J	20000	56 J
2,4-Dinitrotoluene	770 U	2700 J	5100 J	11000	9.9 U
Fluorene	1100 U	6100	11000	35000	150 J
Phenanthrene	17000 J	20000	36000	110000 D	720
Anthracene	4400 U	4300	8300	28000	230 J
Carbazole	850 U	90 UJ	180 UJ	8600 J	68 J
Fluoranthene	22000 J	6000	11000	52000	790
Pyrene	21000 J	10000	18000	48000	720
Benzo(a)anthracene	19000 J	3700 J	6600 J	22000	510
Chrysene	22000 J	3400 J	5900 J	17000	440 J
bis(2-Ethylhexyl)phthalate	890 U	94 U	190 U	230 U	220 J
Benzo(b)fluoranthene	11000 J	2500 J	4800 J	21000	550
Benzo(k)fluoranthene	6300 J	1100 J	2200 J	6700 J	190 J
Benzo(a)pyrene	19000 J	2900 J	5200 J	16000	510
Indeno(1,2,3-cd)pyrene	940 U	430 J	200 U	2900 J	200 J
Dibenz(a,h)anthracene	1100 U	120 U	240 U	1500 J	78 J
Benzo(g,h,i)perylene	1700 U	650 J	1200 J	3600 J	230 J
Total Confident Conc. SVOC	112700	135280	250000	630600	6005
Carcinogenic SVOCs in BaP Equivalents	12273	3508	6421	22327	720.3
Metals (mg/kg)					
Arsenic	17.8	11.5	6.0	3.7	11.3
Barium	385	191	105	52.7	169
Cadmium	1.4	2.5	1.8	0.66 J	1.3
Chromium	14.0	28.0	13.3	11.0	21.8
Lead	1890 J	367 J	221 J	150 J	566 J
Mercury	1.3 D	0.41 J	0.24 J	0.40 J	4.2 J
Selenium	1.5	0.38 U	0.39 U	0.74 J	0.47 U
PCBs (ug/kg)	ND	ND	ND	ND	ND
Cyanide (mg/kg)	0.592 U	0.617 U	0.618 U	0.757 U	0.763 U

Compound	B41 3-5'
Volatile Organic Compounds (ug/kg)	
Benzene	11 J
Toluene	4.6 J
Ethyl Benzene	9.2 J
m/p-Xylenes	6.4 J
o-Xylene	2.3 J
Total Confident Conc. VOC	33.5
Semivolatile Organic Compounds (ug/kg)	
Naphthalene	170 J
2-Methylnaphthalene	72 J
Acenaphthylene	170 J
Acenaphthene	190 J
Dibenzofuran	56 J
Fluorene	190 J
Phenanthrene	1200
Anthracene	310 J
Carbazole	62 J
Di-n-butylphthalate	120 J
Fluoranthene	1000
Pyrene	1300
Butylbenzylphthalate	70 J
Benzo(a)anthracene	630
Chrysene	610
bis(2-Ethylhexyl)phthalate	490
Benzo(b)fluoranthene	560
Benzo(k)fluoranthene	240 J
Benzo(a)pyrene	480
Indeno(1,2,3-cd)pyrene	150 J
Dibenz(a,h)anthracene	53 J
Benzo(g,h,i)perylene	160 J
Total Confident Conc. SVOC	8283
Carcinogenic SVOCs in BaP Equivalents	675.5
Metals (mg/kg)	
Arsenic	10.2
Barium	127
Cadmium	1.7
Chromium	24.1
Lead	1140 J
Mercury	0.18 J
PCBs (ug/kg)	
Aroclor 1254	31
Cyanide (mg/kg)	0.589 U

Compound	B37 5-7'	B37 11-13'
Volatile Organic Compounds (ug/kg)		
Methylcyclohexane	0.41 U	12000 J
Benzene	2.2 J	6200 J
Toluene	3.0 J	7400 J
Ethyl Benzene	4.0 J	310000
m/p-Xylenes	2.6 J	140000
o-Xylene	1.3 J	75000
Isopropylbenzene	0.43 U	13000 J
Total Confident Conc. VOC	13.1	563600
Semivolatile Organic Compounds (ug/kg)		
Naphthalene	50000 J	28000 J
2-Methylnaphthalene	36000 J	9600 J
1,1-Biphenyl	110 U	1500
Acenaphthylene	500 J	800 J
Acenaphthene	1700 J	4100 J
Dibenzofuran	390 J	490 J
Fluorene	4000 J	3600 J
Phenanthrene	15000	12000 D
Anthracene	2200 J	2700 J
Carbazole	84 U	230 J
Fluoranthene	2900 J	3100 J
Pyrene	6300	5100 D
Benzo(a)anthracene	1700 J	1600 J
Chrysene	1600 J	1700
bis(2-Ethylhexyl)phthalate	87 U	120 J
Benzo(b)fluoranthene	960 J	920 J
Benzo(k)fluoranthene	920 J	620 J
Benzo(a)pyrene	1700 J	640 J
Indeno(1,2,3-cd)pyrene	600 J	84 J
Dibenz(a,h)anthracene	110 U	12 UJ
Benzo(g,h,i)perylene	810 J	280 J
Total Confident Conc. SVOC	169280	73184
Carcinogenic SVOCs in BaP Equivalents	2051.2	923.6
Metals (mg/kg)		
Arsenic	5.4	3.4
Barium	75.6	65.6
Cadmium	1.7	0.26 J
Chromium	10.1	12.6
Lead	304	217
Mercury	0.14	0.11
Selenium	0.36 UJ	0.39 J
Silver	0.18 J	0.13 U
PCBs (ug/kg)	ND	ND
Cyanide (mg/kg)	0.573 U	0.616 U

Compound	B12 3-4'	B12 7-9'	B12 21-23'
Volatile Organic Compounds (ug/kg)			
Methylcyclohexane	0.4 U	3100	57000
Benzene	8.5	40 U	210000
Toluene	9.9	64 U	97000
Ethyl Benzene	4.2 J	13000	1300000
m/p-Xylenes	7.9	790 J	1200000
o-Xylene	2.0 J	1100	580000
Styrene	4.3 J	57 U	3800 U
Isopropylbenzene	0.42 U	4200	320000
Total Confident Conc. VOC	36.8	22190	3564000
Semivolatile Organic Compounds (ug/kg)			
Naphthalene	16000 J	100000 D	2600000 J
2-Methylnaphthalene	10000 J	26000 D	1800000 J
1,1-Biphenyl	1100 U	4500	870 U
Acenaphthylene	15000 J	2400	210000 J
3-Nitroaniline	5900 U	240 J	4700 U
Acenaphthene	810 U	34000 J	670000 J
Dibenzofuran	1200 U	1300	290000 J
Fluorene	5200 J	13000 J	670000 J
Phenanthrene	33000 J	35000 J	1200000 D
Anthracene	6600 J	11000 J	470000 J
Carbazole	810 U	19 U	56000 J
Fluoranthene	31000 J	9200 J	550000 J
Pyrene	49000 J	17000 J	520000 D
Benzo(a)anthracene	22000 J	5500 J	240000 J
Chrysene	25000 J	4900 J	210000 D
Benzo(b)fluoranthene	22000 J	3100 J	230000 J
Benzo(k)fluoranthene	11000 J	930 J	110000 J
Benzo(a)pyrene	27000 J	4400 J	280000 J
Indeno(1,2,3-cd)pyrene	9700 J	830 J	19000 J
Dibenz(a,h)anthracene	1100 U	440 J	7400 J
Benzo(g,h,i)perylene	14000 J	1200 J	43000 J
Total Confident Conc. SVOC	298500	274940	10514400
Carcinogenic SVOCs in BaP Equivalents	32630	5841.3	339400
Metals (mg/kg)			
Arsenic	9.0	6.3 J	9.2
Barium	151	30.9	205
Cadmium	0.62	0.52 J	0.61 J
Chromium	8.9	10.9 J	38.7
Lead	555 J	212	230
Mercury	3.1 D	0.12	0.19
Selenium	0.52 J	0.41 U	1.5 J
PCBs (ug/kg)	ND	ND	ND
Cyanide (mg/kg)	0.561 U	0.667 U	0.891 U

Compound	B19 12-14'	B19 16-18'
Volatile Organic Compounds (ug/kg)		
Acetone	19 J	560 U
Methylene Chloride	1.9 J	110 U
Methylcyclohexane	0.44 U	370 J
Benzene	12	2500
Ethyl Benzene	3.4 J	10000
m/p-Xylenes	2.9 J	4400
o-Xylene	2.0 J	2800
Isopropylbenzene	31	1900
Total Confident Conc. VOC	72.2	21970
Semivolatile Organic Compounds (ug/kg)		
Naphthalene	1100	1200000 D
2-Methylnaphthalene	190 J	380000 D
1,1-Biphenyl	750	260 U
Acenaphthylene	1100	31000
Acenaphthene	6300 J	290000 J
Dibenzofuran	300 J	11000
Fluorene	3610 J	160000 J
Phenanthrene	11000 J	347300 J
Anthracene	2400 J	102500 J
Carbazole	9.1 U	3000 J
Fluoranthene	3700 J	130000 J
Pyrene	6900 J	200000 J
Benzo(a)anthracene	2600 J	72000 J
Chrysene	2500 J	64000 J
bis(2-Ethylhexyl)phthalate	9.5 U	210
Benzo(b)fluoranthene	1600 J	48000 J
Benzo(k)fluoranthene	600 J	16000 J
Benzo(a)pyrene	2200 J	57000 J
Indeno(1,2,3-cd)pyrene	370 J	6500 J
Dibenz(a,h)anthracene	180 J	1900 J
Benzo(g,h,i)perylene	510 J	9800 J
Total Confident Conc. SVOC	47910	3126210
Carcinogenic SVOCs in BaP Equivalents	2868	71950
Metals (mg/kg)		
Arsenic	3.8 J	6.9 J
Barium	106	126
Cadmium	0.42 J	0.34 J
Chromium	22.2 J	13.3 J
Lead	255	220
Mercury	0.24	0.14
PCBs (ug/kg)	ND	ND
Cyanide (mg/kg)	0.623 U	0.672 U

Compound	B23 5-7'	B23 19-21'	B23 23-25'
Volatile Organic Compounds (ug/kg)			
Acetone	9.3 U	7500 U	180 J
Carbon Disulfide	0.13 U	890 U	7.2 J
Methyl Acetate	1.6 U	1900 U	2.0 J
Methylcyclohexane	0.44 U	1300 U	8
Benzene	0.25 U	68000	4.5 J
Toluene	0.32 U	91000	5.8 J
Ethyl Benzene	0.31 U	220000	59
m/p-Xylenes	0.64 U	300000	52
o-Xylene	0.54 U	120000	34
Styrene	0.39 U	9500 J	0.49 U
Isopropylbenzene	0.46 U	24000	79
Total Confident Conc. VOC	0	832500	431.5
Semivolatile Organic Compounds (ug/kg)			
Naphthalene	91 J	2100000 J	4000 J
2-Methylnaphthalene	47 J	1100000 J	1800 J
1,1-Biphenyl	12 U	880 U	270 J
Acenaphthylene	48 J	230000 J	360 J
Acenaphthene	9.0 U	630000 J	1600 J
Dibenzofuran	13 U	350000 J	580 J
2,4-Dinitrotoluene	8.2 U	270000 J	10 U
Fluorene	12 U	680000 J	1600 J
Phenanthrene	120 J	1300000 D	4500 D
Anthracene	9.8 U	680000 J	2300 J
Carbazole	9.0 U	130000 J	290 J
Di-n-butylphthalate	76 J	390 U	6.8 U
Fluoranthene	65 J	850000 J	3200 J
Pyrene	70 J	590000 D	3600
Benzo(a)anthracene	47 J	300000 J	1200 J
Chrysene	48 J	300000 D	1300
bis(2-Ethylhexyl)phthalate	110 J	680 U	170 J
Benzo(b)fluoranthene	51 J	290000 J	650 J
Benzo(k)fluoranthene	14 U	160000 J	670 J
Benzo(a)pyrene	42 J	290000 J	450 J
Indeno(1,2,3-cd)pyrene	9.9 U	28000 J	93 J
Dibenz(a,h)anthracene	12 U	23000 J	80 J
Benzo(g,h,i)perylene	18 U	57000 J	220 J
Total Confident Conc. SVOC	815	10416000	28941
Carcinogenic SVOCs in BaP Equivalents	52.28	488200	752
Metals (mg/kg)			
Arsenic	7.7	5.6	6.8
Barium	234	75.8	37.6
Cadmium	1.2	0.08 U	0.35 J
Chromium	8.0	15.0	21.9
Lead	435	140	105
Mercury	0.36	0.27	0.13
Selenium	0.64 J	2.1 J	0.89 J
PCBs (ug/kg)	ND	ND	ND
Cyanide (mg/kg)	0.626 U	0.912 U	0.784 U

Compound	TT-18 3-4'
Volatile Organic Compounds (ug/kg)	
Benzene	3.1 J
Toluene	2.8 J
m/p-Xylenes	2.1 J
Styrene	8.1
Total Confident Conc. VOC	16.1
Semivolatile Organic Compounds (ug/kg)	
Acenaphthylene	13000 J
Pyrene	14000 J
Benzo(a)anthracene	6000 J
Chrysene	9900 J
Benzo(b)fluoranthene	9400 J
Benzo(k)fluoranthene	9200 J
Benzo(a)pyrene	17000 J
Indeno(1,2,3-cd)pyrene	5100 J
Benzo(g,h,i)perylene	8400 J
Total Confident Conc. SVOC	92000
Carcinogenic SVOCs in BaP Equivalents	19241
Metals (mg/kg)	
Arsenic	9.1
Barium	132
Cadmium	0.08 J
Chromium	10.0
Lead	501 J
Mercury	1.0 D
PCBs (ug/kg)	ND
Cyanide (mg/kg)	0.600 U

Compound	TT-15 3-4'
Volatile Organic Compounds (ug/kg)	
Acetone	11 U
Carbon Disulfide	0.15 U
Benzene	0.30 U
Toluene	0.39 U
Ethyl Benzene	0.37 U
m/p-Xylenes	0.77 U
o-Xylene	0.64 U
Isopropylbenzene	0.55 U
Total Confident Conc. VOC	0
Semivolatile Organic Compounds (ug/kg)	
Naphthalene	710 J
2-Methylnaphthalene	260 J
1,1-Biphenyl	73 U
Acenaphthylene	1100 J
Acenaphthene	54 U
Dibenzofuran	81 U
Fluorene	70 U
Phenanthrene	1700 J
Anthracene	450 J
Carbazole	54 U
Di-n-butylphthalate	3000
Fluoranthene	2500
Pyrene	4200
Benzo(a)anthracene	2600
Chrysene	2900
Benzo(b)fluoranthene	3300
Benzo(k)fluoranthene	1100 J
Benzo(a)pyrene	3100
Indeno(1,2,3-cd)pyrene	1200 J
Dibenz(a,h)anthracene	440 J
Benzo(g,h,i)perylene	1400 J
Total Confident Conc. SVOC	29960
Carcinogenic SVOCs in BaP Equivalents	4290
Metals (mg/kg)	
Arsenic	18.4 J
Barium	204
Cadmium	1.6
Chromium	20.3
Lead	586
Mercury	0.32
Silver	0.16 U
PCBs (ug/kg)	ND
Cyanide (mg/kg)	0.747 U

Compound	TT-16 1-2'
Volatile Organic Compounds (ug/kg)	
Acetone	110 J
Carbon Disulfide	6.9 J
Benzene	14
Toluene	16
Ethyl Benzene	950 D
m/p-Xylenes	780 D
o-Xylene	770 D
Isopropylbenzene	130
Total Confident Conc. VOC	2746.9
Semivolatile Organic Compounds (ug/kg)	
Naphthalene	98000
2-Methylnaphthalene	6100 J
1,1-Biphenyl	9100
Acenaphthylene	10000
Acenaphthene	44000
Dibenzofuran	4800 J
Fluorene	33000
Phenanthrene	180000 D
Anthracene	26000
Carbazole	1700 J
Di-n-butylphthalate	99 U
Fluoranthene	41000
Pyrene	62000 D
Benzo(a)anthracene	24000
Chrysene	23000
Benzo(b)fluoranthene	19000
Benzo(k)fluoranthene	7600
Benzo(a)pyrene	23000
Indeno(1,2,3-cd)pyrene	4200 J
Dibenz(a,h)anthracene	2200 J
Benzo(g,h,i)perylene	6100 J
Total Confident Conc. SVOC	505000
Carcinogenic SVOCs in BaP Equivalents	30226
Metals (mg/kg)	
Arsenic	8.7
Barium	202
Cadmium	2.3
Chromium	11.7
Lead	1270
Mercury	1.7
Silver	0.49 J
PCBs (ug/kg)	ND
Cyanide (mg/kg)	2.000

Compound	TT-19 3-4'	TT-19 6-7'
Volatile Organic Compounds (ug/kg) — Total Confident Conc. VOC	0	0
Semivolatile Organic Compounds (ug/kg)		
N-Nitroso-di-n-propylamine	17 U	750
Naphthalene	190 J	130 J
2-Methylnaphthalene	77 J	6.8 U
Acenaphthylene	140 J	160 J
Acenaphthene	75 J	930
Dibenzofuran	49 J	70 J
Fluorene	11 U	92 J
Phenanthrene	700	500
Anthracene	170 J	450
Carbazole	79 J	8.7 UJ
Fluoranthene	870	1300
Pyrene	990	2100
Benzo(a)anthracene	560	760
Chrysene	560	670
bis(2-Ethylhexyl)phthalate	210 J	220 J
Benzo(b)fluoranthene	520	610
Benzo(k)fluoranthene	250 J	150 J
Benzo(a)pyrene	470	620
Indeno(1,2,3-cd)pyrene	180 J	170 J
Dibenz(a,h)anthracene	75 J	71 J
Benzo(g,h,i)perylene	220 J	210 J
Total Confident Conc. SVOC	6385	9963
Carcinogenic SVOCs in BaP Equivalents	679.1	853.2
Metals (mg/kg)		
Arsenic	4.3	5.0
Barium	89.8	157
Cadmium	0.61	0.40 J
Chromium	6.3	10.4
Lead	189 J	441 J
Mercury	0.36 J	0.51 J
PCBs (ug/kg)	ND	ND
Cyanide (mg/kg)	0.598 U	0.596 U

Compound	B22 5-7'	B22 10-12'
Volatile Organic Compounds (ug/kg)		
Acetone	46 J	530 U
Benzene	21	460 J
Toluene	8.8	62 U
Ethyl Benzene	3.9 J	5100
m/p-Xylenes	11	820 J
o-Xylene	7.3	1300
Isopropylbenzene	0.45 U	1900
Total Confident Conc. VOC	98	9580
Semivolatile Organic Compounds (ug/kg)		
Naphthalene	86 U	22000
2-Methylnaphthalene	500 J	1800 J
Acenaphthylene	3000 J	3900 J
Acenaphthene	87 U	13000 J
Dibenzofuran	130 U	1000 J
Fluorene	470 J	9250 J
Phenanthrene	1900 J	32000 J
Anthracene	790 J	8600 J
Fluoranthene	8860 J	15000 J
Pyrene	16700 J	27000 J
Benzo(a)anthracene	8900 J	10000 J
Chrysene	8840 J	9500 J
Benzo(b)fluoranthene	7620 J	7300 J
Benzo(k)fluoranthene	3400 J	2500 J
Benzo(a)pyrene	8600 J	8500 J
Indeno(1,2,3-cd)pyrene	2300 J	2000 J
Dibenz(a,h)anthracene	460 J	120 UJ
Benzo(g,h,i)perylene	2800 J	2600 J
Total Confident Conc. SVOC	74320	176350
Carcinogenic SVOCs in BaP Equivalents	11054.4	10950
Metals (mg/kg)		
Arsenic	7.4 J	10.6 J
Barium	303	37.3
Cadmium	0.67 J	1.9 J
Chromium	15.1 J	9.0 J
Lead	1300	282
Mercury	1.1 D	0.04
PCBs (ug/kg)	ND	ND
Cyanide (mg/kg)	0.605 U	1.860

Compound	B21 14-15'	B21 19-21'	B21 23-25'
Volatile Organic Compounds (ug/kg)			
Acetone	340 J	270 J	9.1 U
Carbon Disulfide	5.7 J	0.16 UJ	0.12 U
2-Butanone	24 J	45 J	2.8 U
Benzene	4.0 J	65 J	0.25 U
Toluene	0.32 UJ	110 J	0.32 U
Ethyl Benzene	0.30 UJ	1000 J	0.3 U
m/p-Xylenes	0.63 UJ	2000 J	0.63 U
o-Xylene	0.53 UJ	1400 J	0.53 U
Isopropylbenzene	0.45 R	330 JD	0.45 U
Total Confident Conc. VOC	373.7	5220	ND
Semivolatile Organic Compounds (ug/kg)			
Naphthalene	43 U	690	8.7 U
2-Methylnaphthalene	34 U	380 J	6.9 U
Acenaphthylene	60 U	360 J	12 U
Acenaphthene	1100 J	1800	8.9 U
Fluorene	57 U	180 J	11 U
Phenanthrene	930 J	980	9.0 U
Anthracene	430 J	390 J	9.6 U
Fluoranthene	4700	2800	50 J
Pyrene	4800	4000 D	51 J
Benzo(a)anthracene	2400	2200	6.1 U
Chrysene	2400	1900	13 U
bis(2-Ethylhexyl)phthalate	46 U	12 U	42 J
Benzo(b)fluoranthene	2500	1300	21 U
Benzo(k)fluoranthene	920 J	600	14 U
Benzo(a)pyrene	2300	1800	6.9 U
Indeno(1,2,3-cd)pyrene	890 J	360 J	9.7 U
Dibenz(a,h)anthracene	59 U	72 J	12 U
Benzo(g,h,i)perylene	1000 J	430 J	17 U
Total Confident Conc. SVOC	24770	20242	143
Carcinogenic SVOCs in BaP Equivalents	2952.2	2283	ND
Metals (mg/kg)			
Arsenic	8.6 J	8.4 J	2.2 J
Barium	179	108	10.8 J
Cadmium	0.71	0.36 J	0.06 U
Chromium	12.3	19.0	7.5
Lead	406	266	8.6
Mercury	0.50	0.34	0.01 U
PCBs (ug/kg)	ND	ND	ND
Cyanide (mg/kg)	0.611	0.767	0.784 U

Compound	TT-22 3-4'
Volatile Organic Compounds (ug/kg) — Total Confident Conc. VOC	0
Semivolatile Organic Compounds (ug/kg)	
Naphthalene	68 J
2-Methylnaphthalene	60 J
Acenaphthylene	320 J
Fluorene	38 J
Phenanthrene	500
Anthracene	140 J
Fluoranthene	960
Pyrene	1650
Benzo(a)anthracene	890
Chrysene	910
Benzo(b)fluoranthene	1200
Benzo(k)fluoranthene	350 J
Benzo(a)pyrene	950
Indeno(1,2,3-cd)pyrene	220 J
Benzo(g,h,i)perylene	280 J
Total Confident Conc. SVOC	8696
Carcinogenic SVOCs in BaP Equivalents	1193.6
Metals (mg/kg)	
Arsenic	7.2
Barium	166
Cadmium	1.4
Chromium	10.5
Lead	343
Mercury	2.8 J
PCBs (ug/kg)	ND
Cyanide (mg/kg)	0.606

Compound	TT-21 5-6'
Volatile Organic Compounds (ug/kg) — Total Confident Conc. VOC	0
Semivolatile Organic Compounds (ug/kg)	
Naphthalene	130 J
Acenaphthylene	1500
Phenanthrene	270 J
Anthracene	150 J
Fluoranthene	1200
Pyrene	3200
Benzo(a)anthracene	2100
Chrysene	2600
bis(2-Ethylhexyl)phthalate	420 J
Benzo(b)fluoranthene	4400
Benzo(k)fluoranthene	960
Benzo(a)pyrene	3500
Indeno(1,2,3-cd)pyrene	530 J
Dibenz(a,h)anthracene	370 J
Benzo(g,h,i)perylene	800 J
Total Confident Conc. SVOC	22130
Carcinogenic SVOCs in BaP Equivalents	4608.6
Metals (mg/kg)	
Arsenic	3.6
Barium	65.6
Cadmium	0.60 J
Chromium	7.0
Lead	118 J
Mercury	0.43 J
PCBs (ug/kg)	ND
Cyanide (mg/kg)	0.616 U

Compound	B10 4-5'	B10 9-11'
Volatile Organic Compounds (ug/kg)		
Acetone	1300 J	710 U
Carbon Disulfide	7.3 J	84 U
Methylcyclohexane	0.42 U	1500
Benzene	340 J	6000
Toluene	510 J	83 U
Tetrachloroethene	1.5 J	71 U
Ethyl Benzene	500 J	140000 D
m/p-Xylenes	780 J	1900 J
o-Xylene	460 J	1200
Styrene	170 J	74 U
Isopropylbenzene	0.44 R	6100
Total Confident Conc. VOC	3668.8	156700
Semivolatile Organic Compounds (ug/kg)		
Naphthalene	20000	1800000 D
2-Methylnaphthalene	13000 J	1000000 D
1,1-Biphenyl	1700 J	36000
Acenaphthylene	11000	13000 J
Acenaphthene	3600 J	230000 J
4-Nitrophenol	1400 J	550 U
Dibenzofuran	250 U	9100
Fluorene	6600 J	93000 J
Phenanthrene	21000	210000 J
Anthracene	6800 J	40000 J
Carbazole	170 U	3000 J
Fluoranthene	9000	54000 J
Pyrene	5700 J	100000 J
Benzo(a)anthracene	2800 J	33000 J
Chrysene	2200 J	29000 J
Benzo(b)fluoranthene	5900 J	15000 J
Benzo(k)fluoranthene	2300 J	6700 J
Benzo(a)pyrene	9200	22000 J
Indeno(1,2,3-cd)pyrene	180 J	1700 J
Dibenz(a,h)anthracene	3100 J	1300 J
Benzo(g,h,i)perylene	3500 J	2800 J
Total Confident Conc. SVOC	125800	3713600
Carcinogenic SVOCs in BaP Equivalents	10233	28387
Metals (mg/kg)		
Arsenic	5.9	19.8 J
Barium	125	325
Cadmium	0.09 J	0.71 J
Chromium	9.6	13.3 J
Lead	315	2160
Mercury	0.05	0.05
Selenium	0.37 U	1.1 J
Silver	0.12 U	1.0 J
PCBs (ug/kg)	ND	ND
Cyanide (mg/kg)	0.124 U	0.858 U

Compound	B45 7-9'	B45 22-24'	B45 32-34'
Volatile Organic Compounds (ug/kg)			
Methylene Chloride	16	490 U	970 U
Cyclohexane	0.37 U	1900 J	8300
Methylcyclohexane	0.43 U	4500 J	900 U
Benzene	0.24 U	21000	220000
Toluene	0.31 U	7500	200000
Ethyl Benzene	0.30 U	220000 D	630000 D
m/p-Xylenes	0.62 U	96000	620000
o-Xylene	0.52 U	86000	310000
Isopropylbenzene	7.7	24000	74000
Total Confident Conc. VOC	23.7	469800	2062300
Semivolatile Organic Compounds (ug/kg)			
Naphthalene	1300 J	320000 J	1000000 D
2-Methylnaphthalene	2300 J	92000 J	470000 D
1,1-Biphenyl	750 J	8500	47000
Acenaphthylene	2900 J	5200 J	41000
Acenaphthene	4700 J	37000 J	170000 D
Dibenzofuran	1400 J	3200	29000
Fluorene	6000 J	22000 J	110000 D
Phenanthrene	30000 D	85000 D	310000 D
Anthracene	6800	20000 E	87000 D
Carbazole	910 J	930 J	9700
Di-n-butylphthalate	1700 J	590 J	110 U
Fluoranthene	13000	25000 D	110000 D
Pyrene	23000 D	40000 D	150000 D
Benzo(a)anthracene	7200	12000	63000
Chrysene	7200	13000	58000
bis(2-Ethylhexyl)phthalate	600 J	210 J	190 U
Benzo(b)fluoranthene	7100	6300	41000
Benzo(k)fluoranthene	3200	3900	19000 J
Benzo(a)pyrene	7100	5500	45000
Indeno(1,2,3-cd)pyrene	1200 J	1200 J	7300 J
Dibenz(a,h)anthracene	300 J	370 J	1700 J
Benzo(g,h,i)perylene	1800 J	1700 J	8500
Total Confident Conc. SVOC	130460	510400	2781200
Carcinogenic SVOCs in BaP Equivalents	9054	11769	62600
Metals (mg/kg)			
Arsenic	13.9 J	10.6 J	7.5
Barium	157 J	68.8 J	85.8
Cadmium	0.98	0.69	1.2 J
Chromium	28.2	10.9	21.6 J
Lead	711 J	351 J	174 J
Mercury	0.82	0.07 J	0.22 J
Selenium	2.0	1.6	0.39 U
PCBs (ug/kg)	ND	ND	ND
Cyanide (mg/kg)	0.697	2.15	1.658

Compound	TT-13 3-4'	TT-13 4-5'
Volatile Organic Compounds (ug/kg) — Total Confident Conc. VOC	0	0
Semivolatile Organic Compounds (ug/kg)		
Naphthalene	13000 J	21000
2-Methylnaphthalene	7500 J	9600 J
Acenaphthylene	17000 J	33000
Acenaphthene	4100 J	450 U
Fluorene	6900 J	2500 J
Phenanthrene	56000	13000 J
Anthracene	14000 J	8300 J
Fluoranthene	70000 J	30000
Pyrene	10000 J	61000
Benzo(a)anthracene	46000	28000
Chrysene	47000	31000
Benzo(b)fluoranthene	42000	40000
Benzo(k)fluoranthene	20000 J	25000
Benzo(a)pyrene	45000	50000
Indeno(1,2,3-cd)pyrene	13000 J	9600 J
Dibenz(a,h)anthracene	1100 U	5300 J
Benzo(g,h,i)perylene	18000 J	16000 J
Total Confident Conc. SVOC	427500	383300
Carcinogenic SVOCs in BaP Equivalents	55770	63620
Metals (mg/kg)		
Arsenic	12.8	9.2
Barium	495	253
Cadmium	1.5	0.54 J
Chromium	15.6	12.7
Lead	641 J	739 J
Mercury	0.84 D	0.41 J
Selenium	0.53 J	1.4
PCBs (ug/kg)	ND	ND
Cyanide (mg/kg)	0.588 U	0.617 U

Compound	TT-14 3-4'
Volatile Organic Compounds (ug/kg) — Total Confident Conc. VOC	0
Semivolatile Organic Compounds (ug/kg)	
Naphthalene	7800
2-Methylnaphthalene	8200
1,1-Biphenyl	370 J
Acenaphthylene	9000
Acenaphthene	2500 J
Dibenzofuran	750 J
Fluorene	5250
Phenanthrene	16000
Anthracene	4700
Fluoranthene	7200
Pyrene	13000
Benzo(a)anthracene	5400
Chrysene	5100
Benzo(b)fluoranthene	6700
Benzo(k)fluoranthene	2800 J
Benzo(a)pyrene	8400
Indeno(1,2,3-cd)pyrene	1600 J
Benzo(g,h,i)perylene	2400 J
Total Confident Conc. SVOC	106870
Carcinogenic SVOCs in BaP Equivalents	9549
Metals (mg/kg)	
Arsenic	13.0
Barium	238
Cadmium	2.7
Chromium	16.8
Lead	1480
Mercury	0.51 J
Selenium	0.62 J
PCBs (ug/kg)	ND
Cyanide (mg/kg)	0.965

Compound	B34 5-7'	B34 17-19'
Volatile Organic Compounds (ug/kg)		
Methylcyclohexane	0.42 UJ	160000 D
Benzene	5.7 J	6400
Ethyl Benzene	0.29 UJ	17000
m/p-Xylenes	0.60 UJ	2300
o-Xylene	0.51 UJ	630 J
Isopropylbenzene	0.44 UJ	6600
Total Confident Conc. VOC	5.7	192930
Semivolatile Organic Compounds (ug/kg)		
Naphthalene	1300 J	290000 D
2-Methylnaphthalene	16000	38000
1,1-Biphenyl	230 U	21000
Acenaphthylene	25000	2600 J
Acenaphthene	44000 J	24000 J
Dibenzofuran	3600 J	280 U
Fluorene	52600 J	14000 J
Phenanthrene	47200 J	65000 J
Anthracene	47200 J	12000 J
Fluoranthene	93000 J	19000 J
Pyrene	170000 J	37000 J
Benzo(a)anthracene	70000 J	8600 J
Chrysene	64000 J	8400 J
Benzo(b)fluoranthene	58000 J	6200 J
Benzo(k)fluoranthene	35000 J	2600 J
Benzo(a)pyrene	59000 J	5800 J
Indeno(1,2,3-cd)pyrene	8200 J	3100 J
Dibenz(a,h)anthracene	2300 J	250 UJ
Benzo(g,h,i)perylene	11000 J	4900 J
Total Confident Conc. SVOC	787400	522200
Carcinogenic SVOCs in BaP Equivalents	75710	11790
Metals (mg/kg)		
Arsenic	25.0 J	3.3 J
Barium	41.1	90.6
Cadmium	3.0 J	0.34 J
Chromium	9.3 J	9.2 J
Lead	2640	143
Mercury	1.7 D	1.1 D
Selenium	0.40 J	0.40 U
Silver	4.0 J	0.13 UJ
PCBs (ug/kg)	ND	ND
Cyanide (mg/kg)	3.590	0.649 U

Compound	TT-8 3-4'	TT-26 (duplicate) 3-4'
Volatile Organic Compounds (ug/kg)		
Methylene Chloride	11 J	7.4 J
Total Confident Conc. VOC	11	7.4
Semivolatile Organic Compounds (ug/kg)		
Naphthalene	440 U	2300 J
Acenaphthylene	4000 J	4000 J
Phenanthrene	2100 J	2800 J
Anthracene	2400 J	2400 J
Fluoranthene	26000	23000
Pyrene	37000	30000
Benzo(a)anthracene	18000 J	15000 J
Chrysene	18000 J	17000 J
Benzo(b)fluoranthene	28000	29000
Benzo(k)fluoranthene	19000 J	14000 J
Benzo(a)pyrene	28000	23000
Indeno(1,2,3-cd)pyrene	4200 J	4100 J
Benzo(g,h,i)perylene	6800 J	6900 J
Total Confident Conc. SVOC	189500	173500
Carcinogenic SVOCs in BaP Equivalents	29390	28120
Metals (mg/kg)		
Arsenic	4.1 J	4.6 J
Barium	172 J	152 J
Cadmium	0.51 J	0.30 J
Chromium	11.7	10.0
Lead	286 J	258 J
Mercury	0.55 J	0.67 J
Selenium	0.52 J	0.35 U
PCBs (ug/kg)	ND	ND
Cyanide (mg/kg)	0.613 U	0.575 U

Compound	B7 5-7'	B7 15-17'
Volatile Organic Compounds (ug/kg)	ND	ND
Semivolatile Organic Compounds (ug/kg)		
Naphthalene	430	1600
2-Methylnaphthalene	300 J	1100
1,1-Biphenyl	10 U	140 J
Acenaphthylene	42 J	280 J
Acenaphthene	140 J	470
Dibenzofuran	12 U	360 J
Fluorene	100 J	630
Phenanthrene	330 J	3000
Anthracene	100 J	770
Carbazole	7.8 U	210 J
Fluoranthene	120 J	2600
Pyrene	170 J	2000
Benzo(a)anthracene	71 J	1100
Chrysene	69 J	1000
bis(2-Ethylhexyl)phthalate	38 J	10 U
Benzo(b)fluoranthene	19 U	970
Benzo(k)fluoranthene	12 J	410 J
Benzo(a)pyrene	47 J	930
Indeno(1,2,3-cd)pyrene	8.6 U	350 J
Dibenz(a,h)anthracene	10 U	48 J
Benzo(g,h,i)perylene	15 U	380 J
Total Confident Conc. SVOC	1969	18248
Carcinogenic SVOCs in BaP Equivalents	54.91	1134.1
Metals (mg/kg)		
Arsenic	0.82 J	3.5
Barium	27.3	65.5
Cadmium	0.36 J	0.64 J
Chromium	8.2 J	9.5 J
Lead	7.4 J	51.4 J
Mercury	0.02 J	0.15 J
Silver	0.11 U	0.41 J
PCBs (ug/kg)	ND	ND
Cyanide (mg/kg)	0.54 U	0.698 U

Compound	B27 10-12'	B57 (duplicate) 10-12'
Volatile Organic Compounds (ug/kg)		
Benzene	2500	3300
Toluene	1100	1600
Ethyl Benzene	3800	5900
m/p-Xylenes	2400	3800
o-Xylene	1100	1800
Isopropylbenzene	950	1400
Total Confident Conc. VOC	11850	17800
Semivolatile Organic Compounds (ug/kg)		
Naphthalene	4800 D	21000 D
2-Methylnaphthalene	1800	5800 D
1,1-Biphenyl	270 J	580
Acenaphthylene	580	840
Acenaphthene	960	2300
Dibenzofuran	140 J	350 J
Fluorene	660	1600
Phenanthrene	2000	3900
Anthracene	550	1300
Carbazole	54 J	140 J
Fluoranthene	1400	1900
Pyrene	1800	3200
Benzo(a)anthracene	970	1000
Chrysene	910	1100
Benzo(b)fluoranthene	540	930
Benzo(k)fluoranthene	610 J	690 J
Benzo(a)pyrene	1000	1200
Indeno(1,2,3-cd)pyrene	240 J	280 J
Dibenz(a,h)anthracene	12 U	15 U
Benzo(g,h,i)perylene	340 J	270 J
Total Confident Conc. SVOC	19624	48380
Carcinogenic SVOCs in BaP Equivalents	1190.2	1438.9
Metals (mg/kg)		
Arsenic	12.3	10.4
Barium	74.3	77.2
Cadmium	3.1 J	1.3 J
Chromium	19.8 J	17.4 J
Lead	222 J	267 J
Mercury	0.27 J	0.29 J
PCBs (ug/kg)	ND	ND
Cyanide (mg/kg)	0.636 U	0.934

Compound	TT-3 2-3'
Volatile Organic Compounds (ug/kg)	
Acetone	260 J
2-Butanone	83
Total Confident Conc. VOC	343
Semivolatile Organic Compounds (ug/kg)	
Naphthalene	470 J
2-Methylnaphthalene	560 J
Phenanthrene	630 J
Di-n-butylphthalate	21000 J
Fluoranthene	1100 J
Pyrene	1300 J
Benzo(a)anthracene	590 J
Chrysene	780 J
Benzo(b)fluoranthene	1000 J
Benzo(k)fluoranthene	530 J
Benzo(a)pyrene	790 J
Total Confident Conc. SVOC	28740
Carcinogenic SVOCs in BaP Equivalents	961.1
Metals (mg/kg)	
Arsenic	14.0 J
Barium	218 J
Cadmium	3.5
Chromium	30.0
Lead	826 J
Mercury	0.25 J
Selenium	1.4
PCBs (ug/kg)	
Aroclor-1260	1900 J
Cyanide (mg/kg)	0.619 U

Compound	B6 3-4'
Volatile Organic Compounds (ug/kg)	
Acetone	100 J
Carbon Disulfide	2.4 J
2-Butanone	15 J
Ethyl Benzene	2.4 J
m/p-Xylenes	1.5 J
Total Confident Conc. VOC	121.3
Semivolatile Organic Compounds (ug/kg)	
Naphthalene	270 J
2-Methylnaphthalene	110 J
Acenaphthylene	130 J
Acenaphthene	240 J
Dibenzofuran	80 J
Fluorene	300 J
Phenanthrene	550
Anthracene	200 J
Carbazole	87 J
Fluoranthene	760 J
Pyrene	900 J
Butylbenzylphthalate	41 J
Benzo(a)anthracene	390
Chrysene	420
Benzo(b)fluoranthene	430
Benzo(k)fluoranthene	170 J
Benzo(a)pyrene	400
Indeno(1,2,3-cd)pyrene	120 J
Dibenz(a,h)anthracene	49 J
Benzo(g,h,i)perylene	150 J
Total Confident Conc. SVOC	5797
Carcinogenic SVOCs in BaP Equivalents	548.9
Metals (mg/kg)	
Arsenic	2.7
Barium	67.9
Chromium	9.3
Lead	224 J
Mercury	0.58
PCBs (ug/kg)	ND
Cyanide (mg/kg)	0.571 U

Compound	B33 4-5'	B33 7-9'
Volatile Organic Compounds (ug/kg)		
Acetone	110 J	12000 J
2-Butanone	17 J	11000 U
Methylcyclohexane	0.44 U	33000
Benzene	0.25 U	1900 J
Toluene	0.32 U	39000
Ethyl Benzene	1.4 J	340000
m/p-Xylenes	3.5 J	390000
o-Xylene	0.54 U	140000
Isopropylbenzene	1.8 J	26000
Total Confident Conc. VOC	133.7	969900
Semivolatile Organic Compounds (ug/kg)		
Naphthalene	330 J	75000 D
2-Methylnaphthalene	7.1 U	16000 JD
1,1-Biphenyl	12 U	2500
Acenaphthylene	12 U	2700
Acenaphthene	54 J	10000 D
Dibenzofuran	13 U	580 U
2,4-Dinitrotoluene	8.2 U	7.9 U
Fluorene	12 U	4700 D
Phenanthrene	48 J	9400 ED
Anthracene	9.8 U	3500 D
Carbazole	9.0 U	250 J
Fluoranthene	65 J	4500 D
Pyrene	74 J	7000 D
Benzo(a)anthracene	140 J	2500
Chrysene	150 J	2500
bis(2-Ethylhexyl)phthalate	9.4 U	85 J
Benzo(b)fluoranthene	280 J	3300
Benzo(k)fluoranthene	110 J	1100
Benzo(a)pyrene	250 J	2800
Indeno(1,2,3-cd)pyrene	110 J	120 J
Dibenz(a,h)anthracene	12 U	63 J
Benzo(g,h,i)perylene	130 J	400
Total Confident Conc. SVOC	1741	145618
Carcinogenic SVOCs in BaP Equivalents	317.6	2491
Metals (mg/kg)		
Arsenic	4.6	2.0
Barium	80.5	52.9
Cadmium	0.06 UJ	0.11 J
Chromium	9.1	10.8
Lead	220 J	155
Mercury	0.71	0.28
Selenium	0.39 U	0.68 J
PCBs (ug/kg)	ND	ND
Cyanide (mg/kg)	0.628 U	0.594 U

Compound	B32 5-7'	B32 13-15'	B32 21-23'	B32 35-37' RE
Volatile Organic Compounds (ug/kg)				
1,1,2-Trichlorotrifluoroethane	0.52 UJ	0.68	0.55 UJ	0.61 U
Acetone	110 J	62 J	130 J	9.9 U
Carbon Disulfide	2.4 J	3.0 J	3.0 J	0.13 U
Methylene Chloride	14 UJ	9.6 J	7.2 J	0.91 U
2-Butanone	2.6 UJ	9.6 J	24 J	3.0 U
Benzene	30 J	280 J	58 J	6.9 J
Toluene	18 J	12 J	2.2 J	0.35 U
Ethyl Benzene	7.4	240 J	350 J	3.9 J
m/p-Xylenes	23	180 J	280 J	2.3 J
o-Xylene	17	320 J	150 J	1.5 J
Isopropylbenzene	3.7 J	120 J	250 J	0.49 U
Total Confident Conc. VOC	211.5	1236.9	1234.4	10.4
Semivolatile Organic Compounds (ug/kg)				
Naphthalene	1300 J	6900	120000	740
2-Methylnaphthalene	520 J	1200	17000	160 J
1,1-Biphenyl	270 J	110 J	1600	13 U
Acenaphthylene	470 J	14 U	490 J	13 U
Acenaphthene	1600 J	530	7600	84 J
Dibenzofuran	61 U	16 U	340 J	14 U
Fluorene	1400 J	200 J	3200	12 U
Phenanthrene	5300	630	9800	120 J
Anthracene	1300 J	170 J	2600	10 U
Carbazole	41 U	11 U	84 J	9.6 U
Fluoranthene	2200	220 J	3000	45 J
Pyrene	3700	360 J	4900	72 J
Benzo(a)anthracene	1700 J	180 J	2100	6.6 U
Chrysene	1500 J	170 J	1900	14 U
bis(2-Ethylhexyl)phthalate	43 U	11 U	18 U	47 J
Benzo(b)fluoranthene	1200 J	96 J	1200	23 U
Benzo(k)fluoranthene	470 J	56 J	560 J	15 U
Benzo(a)pyrene	1200 J	140 J	1600	7.5 U
Indeno(1,2,3-cd)pyrene	350 J	56 J	510 J	11 U
Dibenz(a,h)anthracene	55 U	14 U	98 J	13 U
Benzo(g,h,i)perylene	440 J	64 J	540 J	19 U
Total Confident Conc. SVOC	24,920	11,082	179,122	1,268
Carcinogenic SVOCs in BaP Equivalents	1,544.7	175.5	2,103.6	ND
Metals (mg/kg)				
Arsenic	5.7	9.8 J	3.5 J	2.9 J
Barium	120	138	54.4	191
Cadmium	0.60	0.36 J	0.06 U	0.45 J
Chromium	15.8	28.0	14.7	33.4
Lead	588	683	105	22.0
Mercury	1.7 D	1.5 D	0.62 D	0.01 J
PCBs (ug/kg)	ND	ND	ND	ND
Cyanide (mg/kg)	1.140	0.735	0.599	0.671

Compound	TT-5 4-5'
Volatile Organic Compounds (ug/kg)	
Methylene Chloride	5.9 J
Total Confident Conc. VOC	5.9
Semivolatile Organic Compounds (ug/kg)	
Naphthalene	880 J
2-Methylnaphthalene	560 J
Acenaphthylene	450 J
Acenaphthene	1900 J
Dibenzofuran	950 J
Fluorene	1800 J
Phenanthrene	39000 UJ
Anthracene	7700
Carbazole	860 J
Di-n-butylphthalate	3500 J
Fluoranthene	150000 D
Pyrene	130000 D
Benzo(a)anthracene	23000
Chrysene	22000
Benzo(b)fluoranthene	26000
Benzo(k)fluoranthene	11000
Benzo(a)pyrene	21000
Indeno(1,2,3-cd)pyrene	4600 UJ
Dibenz(a,h)anthracene	790 J
Benzo(g,h,i)perylene	6100
Total Confident Conc. SVOC	408490
Carcinogenic SVOCs in BaP Equivalents	27020
Metals (mg/kg)	
Arsenic	5.0 J
Barium	87.8 J
Cadmium	0.58 J
Chromium	13.2
Lead	367 J
Mercury	0.57 J
PCBs (ug/kg)	ND
Cyanide (mg/kg)	0.65 U

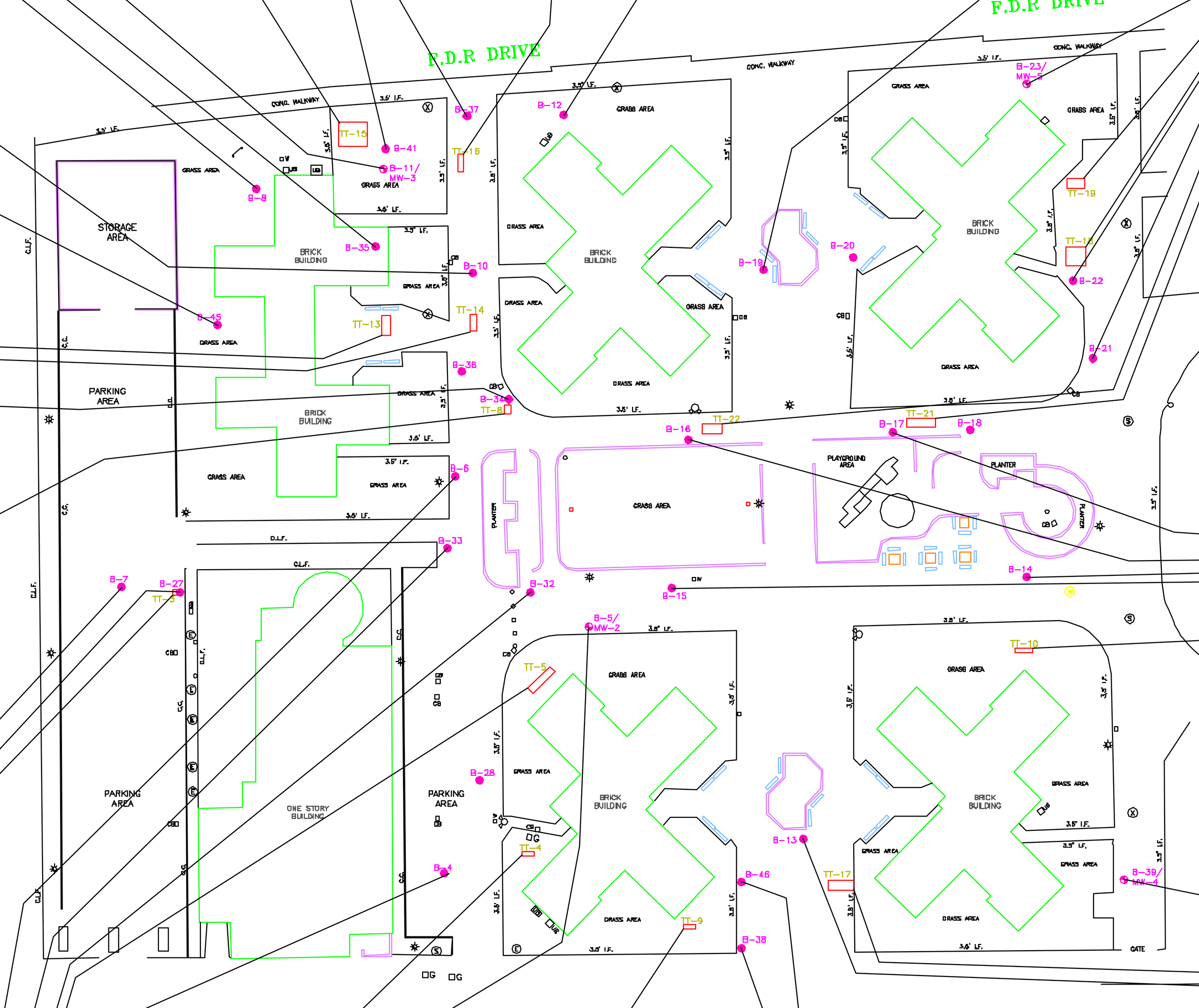
Compound	B17 5-7'	B17 10-12'
Volatile Organic Compounds (ug/kg)		
Acetone	28 J	540 UJ
Carbon Disulfide	1.9 J	64 UJ
Methylcyclohexane	0.43 U	34000 J
Benzene	17	16000 J
Toluene	13	4600 J
Ethyl Benzene	12	140000 J
m/p-Xylenes	29	72000 J
o-Xylene	29	21000 J
Isopropylbenzene	12	28000 J
Total Confident Conc. VOC	141.9	315600
Semivolatile Organic Compounds (ug/kg)		
Naphthalene	510 J	100000 D
2-Methylnaphthalene	420 J	24000 D
1,1-Biphenyl	110 J	7400
Acenaphthylene	1400	2200
Acenaphthene	500 J	12000 J
Dibenzofuran	280 J	780 J
Fluorene	800 J	8070 J
Phenanthrene	6420 J	20000 J
Anthracene	1400 J	5200 J
Carbazole	180 J	320 J
Fluoranthene	7800 J	6000 J
Pyrene	8600 J	10000 J
Benzo(a)anthracene	3700 J	3200 J
Chrysene	3240 J	2800 J
Benzo(b)fluoranthene	4600 J	2500 J
Benzo(k)fluoranthene	1600 J	800 J
Benzo(a)pyrene	3500 J	2400 J
Indeno(1,2,3-cd)pyrene	620 J	310 J
Dibenz(a,h)anthracene	300 J	51 UJ
Benzo(g,h,i)perylene	840 J	470 J
Total Confident Conc. SVOC	46820	208450
Carcinogenic SVOCs in BaP Equivalents	4740.4	3037
Metals (mg/kg)		
Arsenic	4.4 J	3.9 J
Barium	85.9	56.0
Cadmium	0.86 J	0.55 J
Chromium	8.6 J	13.8 J
Lead	162	234
Mercury	0.75 D	0.21
PCBs (ug/kg)	ND	ND
Cyanide (mg/kg)	0.602 U	1.320

Compound	B16 5-7'	B16 17-19'	B16 19-21'
Volatile Organic Compounds (ug/kg)			
Acetone	58 J	78	130 J
Carbon Disulfide	2.7 J	0.17 J	2.3 J
Methylene Chloride	6.3 U	7.6 J	14 J
Cyclohexane	0.36 U	0.50 U	3.0 J
2-Butanone	2.7 U	12 J	28 J
Benzene	37	4.0 J	25
Toluene	25	0.42 U	0.49 U
Ethyl Benzene	67	12	8.8 J
m/p-Xylenes	70	4.3 J	0.97 U
o-Xylene	63	24	18
Isopropylbenzene	12	20	38
Total Confident Conc. VOC	334.7	162.1	267.1
Semivolatile Organic Compounds (ug/kg)			
Naphthalene	42 U	150 J	13 U
Acenaphthene	43 U	110 J	14 U
Fluorene	55 U	88 J	17 U
Phenanthrene	390 J	360 J	280 J
Anthracene	46 U	110 J	15 U
Fluoranthene	390 J	340 J	120 J
Pyrene	500 J	420 J	150 J
Benzo(a)anthracene	250 J	240 J	90 J
Chrysene	270 J	230 J	110 J
Benzo(b)fluoranthene	300 J	220 J	92 J
Benzo(k)fluoranthene	66 U	120 J	21 U
Benzo(a)pyrene	330 J	230 J	96 J
Indeno(1,2,3-cd)pyrene	47 U	110 J	15 U
Benzo(g,h,i)perylene	200 J	130 J	27 U
Total Confident Conc. SVOC	2610	2858	938
Carcinogenic SVOCs in BaP Equivalents	367.7	290.5	115.3
Metals (mg/kg)			
Arsenic	6.0 J	24.6 J	13.3 J
Barium	111	275	71.7
Cadmium	0.39 J	0.44 J	0.45 J
Chromium	15.2	30.4	34.8
Lead	251	749	303
Mercury	0.72	0.90 D	0.23
PCBs (ug/kg)	ND	ND	ND
Cyanide (mg/kg)	0.950	5.120	0.949

Compound	B14 8-10'	B14 14-16'
Volatile Organic Compounds (ug/kg)		
Carbon Disulfide	50 J	1.5 J
Benzene	43	0.26 U
Toluene	22 J	0.33 U
o-Xylene	26 J	0.55 U
Isopropylbenzene	640	0.47 U
Total Confident Conc. VOC	781	1.5
Semivolatile Organic Compounds (ug/kg)		
Naphthalene	6800	9.1 U
2-Methylnaphthalene	2500 J	7.2 U
Acenaphthylene	4900	12 U
Acenaphthene	35000 J	9.2 U
Dibenzofuran	1700 J	14 U
Fluorene	14000 J	12 U
Phenanthrene	36000 J	62 J
Anthracene	9500 J	9.9 U
Fluoranthene	12000 J	5.8 UJ
Pyrene	19000 J	64 J
Benzo(a)anthracene	8100 J	6.3 U
Chrysene	7700 J	13 U
Benzo(b)fluoranthene	5100 J	22 U
Benzo(k)fluoranthene	3100 J	14 UJ
Benzo(a)pyrene	7200 J	7.2 U
Indeno(1,2,3-cd)pyrene	1500 J	10 UJ
Benzo(g,h,i)perylene	2200 J	18 UJ
Total Confident Conc. SVOC	176300	126
Carcinogenic SVOCs in BaP Equivalents	8778	ND
Metals (mg/kg)		
Arsenic	11.6 J	5.8 J
Barium	256	59.9
Cadmium	0.95 J	0.46 J
Chromium	13.0 J	8.9 J
Lead	343	153
Mercury	0.14	0.27
PCBs (ug/kg)	ND	ND
Cyanide (mg/kg)	4.700	0.645 U

Compound	B15 8-10'	B15 14-16'	B61 (duplicate) 14-16'
Volatile Organic Compounds (ug/kg)			
Benzene	180 J	2.3 J	2.6 J
Toluene	2.2 J	0.36 U	0.34 U
Ethyl Benzene	120	0.35 U	0.32 U
m/p-Xylenes	18	0.72 U	0.67 U
o-Xylene	9.4	0.61 U	0.56 U
Isopropylbenzene	140	2.3 J	0.48 U
Total Confident Conc. VOC	469.6	4.6	2.6
Semivolatile Organic Compounds (ug/kg)			
Naphthalene	430	580	49 J
2-Methylnaphthalene	280 J	280 J	59 J
1,1-Biphenyl	87 J	51 J	13 U
Acenaphthene	89 J	300 J	9.5 U
Fluorene	82 J	190 J	12 U
Phenanthrene	310 J	590 J	49 J
Anthracene	66 J	180 J	10 U
Fluoranthene	92 J	150 J	6.0 UJ
Pyrene	180 J	300 J	7.6 U
Benzo(a)anthracene	53 J	100 J	6.5 U
Chrysene	57 J	94 J	14 U
bis(2-Ethylhexyl)phthalate	52 J	52 J	48 J
Benzo(a)pyrene	48 J	63 J	7.4 U
Total Confident Conc. SVOC	1826	2930	205
Carcinogenic SVOCs in BaP Equivalents	53.87	73.94	ND
Metals (mg/kg)			
Arsenic	4.6 J	4.6 J	2.7 J
Barium	81.4	144	64.2
Cadmium	0.33 J	0.14 J	0.24 J
Chromium	10.3 J	6.4 J	6.7 J
Lead	276	822	308
Mercury	0.05	0.46	0.13
PCBs (ug/kg)	ND	ND	ND
Cyanide (mg/kg)	0.706	0.705 U	0.649 U

Compound	TT-10 5-6'	TT-10 7-8'
Volatile Organic Compounds (ug/kg)		
Benzene	140 J	560 J
Toluene	1700 J	10000 J
Ethyl Benzene	50000 J	9000 J
m/p-Xylenes	40000 J	16000 J
o-Xylene	34000 J	15000 J
Styrene	500 J	3.7 UJ
Isopropylbenzene	50 UD	490 J
Total Confident Conc. VOC	126530	50560
Semivolatile Organic Compounds (ug/kg)		
Naphthalene	81000 D	310000 D
2-Methylnaphthalene	61000	66000 JD
1,1-Biphenyl	3900 J	8400
Acenaphthylene	10000	8500
Acenaphthene	2800 J	11000
Dibenzofuran	1800 J	12000
2,4-Dinitrotoluene	4000 J	7200 J
Fluorene	13000	29000
Phenanthrene	35000	86000 D
Anthracene	9600	19000
Carbazole	180 UJ	4700 J
Fluoranthene	16000	33000
Pyrene	32000	39000
Benzo(a)anthracene	10000	17000
Chrysene	8700	14000
Benzo(b)fluoranthene	8300	12000
Benzo(k)fluoranthene	3300 J	5100 J
Benzo(a)pyrene	8100	11000
Indeno(1,2,3-cd)pyrene	1200 J	1600 J
Dibenz(a,h)anthracene	230 U	500 J
Benzo(g,h,i)perylene	1700 J	2100 J
Total Confident Conc. SVOC	311400	681600
Carcinogenic SVOCs in BaP Equivalents	10170	15151
Metals (mg/kg)		
Arsenic	13.3	10.3
Barium	88.7	82.1
Cadmium	3.4	2.1
Chromium	7.9	14.0
Lead	650 J	447 J
Mercury	0.18 J	0.13 J
Selenium	0.38 U	0.55 J
PCBs (ug/kg)	ND	ND
Cyanide (mg/kg)	0.603 U	0.59 U



Compound	TT-9 2-3'
Volatile Organic Compounds (ug/kg)	
Benzene	12
Toluene	9.0
Ethyl Benzene	2.1 J
m/p-Xylenes	2.7 J
Styrene	1.4 J
Total Confident Conc. VOC	27.2
Semivolatile Organic Compounds (ug/kg)	
Naphthalene	1600 J
Total Confident Conc. SVOC	1600
Carcinogenic SVOCs in BaP Equivalents	ND
Metals (mg/kg)	
Arsenic	3.4
Barium	63.1
Chromium	8.1
Lead	524 J
Mercury	0.23
PCBs (ug/kg)	ND
Cyanide (mg/kg)	0.536 U

Compound	TT-4 4-5'
Volatile Organic Compounds (ug/kg) — Total Confident Conc. VOC	0
Semivolatile Organic Compounds (ug/kg)	
Naphthalene	88 J
Diethylphthalate	48 J
Phenanthrene	47 J
Di-n-butylphthalate	790
Fluoranthene	110 J
Pyrene	170 J
Benzo(a)anthracene	250 J
Chrysene	270 J
bis(2-Ethylhexyl)phthalate	84 J
Benzo(b)fluoranthene	500
Benzo(k)fluoranthene	150 J
Benzo(a)pyrene	360 J
Indeno(1,2,3-cd)pyrene	250 J
Dibenz(a,h)anthracene	71 J
Benzo(g,h,i)perylene	310 J
Total Confident Conc. SVOC	3498
Carcinogenic SVOCs in BaP Equivalents	535.2
Metals (mg/kg)	
Arsenic	5.5 J
Barium	109
Cadmium	1.7
Chromium	12.1
Lead	505
Mercury	1.3
PCBs (ug/kg)	ND
Cyanide (mg/kg)	0.569 U

Compound	B46 7-9'
Volatile Organic Compounds (ug/kg)	ND
Semivolatile Organic Compounds (ug/kg)	
Naphthalene	140 J
2-Methylnaphthalene	420
1,1-Biphenyl	53 J
Phenanthrene	67 J
Pyrene	61 J
bis(2-Ethylhexyl)phthalate	71 J
Total Confident Conc. SVOC	812
Carcinogenic SVOCs in BaP Equivalents	ND
Metals (mg/kg)	
Arsenic	1.4
Barium	35.2
Cadmium	0.33 J
Chromium	11.7 J
Lead	9.8 J
Mercury	0.04 J
PCBs (ug/kg)	ND
Cyanide (mg/kg)	0.556 U

Compound	TT-17 6-7'
Volatile Organic Compounds (ug/kg) — Total Confident Conc. VOC	0
Semivolatile Organic Compounds (ug/kg)	
Naphthalene	200 J
2-Methylnaphthalene	40 J
Acenaphthene	69 J
Dibenzofuran	89 J
Fluorene	110 J
Phenanthrene	750
Anthracene	180 J
Carbazole	84 J
Fluoranthene	660
Pyrene	610
Benzo(a)anthracene	280 J
Chrysene	290 J
Benzo(b)fluoranthene	300 J
Benzo(k)fluoranthene	130 J
Benzo(a)pyrene	260 J
Indeno(1,2,3-cd)pyrene	130 J
Benzo(g,h,i)perylene	140 J
Total Confident Conc. SVOC	4332
Carcinogenic SVOCs in BaP Equivalents	336.2
Metals (mg/kg)	
Arsenic	9.5
Barium	90.3
Cadmium	0.21 J
Chromium	11.8
Lead	85.7
Mercury	0.09 J
PCBs (ug/kg)	ND
Cyanide (mg/kg)	0.538 U

Compound	B39 19-21'
Volatile Organic Compounds (ug/kg)	
Carbon Disulfide	23 J
Benzene	19
Toluene	2.5 J
Ethyl Benzene	7.2 J
m/p-Xylenes	14
o-Xylene	6.5 J
Total Confident Conc. VOC	72.2
Semivolatile Organic Compounds (ug/kg)	
Naphthalene	210 J
2-Methylnaphthalene	69 J
Dimethylphthalate	12 J
Diethylphthalate	98 J
Phenanthrene	170 J
Di-n-butylphthalate	130 J
Fluoranthene	73 J
Pyrene	94 J
bis(2-Ethylhexyl)phthalate	130 J
Total Confident Conc. SVOC	986
Carcinogenic SVOCs in BaP Equivalents	ND
Metals (mg/kg)	
Arsenic	2.4
Barium	17.5 J
Cadmium	0.11 J
Chromium	14.3
Lead	35.2
Selenium	0.50 J
PCBs (ug/kg)	ND
Cyanide (mg/kg)	0.8 U

Compound	B04 5-7'	B04 9-11'
Volatile Organic Compounds (ug/kg)		
Acetone	8.2 U	41 J
Carbon Disulfide	3.0 J	19 J
Methylcyclohexane	0.39 U	20 J
Benzene	3.9 J	29
Toluene	2.9 J	31 J
Ethyl Benzene	0.27 U	39
m/p-Xylenes	0.56 U	18 J
Isopropylbenzene	0.41 U	260
Total Confident Conc. VOC	9.8	438
Semivolatile Organic Compounds (ug/kg)		
Naphthalene	130 J	200 J
2-Methylnaphthalene	42 J	400 J
Acenaphthylene	48 J	11 U
Acenaphthene	70 J	62 J
Dibenzofuran	41 J	12 U
Fluorene	120 J	77 J
Phenanthrene	550	300 J
Anthracene	140 J	70 J
Carbazole	63 J	8.0 U
Di-n-butylphthalate	100 J	38 J
Fluoranthene	260 J	160 J
Pyrene	300 J	230 J
Benzo(a)anthracene	130 J	82 J
Chrysene	140 J	74 J
bis(2-Ethylhexyl)phthalate	190 J	120 J
Benzo(b)fluoranthene	90 J	42 J
Benzo(k)fluoranthene	49 J	12 U
Benzo(a)pyrene	93 J	38 J
Benzo(g,h,i)perylene	37 J	16 U
Total Confident Conc. SVOC	2593	1863
Carcinogenic SVOCs in BaP Equivalents	116.89	51.14
Metals (mg/kg)		
Arsenic	6.2	1.9
Barium	49.4	47.3
Cadmium	0.10 J	0.18 J
Chromium	12.0	15.1
Lead	54.3	38.1
Mercury	0.08	0.02
Selenium	0.35 UJ	0.49 J
PCBs (ug/kg)	ND	ND
Cyanide (mg/kg)	0.551 U	0.554 U

Compound	B5 3-5'	B5 7-9'	B5 17-19'
Volatile Organic Compounds (ug/kg)			
Acetone	93 U	98 J	9.4 U
Carbon Disulfide	200 J	40 J	0.13 U
Methylcyclohexane	4.4 U	110 J	0.45 U
Benzene	480	470	68
Toluene	660	470	0.33 U
Ethyl Benzene	7100 D	67000 D	220 D
m/p-Xylenes	3000	7100 D	17
o-Xylene	2300 D	3800 D	15
Styrene	260	1120	0.4 U
Isopropylbenzene	2500 D	13000 D	81
Total Confident Conc. VOC	16200	93800	397
Semivolatile Organic Compounds (ug/kg)			
Naphthalene	1400 J	37000 J	1400 J
2-Methylnaphthalene	250 J	11000 J	330 J
1,1-Biphenyl	270 J	570 J	62 J
Acenaphthylene	390 J	150 J	66 J
Acenaphthene	500 J	720 J	160 J
Dibenzofuran	67 U	130 J	14 U
Fluorene	730 J	1000 J	130 J
Phenanthrene	4400	3500	410 J
Anthracene	1300 J	630 J	100 J
Di-n-butylphthalate	260 J	12 U	130 J
Fluoranthene	4100 J	710 J	180 J
Pyrene	6400	1700	290 J
Butylbenzylphthalate	68 U	99 J	14 U
Benzo(a)anthracene	2300 J	460 J	120 J
Chrysene	2200	460 J	130 J
bis(2-Ethylhexyl)phthalate	47 U	240 J	170 J
Benzo(b)fluoranthene	2200 J	380 J	100 J
Benzo(k)fluoranthene	1100 J	240 J	59 J
Benzo(a)pyrene	2300 J	470 J	110 J
Indeno(1,2,3-cd)pyrene	680 J	21 U	42 J
Dibenz(a,h)anthracene	220 J	25 UJ	12 U
Benzo(g,h,i)perylene	960 J	160 J	52 J
Total Confident Conc. SVOC	31960	59599	4041
Carcinogenic SVOCs in BaP Equivalents	3071	559	138.09
Metals (mg/kg)			
Arsenic	17.8	4.9	8.7
Barium	407	260	87.9
Cadmium	1.7	0.35 J	0.19 J
Chromium	18.2	12.6	7.5
Lead	3330	1560	546
Mercury	0.37	0.33	0.07
Selenium	2.3 J	0.87 J	0.41 J
PCBs (ug/kg)	ND	ND	ND
Cyanide (mg/kg)	1.130	1.850	0.63 U

Compound	B38 10-12'	B38 16-18'
Volatile Organic Compounds (ug/kg)		
Carbon Disulfide	0.64 U	5.9 J
Methylcyclohexane	2.2 U	27 J
Benzene	27 J	2.5 J
Toluene	68	0.32 U
Ethyl Benzene	140	2.7 J
m/p-Xylenes	230	3.4 J
o-Xylene	120	0.53 U
Isopropylbenzene	17 J	44
Total Confident Conc. VOC	602	85.5
Semivolatile Organic Compounds (ug/kg)		
Naphthalene	1900 JD	140 J
2-Methylnaphthalene	9800 D	110 J
1,1-Biphenyl	2000	12 U
Acenaphthylene	3800 J	54 J
Acenaphthene	4200 D	190 J
Dibenzofuran	5600 J	51 J
Fluorene	6200 D	210 J
Phenanthrene	19000 JD	1200
Anthracene	7300 D	190 J
Carbazole	2200 J	8.9 U
Fluoranthene	17000 D	450
Pyrene	1800	560
Benzo(a)anthracene	6000 J	190 J
Chrysene	6000	180 J
bis(2-Ethylhexyl)phthalate	1700	67 J
Benzo(b)fluoranthene	5600 J	100 J
Benzo(k)fluoranthene	3400 J	86 J
Benzo(a)pyrene	2500 J	160 J
Indeno(1,2,3-cd)pyrene	370 J	58 J
Dibenz(a,h)anthracene	170 J	12 U
Benzo(g,h,i)perylene	1100 J	73 J
Total Confident Conc. SVOC	124740	4069
Carcinogenic SVOCs in BaP Equivalents	3961	197.46
Metals (mg/kg)		
Arsenic	9.9	2.8
Barium	50.1	54.9
Cadmium	0.16 J	0.06 U
Chromium	8.8	7.8
Lead	225	99.1
Mercury	0.22	0.55
Selenium	0.64 J	0.92 J
PCBs (ug/kg)	ND	ND
Cyanide (mg/kg)	0.63 U	0.609 U

Compound	B13 5-7'
Volatile Organic Compounds (ug/kg)	ND
Semivolatile Organic Compounds (ug/kg)	
Naphthalene	480 J
Caprolatam	480 J
2-Methylnaphthalene	900
1,1-Biphenyl	180 J
Acenaphthylene	88 J
Acenaphthene	360 J
Fluorene	310 J
Phenanthrene	1200 J
Anthracene	290 J
Fluoranthene	420 J
Pyrene	710 J
Butylbenzylphthalate	130 J
Benzo(a)anthracene	290 J
Chrysene	290 J
bis(2-Ethylhexyl)phthalate	250 J
Benzo(b)fluoranthene	190 J
Benzo(k)fluoranthene	110 J
Benzo(a)pyrene	220 J
Benzo(g,h,i)perylene	74 J
Total Confident Conc. SVOC	6972
Carcinogenic SVOCs in BaP Equivalents	272
Metals (mg/kg)	
Arsenic	1.3 J
Barium	33.9
Cadmium	0.24 J
Chromium	10.5 J
Lead	14.9
Mercury	0.03
PCBs (ug/kg)	ND
Cyanide (mg/kg)	0.531

Volatile Organic Compounds (ug/kg)	TAGM RSCO
Dichlorodifluoromethane	NC
Chloromethane	NC
Vinyl Chloride	200
Bromomethane	NC
Chloroethane	1900
Trichlorofluoromethane	NC
1,1,2-Trichlorotrifluoroethane	6000
1,1-Dichloroethene	400
Acetone	200
Carbon Disulfide	2700
Methyl tert-butyl Ether	120
Methyl Acetate	NC
Methylene Chloride	100
trans-1,2-Dichloroethene	300
1,1-Dichloroethane	200
Cyclohexane	NC
2-Butanone	300
Carbon Tetrachloride	600
cis-1,2-Dichloroethene	NC
Chloroform	300
1,1,1-Trichloroethane	800
Methylcyclohexane	NC
Benzene	60
1,2-Dichloroethane	200
Trichloroethene	700
1,2-Dichloropropane	NC
Bromodichloromethane	NC
4-Methyl-2-Pentanone	1000
Toluene	1500
t-1,3-Dichloropropene	NC
cis-1,3-Dichloropropene	NC
1,1,2-Trichloroethane	NC
2-Hexanone	NC
Dibromochloromethane	NA
1,2-Dibromoethane	NC
Tetrachloroethene	1400
Chlorobenzene	1700
Ethyl Benzene	5500
m/p-Xylenes	1200
o-Xylene	600
Styrene	NC
Bromoform	NC
Isopropylbenzene	2300
1,1,2,2-Tetrachloroethane	600
1,3-Dichlorobenzene	1600
1,4-Dichlorobenzene	8500
1,2-Dichlorobenzene	7900
1,2-Dibromo-3-Chloropropane	NC
1,2,4-Trichlorobenzene	3400
Total Confident Conc. VOC	10000
Metals (mg/kg)	
Arsenic	12
Barium	600
Cadmium	1
Chromium	40
Lead	500
Mercury	0.1
Selenium	3.9
Silver	SB
PCBs (ug/kg)	1,000 (surface)/ 10,000 (subsurface)
Cyanide (mg/kg)	NC

Semivolatile Organic Compounds (ug/kg)	TAGM RSCO
Benzaldehyde	NC
Phenol	30 or MDL
bis(2-Chloroethyl)ether	NC
2-Chlorophenol	800
2-Methylphenol	100 or MDL
2,2-oxybis(1-Chloropropane)	NC
Acetophenone	NC
3+4-Methylphenols	900
N-Nitroso-di-n-propylamine	NC
Hexachloroethane	NC
Nitrobenzene	200 or MDL
Isophorone	4,400
2-Nitrophenol	330 or MDL
2,4-Dimethylphenol	NC
bis(2-Chloroethoxy)methane	NC
2,4-Dichlorophenol	400
Naphthalene	13,000
4-Chloroaniline	220 or MDL
Hexachlorobutadiene	NC
Caprolatam	NC
4-Chloro-3-methylphenol	240 or MDL
2-Methylnaphthalene	36,400
Hexachlorocyclopentadiene	NC
2,4,6-Trichlorophenol	NC
2,4,5-Trichlorophenol	100
1,1-Biphenyl	NC
2-Chloronaphthalene	NC
2-Nitroaniline	430 or MDL
Dimethylphthalate	2,000
Acenaphthylene	41,000
2,6-Dinitrotoluene	1,000
3-Nitroaniline	500 or MDL
Acenaphthene	50,000
2,4-Dinitrophenol	200 or MDL
4-Nitrophenol	100 or MDL
Dibenzofuran	6,200
2,4-Dinitrotoluene	1,000
Diethylphthalate	7,100
4-Chlorophenyl-phenylether	NC
Fluorene	50,000
4-Nitroaniline	NC
4,6-Dinitro-2-methylphenol	NC
N-Nitrosodiphenylamine	NC
4-Bromophenyl-phenylether	NC
Hexachlorobenzene	410
Atrazine	NC
Pentachlorophenol	1000 or MDL
Phenanthrene	50,000
Anthracene	50,000
Carbazole	NC
Di-n-butylphthalate	8,100
Fluoranthene	50,000
Pyrene	50,000
Butylbenzylphthalate	50,000
3,3-Dichlorobenzidine	NA
Benzo(a)anthracene	224 or MDL
Chrysene	400
bis(2-Ethylhexyl)phthalate	50,000
Di-n-octyl phthalate	50,000
Benzo(b)fluoranthene	1,100
Benzo(k)fluoranthene	1,100
Benzo(a)pyrene	61 or MDL
Indeno(1,2,3-cd)pyrene	3,200
Dibenz(a,h)anthracene	14 or MDL
Benzo(g,h,i)perylene	50,000
Total Confident Conc. SVOC	500,000

Legend

BUILDING
WALLS
FENCE
CATCHBASIN
FIRE HYDRANT
VALVE
DEPRESSED CURB
EDGE OF GRASS
MANHOLES

BUILDING; PARTY WALL; INDEPENDENT
LOW PRESSURE; HIGH PRESSURE
SEWER; WATER; ELECTRIC; GAS; STEAM; N.Y.F.D.; SUBWAY; TELEPHONE; MANHOLE (NO ID); BEGO or CITES
STREET LIGHT (METAL LIGHT); WOOD UTILITY POLE; SQUARE DRAIN; ROUND DRAIN; PED. SIGNAL; TWO WAY DIRECTION OF TRAFFIC ONE WAY

SOIL BORING LOCATION — B-1
SOIL BORING AND MONITORING WELL LOCATION — B-11/MW-3
SURFACE SOIL SAMPLE LOCATION — SS-1
TEST TRENCH LOCATION — TT-1

Notes:

All surface soil samples were collected from the 2 inch interval directly below vegetative cover.

17,000	Result exceeds soil cleanup criterion (TAGM RSCO)
J	Estimated value
ND	Not Detected
U	Not Detected
ug/kg	micrograms per kilogram All volatile, semi-volatile, and PCB results are in ug/kg.
mg/kg	milligrams per kilogram All metals and cyanide result concentrations are in mg/kg.
Cleanup Criterion	New York State Technical Assistance Guidance Memorandum (TAGM) 4046, January 24, 1994, and December 2000 Revisions, Residential Soil Cleanup Objectives (RSCO) and Revisions (1998).

0 50 100 150 ft

TRC Environmental Corporation

1200 Wall Street West Lyndhurst, NJ 07071

Former East 11th Street Works
Figure 12 - Jacob Riis
Summary of Detected Constituents
in Subsurface Soil Sample Locations

PREPARED BY: DATE:
JOB NO.: FIGURE:

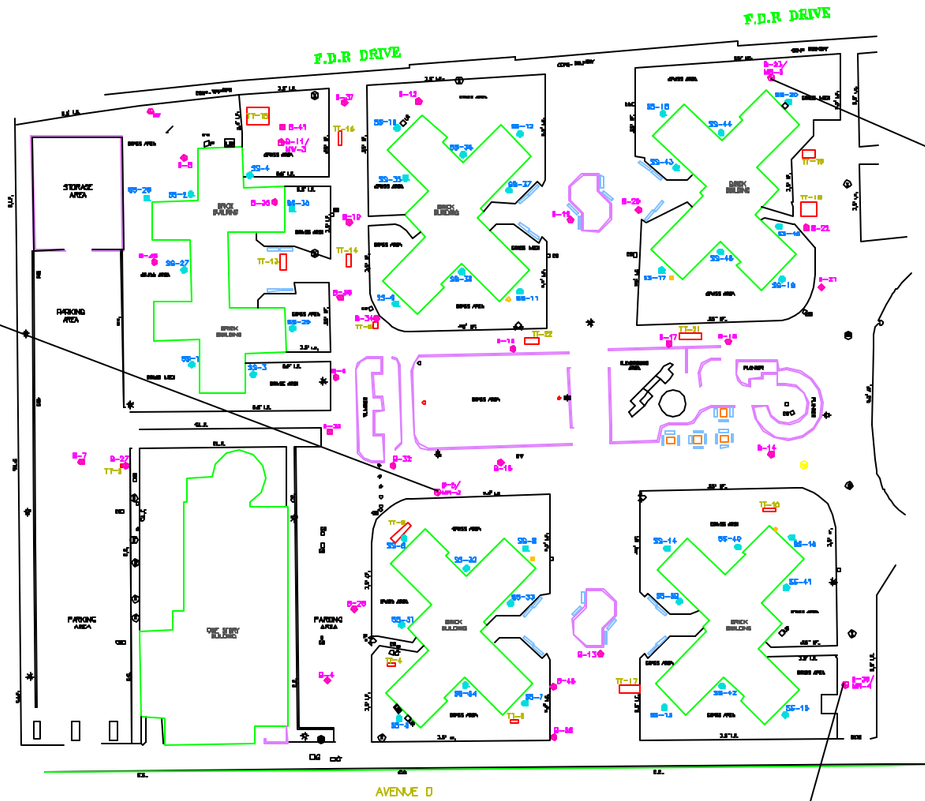
FILENAME

	MW2
Volatile Organic Compounds (ug/L)	
Benzene	*440 D*
Toluene	*66*
Ethyl Benzene	*910 D*
m/p-Xylenes	*200*
o-Xylene	*300 D*
Isopropylbenzene	*94*
Total Confident Conc. VOC	2,010
Total TICs	0
Semivolatile Organic Compounds (ug/L)	
Naphthalene	*790 D*
2-Methylnaphthalene	150 D
1,1-Biphenyl	*19*
Acenaphthylene	1.4 J
Acenaphthene	*26*
Dibenzofuran	2.2 J
Fluorene	15
Phenanthrene	12
Anthracene	1.9 J
Carbazole	1.6 J
Total Confident Conc. SVOC	869.1
Total TICs	0
Metals (ug/L)	
Barium	526
Chromium	2.640 J
Lead	*117*
Mercury	0.1300 J
PCBs (ug/L)	ND
Cyanide (mg/L)	0.031
Cyanide-Amenable (mg/L)	0.03

	MW5	MW55
Volatile Organic Compounds (ug/L)		
Benzene	*5.7*	0.24 U
Toluene	1.9 J	0.39 U
m/p-Xylenes	3.1 J	0.96 U
o-Xylene	2.1 J	0.37 U
Total Confident Conc. VOC	12.2	0
Total TICs	0	0
Semivolatile Organic Compounds (ug/L)		
Acenaphthylene	1.8 J	3.6 J
3-Nitroaniline	1.1 U	1.7 J
Acenaphthene	8.6 J	*21*
Dibenzofuran	0.320 U	9.9 J
Fluorene	0.170 U	21
Phenanthrene	1.5 J	*67*
Anthracene	1.8 J	30
Carbazole	0.310 U	2.9 J
Fluoranthene	12	*51*
Pyrene	14	*68*
Benzo(a)anthracene	*3.6 J*	*16*
Chrysene	*3.5 J*	*14*
Benzo(b)fluoranthene	*1.9 J*	*7.2 J*
Benzo(k)fluoranthene	0.390 U	*4.2 J*
Benzo(a)pyrene	0.450 U	7.9 J
Indeno(1,2,3-cd)pyrene	0.290 U	*3.1 J*
Total Confident Conc. SVOC	48.7	328.5
Total TICs	0	0
Metals (ug/L)		
Barium	183 J	218
Lead	4.700 J	5.440
PCBs (ug/L)	ND	ND
Cyanide (mg/L)	0.016	0.012
Cyanide-Amenable (mg/L)	0.02	0.01

Volatile Organic Compounds (ug/L)	TOGS Class GA
Dichlorodifluoromethane	5
Chloromethane	5
Vinyl Chloride	2
Bromomethane	5
Chloroethane	5
Trichlorofluoromethane	5
1,1,2-Trichlorotrifluoroethane	NA
1,1-Dichloroethene	5
Acetone	50
Carbon Disulfide	NA
Methyl tert-butyl Ether	10
Methyl Acetate	NA
Methylene Chloride	5
trans-1,2-Dichloroethene	5
1,1-Dichloroethane	5
Cyclohexane	NA
2-Butanone	NA
Carbon Tetrachloride	5
cis-1,2-Dichloroethene	5
Chloroform	7
1,1,1-Trichloroethane	5
Methylcyclohexane	NA
Benzene	1
1,2-Dichloroethane	1
Trichloroethene	5
1,2-Dichloropropane	1
Bromodichloromethane	50
4-Methyl-2-Pentanone	NA
Toluene	5
t-1,3-Dichloropropene	0
cis-1,3-Dichloropropene	0
1,1,2-Trichloroethane	5
2-Hexanone	50
Dibromochloromethane	50
1,2-Dibromoethane	NA
Tetrachloroethene	5
Chlorobenzene	5
Ethyl Benzene	5
m/p-Xylenes	5
o-Xylene	5
Styrene	5
Bromoform	50
Isopropylbenzene	5
1,1,2,2-Tetrachloroethane	5
1,3-Dichlorobenzene	3
1,4-Dichlorobenzene	3
1,2-Dichlorobenzene	3
1,2-Dibromo-3-Chloropropane	0
1,2,4-Trichlorobenzene	5
Total Confident Conc. VOC	NA
Metals (ug/L)	
Arsenic	25
Barium	1,000
Cadmium	5
Chromium	50
Lead	25
Mercury	0.7
Selenium	10
Silver	50
PCBs (ug/L)	NA
Cyanide (mg/L)	200
Cyanide-Amenable (mg/L)	NA

Semivolatile Organic Compounds (ug/L)	TOGS Class GA
Benzaldehyde	NA
Phenol	1
bis(2-Chloroethyl)ether	1
2-Chlorophenol	NA
2-Methylphenol	NA
2,2-oxybis(1-Chloropropane)	
Acetophenone	NA
3+4-Methylphenols	NA
N-Nitroso-di-n-propylamine	NA
Hexachloroethane	5
Nitrobenzene	0.4
Isophorone	50
2-Nitrophenol	NA
2,4-Dimethylphenol	50
bis(2-Chloroethoxy)methane	5
2,4-Dichlorophenol	5
Naphthalene	10
4-Chloroaniline	5
Hexachlorobutadiene	0.5
Caprolactam	NA
4-Chloro-3-methylphenol	NA
2-Methylnaphthalene	NA
Hexachlorocyclopentadiene	5
2,4,6-Trichlorophenol	NA
2,4,5-Trichlorophenol	NA
1,1-Biphenyl	5
2-Chloronaphthalene	10
2-Nitroaniline	5
Dimethylphthalate	50
Acenaphthylene	NA
2,6-Dinitrotoluene	5
3-Nitroaniline	5
Acenaphthene	20
2,4-Dinitrophenol	10
4-Nitrophenol	NA
Dibenzofuran	NA
2,4-Dinitrotoluene	5
Diethylphthalate	50
4-Chlorophenyl-phenylether	NA
Fluorene	50
4-Nitroaniline	5
4,6-Dinitro-2-methylphenol	NA
N-Nitrosodiphenylamine	50
4-Bromophenyl-phenylether	NA
Hexachlorobenzene	0.04
Atrazine	7.5
Pentachlorophenol	1
Phenanthrene	50
Anthracene	50
Carbazole	NA
Di-n-butylphthalate	50
Fluoranthene	50
Pyrene	50
Butylbenzylphthalate	5
3,3-Dichlorobenzidine	5
Benzo(a)anthracene	0.002
Chrysene	0.002
bis(2-Ethylhexyl)phthalate	5
Di-n-octyl phthalate	NA
Benzo(b)fluoranthene	0.002
Benzo(k)fluoranthene	0.002
Benzo(a)pyrene	ND
Indeno(1,2,3-cd)pyrene	0.002
Dibenz(a,h)anthracene	NA
Benzo(g,h,i)perylene	NA
Total Confident Conc. SVOC	NA



0 50 100 150 Ft

	MW4
Volatile Organic Compounds (ug/L)	
Cyclohexane	8.3
Methylcyclohexane	5.2
Benzene	*53*
Toluene	3.3 J
Ethyl Benzene	0.81 J
m/p-Xylenes	2.9 J
o-Xylene	1.6 J
Isopropylbenzene	2.1 J
Total Confident Conc. VOC	75.21
Total TICs	0
Semivolatile Organic Compounds (ug/L)	ND
Metals (ug/L)	
Barium	53.3 J
Chromium	5.830 J
PCBs (ug/L)	ND
Cyanide (mg/L)	ND
Cyanide-Amenable (mg/L)	ND

Legend

BUILDING
WALLS
FENCE
CATCHBASIN
FIRE HYDRANT
VALVE
DEPRESSED CURB
EDGE OF GRASS
MANHOLES

BUILDING: PARTY WALL, INDEPENDENT
LOW PRESSURE, HIGH PRESSURE: GV, GS, GE, UV
O.C.
SEWER, WATER, ELECTRIC, GAS, STEAM, N.Y.F.D., SUBWAY, TELEPHONE, MANHOLE (NO ID), DEPT OF CITIES
STREET LIGHT (METAL LIGHT)
WOOD UTILITY POLE
SQUARE DRAIN
ROUND DRAIN
PED. SIGNAL
TWO WAY, DIRECTION OF TRAFFIC, ONE WAY

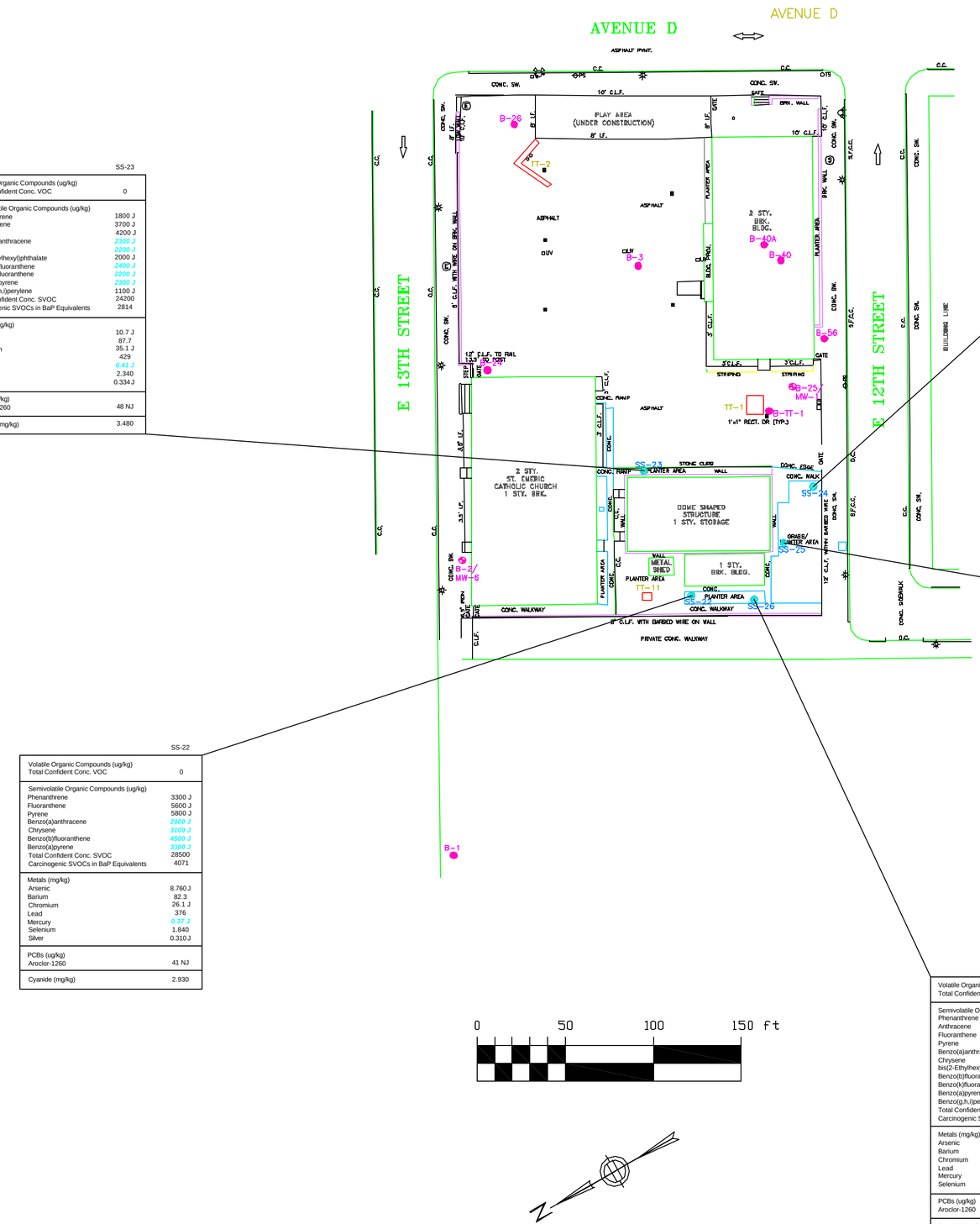
SOIL BORING LOCATION — B-1
SOIL BORING AND MONITORING WELL LOCATION — B-11/MW-3
SURFACE SOIL SAMPLE LOCATION — SS-1
TEST TRENCH LOCATION — TT-1

TRC Environmental Corporation

1200 Wall Street West Lyndhurst, NJ 07071

Former East 11th Street Works
Figure 13 - Jacob Reiss Property
Summary of Detected Constituents
in Groundwater Sample Locations

PREPARED BY:	DATE:
JOB NO.:	FIGURE:



SS-23

Volatile Organic Compounds (ug/kg)	
Total Confident Conc. VOC	0
Semivolatile Organic Compounds (ug/kg)	
Phenanthrene	1800 J
Fluoranthene	3700 J
Pyrene	4200 J
Benzo(a)anthracene	*2300 J*
Chrysene	*2200 J*
bis(2-Ethylhexyl)phthalate	2000 J
Benzo(b)fluoranthene	*2400 J*
Benzo(k)fluoranthene	*2200 J*
Benzo(a)pyrene	*2300 J*
Benzo(g,h,i)perylene	1100 J
Total Confident Conc. SVOC	24200
Carcinogenic SVOCs in BaP Equivalents	2814
Metals (mg/kg)	
Arsenic	10.7 J
Barium	87.7
Chromium	35.1 J
Lead	429
Mercury	*0.41 J*
Selenium	2.340
Silver	0.334 J
PCBs (ug/kg)	
Aroclor-1260	48 NJ
Cyanide (mg/kg)	3.480

SS-24

Volatile Organic Compounds (ug/kg)	
Total Confident Conc. VOC	0
Semivolatile Organic Compounds (ug/kg)	
Phenanthrene	2200 J
Anthracene	560 J
Fluoranthene	3700 J
Pyrene	3700 J
Butylbenzylphthalate	430 J
Benzo(a)anthracene	*2000 J*
Chrysene	*1900 J*
bis(2-Ethylhexyl)phthalate	6600
Benzo(b)fluoranthene	*1900 J*
Benzo(k)fluoranthene	*1800 J*
Benzo(a)pyrene	*1900 J*
Indeno(1,2,3-cd)pyrene	500 J
Benzo(g,h,i)perylene	790 J
Total Confident Conc. SVOC	27980
Carcinogenic SVOCs in BaP Equivalents	2377
Metals (mg/kg)	
Arsenic	*12.1 J*
Barium	181
Cadmium	0.212 J
Chromium	34.2 J
Lead	*711*
Mercury	*0.46 J*
Selenium	2.280
PCBs (ug/kg)	
Aroclor-1260	240
Cyanide (mg/kg)	0.629 U

	TAGM RSCO
Volatile Organic Compounds (ug/kg)	
Dichlorodifluoromethane	NC
Chloromethane	NC
Vinyl Chloride	200
Bromomethane	NC
Chloroethane	1900
Trichlorofluoromethane	NC
1,1,2-Trichlorotrifluoroethane	6000
1,1-Dichloroethene	400
Acetone	200
Carbon Disulfide	2700
Methyl tert-butyl Ether	120
Methyl Acetate	NC
Methylene Chloride	100
trans-1,2-Dichloroethene	300
1,1-Dichloroethane	200
Cyclohexane	NC
2-Butanone	300
Carbon Tetrachloride	600
cis-1,2-Dichloroethene	NC
Chloroform	300
1,1,1-Trichloroethane	800
Methylcyclohexane	NC
Benzene	60
1,2-Dichloroethane	200
Trichloroethene	700
1,2-Dichloropropane	NC
Bromodichloromethane	NC
4-Methyl-2-Pentanone	1000
Toluene	1500
t-1,3-Dichloropropene	NC
cis-1,3-Dichloropropene	NC
1,1,2-Trichloroethane	NC
2-Hexanone	NC
Dibromochloromethane	NA
1,2-Dibromoethane	NC
Tetrachloroethene	1400
Chlorobenzene	1700
Ethyl Benzene	5500
m/p-Xylenes	1200
o-Xylene	600
Styrene	NC
Bromoform	NC
Isopropylbenzene	2300
1,1,2,2-Tetrachloroethane	600
1,3-Dichlorobenzene	1600
1,4-Dichlorobenzene	8500
1,2-Dichlorobenzene	7900
1,2-Dibromo-3-Chloropropane	NC
1,2,4-Trichlorobenzene	3400
Total Confident Conc. VOC	10000
Metals (mg/kg)	
Arsenic	12
Barium	600
Cadmium	1
Chromium	40
Lead	500
Mercury	0.1
Selenium	3.9
Silver	SB
PCBs (ug/kg)	1,000 (surface)/ 10,000 (subsurface)
Cyanide (mg/kg)	NC

	TAGM RSCO
Semivolatile Organic Compounds (ug/kg)	
Benzaldehyde	NC
Phenol	30 or MDL
bis(2-Chloroethyl)ether	NC
2-Chlorophenol	800
2-Methylphenol	100 or MDL
2,2'-oxybis(1-Chloropropane)	NC
Acetophenone	NC
3+4-Methylphenols	900
N-Nitroso-di-n-propylamine	NC
Hexachloroethane	NC
Nitrobenzene	200 or MDL
Isophorone	4,400
2-Nitrophenol	330 or MDL
2,4-Dimethylphenol	NC
bis(2-Chloroethoxy)methane	NC
2,4-Dichlorophenol	400
Naphthalene	13,000
4-Chloroaniline	220 or MDL
Hexachlorobutadiene	NC
Caprolatam	NC
4-Chloro-3-methylphenol	240 or MDL
2-Methylnaphthalene	36,400
Hexachlorocyclopentadiene	NC
2,4,6-Trichlorophenol	NC
2,4,5-Trichlorophenol	100
1,1-Biphenyl	NC
2-Chloronaphthalene	NC
2-Nitroaniline	430 or MDL
Dimethylphthalate	2,000
Acenaphthylene	41,000
2,6-Dinitrotoluene	1,000
3-Nitroaniline	500 or MDL
Acenaphthene	50,000
2,4-Dinitrophenol	200 or MDL
4-Nitrophenol	100 or MDL
Dibenzofuran	6,200
2,4-Dinitrotoluene	1,000
Diethylphthalate	7,100
4-Chlorophenyl-phenylether	NC
Fluorene	50,000
4-Nitroaniline	NC
4,6-Dinitro-2-methylphenol	NC
N-Nitrosodiphenylamine	NC
4-Bromophenyl-phenylether	NC
Hexachlorobenzene	410
Atrazine	NC
Pentachlorophenol	1000 or MDL
Phenanthrene	50,000
Anthracene	50,000
Carbazole	NC
Di-n-butylphthalate	8,100
Fluoranthene	50,000
Pyrene	50,000
Butylbenzylphthalate	50,000
3,3-Dichlorobenzidine	NA
Benzo(a)anthracene	224 or MDL
Chrysene	400
bis(2-Ethylhexyl)phthalate	50,000
Di-n-octyl phthalate	50,000
Benzo(b)fluoranthene	1,100
Benzo(k)fluoranthene	1,100
Benzo(a)pyrene	61 or MDL
Indeno(1,2,3-cd)pyrene	3,200
Dibenz(a,h)anthracene	14 or MDL
Benzo(g,h,i)perylene	50,000
Total Confident Conc. SVOC	500,000

SS-22

Volatile Organic Compounds (ug/kg)	
Total Confident Conc. VOC	0
Semivolatile Organic Compounds (ug/kg)	
Phenanthrene	3300 J
Fluoranthene	5600 J
Pyrene	5800 J
Benzo(a)anthracene	*2900 J*
Chrysene	*3100 J*
Benzo(b)fluoranthene	*4500 J*
Benzo(a)pyrene	*3300 J*
Total Confident Conc. SVOC	28500
Carcinogenic SVOCs in BaP Equivalents	4071
Metals (mg/kg)	
Arsenic	8.760 J
Barium	82.3
Chromium	26.1 J
Lead	376
Mercury	*0.17 J*
Selenium	1.840
Silver	0.310 J
PCBs (ug/kg)	
Aroclor-1260	41 NJ
Cyanide (mg/kg)	2.930

SS-25

Volatile Organic Compounds (ug/kg)	
Total Confident Conc. VOC	0
Semivolatile Organic Compounds (ug/kg)	
Naphthalene	99 J
Phenanthrene	670 J
Anthracene	200 J
Carbazole	110 J
Di-n-butylphthalate	160 J
Fluoranthene	1700
Pyrene	1900
Butylbenzylphthalate	120 J
Benzo(a)anthracene	*1100*
Chrysene	*1200*
bis(2-Ethylhexyl)phthalate	1300
Benzo(b)fluoranthene	*1300*
Benzo(k)fluoranthene	*1300 J*
Benzo(a)pyrene	*1500*
Indeno(1,2,3-cd)pyrene	440 J
Benzo(g,h,i)perylene	660 J
Total Confident Conc. SVOC	13759
Carcinogenic SVOCs in BaP Equivalents	1809
Metals (mg/kg)	
Arsenic	*15.5 J*
Barium	109
Chromium	22.9 J
Lead	246
Mercury	*0.44 J*
Selenium	1.490
Silver	0.262 J
PCBs (ug/kg)	
Aroclor-1260	59
Cyanide (mg/kg)	0.621 U

SS-26

Volatile Organic Compounds (ug/kg)	
Total Confident Conc. VOC	0
Semivolatile Organic Compounds (ug/kg)	
Phenanthrene	2300 J
Anthracene	830 J
Fluoranthene	4200 J
Pyrene	4200 J
Benzo(a)anthracene	*2200 J*
Chrysene	*2200 J*
bis(2-Ethylhexyl)phthalate	1800 J
Benzo(b)fluoranthene	*2600 J*
Benzo(k)fluoranthene	*1200 J*
Benzo(a)pyrene	*1900 J*
Benzo(g,h,i)perylene	790 J
Total Confident Conc. SVOC	24420
Carcinogenic SVOCs in BaP Equivalents	2434
Metals (mg/kg)	
Arsenic	6.900 J
Barium	105
Chromium	23.9 J
Lead	364
Mercury	*0.25 J*
Selenium	1.620
PCBs (ug/kg)	
Aroclor-1260	65
Cyanide (mg/kg)	0.598 U

0 50 100 150 ft

Legend

BUILDING
WALLS
FENCE
CATCHBASIN
FIRE HYDRANT
VALVE
DEPRESSED CURB
EDGE OF GRASS
MANHOLES

BUILDING
PARTY WALL
INDEPENDENT

LOW PRESSURE HIGH PRESSURE
W G SI UV

D.C.

S SEWER
W WATER
E ELECTRIC
G GAS
ST STEAM
P N.Y.F.D.
SW SUBWAY
T TELEPHONE
MH MANHOLE (NO ID)
E BECO or OTEB

STREET LIGHT (METAL LIGHT)
WOOD UTILITY POLE
SQUARE DRAIN
ROUND DRAIN
PS PED. SIGNAL
TWO WAY DIRECTION OF TRAFFIC
ONE WAY

SOIL BORING LOCATION — B-1
SOIL BORING AND MONITORING WELL LOCATION — B-11/MW-3
SURFACE SOIL SAMPLE LOCATION — SS-1
TEST TRENCH LOCATION — TT-1

TRC Environmental Corporation

1200 Wall Street West Lyndhurst, NJ 07071

Former East 11th Street Works
Figure 14 - Saint Emeric's Property
Summary of Detected Constituents
in Surface Soil Sample Locations

PREPARED BY:	DATE:
JOB NO.:	FIGURE:

	B26 11.0-11.5'	B26 25-27'	B26 37-39'
Volatile Organic Compounds (ug/kg)			
Methylcyclohexane	8.3	0.49U	0.42U
Benzene	8.4 J	33 J	0.24U
Ethyl Benzene	3.2 J	0.34U	0.29U
m/p-Xylenes	3.0 J	0.70U	0.60U
Isopropylbenzene	4.7 J	2.7 J	0.44U
Total Confident Conc. VOC	27.6	35.7	0
Semivolatile Organic Compounds (ug/kg)			
Naphthalene	350 J	9.7U	8.4U
2-Methylnaphthalene	53 J	7.7U	6.6U
Fluorene	65 J	13U	11U
Phenanthrene	310 J	10U	8.6U
Anthracene	110 J	11U	9.2U
Fluoranthene	750	6.2U	5.4U
Pyrene	1000	8.0U	6.9U
Butylbenzylphthalate	13U	15U	42 J
Benzo(a)anthracene	*610*	6.7U	5.8U
Chrysene	*570*	14U	12U
bis(2-Ethylhexyl)phthalate	8.8U	10U	310 J
Benzo(b)fluoranthene	600	24U	21U
Benzo(k)fluoranthene	260 J	15U	13U
Benzo(a)pyrene	*570*	7.7U	6.6U
Indeno(1,2,3-cd)pyrene	240 J	11U	9.3U
Dibenz(a,h)anthracene	*38 J*	13U	11U
Benzo(g,h,i)perylene	310 J	19U	17U
Total Confident Conc. SVOC	5837	0	352
Carcinogenic SVOCs in BaP Equivalents	762.3	ND	ND
Metals (mg/kg)			
Arsenic	4.430 J	2.350 J	0.530 J
Barium	64.0	96.3	21.9 J
Chromium	18.9 J	26.0 J	8.570 J
Lead	89.6	9.120	3.270
Mercury	*0.15 J*	0.02 J	0.01 J
Selenium	0.988 J	1.180 J	0.396 J
Silver	0.121	3.910 J	0.123 UJ
PCBs (ug/kg)	ND	ND	ND
Cyanide (mg/kg)	0.581 U	0.682 U	0.586 U

	TT-2-OUT 3'	TT-2-IN 3'
Volatile Organic Compounds (ug/kg)		
Methylene Chloride	5.3 J	2.9 J
Total Confident Conc. VOC	5.3	2.9
Semivolatile Organic Compounds (ug/kg)		
Naphthalene	1900	220 J
2-Methylnaphthalene	1100	96 J
1,1-Biphenyl	120 J	22U
Acenaphthylene	1100	120 J
Acenaphthene	110 J	110 J
Dibenzofuran	110 J	25U
Fluorene	220 J	75 J
Phenanthrene	1300	980
Anthracene	470 J	310 J
Carbazole	98 J	100 J
Fluoranthene	3400	2700
Pyrene	4200	2900
Benzo(a)anthracene	*2900*	*1700*
Chrysene	*2600*	*1500*
Benzo(b)fluoranthene	*3700*	*2000*
Benzo(k)fluoranthene	*2200 J*	880 J
Benzo(a)pyrene	*3300*	*1600*
Indeno(1,2,3-cd)pyrene	1200 J	560 J
Dibenz(a,h)anthracene	*280 J*	*94 J*
Benzo(g,h,i)perylene	1800	730 J
Total Confident Conc. SVOC	32028	16675
Carcinogenic SVOCs in BaP Equivalents	4328	2143.8
Metals (mg/kg)		
Arsenic	*23.3 J*	*14.7 J*
Barium	184	135
Cadmium	0.103 J	0.053 U
Chromium	19.8 J	13.3 J
Lead	*1740*	478
Mercury	*0.84 J*	*0.78 J*
Selenium	1.710	1.060 J
PCBs (ug/kg)	ND	ND
Cyanide (mg/kg)	1.610	0.120 U

	B40A 3.5-4'
Volatile Organic Compounds (ug/kg)	ND
Semivolatile Organic Compounds (ug/kg)	
bis(2-Ethylhexyl)phthalate	57 J
Total Confident Conc. SVOC	57
Carcinogenic SVOCs in BaP Equivalents	ND
Metals (mg/kg)	
Arsenic	0.666 J
Barium	41.4
Chromium	14.6 J
Lead	5.640
Selenium	1.590 J
PCBs (ug/kg)	
Aroclor 1260	19
Cyanide (mg/kg)	0.530 U

	B40 4-4.5'
Volatile Organic Compounds (ug/kg)	
Isopropylbenzene	13
Total Confident Conc. VOC	13
Semivolatile Organic Compounds (ug/kg)	
Naphthalene	38 J
2-Methylnaphthalene	53 J
Acenaphthylene	37 J
bis(2-Ethylhexyl)phthalate	60 J
Total Confident Conc. SVOC	188
Carcinogenic SVOCs in BaP Equivalents	ND
Metals (mg/kg)	
Barium	23.7
Chromium	7.190 J
Lead	8.350
Selenium	1.430 J
PCBs (ug/kg)	ND
Cyanide (mg/kg)	0.536 U

	B3 2.5-3'	B3 9-10'	B3 13-14'	B3 38-39'
Volatile Organic Compounds (ug/kg)				
Methylene Chloride	4.6 J	0.72U	0.86U	0.86U
Benzene	0.25 UJ	0.21 UJ	4.8 J	0.26U
Tetrachloroethene	3.7 J	0.68U	0.80U	0.80U
Ethyl Benzene	0.31 UJ	0.26U	10	0.32U
m/p-Xylenes	0.63 UJ	0.55U	6.7	0.65U
o-Xylene	0.53 UJ	0.46U	5.5 J	0.55U
Total Confident Conc. VOC	8.3	0	27	0
Semivolatile Organic Compounds (ug/kg)				
Naphthalene	88U	63 J	3100	9.0U
2-Methylnaphthalene	70U	6.0U	930	7.1U
Acenaphthene	90U	7.7U	62 J	9.1U
Fluorene	120U	60 J	45 J	12U
Phenanthrene	2000 J	300 J	170 J	9.3U
Anthracene	97U	57 J	84 J	9.9U
Fluoranthene	3000 J	120 J	390 J	5.8U
Pyrene	3900 J	190 J	520	7.4U
Butylbenzylphthalate	140U	37 J	14U	14U
Benzo(a)anthracene	*1900 J*	55 J	*310 J*	6.3U
Chrysene	*1700 J*	56 J	300 J	13U
bis(2-Ethylhexyl)phthalate	93U	150 J	9.6U	45 J
Benzo(b)fluoranthene	*2300 J*	38 J	300 J	22U
Benzo(k)fluoranthene	970 J	12U	250 J	14U
Benzo(a)pyrene	*1600 J*	6.0U	*360 J*	7.1U
Indeno(1,2,3-cd)pyrene	98U	8.4U	150 J	10U
Benzo(g,h,i)perylene	450 J	15U	190 J	18U
Total Confident Conc. SVOC	17820	1126	7161	45
Carcinogenic SVOCs in BaP Equivalents	2046.7	9.86	441.5	ND
Metals (mg/kg)				
Arsenic	8.600 J	1.410 J	3.730 J	0.394 J
Barium	203	36.0	82.3	23.7 J
Cadmium	0.825 J	0.049 U	0.057 U	0.058 U
Chromium	8.590 J	12.6 J	18.7 J	6.710
Lead	433	3.830	146	2.640
Mercury	*0.32 J*	0.01 UJ	*0.17 J*	0.01 U
Selenium	2.130	0.586 J	1.290	0.396 U
PCBs (ug/kg)	ND	ND	ND	ND
Cyanide (mg/kg)	6.080	0.535 U	0.63 U	0.632 U

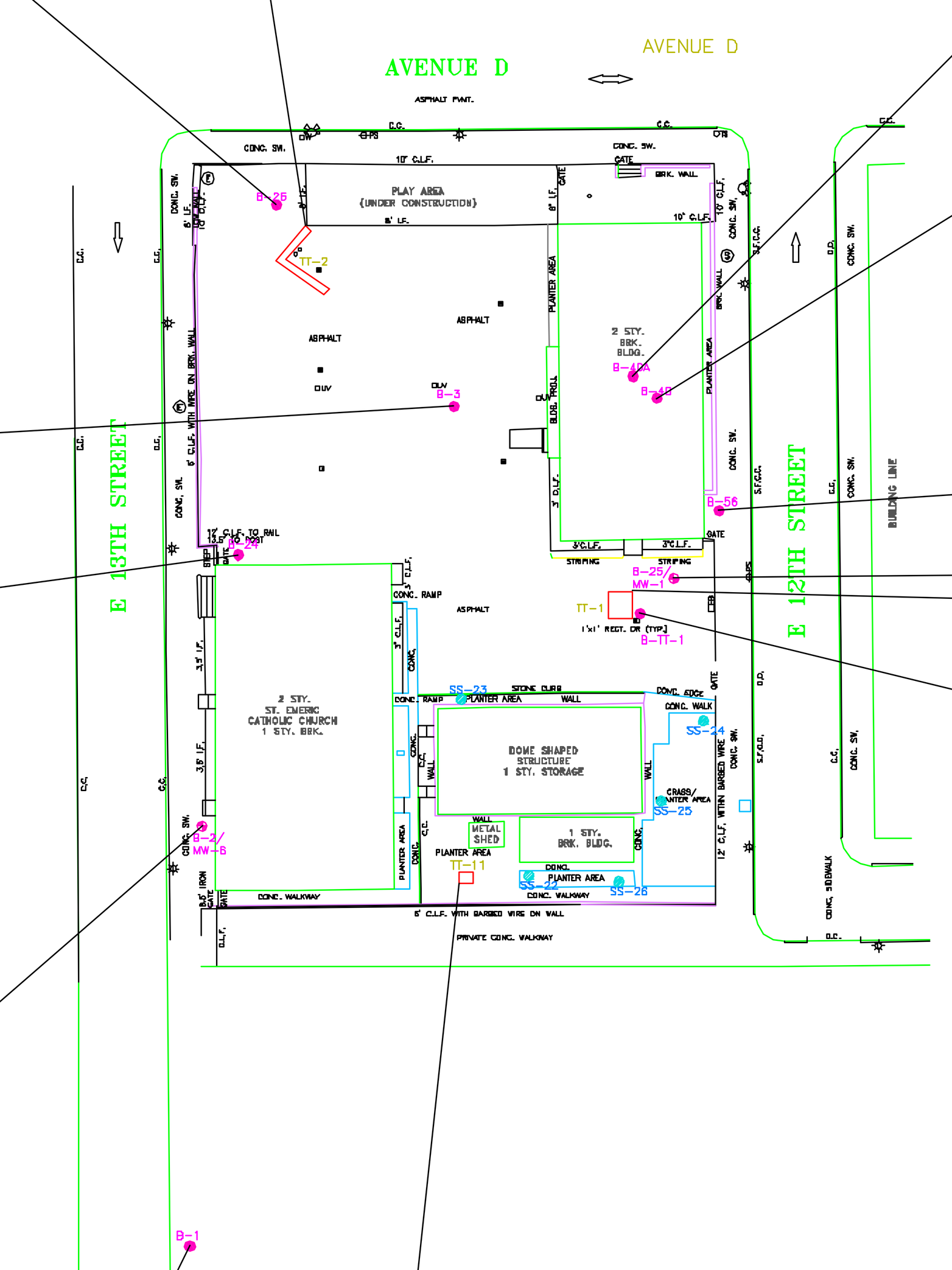
	B56 3-4'
Volatile Organic Compounds (ug/kg)	
Methylene Chloride	16 J
Benzene	24 J
Toluene	17 J
m/p-Xylenes	51 J
o-Xylene	44 J
Isopropylbenzene	19 J
Total Confident Conc. VOC	171
Semivolatile Organic Compounds (ug/kg)	
Naphthalene	1700
2-Methylnaphthalene	4500
Fluorene	260 J
Phenanthrene	660 J
Fluoranthene	470 J
Pyrene	830 J
Benzo(a)anthracene	*310 J*
Chrysene	360 J
bis(2-Ethylhexyl)phthalate	210 J
Benzo(b)fluoranthene	460 J
Benzo(k)fluoranthene	270 J
Benzo(a)pyrene	*330 J*
Benzo(g,h,i)perylene	160 J
Total Confident Conc. SVOC	10520
Carcinogenic SVOCs in BaP Equivalents	413.3
Metals (mg/kg)	
Arsenic	3.650
Barium	76.2
Cadmium	0.742
Chromium	9.200
Lead	198 J
Mercury	*0.25 J*
Selenium	0.678 J
PCBs (ug/kg)	ND
Cyanide (mg/kg)	5.560

	B25 10-10.5'	B25 16.5-17'	B25 22.5-23.0'
Volatile Organic Compounds (ug/kg)			
Acetone	9.6 UJ	59 J	34
Carbon Disulfide	0.13 UJ	4.9 J	0.13U
Methylene Chloride	7.0 J	3.8 J	16 J
Cyclohexane	0.39 UJ	21 J	0.39U
Methylcyclohexane	0.46 UJ	130J	0.46U
Benzene	0.26 UJ	*2100 D*	12
Ethyl Benzene	0.32 UJ	130	12
m/p-Xylenes	0.66 UJ	93	21
o-Xylene	0.55 UJ	27	10
Isopropylbenzene	0.47 UJ	1500 D	2.6 J
Total Confident Conc. VOC	7	4068.7	107.6
Semivolatile Organic Compounds (ug/kg)			
Acetophenone	76 J	23U	22U
Naphthalene	1700	2200	610
2-Methylnaphthalene	650	310 J	110 J
Acenaphthylene	98 J	13U	13U
Fluorene	12U	53 J	12U
Phenanthrene	91 J	220 J	9.4U
Anthracene	10U	79 J	10U
Fluoranthene	96 J	470	5.8U
Pyrene	150 J	500	7.5U
Benzo(a)anthracene	69 J	*270 J*	6.3U
Chrysene	69 J	230 J	13U
bis(2-Ethylhexyl)phthalate	46 J	45 J	9.6U
Benzo(b)fluoranthene	130 J	280 J	22U
Benzo(k)fluoranthene	54 J	120 J	14U
Benzo(a)pyrene	*99 J*	*230 J*	7.2U
Indeno(1,2,3-cd)pyrene	10U	57 J	10U
Benzo(g,h,i)perylene	18U	95 J	18U
Total Confident Conc. SVOC	3328	5159	720
Carcinogenic SVOCs in BaP Equivalents	120.13	294.2	ND
Metals (mg/kg)			
Arsenic	4.090 J	1.480 J	0.766 J
Barium	55.3 J	42.0 J	111 J
Cadmium	0.905 J	0.702 J	0.699 J
Chromium	11.8 J	13.2 J	24.3
Lead	*533*	68.4	10.4
Mercury	*0.52*	*0.19*	0.01
Selenium	1.910 J	1.340 J	0.496 J
Silver	0.134 U	0.260 J	0.135 U
PCBs (ug/kg)	ND	ND	ND
Cyanide (mg/kg)	2.940	0.684 U	0.643 U

	TT-1 3'
Volatile Organic Compounds (ug/kg)	
Acetone	*1400 J*
Carbon Disulfide	880 J
Methylcyclohexane	120 J
Benzene	*230 J*
Toluene	1200J
Ethyl Benzene	650 J
m/p-Xylenes	*9300D*
o-Xylene	*8800D*
Styrene	350 J
Isopropylbenzene	1600 J
Total Confident Conc. VOC	*24510*
Semivolatile Organic Compounds (ug/kg)	
Naphthalene	*270000D*
2-Methylnaphthalene	*150000D*
1,1-Biphenyl	8700
Acenaphthene	2300 J
Dibenzofuran	4700 J
Fluorene	5700
Phenanthrene	5400
Anthracene	1300 J
Fluoranthene	3800 J
Pyrene	4700 J
Benzo(a)anthracene	*1600 J*
Chrysene	*1800 J*
Benzo(b)fluoranthene	*1500 J*
Benzo(k)fluoranthene	*1700 J*
Benzo(a)pyrene	*1600 J*
Indeno(1,2,3-cd)pyrene	500 J
Benzo(g,h,i)perylene	750 J
Total Confident Conc. SVOC	446050
Carcinogenic SVOCs in BaP Equivalents	1995
Metals (mg/kg)	
Arsenic	*103 J*
Barium	*2410 J*
Cadmium	*62.5 J*
Chromium	*188 J*
Lead	*32700*
Mercury	*0.46 J*
Selenium	*13.1*
Silver	14.5 J
PCBs (ug/kg)	ND
Cyanide (mg/kg)	270

	B24 1-2'	B24 2-2.5'	B24 6.5-7'	B24 9-11'	B24 10-10.5'
Volatile Organic Compounds (ug/kg)					
Methylene Chloride	5.2 J	4.8 J	0.78U	0.81U	3.5 J
Toluene	1.8 J	1.6 J	0.30U	0.31U	0.31U
m/p-Xylenes	1.5 J	1.3 J	0.59U	0.61U	0.61U
Styrene	0.43 UJ	1.7 J	0.36U	0.37U	0.37U
Total Confident Conc. VOC	8.5	9.4	0	0	3.5
Semivolatile Organic Compounds (ug/kg)					
Acetophenone	1200 J	630 J	39U	21U	20U
Naphthalene	1600 J	710 J	310 J	370 J	110 J
2-Methylnaphthalene	890 J	320 J	77 J	190 J	6.7U
Acenaphthylene	140U	330 J	140 J	12U	12U
Phenanthrene	100U	500 J	530 J	130 J	120 J
Anthracene	110U	170 J	200 J	61 J	51 J
Fluoranthene	64U	920 J	1600	78 J	350 J
Pyrene	620 J	1400 J	2100	110 J	420
Benzo(a)anthracene	69U	*1000 J*	*1300*	5.9U	*260 J*
Chrysene	150U	*1000 J*	*1300*	12U	270 J
bis(2-Ethylhexyl)phthalate	110U	37U	360 J	75 J	89 J
Benzo(b)fluoranthene	240R	*3000J*	*2000*	57 J	390
Benzo(k)fluoranthene	460 J	*1300 J*	720 J	13U	150 J
Benzo(a)pyrene	79R	*2100 J*	*1600*	*63 J*	*290 J*
Indeno(1,2,3-cd)pyrene	110 UJ	310 J	720 J	40 J	140 J
Dibenz(a,h)anthracene	130R	47U	*150 J*	12U	11U
Benzo(g,h,i)perylene	200 J	980 J	900	60 J	170 J
Total Confident Conc. SVOC	5640	14670	14007	1234	2810
Carcinogenic SVOCs in BaP Equivalents	4.6	2554	2172.2	72.7	373.2
Metals (mg/kg)					
Arsenic	*66.9*	*20.6*	9.510 J	1.500 J	7.200 J
Barium	*2510*	547	176	38.3	207
Cadmium	*43.1*	*19.7*	*2.470 J*	0.054U	*2.710 J*
Chromium	*120*	30.8	15.3 J	10.9 J	21.7 J
Lead	*21400*	*3850*	*934*	25.6	*1060*
Mercury	*0.62*	*1.1*	*0.48 J*	0.07 J	*0.27 J*
Selenium	*4.610 J*	2.090 J	*3.940 J*	1.550	2.490 J
PCBs (ug/kg)					
Aroclor 1260	170	72 J	3.4U	3.4U	3.5U
Cyanide (mg/kg)	77	16	1.730	0.596U	4.070

	B-TT-1 5-6'	B-TT-1 8.5-9'	B-TT-1 12-12.5'
Volatile Organic Compounds (ug/kg)			
Carbon Disulfide	0.12U	0.12U	11 J
Methylene Chloride	9.9 J	9.5 J	5.9 J
Methylcyclohexane	0.42U	0.41U	6.2 J
Benzene	0.24U	0.23U	52 J
Toluene	0.31U	0.30U	*2700 D*
Ethyl Benzene	0.30U	0.29U	*7600 D*
m/p-Xylenes	0.61U	0.59U	*13000 D*
o-Xylene	0.51U	0.50U	*5900 D*
Styrene	0.37U	0.36U	1700 D
Isopropylbenzene	0.44U	0.43U	910 D
Total Confident Conc. VOC	9.9	9.5	31885.1
Semivolatile Organic Compounds (ug/kg)			
Naphthalene	420U	*21000 D*	1700
2-Methylnaphthalene	330U	4700	660 J
1,1-Biphenyl	570U	210 J	23U
Acenaphthylene	580U	240 J	23U
Acenaphthene	430U	95 J	17U
Fluorene	550U	270 J	22U
4-Bromophenyl-phenylether	510U	170 J	20U
Phenanthrene	430U	580 J	120 J
Anthracene	460U	230 J	18U
Fluoranthene	270U	430 J	150 J
Pyrene	340U	600 J	200 J
Benzo(a)anthracene	290U	*250 J*	100 J
Chrysene	610U	290 J	110 J
bis(2-Ethylhexyl)phthalate	440U	17U	89 J
Benzo(b)fluoranthene	1000U	280 J	160 J
Benzo(k)fluoranthene	660U	180 J	82 J
Benzo(a)pyrene	330U	*280 J*	*140 J*
Indeno(1,2,3-cd)pyrene	470U	120 J	19U
Benzo(g,h,i)perylene	840U	170 J	87 J
Total Confident Conc. SVOC	0	30095	3598
Carcinogenic SVOCs in BaP Equivalents	ND	349.7	167.92
Metals (mg/kg)			
Arsenic	7.490 J	3.160 J	0.735 J
Barium	146	112	35.0
Cadmium	*3.650 J*	*1.240 J*	0.562 J
Chromium	14.2 J	13.5 J	11.2 J
Lead	*770*	*740*	221
Mercury	*1.0 J*	*0.21 J*	0.05 J
Selenium	2.460 J	2.310	1.790 J
Silver	0.450 J	0.225 J	0.120U
PCBs (ug/kg)	ND	ND	ND
Cyanide (mg/kg)	0.828	0.576	0.643



	B2 7-9'	B2 15-17'	B2 19-21'	B2 23-25'
Volatile Organic Compounds (ug/kg)				
Methylene Chloride	7.0 J	21 J	3.6 J	0.83U
Toluene	2.8 J	1.5 UJ	0.34 UJ	0.32U
Ethyl Benzene	26 J	1.5 UJ	0.33 UJ	0.3U
m/p-Xylenes	170 J	3.0 UJ	0.68 UJ	0.63U
o-Xylene	120 J	16 J	0.57 UJ	0.53U
Isopropylbenzene	44 J	2.2 UJ	0.49 UJ	0.45U
Total Confident Conc. VOC	369.8	37	3.6	0
Semivolatile Organic Compounds (ug/kg)				
Naphthalene	600 J	1000 J	9.3U	8.7U
2-Methylnaphthalene	1500	3600 J	7.3U	6.9U
1,1-Biphenyl	21U	23U	13U	12U
Dibenzofuran	23U	90 J	14U	13U
Fluorene	20U	150 J	12U	11U
Phenanthrene	110 J	260 J	9.5U	9.0U
Fluoranthene	9.8U	11U	5.9U	50 J
Pyrene	13U	89 J	7.6U	51 J
bis(2-Ethylhexyl)phthalate	150 J	190 J	75 J	42 J
Total Confident Conc. SVOC	2360	5379	75	143
Carcinogenic SVOCs in BaP Equivalents	ND	ND	ND	ND
Metals (mg/kg)				
Arsenic	2.350	1.950	2.010	2.2 J
Barium	47.2	54.0	232	10.8 J
Cadmium	0.930	0.472 J	*3.410*	0.06U
Chromium	13.0	18.2	*62.7*	7.5
Lead	48.4 J	15.8 J	13.2 J	8.6
Mercury	0.08 J	0.03 J	0.02 J	0.01U
Selenium	1.030 J	1.270	1.540 J	0.38U
PCBs (ug/kg)	ND	ND	ND	ND
Cyanide (mg/kg)	0.534 U	0.588U	0.654U	0.607

	B1 8 - 8.5'	B1 16-16.5'	B1 24.5 25'
Volatile Organic Compounds (ug/kg)			
Methylene Chloride	10	0.79U	2.7 J
Total Confident Conc. VOC	10	0	2.7
Semivolatile Organic Compounds (ug/kg)			
Naphthalene	8.9U	87 J	8.9U
2-Methylnaphthalene	7.0U	190 J	7.0U
bis(2-Ethylhexyl)phthalate	9.4U	74 J	9.4U
Total Confident Conc. SVOC	0	351	0
Carcinogenic SVOCs in BaP Equivalents	ND	ND	ND
Metals (mg/kg)			
Arsenic	4.990 J	4.290 J	1.420
Barium	31.3	46.2	148
Cadmium	0.912 J	0.506 J	0.855
Chromium	8.670 J	15.3 J	33.9
Lead	44.4	31.1	10.6
Mercury	*0.89 J*	0.08 J	0.01U
Selenium	*5.070 J*	3.370 J	2.200
Silver	1.100 J	0.202 J	0.132U
PCBs (ug/kg)	ND	ND	ND
Cyanide (mg/kg)	4.080	0.986	0.629U

	TT-11 0-1'	TT-11 2-3'	TT-11 3-4'
Volatile Organic Compounds (ug/kg)			
Total Confident Conc. VOC	0	0	0
Semivolatile Organic Compounds (ug/kg)			
Naphthalene	460 J	81 J	8.2U
2-Methylnaphthalene	190 J	62 J	6.5U
Acenaphthylene	370 J	110 J	11U
Acenaphthene	120 J	8.2U	8.3U
Dibenzofuran	90 J	12U	12U
Fluorene	150 J	62 J	11U
Phenanthrene	1400	590	42 J
Anthracene	450 J	92 J	9.0U
Carbazole	150 J	8.2U	8.3U
Fluoranthene	3000	670	82 J
Pyrene	3300	880	93 J
Benzo(a)anthracene	*2200*	*410*	53 J
Chrysene	*2100*	*450*	60 J
bis(2-Ethylhexyl)phthalate	130 J	160 J	8.6U
Benzo(b)fluoranthene	*2200*	280 J	49 J
Benzo(k)fluoranthene	*2000 J*	330 J	66 J
Benzo(a)pyrene	*2200*	*340 J*	*63 J*
Indeno(1,2,3-cd)pyrene	870 J	170 J	46 J
Dibenz(a,h)anthracene	*330 J*	*40 J*	11U
Benzo(g,h,i)perylene	1100	200 J	64 J
Total Confident Conc. SVOC	22610	4927	618
Carcinogenic SVOCs in BaP Equivalents	2898	473.8	79.06
Metals (mg/kg)			
Arsenic	*27.7 J*	8.010 J	6.010 J
Barium	259	62.9	63.8
Chromium	22.6 J	17.2 J	12.1 J
Lead	*3100*	217	175
Mercury	*2.3 J*	*0.52 J*	*0.92 J*
Selenium	3.290	2.600	2.690
Silver	5.140 UJ	0.244 J	0.119 UJ
PCBs (ug/kg)	ND	ND	ND
Cyanide (mg/kg)	5.450	0.567 U	0.571

0 50 100 150 ft

	TAGM RSCO
Volatile Organic Compounds (ug/kg)	
Dichlorodifluoromethane	NC
Chloromethane	NC
Vinyl Chloride	200
Bromomethane	NC
Chloroethane	1900
Trichlorofluoromethane	NC
1,1,2-Trichlorotrifluoroethane	6000
1,1-Dichloroethene	400
Acetone	200
Carbon Disulfide	2700
Methyl tert-butyl Ether	120
Methyl Acetate	NC
Methylene Chloride	100
trans-1,2-Dichloroethene	300
1,1-Dichloroethane	200
Cyclohexane	NC
2-Butanone	300
Carbon Tetrachloride	600
cis-1,2-Dichloroethene	NC
Chloroform	300
1,1,1-Trichloroethane	800
Methylcyclohexane	NC
Benzene	60
1,2-Dichloroethane	200
Trichloroethene	700
1,2-Dichloropropane	NC
Bromodichloromethane	NC
4-Methyl-2-Pentanone	1000
Toluene	1500
t-1,3-Dichloropropene	NC
cis-1,3-Dichloropropene	NC
1,1,2-Trichloroethane	NC
2-Hexanone	NC
Dibromochloromethane	NA
1,2-Dibromoethane	NC
Tetrachloroethene	1400
Chlorobenzene	1700
Ethyl Benzene	5500
m/p-Xylenes	1200
o-Xylene	600
Styrene	NC
Bromoform	NC
Isopropylbenzene	2300
1,1,2,2-Tetrachloroethane	600
1,3-Dichlorobenzene	1600
1,4-Dichlorobenzene	8500
1,2-Dichlorobenzene	7900
1,2-Dibromo-3-Chloropropane	NC
1,2,4-Trichlorobenzene	3400
Total Confident Conc. VOC	10000
Metals (mg/kg)	
Arsenic	12
Barium	600
Cadmium	1
Chromium	40
Lead	500
Mercury	0.1
Selenium	3.9
Silver	SB
PCBs (ug/kg)	1,000 (surface)/ 10,000 (subsurface)
Cyanide (mg/kg)	NC

	TAGM RSCO
Semivolatile Organic Compounds (ug/kg)	
Benzaldehyde	NC
Phenol	30 or MDL
bis(2-Chloroethyl)ether	NC
2-Chlorophenol	800
2-Methylphenol	100 or MDL
2,2-oxybis(1-Chloropropane)	NC
Acetophenone	NC
3+4-Methylphenols	900
N-Nitroso-di-n-propylamine	NC
Hexachloroethane	NC
Nitrobenzene	200 or MDL
Isophorone	4,400
2-Nitrophenol	330 or MDL
2,4-Dimethylphenol	NC
bis(2-Chloroethoxy)methane	NC
2,4-Dichlorophenol	400
Naphthalene	13,000
4-Chloroaniline	220 or MDL
Hexachlorobutadiene	NC
Caprolatam	NC
4-Chloro-3-methylphenol	240 or MDL
2-Methylnaphthalene	36,400
Hexachlorocyclopentadiene	NC
2,4,6-Trichlorophenol	NC
2,4,5-Trichlorophenol	100
1,1-Biphenyl	NC
2-Chloronaphthalene	NC
2-Nitroaniline	430 or MDL
Dimethylphthalate	2,000
Acenaphthylene	41,000
2,6-Dinitrotoluene	1,000
3-Nitroaniline	500 or MDL
Acenaphthene	50,000
2,4-Dinitrophenol	200 or MDL
4-Nitrophenol	100 or MDL
Dibenzofuran	6,200
2,4-Dinitrotoluene	1,000
Diethylphthalate	7,100
4-Chlorophenyl-phenylether	NC
Fluorene	50,000
4-Nitroaniline	NC
4,6-Dinitro-2-methylphenol	NC
N-Nitrosodiphenylamine	NC
4-Bromophenyl-phenylether	NC
Hexachlorobenzene	410
Atrazine	NC
Pentachlorophenol	1000 or MDL
Phenanthrene	50,000
Anthracene	50,000
Carbazole	NC
Di-n-butylphthalate	8,100
Fluoranthene	50,000
Pyrene	50,000
Butylbenzylphthalate	50,000
3,3-Dichlorobenzidine	NA
Benzo(a)anthracene	224 or MDL
Chrysene	400
bis(2-Ethylhexyl)phthalate	50,000
Di-n-octyl phthalate	50,000
Benzo(b)fluoranthene	1,100
Benzo(k)fluoranthene	1,100
Benzo(a)pyrene	61 or MDL
Indeno(1,2,3-cd)pyrene	3,200
Dibenz(a,h)anthracene	14 or MDL
Benzo(g,h,i)perylene	50,000
Total Confident Conc. SVOC	500,000

Legend

BUILDING — BUILDING
WALLS — PARTY WALL, INDEPENDENT
FENCE
CATCHBASIN
FIRE HYDRANT — LOW PRESSURE, HIGH PRESSURE
VALVE — W, G, SR, UV
DEPRESSED CURB — D.C.
EDGE OF GRASS
MANHOLES — SEWER, ELECTRIC, STEAM, SUBWAY, MANHOLE (NO ID), WATER, GAS, N.Y.F.D., TELEPHONE, BECO or CTES
STREET LIGHT (METAL LIGHT)
WOOD UTILITY POLE
SQUARE DRAIN
ROUND DRAIN
PED. SIGNAL
TWO WAY DIRECTION OF TRAFFIC ONE WAY

SOIL BORING LOCATION — B-1
SOIL BORING AND MONITORING WELL LOCATION — B-11/MW-3
SURFACE SOIL SAMPLE LOCATION — SS-1
TEST TRENCH LOCATION — TT-1

Notes:

All surface soil samples were collected from the 2 inch interval directly below vegetative cover.

17,000	Result exceeds soil cleanup criterion (TAGM RSCO)
J	Estimated value
ND	Not Detected
U	Not Detected
ug/kg	micrograms per kilogram All volatile, semi-volatile, and PCB results are in ug/kg.
mg/kg	milligrams per kilogram All metals and cyanide result concentrations are in mg/kg.
Cleanup Criterion	New York State Technical Assistance Guidance Memorandum (TAGM) 4046, January 24, 1994, and December 2000 Revisions, Residential Soil Cleanup Objectives (RSCO) and Revisions (1998).

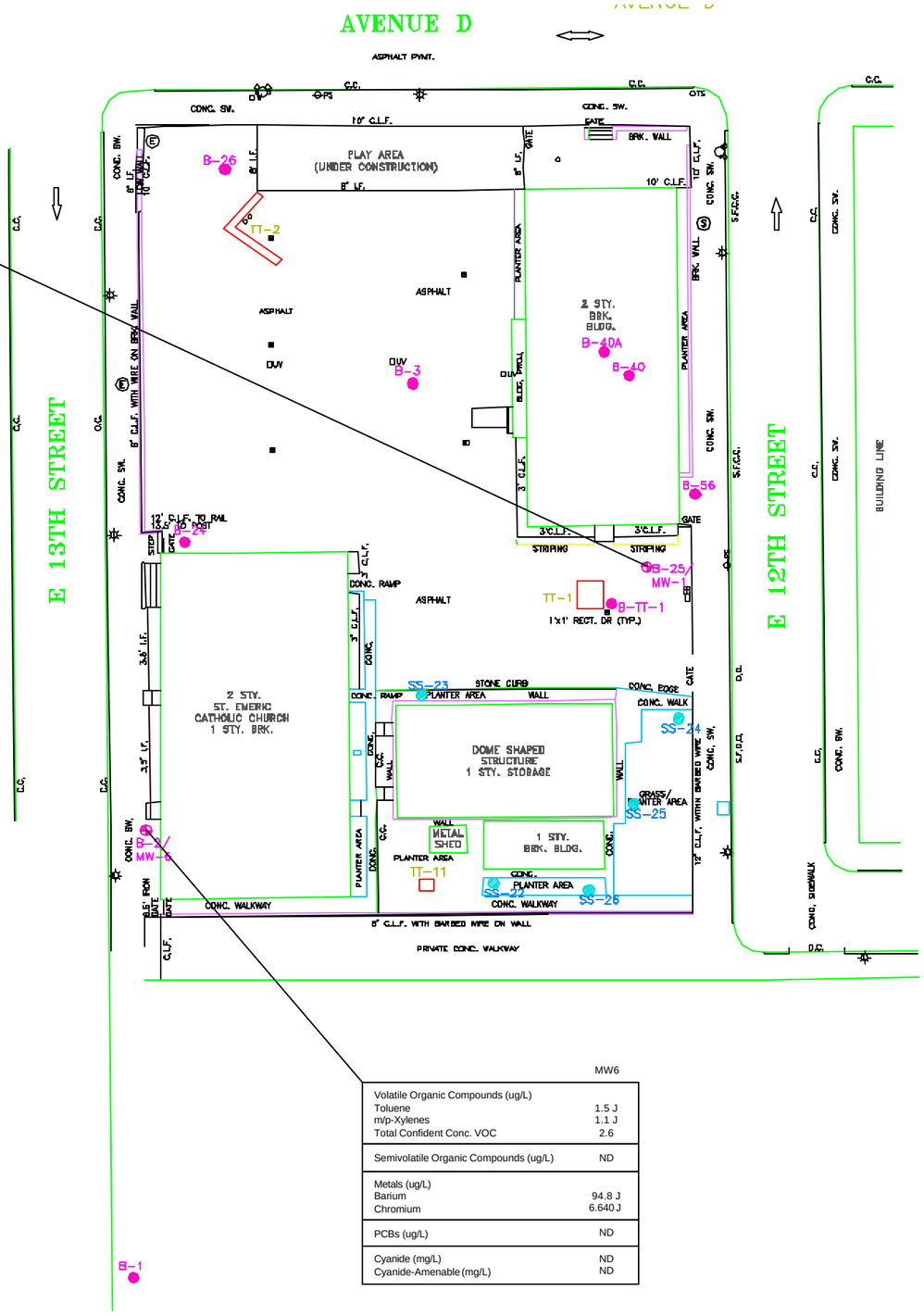
TRC Environmental Corporation

1200 Wall Street West Lyndhurst, NJ 07071

Former East 11th Street Works
Figure 15 - Saint Emeric's Property
Summary of Detected Constituents
in Subsurface Soil Sample Locations

PREPARED BY: DATE:

JOB NO.: FIGURE:



Legend

- BUILDING
- WALLS
- FENCE
- CATCHBASIN
- FIRE HYDRANT
- VALVE
- DEPRESSED CURB
- EDGE OF DRASS
- MANHOLES

BUILDING
PARTY WALL
INDEPENDENT

LOW PRESSURE
HIGH PRESSURE
GM GD GR GUV

S SEWER
E ELECTRIC
ST STEAM
SW SUBWAY
MH MANHOLE (MP ID)
W WATER
G GAS
P N.Y.P.D.
T TELEPHONE
B BOX or GTEE

STREET LIGHT (METAL LIGHT)
WOOD UTILITY POLE
SQUARE DRAIN
ROUND DRAIN
PED. SIGNAL
TWO WAY
DIRECTION OF TRAFFIC
ONE WAY

SOIL BORING LOCATION - - - - - - - - - - B-1
SOIL BORING AND MONITORING WELL LOCATION B-11/MW-3
SURFACE SOIL SAMPLE LOCATION - - - - - - SS-1
TEST TRENCH LOCATION - - - - - - - - - - TT-1

0 50 100 150 ft

	MW1
Volatile Organic Compounds (ug/L)	
Methylcyclohexane	2.9 J
Benzene	*140*
Toluene	*6.4*
Ethyl Benzene	*160 D*
m/p-Xylenes	*81*
o-Xylene	*36*
Isopropylbenzene	*54*
Total Confident Conc. VOC	480.3
Semivolatile Organic Compounds (ug/L)	
2-Methylnaphthalene	8.1 J
1,1-Biphenyl	3.4 J
Acenaphthene	5.3 J
Dibenzofuran	1.1 J
Fluorene	4.1 J
Phenanthrene	4.4 J
Anthracene	1.1 J
Carbazole	1.8 J
Total Confident Conc. SVOC	29.3
Metals (ug/L)	
Arsenic	5.820 J
Barium	96.0 J
Chromium	10.8
Lead	*89.2*
Mercury	0.3800
PCBs (ug/L)	ND
Cyanide (mg/L)	0.063
Cyanide-Amenable (mg/L)	0.06

	TOGS Class GA
Volatile Organic Compounds (ug/L)	
Dichlorodifluoromethane	5
Chloromethane	5
Vinyl Chloride	2
Bromomethane	5
Chloroethane	5
Trichlorofluoromethane	5
1,1,2-Trichlorotrifluoroethane	NA
1,1-Dichloroethene	5
Acetone	50
Carbon Disulfide	NA
Methyl tert-butyl Ether	10
Methyl Acetate	NA
Methylene Chloride	5
trans-1,2-Dichloroethene	5
1,1-Dichloroethane	5
Cyclohexane	NA
2-Butanone	NA
Carbon Tetrachloride	5
cis-1,2-Dichloroethene	5
Chloroform	7
1,1,1-Trichloroethane	5
Methylcyclohexane	NA
Benzene	1
1,2-Dichloroethane	1
Trichloroethene	5
1,2-Dichloropropane	1
Bromodichloromethane	50
4-Methyl-2-Pentanone	NA
Toluene	5
t-1,3-Dichloropropene	0
cis-1,3-Dichloropropene	0
1,1,2-Trichloroethane	5
2-Hexanone	50
Dibromochloromethane	50
1,2-Dibromoethane	NA
Tetrachloroethene	5
Chlorobenzene	5
Ethyl Benzene	5
m/p-Xylenes	5
o-Xylene	5
Styrene	5
Bromoform	50
Isopropylbenzene	5
1,1,2,2-Tetrachloroethane	5
1,3-Dichlorobenzene	3
1,4-Dichlorobenzene	3
1,2-Dichlorobenzene	3
1,2-Dibromo-3-Chloropropane	0
1,2,4-Trichlorobenzene	5
Total Confident Conc. VOC	NA
Metals (ug/L)	
Arsenic	25
Barium	1,000
Cadmium	5
Chromium	50
Lead	25
Mercury	0.7
Selenium	10
Silver	50
PCBs (ug/L)	NA
Cyanide (mg/L)	200
Cyanide-Amenable (mg/L)	NA

	TOGS Class GA
Semivolatile Organic Compounds (ug/L)	
Benzaldehyde	NA
Phenol	1
bis(2-Chloroethyl)ether	1
2-Chlorophenol	NA
2-Methylphenol	NA
2,2-oxybis(1-Chloropropane)	
Acetophenone	NA
3+4-Methylphenols	NA
N-Nitroso-di-n-propylamine	NA
Hexachloroethane	5
Nitrobenzene	0.4
Isophorone	50
2-Nitrophenol	NA
2,4-Dimethylphenol	50
bis(2-Chloroethoxy)methane	5
2,4-Dichlorophenol	5
Naphthalene	10
4-Chloroaniline	5
Hexachlorobutadiene	0.5
Caprolactam	NA
4-Chloro-3-methylphenol	NA
2-Methylnaphthalene	NA
Hexachlorocyclopentadiene	5
2,4,6-Trichlorophenol	NA
2,4,5-Trichlorophenol	NA
1,1-Biphenyl	5
2-Chloronaphthalene	10
2-Nitroaniline	5
Dimethylphthalate	50
Acenaphthylene	NA
2,6-Dinitrotoluene	5
3-Nitroaniline	5
Acenaphthene	20
2,4-Dinitrophenol	10
4-Nitrophenol	NA
Dibenzofuran	NA
2,4-Dinitrotoluene	5
Diethylphthalate	50
4-Chlorophenyl-phenylether	NA
Fluorene	50
4-Nitroaniline	5
4,6-Dinitro-2-methylphenol	NA
N-Nitrosodiphenylamine	50
4-Bromophenyl-phenylether	NA
Hexachlorobenzene	0.04
Atrazine	7.5
Pentachlorophenol	1
Phenanthrene	50
Anthracene	50
Carbazole	NA
Di-n-butylphthalate	50
Fluoranthene	50
Pyrene	50
Butylbenzylphthalate	5
3,3-Dichlorobenzidine	5
Benzo(a)anthracene	0.002
Chrysene	0.002
bis(2-Ethylhexyl)phthalate	5
Di-n-octyl phthalate	NA
Benzo(b)fluoranthene	0.002
Benzo(k)fluoranthene	0.002
Benzo(a)pyrene	ND
Indeno(1,2,3-cd)pyrene	0.002
Dibenz(a,h)anthracene	NA
Benzo(g,h,i)perylene	NA
Total Confident Conc. SVOC	NA

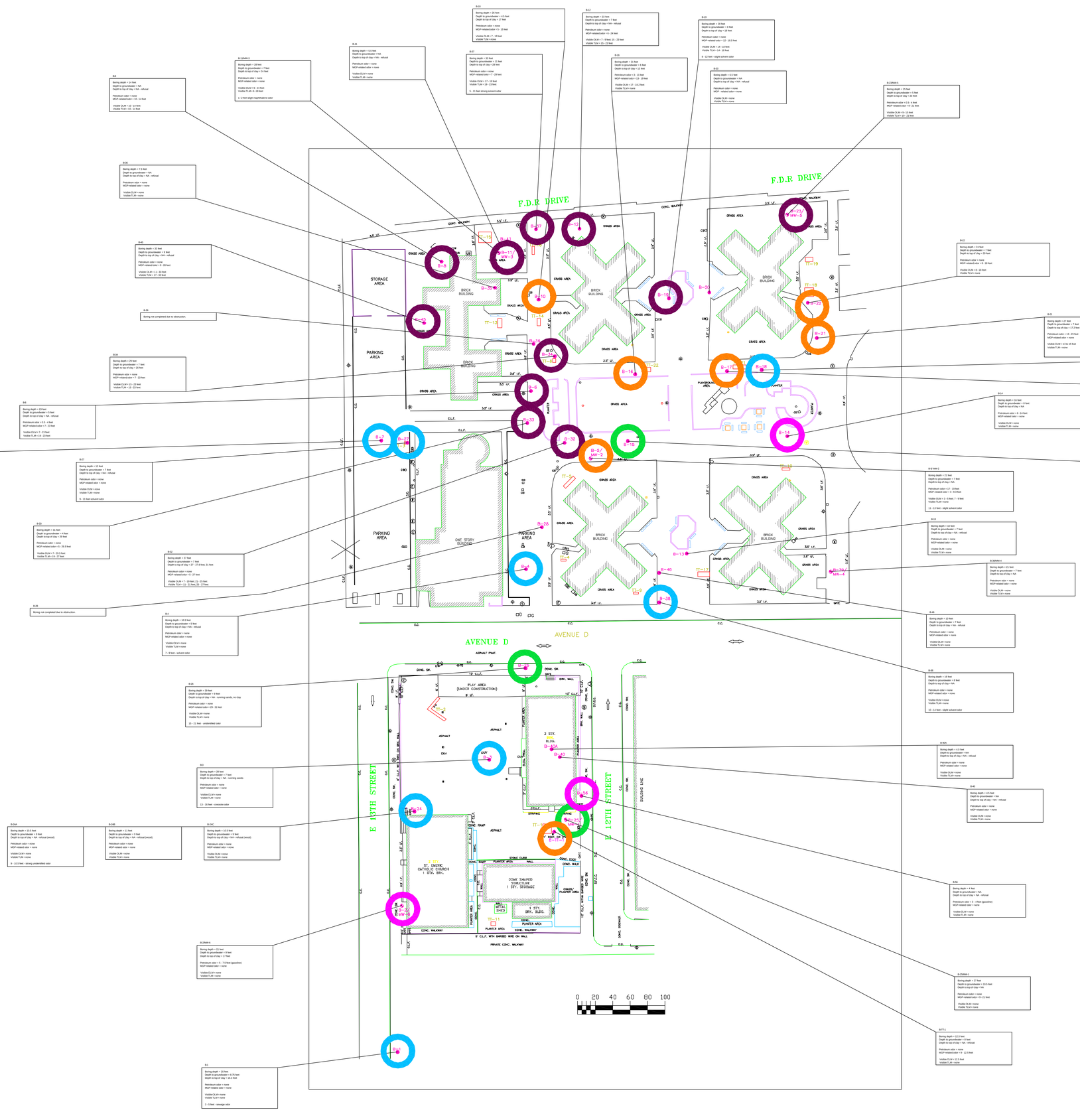
	MW6
Volatile Organic Compounds (ug/L)	
Toluene	1.5 J
m/p-Xylenes	1.1 J
Total Confident Conc. VOC	2.6
Semivolatile Organic Compounds (ug/L)	ND
Metals (ug/L)	
Barium	94.8 J
Chromium	6.640 J
PCBs (ug/L)	ND
Cyanide (mg/L)	ND
Cyanide-Amenable (mg/L)	ND

TRC Environmental Corporation

1200 Wall Street West Lyndhurst, NJ 07071

Former East 11th Street Works
Figure 16 - Saint Emeric's Property
Summary of Detected Constituents
in Groundwater Sample Locations

PREPARED BY:	DATE:
JOB NO.:	FIGURE:



Color Legend

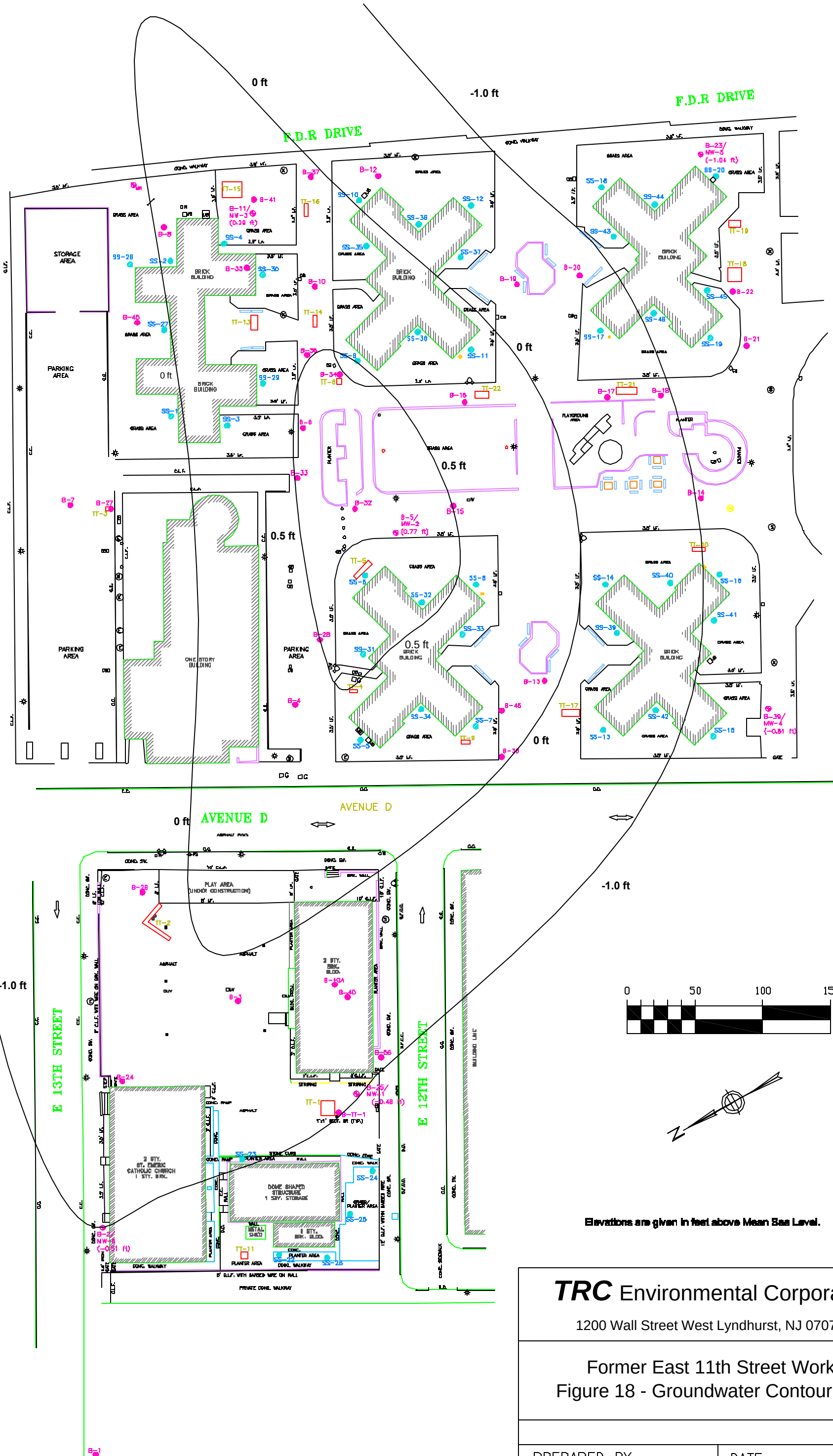
Note: A priority color-coded ranking system has been established in the order presented below. If a location has more than one observation, the color code selected is based upon the highest observation in this order.

- Denotes the presence of Visible Tar-Like Material
- Denotes the presence of Visible Oil-Like Material
- Denotes the presence of MGP-Related Odor
- Denotes the presence of Petroleum Odor
- Denotes the presence of Other/Unknown Odor

Legend

BUILDING
WALLS
FENCE
CATCH BASIN
FIRE HYDRANT
VALVE
DEPRESSED CURB
EDGE OF GRASS
MANHOLES
SOIL BORING LOCATION — B-1
SOIL BORING AND MONITORING WELL LOCATION — B-11/MW-3
TEST TRENCH LOCATION — TT-1
OIL LIKE MATERIAL — OLM
TAR LIKE MATERIAL — TLM

TRC Environmental Corporation	
1200 Wall Street West Lyndhurst, NJ 07071	
Former East 11th Street Works Figure 17 - Summary of Field Observations/Odors/NAPL	
PREPARED BY:	DATE:
JOB NO.:	FIGURE:



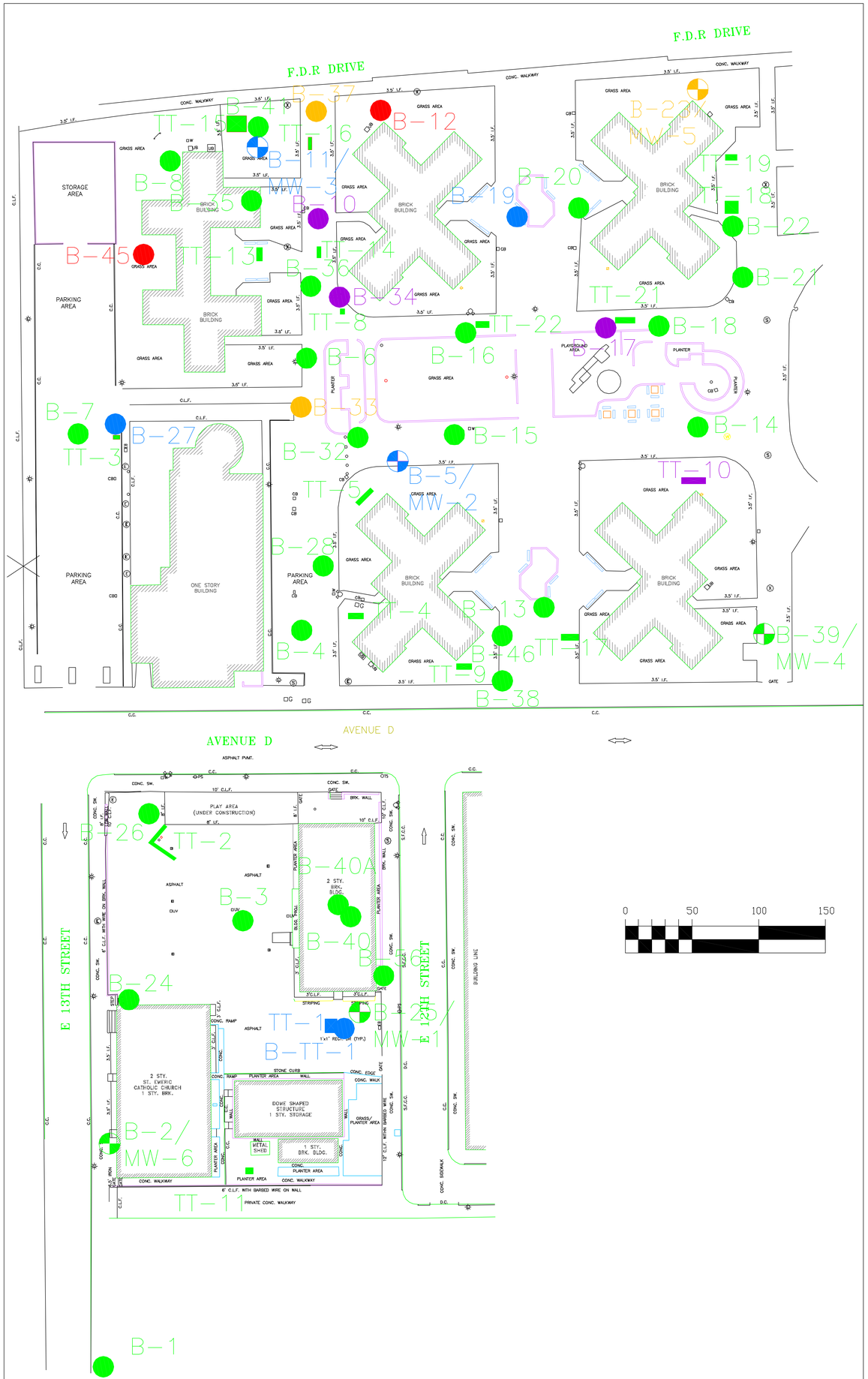
Elevations are given in feet above Mean Sea Level.

TRC Environmental Corporation

1200 Wall Street West Lyndhurst, NJ 07071

Former East 11th Street Works
Figure 18 - Groundwater Contour Map

PREPARED BY:	DATE:
JOB NO.:	FIGURE:



COLOR CODING DESIGNATIONS

LOCATION WHERE TAGM RSCO (10 mg/kg) IS NOT EXCEEDED	B-1
LOCATION WHERE: 100 mg/kg> Concentration > 10 mg/kg	B-11
LOCATION WHERE: 500 mg/kg> Concentration > 100 mg/kg	B-17
LOCATION WHERE: 1,000 mg/kg> Concentration > 500 mg/kg	B-23
LOCATION WHERE: 10,000 mg/kg> Concentration > 1,000 mg/kg	B-45

NOTE: SAMPLE LOCATIONS HAVE BEEN ENLARGED FOR VISUAL PRESENTATION.

Legend

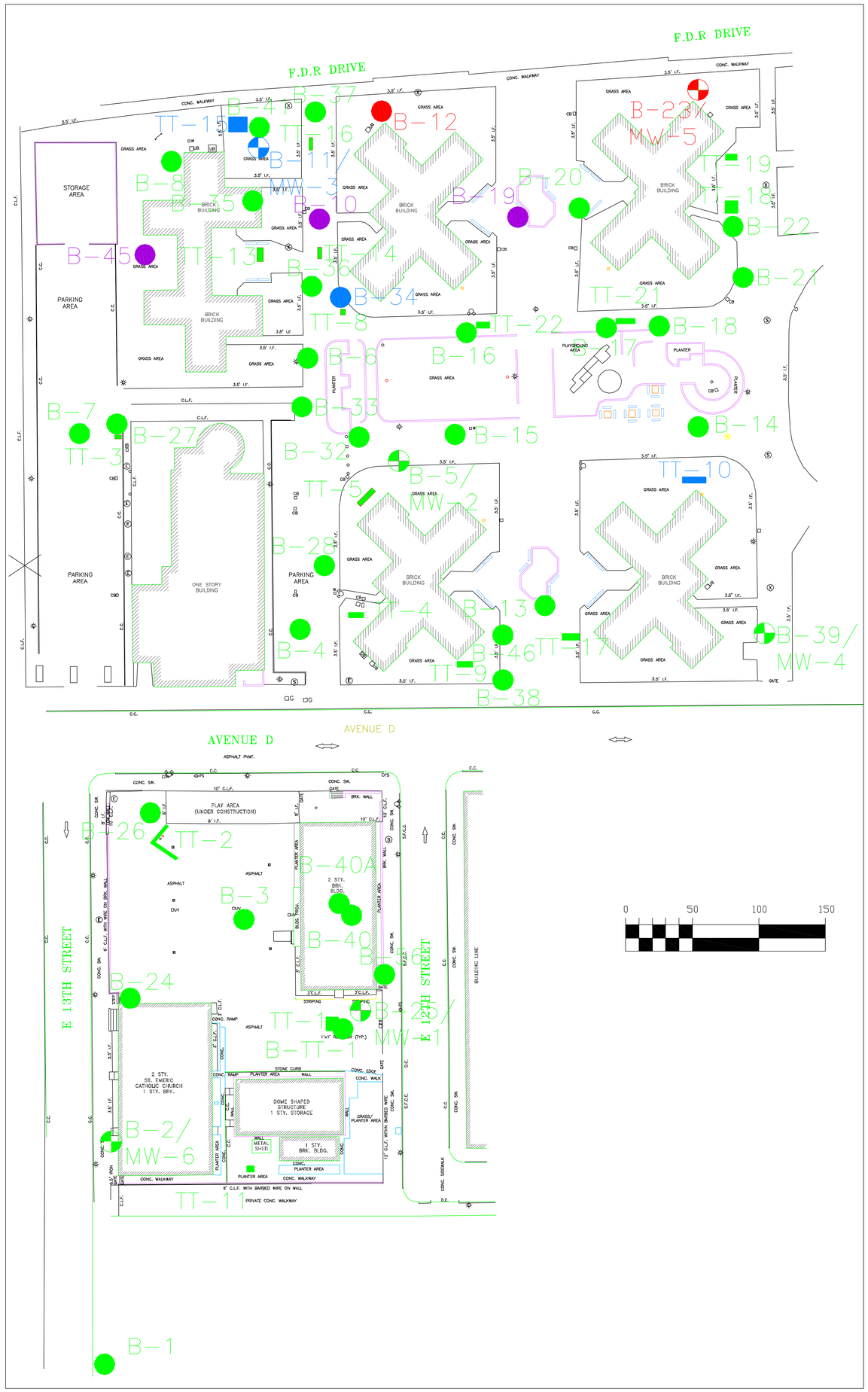
BUILDING
WALLS
FENCE
CATCH BASIN
TRAC INTERVAL
VALVE
DEPRESSED CURB
EDGE OF GRASS
MANHOLES

SOIL BORING LOCATION — B-1
SOIL BORING AND MONITORING WELL LOCATION — B-11/MW-3
TEST TRENCH LOCATION — TT-1

TRC Environmental Corporation
1200 Wall Street West Lyndhurst, NJ 07071

Former East 11th Street Works
Figure 19 -
Total VOCs Concentration Ranges

PREPARED BY:	DATE:
JOB NO.:	FIGURE:



COLOR CODING DESIGNATIONS

LOCATION WHERE TAGM RSCO (500 mg/kg) IS NOT EXCEEDED	B-1
LOCATION WHERE: 1,000 mg/kg> Concentration > 500 mg/kg	B-11
LOCATION WHERE: 5,000 mg/kg> Concentration > 1,000 mg/kg	B-19
LOCATION WHERE: 10,000 mg/kg> Concentration > 5,000 mg/kg	B-23
LOCATION WHERE: 11,000 mg/kg> Concentration > 10,000 mg/kg	B-12

NOTE: SAMPLE LOCATIONS HAVE BEEN ENLARGED FOR VISUAL PRESENTATION.

Legend

SOIL BORING LOCATION B-1
SOIL BORING AND MONITORING WELL LOCATION B-11/MW-3
TEST TRENCH LOCATION TT-1

TRC Environmental Corporation
1200 Wall Street West Lyndhurst, NJ 07071

Former East 11th Street Works
Figure 20 -
Total SVOCs Concentration Ranges

PREPARED BY:	DATE:
JOB NO.:	FIGURE:

Summary of Site Characterization Study Field Program for Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 3-1

Soil Borings

Individual TAGM RSCO Exceedance?

Sample Location	Sample Location Rationale	Sample Interval (Feet below ground surface)			VOCs	SVOCs	PP Metals	PCBs	Total Cyanide	Amenable Cyanide	Total VOCs	Total SVOCs
B4	Gas Holder No. 10 and the previous smaller gas holder location.	5	to	7	No	No	No	No	NA	NA	No	No
		9	to	11	No	No	No	No	NA	NA	No	No
B5	Gas Holder No. 10 and the previous smaller gas holder location and converted to MW	3	to	5	☑	☑	☑	No	NA	NA	☑	No
		7	to	9	☑	☑	☑	No	NA	NA	☑	No
		17	to	19	☑	☑	☑	No	NA	NA	No	No
B6	Previous smaller gas holder location.	3	to	4	No	☑	☑	No	NA	NA	No	No
B7	"Ash dump"location.	5	to	7	No	No	No	No	NA	NA	No	No
		15	to	17	No	☑	☑	No	NA	NA	No	No
B8	Gas oil tank/ Fuel oil tank.	5	to	7	No	☑	☑	No	NA	NA	No	No
		12	to	14	☑	☑	☑	No	NA	NA	No	No
B10	Gas oil tank.	4	to	5	☑	☑	No	No	NA	NA	No	No
		9	to	11	☑	☑	☑	No	NA	NA	☑	☑
B11	Tar tank/ Gas holder and converted to MW	2	to	3	No	☑	☑	No	NA	NA	No	No
		8	to	10	☑	☑	☑	No	NA	NA	No	No
		18	to	20	☑	☑	☑	No	NA	NA	☑	☑
		26	to	28	No	☑	☑	No	NA	NA	No	No
B12	Tar tank/ Gas holder.	3	to	4	No	☑	☑	No	NA	NA	No	No
		7	to	9	☑	☑	☑	No	NA	NA	☑	No
		21	to	23	☑	☑	☑	No	NA	NA	☑	☑
B13	Gas Holder No. 8 location and converted to MW	5	to	7	No	☑	No	No	NA	NA	No	No
B14	Purifying house location.	8	to	10	No	☑	☑	No	NA	NA	No	No
		14	to	16	No	No	☑	No	NA	NA	No	No
B15	Meter House	8	to	10	☑	No	No	No	NA	NA	No	No
		14	to	16	No	No	☑	No	NA	NA	No	No
B16	Condenser Room	5	to	7	No	☑	☑	No	NA	NA	No	No
		17	to	19	No	☑	☑	No	NA	NA	No	No
		19	to	21	No	☑	☑	No	NA	NA	No	No
B17	Condenser House	5	to	7	No	☑	☑	No	NA	NA	No	No
		10	to	12	☑	☑	☑	No	NA	NA	☑	No

Summary of Site Characterization Study Field Program for Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 3-1

					Individual TAGM RSCO Exceedance?							
Sample Location	Sample Location Rationale	Sample Interval (Feet below ground surface)			VOCs	SVOCs	PP Metals	PCBs	Total Cyanide	Amenable Cyanide	Total VOCs	Total SVOCs
B19	Retort House	12	to	14	No	☑	☑	No	NA	NA	No	No
		16	to	18	☑	☑	☑	No	NA	NA	☑	☑
B21	Scrubber House	14	to	15	☑	☑	☑	No	NA	NA	No	No
		19	to	21	☑	☑	☑	No	NA	NA	No	No
B22	Condenser House	5	to	7	No	☑	☑	No	NA	NA	No	No
		10	to	12	☑	☑	☑	No	NA	NA	No	No
B23	Former Generator House/Scrubbers Area and converted to MW	5	to	7	No	No	☑	No	NA	NA	No	No
		19	to	21	☑	☑	☑	No	NA	NA	☑	☑
		23	to	25	No	☑	☑	No	NA	NA	No	No
B27	Gas Holder No. 10 location.	10	to	12	☑	☑	☑	No	NA	NA	☑	No
B32	Smaller Gas Holder Location	5	to	7	No	☑	☑	No	NA	NA	No	No
		13	to	15	☑	☑	☑	No	NA	NA	No	No
		21	to	23	☑	☑	☑	No	NA	NA	No	No
		35	to	37	No	No	No	No	NA	NA	No	No
B33	Smaller Gas Holder Location	4	to	5	No	☑	☑	No	NA	NA	No	No
		7	to	9	☑	☑	☑	No	NA	NA	☑	No
B34	Smaller Gas Holder Location	5	to	7	No	☑	☑	No	NA	NA	No	☑
		17	to	19	☑	☑	☑	No	NA	NA	☑	☑
B35	Gas oil tank/ Fuel oil tank.	5	to	7	No	☑	☑	No	NA	NA	No	No
B37	Smaller Gas Holder Location	5	to	7	No	☑	☑	No	NA	NA	No	No
		11	to	13	☑	☑	☑	No	NA	NA	☑	No
B38	Gas Holder No. 8 location.	10	to	12	No	☑	☑	No	NA	NA	No	No
		16	to	18	No	☑	☑	No	NA	NA	No	No
B39	Gas Holder No. 8 location.	19	to	21	No	No	No	No	NA	NA	No	No
B41	Underground storage tanks area	3	to	5	No	☑	☑	No	NA	NA	No	No
B45	Replacement for auger refusal	7	to	9	No	☑	☑	No	NA	NA	No	No
		22	to	24	☑	☑	No	No	NA	NA	☑	☑
		32	to	34	☑	☑	☑	No	NA	NA	☑	☑
B46	Replacement for auger refusal	7	to	9	No	No	No	No	NA	NA	No	No
B57	Duplicate of B27	10	to	12	☑	☑	☑	No	NA	NA	☑	No
B60	Duplicate of B11	8	to	10	☑	☑	☑	No	NA	NA	☑	No
B61	Duplicate of B15	14	to	16	No	No	☑	No	NA	NA	No	No

Summary of Site Characterization Study Field Program for Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 3-1

					Individual TAGM RSCO Exceedance?							
Sample Location	Sample Location Rationale	Sample Interval (Feet below ground surface)			VOCs	SVOCs	PP Metals	PCBs	Total Cyanide	Amenable Cyanide	Total VOCs	Total SVOCs
Exploratory Test Pit Trenches												
TT03	Confirm location of ring wall and depth of Gas Holder No. 10. Investigate possible presence of MGP residuals.	2	to	3	☑	☑	☑	No	NA	NA	No	No
TT04	Confirm location of ring wall and depth of Gas Holder No. 10, and the previous smaller gas holder . Investigate possible presence of MGP residuals.	4	to	5	No	☑	☑	No	NA	NA	No	No
TT05	Confirm location of ring wall and depth of Gas Holder No. 10, and the previous smaller gas holder. Investigate possible presence of MGP residuals.	4	to	5	No	☑	☑	No	NA	NA	No	No
TT08	Confirm locations of ring walls and depth of one of the smaller gas holders. Investigate possible presence of MGP residuals.	3	to	4	No	☑	☑	No	NA	NA	No	No
TT9	Confirm location of ring wall and depth of Gas Holder No. 8. Investigate possible presence of MGP residuals.	2	to	3	No	No	☑	No	NA	NA	No	No
TT10	Confirm location of ring wall and depth of Gas Holder No. 8. Investigate possible presence of MGP residuals.	5	to	6	☑	☑	☑	No	NA	NA	R	No
		7	to	8	☑	☑	☑	No	NA	NA	☑	☑
TT13	Confirm location of former gas/fuel oil tank. Investigate possible presence of MGP and/or petroleum residuals.	3	to	4	No	☑	☑	No	NA	NA	No	No
		4	to	5	No	☑	☑	No	NA	NA	No	No

Summary of Site Characterization Study Field Program for Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 3-1

					Individual TAGM RSCO Exceedance?							
Sample Location	Sample Location Rationale	Sample Interval (Feet below ground surface)			VOCs	SVOCs	PP Metals	PCBs	Total Cyanide	Amenable Cyanide	Total VOCs	Total SVOCs
TT14	Confirm location of former gas/fuel oil tank. Investigate possible presence of MGP and/or petroleum residuals.	3	to	4	No	☑	☑	No	NA	NA	No	No
TT15	Confirm location of former gas/fuel oil tank. Investigate possible presence of MGP and/or petroleum residuals.	3	to	4	No	☑	☑	No	NA	NA	No	No
TT16	Confirm location of ring wall and depth of the smaller gas holder/tar oil tank. Investigate possible presence of MGP residuals.	1	to	2	☑	☑	☑	No	NA	NA	No	☑
TT17	Confirm depth of Gas Holder No. 8 and investigate possible presence of MGP residuals.	6	to	7	No	☑	No	No	NA	NA	No	No
TT18	Investigate possible presence and extent of MGP residuals in former condenser house near B-22.	3	to	4	No	☑	☑	No	NA	NA	No	No
TT19	Investigate possible presence and extent of MGP residuals in former scrubber area.	3	to	4	No	☑	☑	No	NA	NA	No	No
		6	to	7	No	☑	☑	No	NA	NA	No	No
TT21	Investigate possible presence and extent of MGP residuals in former condenser house.	5	to	6	No	☑	☑	No	NA	NA	No	No
TT22	Investigate possible presence and extent of MGP residuals in former retort house.	3	to	4	No	☑	☑	No	NA	NA	No	No
TT26	Duplicate of TT08	3	to	4	No	☑	☑	No	NA	NA	No	No

Surface Soil Samples

SS01	Assess potential impacts/exposure	0	to	0.2	No	☑	☑	No	NA	NA	No	No

Summary of Site Characterization Study Field Program for Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 3-1

					Individual TAGM RSCO Exceedance?							
Sample Location	Sample Location Rationale	Sample Interval (Feet below ground surface)			VOCs	SVOCs	PP Metals	PCBs	Total Cyanide	Amenable Cyanide	Total VOCs	Total SVOCs
SS02	Assess potential impacts/exposure	0	to	0.2	No	☑	☑	No	NA	NA	No	No
SS03	Assess potential impacts/exposure	0	to	0.2	No	☑	☑	No	NA	NA	No	No
SS04	Assess potential impacts/exposure	0	to	0.2	No	☑	☑	No	NA	NA	No	No
SS05	Assess potential impacts/exposure	0	to	0.2	No	☑	☑	No	NA	NA	No	No
SS06	Assess potential impacts/exposure	0	to	0.2	No	☑	☑	No	NA	NA	No	No
SS07	Assess potential impacts/exposure	0	to	0.2	No	☑	☑	No	NA	NA	No	No
SS08	Assess potential impacts/exposure	0	to	0.2	No	☑	☑	No	NA	NA	No	No
SS09	Assess potential impacts/exposure	0	to	0.2	No	☑	☑	No	NA	NA	No	No
SS10	Assess potential impacts/exposure	0	to	0.2	No	☑	☑	No	NA	NA	No	No
SS11	Assess potential impacts/exposure	0	to	0.2	No	☑	☑	No	NA	NA	No	No
SS12	Assess potential impacts/exposure	0	to	0.2	No	☑	☑	No	NA	NA	No	No
SS13	Assess potential impacts/exposure	0	to	0.2	No	☑	☑	No	NA	NA	No	No
SS14	Assess potential impacts/exposure	0	to	0.2	No	☑	☑	No	NA	NA	No	No
SS15	Assess potential impacts/exposure	0	to	0.2	No	☑	☑	No	NA	NA	No	No
SS16	Assess potential impacts/exposure	0	to	0.2	No	☑	☑	No	NA	NA	No	No
SS17	Assess potential impacts/exposure	0	to	0.2	No	☑	☑	No	NA	NA	No	No
SS18	Assess potential impacts/exposure	0	to	0.2	No	☑	☑	No	NA	NA	No	No
SS19	Assess potential impacts/exposure	0	to	0.2	No	☑	☑	No	NA	NA	No	No

Summary of Site Characterization Study Field Program for Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 3-1

					Individual TAGM RSCO Exceedance?							
Sample Location	Sample Location Rationale	Sample Interval (Feet below ground surface)			VOCs	SVOCs	PP Metals	PCBs	Total Cyanide	Amenable Cyanide	Total VOCs	Total SVOCs
SS20	Assess potential impacts/exposure	0	to	0.2	No	☑	☑	No	NA	NA	No	No
SS21	Assess potential impacts/exposure	0	to	0.2	No	☑	☑	No	NA	NA	No	No
SS27	Assess potential impacts/exposure	0	to	0.2	NA	☑	NA	NA	NA	NA	NA	No
SS28	Assess potential impacts/exposure	0	to	0.2	NA	☑	NA	NA	NA	NA	NA	No
SS29	Assess potential impacts/exposure	0	to	0.2	NA	☑	NA	NA	NA	NA	NA	No
SS30	Assess potential impacts/exposure	0	to	0.2	NA	☑	NA	NA	NA	NA	NA	No
SS31	Assess potential impacts/exposure	0	to	0.2	NA	☑	NA	NA	NA	NA	NA	No
SS32	Assess potential impacts/exposure	0	to	0.2	NA	☑	NA	NA	NA	NA	NA	No
SS33	Assess potential impacts/exposure	0	to	0.2	NA	☑	NA	NA	NA	NA	NA	No
SS34	Assess potential impacts/exposure	0	to	0.2	NA	☑	NA	NA	NA	NA	NA	No
SS35	Assess potential impacts/exposure	0	to	0.2	NA	☑	NA	NA	NA	NA	NA	No
SS36	Assess potential impacts/exposure	0	to	0.2	NA	☑	NA	NA	NA	NA	NA	No
SS37	Assess potential impacts/exposure	0	to	0.2	NA	☑	NA	NA	NA	NA	NA	No
SS38	Assess potential impacts/exposure	0	to	0.2	NA	☑	NA	NA	NA	NA	NA	No
SS39	Assess potential impacts/exposure	0	to	0.2	NA	☑	NA	NA	NA	NA	NA	No
SS40	Assess potential impacts/exposure	0	to	0.2	NA	☑	NA	NA	NA	NA	NA	No
SS41	Assess potential impacts/exposure	0	to	0.2	NA	☑	NA	NA	NA	NA	NA	No
SS42	Assess potential impacts/exposure	0	to	0.2	NA	☑	NA	NA	NA	NA	NA	No

Summary of Site Characterization Study Field Program for Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 3-1

					Individual TAGM RSCO Exceedance?							
Sample Location	Sample Location Rationale	Sample Interval (Feet below ground surface)			VOCs	SVOCs	PP Metals	PCBs	Total Cyanide	Amenable Cyanide	Total VOCs	Total SVOCs
SS43	Assess potential impacts/exposure	0	to	0.2	NA	☑	NA	NA	NA	NA	NA	No
SS44	Assess potential impacts/exposure	0	to	0.2	NA	☑	NA	NA	NA	NA	NA	No
SS45	Assess potential impacts/exposure	0	to	0.2	NA	☑	NA	NA	NA	NA	NA	No
SS46	Assess potential impacts/exposure	0	to	0.2	NA	☑	NA	NA	NA	NA	NA	No
SS1A	Assess potential impacts/exposure	0	to	0.2	NA	☑	NA	NA	NA	NA	NA	No
SS2A	Assess potential impacts/exposure	0	to	0.2	NA	☑	NA	NA	NA	NA	NA	No
SS3A	Assess potential impacts/exposure	0	to	0.2	NA	☑	NA	NA	NA	NA	NA	No
SS4A	Assess potential impacts/exposure	0	to	0.2	NA	☑	NA	NA	NA	NA	NA	No
SS5A	Assess potential impacts/exposure	0	to	0.2	NA	☑	NA	NA	NA	NA	NA	No
SS6A	Assess potential impacts/exposure	0	to	0.2	NA	☑	NA	NA	NA	NA	NA	No
SS7A	Assess potential impacts/exposure	0	to	0.2	NA	☑	NA	NA	NA	NA	NA	No
SS8A	Assess potential impacts/exposure	0	to	0.2	NA	☑	NA	NA	NA	NA	NA	No
SS9A	Assess potential impacts/exposure	0	to	0.2	NA	☑	NA	NA	NA	NA	NA	No
SS10A	Assess potential impacts/exposure	0	to	0.2	NA	☑	NA	NA	NA	NA	NA	No
SS11A	Assess potential impacts/exposure	0	to	0.2	NA	☑	NA	NA	NA	NA	NA	No
SS12A	Assess potential impacts/exposure	0	to	0.2	NA	☑	NA	NA	NA	NA	NA	No
SS13A	Assess potential impacts/exposure	0	to	0.2	NA	☑	NA	NA	NA	NA	NA	No
SS14A	Assess potential impacts/exposure	0	to	0.2	NA	☑	NA	NA	NA	NA	NA	No

Summary of Site Characterization Study Field Program for Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 3-1

					Individual TAGM RSCO Exceedance?							
Sample Location	Sample Location Rationale	Sample Interval (Feet below ground surface)			VOCs	SVOCs	PP Metals	PCBs	Total Cyanide	Amenable Cyanide	Total VOCs	Total SVOCs
SS15A	Assess potential impacts/exposure	0	to	0.2	NA	☑	NA	NA	NA	NA	NA	No
SS16A	Assess potential impacts/exposure	0	to	0.2	NA	☑	NA	NA	NA	NA	NA	No
SS17A	Assess potential impacts/exposure	0	to	0.2	NA	☑	NA	NA	NA	NA	NA	No
SS18A	Assess potential impacts/exposure	0	to	0.2	NA	☑	NA	NA	NA	NA	NA	No
SS19A	Assess potential impacts/exposure	0	to	0.2	NA	☑	NA	NA	NA	NA	NA	No
BKRDSS01	Establish background levels	0	to	0.2	No	☑	☑	No	NA	NA	No	No
BKRDSS02	Establish background levels	0	to	0.2	No	☑	☑	No	NA	NA	No	No
BKRDSS03	Establish background levels	0	to	0.2	No	☑	☑	No	NA	NA	No	No
BKRDSS04	Establish background levels	0	to	0.2	No	☑	☑	No	NA	NA	No	No

Notes:
NA = Not Analyzed

Summary of Site Characterization Study Field Program for Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 3-2

Soil Borings

Individual TAGM RSCO Exceedance?

Sample Location	Sample Location Rationale	Sample Interval (Feet below ground surface)			VOCs	SVOCs	PP Metals	PCBs	Total Cyanide	Amenable Cyanide	Total VOCs	Total SVOCs
B1	Purifying house location.	8	to	8.5	No	No	☑	No	NA	NA	No	No
		16	to	16.5	No	No	No	No	NA	NA	No	No
		26	to	26.5	No	No	No	No	NA	NA	No	No
B2	Purifying house location.	7	to	9	No	No	No	No	NA	NA	No	No
		15	to	17	No	No	No	No	NA	NA	No	No
		19	to	21	No	No	☑	No	NA	NA	No	No
		23	to	25	No	No	No	No	NA	NA	No	No
B3	Gas Holder No. 9 location.	2.5	to	3	No	☑	☑	No	NA	NA	No	No
		9	to	10	No	No	No	No	NA	NA	No	No
		13	to	14	No	☑	☑	No	NA	NA	No	No
		38	to	39	No	No	No	No	NA	NA	No	No
B24	Gas Holder No. 9 location.	1	to	2	No	No	☑	No	NA	NA	No	No
		2	to	2.5	No	☑	☑	No	NA	NA	No	No
		6.5	to	7	No	☑	☑	No	NA	NA	No	No
		9	to	11	No	☑	☑	No	NA	NA	No	No
		10	to	10.5	No	☑	☑	No	NA	NA	No	No
B25	Gas Holder No. 9 location.	10	to	10.5	No	☑	☑	No	NA	NA	No	No
		16.5	to	17	☑	☑	☑	No	NA	NA	No	No
		22.5	to	23	No	No	No	No	NA	NA	No	No
B26	Gas Holder No. 9 location.	11	to	11.5	No	☑	☑	No	NA	NA	No	No
		25	to	27	No	No	No	No	NA	NA	No	No
		37	to	39	No	No	No	No	NA	NA	No	No
B40	Basement of St. Emeric School	4	to	4.5	No	No	No	No	NA	NA	No	No
B40A	Basement of St. Emeric School	3.5	to	4	No	No	No	No	NA	NA	No	No
B56		3	to	4	No	☑	☑	No	NA	NA	No	No

Summary of Site Characterization Study Field Program for Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 3-2

Sample Location	Sample Location Rationale	Sample Interval (Feet below ground surface)			Individual TAGM RSCO Exceedance? VOCs	SVOCs	PP Metals	PCBs	Total Cyanide	Amenable Cyanide	Total VOCs	Total SVOCs
Exploratory Test Pit Trenches												
TT1	Confirm location of ring wall and depth of Gas Holder No. 9. Investigate possible presence of MGP residuals.	3	to	3.5	☑	☑	☑	No	NA	NA	☑	No
		5	to	6	No	☑	☑	No	NA	NA	No	No
		8.5	to	9	No	☑	☑	No	NA	NA	No	No
		12	to	12.5	☑	☑	No	No	NA	NA	☑	No
TT2-IN-3	Confirm location of ring wall and depth of Gas Holder No. 9. Investigate possible presence of MGP residuals.	3	to	3.5	No	☑	☑	No	NA	NA	No	No
TT2-OUT-3		3	to	3.5	No	☑	☑	No	NA	NA	No	No
TT11	Investigate possible presence of MGP residuals in former purifier house area.	0	to	1	No	☑	☑	No	NA	NA	No	No
		2	to	3	No	☑	☑	No	NA	NA	No	No
		3	to	4	No	☑	☑	No	NA	NA	No	No
Surface Soil Samples												
SS22	Assess potential impacts/exposure	0	to	0.2	No	☑	☑	No	NA	NA	No	No
SS23	Assess potential impacts/exposure	0	to	0.2	No	☑	☑	No	NA	NA	No	No
SS24	Assess potential impacts/exposure	0	to	0.2	No	☑	☑	No	NA	NA	No	No
SS25	Assess potential impacts/exposure	0	to	0.2	No	☑	☑	No	NA	NA	No	No
SS26	Assess potential impacts/exposure	0	to	0.2	No	☑	☑	No	NA	NA	No	No

Notes:
NA = Not Analyzed

Summary of Laboratory and DUSR Data Qualifiers
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.

The following qualifiers have been used for the soil and groundwater data in the data tables.

Qualifiers

U - The compound was not detected at the indicated concentration.

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. The concetration given is an approximate value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

D - The compound was found at a dilution factor.

P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.

* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

NR - Not analyzed

Summary of Volatile Organic Compounds in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-1

Sample ID		SS01	SS02	SS03	SS04	SS05	SS06	SS07
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Volatile Organic Compounds	TAGM RSCO							
Dichlorodifluoromethane	NC	1.50 UJ	1.50 UJ	1.40 U	1.40 UJ	1.40 U	1.40 U	1.30 U
Chloromethane	NC	0.40 UJ	0.39 UJ	0.38 U	0.38 UJ	0.37 U	0.38 U	0.36 U
Vinyl Chloride	200	0.28 UJ	0.28 UJ	0.27 U	0.27 UJ	0.26 U	0.27 U	0.25 U
Bromomethane	NC	0.85 UJ	0.83 UJ	0.80 U	0.80 UJ	0.79 U	0.81 U	0.76 U
Chloroethane	1,900	0.63 UJ	0.62 UJ	0.60 U	0.60 UJ	0.58 U	0.60 U	0.56 U
Trichlorofluoromethane	NC	3.00 UJ	2.90 UJ	2.80 U	2.80 UJ	2.70 U	2.80 U	2.60 U
1,1,2-Trichlorotrifluoroethane	6,000	0.55 UJ	0.54 UJ	0.52 U	0.52 UJ	0.51 U	0.53 U	0.49 U
1,1-Dichloroethene	400	0.26 UJ	0.25 UJ	0.24 U	0.24 UJ	0.24 U	0.25 U	0.23 U
Acetone	200	9.00 UJ	8.80 UJ	8.50 U	8.50 UJ	8.30 U	8.60 U	8.00 U
Carbon Disulfide	2,700	0.12 UJ	0.12 UJ	0.11 U	0.11 UJ	0.11 U	0.12 U	0.11 U
Methyl tert-butyl Ether	120	0.28 UJ	0.27 UJ	0.26 U	0.26 UJ	0.25 U	0.26 U	0.25 U
Methyl Acetate	NC	1.50 UJ	1.50 UJ	1.40 U	1.40 UJ	1.40 U	1.50 U	1.40 U
Methylene Chloride	100	0.82 UJ	0.80 UJ	0.77 U	0.77 UJ	0.76 U	0.78 U	0.73 U
trans-1,2-Dichloroethene	300	0.45 UJ	0.44 UJ	0.42 U	0.42 UJ	0.41 U	0.43 U	0.40 U
1,1-Dichloroethane	200	0.43 UJ	0.42 UJ	0.40 U	0.40 UJ	0.39 U	0.41 U	0.38 U
Cyclohexane	NC	0.37 UJ	0.36 UJ	0.35 U	0.35 UJ	0.34 U	0.35 U	0.33 U
2-Butanone	300	2.70 UJ	2.70 UJ	2.60 U	2.60 UJ	2.50 U	2.60 U	2.40 U
Carbon Tetrachloride	600	0.36 UJ	0.35 UJ	0.34 U	0.34 UJ	0.33 U	0.34 U	0.32 U
cis-1,2-Dichloroethene	NC	0.42 UJ	0.41 UJ	0.40 U	0.40 UJ	0.39 U	0.40 U	0.38 U
Chloroform	300	0.29 UJ	0.28 UJ	0.27 U	0.27 UJ	0.26 U	0.27 U	0.25 U
1,1,1-Trichloroethane	800	0.33 UJ	0.32 UJ	0.31 U	0.31 UJ	0.30 U	0.31 U	0.29 U
Methylcyclohexane	NC	0.43 UJ	0.42 UJ	0.40 U	0.40 UJ	0.39 U	0.41 U	0.38 U
Benzene	60	0.24 UJ	0.24 UJ	0.23 U	0.23 UJ	0.22 U	0.23 U	0.22 U
1,2-Dichloroethane	200	3.70 UJ	3.60 UJ	3.50 U	3.50 UJ	3.40 U	3.50 U	3.30 U
Trichloroethene	700	0.39 UJ	0.38 UJ	0.36 U	0.36 UJ	0.36 U	0.37 U	0.34 U
1,2-Dichloropropane	NC	0.40 UJ	0.39 UJ	0.38 U	0.38 UJ	0.37 U	0.39 U	0.36 U
Bromodichloromethane	NC	0.40 UJ	0.39 UJ	0.38 U	0.38 UJ	0.37 U	0.38 U	0.36 U
4-Methyl-2-Pentanone	1,000	2.90 UJ	2.80 UJ	2.70 U	2.70 UJ	2.70 U	2.80 U	2.60 U
Toluene	1,500	0.31 UJ	2.40 J	0.29 U	0.29 UJ	0.29 U	0.30 U	0.28 U

Summary of Volatile Organic Compounds in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-1

Sample ID		SS01	SS02	SS03	SS04	SS05	SS06	SS07
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Volatile Organic Compounds	TAGM RSCO							
t-1,3-Dichloropropene	NC	0.31 UJ	0.30 UJ	0.29 U	0.29 UJ	0.28 U	0.29 U	0.28 U
cis-1,3-Dichloropropene	NC	0.23 UJ	0.23 UJ	0.22 U	0.22 UJ	0.22 U	0.22 U	0.21 U
1,1,2-Trichloroethane	NC	0.61 UJ	0.60 UJ	0.57 U	0.57 UJ	0.56 U	0.58 U	0.54 U
2-Hexanone	NC	3.90 UJ	3.80 UJ	3.60 U	3.60 UJ	3.60 U	3.70 U	3.40 U
Dibromochloromethane	NA	0.35 UJ	0.34 UJ	0.33 U	0.33 UJ	0.32 U	0.33 U	0.31 U
1,2-Dibromoethane	NC	0.50 UJ	0.49 UJ	0.47 U	0.47 UJ	0.46 U	0.48 U	0.45 U
Tetrachloroethene	1,400	0.77 UJ	0.75 UJ	0.72 U	0.72 UJ	0.71 U	0.73 U	0.68 U
Chlorobenzene	1,700	0.42 UJ	0.41 UJ	0.40 U	0.40 UJ	0.39 U	0.40 U	0.38 U
Ethyl Benzene	5,500	0.30 UJ	0.29 UJ	0.28 U	0.28 UJ	0.28 U	0.29 U	0.27 U
m/p-Xylenes	1,200	0.62 UJ	0.60 UJ	0.58 U	0.58 UJ	0.57 U	0.59 U	0.55 U
o-Xylene	600	0.52 UJ	0.51 UJ	0.49 U	0.49 UJ	0.48 U	0.50 U	0.46 U
Styrene	NC	0.38 UJ	0.37 UJ	0.36 U	0.36 UJ	0.35 U	0.36 U	0.34 U
Bromoform	NC	0.36 UJ	0.35 UJ	0.34 U	0.34 UJ	0.33 U	0.34 U	0.32 U
Isopropylbenzene	2,300	0.45 UJ	0.44 UJ	0.42 U	0.42 UJ	0.41 U	0.43 U	0.40 U
1,1,2,2-Tetrachloroethane	600	0.64 UJ	0.62 UJ	0.60 U	0.60 UJ	0.59 U	0.61 U	0.57 U
1,3-Dichlorobenzene	1,600	0.25 UJ	0.25 UJ	0.24 U	0.24 UJ	0.23 U	0.24 U	0.23 U
1,4-Dichlorobenzene	8,500	0.42 UJ	0.41 UJ	0.40 U	0.40 UJ	0.39 U	0.40 U	0.38 U
1,2-Dichlorobenzene	7,900	0.49 UJ	0.48 UJ	0.46 U	0.46 UJ	0.45 U	0.47 U	0.44 U
1,2-Dibromo-3-Chloropropane	NC	0.82 UJ	0.80 UJ	0.77 U	0.77 UJ	0.75 U	0.78 U	0.73 U
1,2,4-Trichlorobenzene	3,400	0.30 UJ	0.29 UJ	0.28 U	0.28 UJ	0.28 U	0.29 U	0.27 U
Total Confident Conc. VOC	10,000	-	2.40	-	-	-	-	-

Summary of Volatile Organic Compounds in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-1

Sample ID		SS08	SS09	SS10	SS21 SS-10 Duplicate	SS11	SS12	SS13
Units Volatile Organic Compounds	TAGM RSCO	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dichlorodifluoromethane	NC	1.40 U	1.50 U	1.40 U	1.40 U	1.40 U	1.40 UJ	1.40 U
Chloromethane	NC	0.36 U	0.39 U	0.38 U	0.37 U	0.37 U	0.38 UJ	0.38 U
Vinyl Chloride	200	0.26 U	0.28 U	0.27 U	0.26 U	0.26 U	0.27 UJ	0.27 U
Bromomethane	NC	0.78 U	0.84 U	0.82 U	0.80 U	0.80 U	0.81 UJ	0.80 U
Chloroethane	1,900	0.58 U	0.62 U	0.61 U	0.59 U	0.59 U	0.60 UJ	0.60 U
Trichlorofluoromethane	NC	2.70 U	2.90 U	2.90 U	2.80 U	2.80 U	2.80 UJ	2.80 U
1,1,2-Trichlorotrifluoroethane	6,000	0.50 U	0.55 U	0.53 U	0.52 U	0.52 U	0.53 UJ	0.52 U
1,1-Dichloroethene	400	0.24 U	0.26 U	0.25 U	0.24 U	0.24 U	0.25 UJ	0.24 U
Acetone	200	8.20 U	8.90 U	8.70 U	8.40 U	8.40 U	8.60 UJ	8.50 U
Carbon Disulfide	2,700	0.11 U	0.12 U	0.12 U	0.11 U	0.11 U	0.12 UJ	0.11 U
Methyl tert-butyl Ether	120	0.25 U	0.27 U	0.27 U	0.26 U	0.26 U	0.26 UJ	0.26 U
Methyl Acetate	NC	1.40 U	1.50 U	1.50 U	1.40 U	1.40 U	1.50 UJ	1.40 U
Methylene Chloride	100	0.75 U	0.81 U	0.79 U	0.76 U	0.76 U	0.78 UJ	0.77 U
trans-1,2-Dichloroethene	300	0.41 U	0.44 U	0.43 U	0.42 U	0.42 U	0.43 UJ	0.42 U
1,1-Dichloroethane	200	0.39 U	0.42 U	0.41 U	0.40 U	0.40 U	0.41 UJ	0.40 U
Cyclohexane	NC	0.34 U	0.36 U	0.35 U	0.34 U	0.34 U	0.35 UJ	0.35 U
2-Butanone	300	2.50 U	2.70 U	2.60 U	2.60 U	2.60 U	2.60 UJ	2.60 U
Carbon Tetrachloride	600	0.33 U	0.35 U	0.35 U	0.33 U	0.33 U	0.34 UJ	0.34 U
cis-1,2-Dichloroethene	NC	0.39 U	0.42 U	0.41 U	0.40 U	0.40 U	0.40 UJ	0.40 U
Chloroform	300	0.26 U	0.28 U	0.28 U	0.27 U	0.27 U	0.27 UJ	0.27 U
1,1,1-Trichloroethane	800	0.30 U	0.32 U	0.32 U	0.30 U	0.30 U	0.31 UJ	0.31 U
Methylcyclohexane	NC	0.39 U	0.42 U	0.41 U	0.40 U	0.40 U	0.41 UJ	0.40 U
Benzene	60	0.22 U	0.24 U	0.23 U	0.23 U	0.23 U	0.23 UJ	0.23 U
1,2-Dichloroethane	200	3.40 U	3.70 U	3.60 U	3.50 U	3.50 U	3.50 UJ	3.50 U
Trichloroethene	700	0.35 U	0.38 U	0.37 U	0.36 U	0.36 U	0.37 UJ	0.36 U
1,2-Dichloropropane	NC	0.37 U	0.40 U	0.39 U	0.38 U	0.38 U	0.39 UJ	0.38 U
Bromodichloromethane	NC	0.37 U	0.40 U	0.39 U	0.37 U	0.37 U	0.38 UJ	0.38 U
4-Methyl-2-Pentanone	1,000	2.60 U	2.90 U	2.80 U	2.70 U	2.70 U	2.80 UJ	2.70 U
Toluene	1,500	0.28 U	0.31 U	0.30 U	0.29 U	0.29 U	0.30 UJ	0.29 U

Summary of Volatile Organic Compounds in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-1

Sample ID		SS08	SS09	SS10	SS21 SS-10 Duplicate	SS11	SS12	SS13
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Volatile Organic Compounds	TAGM RSCO							
t-1,3-Dichloropropene	NC	0.28 U	0.30 U	0.30 U	0.29 U	0.29 U	0.29 UJ	0.29 U
cis-1,3-Dichloropropene	NC	0.21 U	0.23 U	0.23 U	0.22 U	0.22 U	0.22 UJ	0.22 U
1,1,2-Trichloroethane	NC	0.56 U	0.60 U	0.59 U	0.57 U	0.57 U	0.58 UJ	0.57 U
2-Hexanone	NC	3.50 U	3.80 U	3.70 U	3.60 U	3.60 U	3.70 UJ	3.60 U
Dibromochloromethane	NA	0.32 U	0.35 U	0.34 U	0.33 U	0.33 U	0.33 UJ	0.33 U
1,2-Dibromoethane	NC	0.46 U	0.50 U	0.48 U	0.47 U	0.47 U	0.48 UJ	0.47 U
Tetrachloroethene	1,400	0.70 U	0.76 U	0.74 U	0.71 U	0.71 U	0.73 UJ	0.72 U
Chlorobenzene	1,700	0.39 U	0.42 U	0.41 U	0.40 U	0.40 U	0.40 UJ	0.40 U
Ethyl Benzene	5,500	0.27 U	0.30 U	0.29 U	0.28 U	0.28 U	0.29 UJ	0.28 U
m/p-Xylenes	1,200	0.56 U	0.61 U	0.60 U	0.58 U	0.58 U	0.59 UJ	0.58 U
o-Xylene	600	0.47 U	0.51 U	0.50 U	0.49 U	0.49 U	0.50 UJ	0.49 U
Styrene	NC	0.34 U	0.37 U	0.36 U	0.35 U	0.35 U	0.36 UJ	0.36 U
Bromoform	NC	0.33 U	0.36 U	0.35 U	0.34 U	0.34 U	0.34 UJ	0.34 U
Isopropylbenzene	2,300	0.41 U	0.44 U	0.43 U	0.42 U	0.42 U	0.43 UJ	0.42 U
1,1,2,2-Tetrachloroethane	600	0.58 U	0.63 U	0.62 U	0.59 U	0.59 U	0.61 UJ	0.60 U
1,3-Dichlorobenzene	1,600	0.23 U	0.25 U	0.25 U	0.24 U	0.24 U	0.24 UJ	0.24 U
1,4-Dichlorobenzene	8,500	0.39 U	0.42 U	0.41 U	0.39 U	0.39 U	0.40 UJ	0.40 U
1,2-Dichlorobenzene	7,900	0.45 U	0.49 U	0.48 U	0.46 U	0.46 U	0.47 UJ	0.46 U
1,2-Dibromo-3-Chloropropane	NC	0.74 U	0.81 U	0.79 U	0.76 U	0.76 U	0.78 UJ	0.77 U
1,2,4-Trichlorobenzene	3,400	0.27 U	0.30 U	0.29 U	0.28 U	0.28 U	0.29 UJ	0.28 U
Total Confident Conc. VOC	10,000	-	-	-	-	-	-	-

Summary of Volatile Organic Compounds in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-1

Sample ID		SS14	SS15	SS16	SS17	SS18	SS19	SS20
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Volatile Organic Compounds	TAGM RSCO							
Dichlorodifluoromethane	NC	1.50 U	1.40 U	1.40 U	1.40 U	1.40 U	1.30 U	1.40 U
Chloromethane	NC	0.39 U	0.38 U	0.37 U	0.37 U	0.36 U	0.35 U	0.37 U
Vinyl Chloride	200	0.28 U	0.27 U	0.26 U	0.26 U	0.26 U	0.25 U	0.26 U
Bromomethane	NC	0.84 U	0.81 U	0.79 U	0.79 U	0.78 U	0.75 U	0.80 U
Chloroethane	1,900	0.62 U	0.60 U	0.58 U	0.58 U	0.58 U	0.56 U	0.59 U
Trichlorofluoromethane	NC	2.90 U	2.80 U	2.70 U	2.70 U	2.70 U	2.60 U	2.80 U
1,1,2-Trichlorotrifluoroethane	6,000	0.55 U	0.53 U	0.51 U	0.51 U	0.50 U	0.49 U	0.52 U
1,1-Dichloroethene	400	0.26 U	0.25 U	0.24 U	0.24 U	0.24 U	0.23 U	0.24 U
Acetone	200	8.90 U	8.60 U	8.30 U	8.30 U	8.20 U	7.90 U	8.40 U
Carbon Disulfide	2,700	0.12 U	0.12 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Methyl tert-butyl Ether	120	0.27 U	0.26 U	0.25 U	0.25 U	0.25 U	0.24 U	0.26 U
Methyl Acetate	NC	1.50 U	1.50 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U
Methylene Chloride	100	0.81 U	0.78 U	0.76 U	0.76 U	0.75 U	0.72 U	0.76 U
trans-1,2-Dichloroethene	300	0.44 U	0.43 U	0.41 U	0.41 U	0.41 U	0.39 U	0.42 U
1,1-Dichloroethane	200	0.42 U	0.41 U	0.39 U	0.39 U	0.39 U	0.38 U	0.40 U
Cyclohexane	NC	2.20 J	0.35 U	0.34 U	0.34 U	0.34 U	0.32 U	0.34 U
2-Butanone	300	2.70 U	2.60 U	2.50 U	2.50 U	2.50 U	2.40 U	2.60 U
Carbon Tetrachloride	600	0.35 U	0.34 U	0.33 U	0.33 U	0.33 U	0.32 U	0.33 U
cis-1,2-Dichloroethene	NC	0.42 U	0.40 U	0.39 U	0.39 U	0.39 U	0.37 U	0.40 U
Chloroform	300	0.28 U	0.27 U	0.26 U	0.26 U	0.26 U	0.25 U	0.27 U
1,1,1-Trichloroethane	800	0.32 U	0.31 U	0.30 U	0.30 U	0.30 U	0.29 U	0.30 U
Methylcyclohexane	NC	0.42 U	0.41 U	0.39 U	0.39 U	0.39 U	0.38 U	0.40 U
Benzene	60	0.24 U	0.23 U	0.22 U	0.22 U	0.22 U	0.21 U	0.23 U
1,2-Dichloroethane	200	3.70 U	3.50 U	3.40 U	3.40 U	3.40 U	3.30 U	3.50 U
Trichloroethene	700	0.38 U	0.37 U	0.36 U	0.36 U	0.35 U	0.34 U	0.36 U
1,2-Dichloropropane	NC	0.40 U	0.39 U	0.37 U	0.37 U	0.37 U	0.36 U	0.38 U
Bromodichloromethane	NC	0.40 U	0.38 U	0.37 U	0.37 U	0.37 U	0.35 U	0.37 U
4-Methyl-2-Pentanone	1,000	2.90 U	2.80 U	2.70 U	2.70 U	2.60 U	2.60 U	2.70 U
Toluene	1,500	0.31 U	0.30 U	0.29 U	0.29 U	0.28 U	0.28 U	0.29 U

Summary of Volatile Organic Compounds in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-1

Sample ID		SS14	SS15	SS16	SS17	SS18	SS19	SS20
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Volatile Organic Compounds	TAGM RSCO							
t-1,3-Dichloropropene	NC	0.30 U	0.29 U	0.28 U	0.28 U	0.28 U	0.27 U	0.29 U
cis-1,3-Dichloropropene	NC	0.23 U	0.22 U	0.22 U	0.22 U	0.21 U	0.21 U	0.22 U
1,1,2-Trichloroethane	NC	0.60 U	0.58 U	0.56 U	0.56 U	0.56 U	0.54 U	0.57 U
2-Hexanone	NC	3.80 U	3.70 U	3.60 U	3.60 U	3.50 U	3.40 U	3.60 U
Dibromochloromethane	NA	0.35 U	0.33 U	0.32 U	0.32 U	0.32 U	0.31 U	0.33 U
1,2-Dibromoethane	NC	0.50 U	0.48 U	0.46 U	0.46 U	0.46 U	0.44 U	0.47 U
Tetrachloroethene	1,400	0.76 U	0.73 U	0.71 U	0.71 U	0.70 U	0.68 U	0.71 U
Chlorobenzene	1,700	0.42 U	0.40 U	0.39 U	0.39 U	0.39 U	0.37 U	0.40 U
Ethyl Benzene	5,500	0.30 U	0.29 U	0.28 U	0.28 U	0.27 U	0.26 U	0.28 U
m/p-Xylenes	1,200	0.61 U	0.59 U	0.57 U	0.57 U	0.56 U	0.55 U	0.58 U
o-Xylene	600	0.51 U	0.50 U	0.48 U	0.48 U	0.47 U	0.46 U	0.49 U
Styrene	NC	0.37 U	0.36 U	0.35 U	0.35 U	0.34 U	0.33 U	0.35 U
Bromoform	NC	0.36 U	0.34 U	0.33 U	0.33 U	0.33 U	0.32 U	0.34 U
Isopropylbenzene	2,300	0.44 U	0.43 U	0.41 U	0.41 U	0.41 U	0.39 U	0.42 U
1,1,2,2-Tetrachloroethane	600	0.63 U	0.61 U	0.59 U	0.59 U	0.58 U	0.56 U	0.59 U
1,3-Dichlorobenzene	1,600	0.25 U	0.24 U	0.23 U	0.23 U	0.23 U	0.22 U	0.24 U
1,4-Dichlorobenzene	8,500	0.42 U	0.40 U	0.39 U	0.39 U	0.39 U	0.37 U	0.39 U
1,2-Dichlorobenzene	7,900	0.49 U	0.47 U	0.45 U	0.45 U	0.45 U	0.44 U	0.46 U
1,2-Dibromo-3-Chloropropane	NC	0.81 U	0.78 U	0.75 U	0.75 U	0.74 U	0.72 U	0.76 U
1,2,4-Trichlorobenzene	3,400	0.30 U	0.29 U	0.28 U	0.28 U	0.27 U	0.27 U	0.28 U
Total Confident Conc. VOC	10,000	2.20	-	-	-	-	-	-

Summary of Volatile Organic Compounds in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-1

Sample ID Units Volatile Organic Compounds	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detection	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
Dichlorodifluoromethane	NC	21	0	0.0%	0	0.0%	<1.30	<1.50
Chloromethane	NC	21	0	0.0%	0	0.0%	<0.35	<0.40
Vinyl Chloride	200	21	0	0.0%	0	0.0%	<0.25	<0.28
Bromomethane	NC	21	0	0.0%	0	0.0%	<0.75	<0.85
Chloroethane	1,900	21	0	0.0%	0	0.0%	<0.56	<0.63
Trichlorofluoromethane	NC	21	0	0.0%	0	0.0%	<2.6	<3.00
1,1,2-Trichlorotrifluoroethane	6,000	21	0	0.0%	0	0.0%	<0.49	<0.55
1,1-Dichloroethene	400	21	0	0.0%	0	0.0%	<0.23	<0.26
Acetone	200	21	0	0.0%	0	0.0%	<7.90	<9.00
Carbon Disulfide	2,700	21	0	0.0%	0	0.0%	<0.11	<0.12
Methyl tert-butyl Ether	120	21	0	0.0%	0	0.0%	<0.24	<0.28
Methyl Acetate	NC	21	0	0.0%	0	0.0%	<1.40	<1.50
Methylene Chloride	100	21	0	0.0%	0	0.0%	<0.72	<0.82
trans-1,2-Dichloroethene	300	21	0	0.0%	0	0.0%	<0.39	<0.45
1,1-Dichloroethane	200	21	0	0.0%	0	0.0%	<0.38	<0.43
Cyclohexane	NC	21	1	4.8%	0	0.0%	<0.32	2.20
2-Butanone	300	21	0	0.0%	0	0.0%	<2.40	<2.70
Carbon Tetrachloride	600	21	0	0.0%	0	0.0%	<0.32	<0.36
cis-1,2-Dichloroethene	NC	21	0	0.0%	0	0.0%	<0.37	<0.42
Chloroform	300	21	0	0.0%	0	0.0%	<0.25	<0.29
1,1,1-Trichloroethane	800	21	0	0.0%	0	0.0%	<0.29	<0.33
Methylcyclohexane	NC	21	0	0.0%	0	0.0%	<0.38	<0.43
Benzene	60	21	0	0.0%	0	0.0%	<0.21	<0.24
1,2-Dichloroethane	200	21	0	0.0%	0	0.0%	<3.30	<3.70
Trichloroethene	700	21	0	0.0%	0	0.0%	<0.34	<0.39
1,2-Dichloropropane	NC	21	0	0.0%	0	0.0%	<0.36	<0.40
Bromodichloromethane	NC	21	0	0.0%	0	0.0%	<0.35	<0.40
4-Methyl-2-Pentanone	1,000	21	0	0.0%	0	0.0%	<2.60	<2.90
Toluene	1,500	21	1	4.8%	0	0.0%	<0.28	2.40

Summary of Volatile Organic Compounds in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-1

Sample ID Units Volatile Organic Compounds	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detection	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
t-1,3-Dichloropropene	NC	21	0	0.0%	0	0.0%	<0.27	<0.31
cis-1,3-Dichloropropene	NC	21	0	0.0%	0	0.0%	<0.21	<0.23
1,1,2-Trichloroethane	NC	21	0	0.0%	0	0.0%	<0.54	<0.61
2-Hexanone	NC	21	0	0.0%	0	0.0%	<3.40	<3.90
Dibromochloromethane	NA	21	0	0.0%	0	0.0%	<0.31	<0.35
1,2-Dibromoethane	NC	21	0	0.0%	0	0.0%	<0.44	<0.50
Tetrachloroethene	1,400	21	0	0.0%	0	0.0%	<0.68	<0.77
Chlorobenzene	1,700	21	0	0.0%	0	0.0%	<0.37	<0.42
Ethyl Benzene	5,500	21	0	0.0%	0	0.0%	<0.26	<0.30
m/p-Xylenes	1,200	21	0	0.0%	0	0.0%	<0.55	<0.62
o-Xylene	600	21	0	0.0%	0	0.0%	<0.46	<0.52
Styrene	NC	21	0	0.0%	0	0.0%	<0.33	<0.38
Bromoform	NC	21	0	0.0%	0	0.0%	<0.32	<0.36
Isopropylbenzene	2,300	21	0	0.0%	0	0.0%	<0.39	<0.45
1,1,2,2-Tetrachloroethane	600	21	0	0.0%	0	0.0%	<0.56	<0.64
1,3-Dichlorobenzene	1,600	21	0	0.0%	0	0.0%	<0.22	<0.25
1,4-Dichlorobenzene	8,500	21	0	0.0%	0	0.0%	<0.37	<0.42
1,2-Dichlorobenzene	7,900	21	0	0.0%	0	0.0%	<0.44	<0.49
1,2-Dibromo-3-Chloropropane	NC	21	0	0.0%	0	0.0%	<0.72	<0.82
1,2,4-Trichlorobenzene	3,400	21	0	0.0%	0	0.0%	<0.27	<0.30
Total Confident Conc. VOC	10,000							

Summary of Semi-Volatile Organic Compounds in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-2

Sample ID		SS01	SS02	SS03	SS04	SS05	SS06	SS07
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semi-Volatile Organic Compounds	TAGM RSCO							
Benzaldehyde	NC	77 U	150 U	730 U	730 U	36 U	150 U	35
Phenol	30 or MDL	33 U	64 U	310 U	310 U	15 U	63 U	15
bis(2-Chloroethyl)ether	NC	39 U	76 U	370 U	370 U	18 U	74 U	17
2-Chlorophenol	800	34 U	67 U	320 U	320 U	16 U	65 U	15
2-Methylphenol	100 or MDL	49 U	97 U	470 U	470 U	23 U	95 U	22
2,2-oxybis(1-Chloropropane)	NC	42 U	83 U	400 U	400 U	20 U	81 U	19
Acetophenone	NC	41 U	81 U	390 U	390 U	19 U	79 U	19
3+4-Methylphenols	900	36 U	71 U	340 U	340 U	17 U	69 U	16
N-Nitroso-di-n-propylamine	NC	35 U	68 U	330 U	330 U	16 U	66 U	16
Hexachloroethane	NC	37 U	74 U	350 U	350 U	17 U	72 U	17
Nitrobenzene	200 or MDL	40 U	78 U	380 U	380 U	18 U	76 U	18
Isophorone	4,400	29 U	57 U	280 U	280 U	13 U	56 U	13
2-Nitrophenol	330 or MDL	31 U	62 U	300 U	300 U	15 U	60 U	14
2,4-Dimethylphenol	NC	42 U	83 U	400 U	400 U	20 U	81 U	19
bis(2-Chloroethoxy)methane	NC	36 U	70 U	340 U	340 U	17 U	69 U	16
2,4-Dichlorophenol	400	27 U	54 U	260 U	260 U	13 U	53 U	12
Naphthalene	13,000	350 J	170 J	850 J	4400 J	470	530 J	110
4-Chloroaniline	220 or MDL	290 U	570 U	2700 U	2700 U	130 U	560 U	130
Hexachlorobutadiene	NC	27 U	54 U	260 U	260 U	13 U	53 U	12
Caprolatam	NC	29 U	57 U	270 U	270 U	13 U	55 U	13
4-Chloro-3-methylphenol	240 or MDL	23 U	46 U	220 U	220 U	11 U	45 U	11
2-Methylnaphthalene	36,400	140 J	170 J	900 J	2300 J	150 J	26 U	51
Hexachlorocyclopentadiene	NC	20 R	39 R	190 R	190 R	9.1 UJ	38 UJ	8.9
2,4,6-Trichlorophenol	NC	28 U	56 U	270 U	270 U	13 U	55 U	13
2,4,5-Trichlorophenol	100	52 U	100 U	490 U	490 U	24 U	100 U	23
1,1-Biphenyl	NC	23 U	46 U	220 U	220 U	11 U	45 U	11
2-Chloronaphthalene	NC	16 U	32 U	150 U	150 U	7.6 U	31 U	7.4

Summary of Semi-Volatile Organic Compounds in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-2

Sample ID		SS01	SS02	SS03	SS04	SS05	SS06	SS07
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semi-Volatile Organic Compounds	TAGM RSCO							
2-Nitroaniline	430 or MDL	28 U	56 U	270 U	270 U	13 U	55 U	13
Dimethylphthalate	2,000	19 U	37 U	180 U	180 U	8.7 U	36 U	8.5
Acenaphthylene	41,000	95 J	46 U	220 U	7600	93 J	45 UJ	11
2,6-Dinitrotoluene	1,000	33 U	66 U	320 U	320 U	15 U	64 U	15
3-Nitroaniline	500 or MDL	130 U	250 U	1200 U	1200 U	59 U	240 U	57
Acenaphthene	50,000	300 J	34 U	2000 J	160 U	150 J	170 J	250
2,4-Dinitrophenol	200 or MDL	35 R	68 R	330 R	330 R	16 U	66 U	16
4-Nitrophenol	100 or MDL	76 U	150 U	720 U	730 U	35 U	150 U	35
Dibenzofuran	6,200	140 J	51 U	900 J	240 U	120 J	50 U	97
2,4-Dinitrotoluene	1,000	16 U	31 U	150 U	150 U	7.2 U	30 U	7.1
Diethylphthalate	7,100	25 U	48 U	230 U	230 U	11 U	47 U	11
4-Chlorophenyl-phenylether	NC	19 U	38 U	180 U	180 U	9.0 U	37 U	8.8
Fluorene	50,000	330 J	44 U	2900 J	1000 J	170 J	180 J	210
4-Nitroaniline	NC	61 U	120 U	580 U	580 U	28 U	120 U	28
4,6-Dinitro-2-methylphenol	NC	45 R	89 R	430 R	430 R	21 UJ	87 UJ	21
N-Nitrosodiphenylamine	NC	20 U	39 U	190 U	190 U	9.2 U	38 U	9.0
4-Bromophenyl-phenylether	NC	21 U	41 U	200 U	200 U	9.5 U	40 U	9.3
Hexachlorobenzene	410	15 U	29 U	140 U	140 U	6.8 U	28 U	6.6
Atrazine	NC	24 U	47 U	230 U	230 U	11 U	46 U	11
Pentachlorophenol	1000 or MDL	24 U	48 U	230 U	230 U	11 U	47 U	11
Phenanthrene	50,000	4800	730 J	46000	9300	2700	3200	2200
Anthracene	50,000	880	220 J	19000	3300 J	520	630 J	530
Carbazole	NC	550 J	34 U	7300 J	1100 J	250 J	320 J	250
Di-n-butylphthalate	8,100	130 J	21 U	99 U	99 U	62 J	20 U	98
Fluoranthene	50,000	4900 D	1900 J	***110000*** D	23000 J	2900	5800	2700
Pyrene	50,000	4800	1600	***72000*** D	24000	3700 D	4300	2700
Butylbenzylphthalate	50,000	26 U	52 U	250 U	250 U	12 U	50 U	12

Summary of Semi-Volatile Organic Compounds in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-2

Sample ID		SS01	SS02	SS03	SS04	SS05	SS06	SS07
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semi-Volatile Organic Compounds	TAGM RSCO							
3,3-Dichlorobenzidine	NA	130 U	250 U	1200 U	1200 U	58 U	240 U	57
Benzo(a)anthracene	224 or MDL	***2800***	***1100*** J	***44000***	***13000***	***1800***	***2700***	***1500***
Chrysene	400	***2600***	***1100*** J	***42000***	***13000***	***1700***	***2300***	***1300***
bis(2-Ethylhexyl)phthalate	50,000	510 J	570 J	170 U	1200 J	250 J	680 J	820
Di-n-octyl phthalate	50,000	19 U	37 U	180 U	180 U	8.7 U	36 U	8.5
Benzo(b)fluoranthene	1,100	***2700***	***1300*** J	***48000***	***16000***	***2000***	***2100***	***1500***
Benzo(k)fluoranthene	1,100	***1200***	540 J	***22000***	***6700*** J	850	1100 J	780
Benzo(a)pyrene	61 or MDL	***2100***	***930*** J	***35000***	***14000***	***1400***	***1200*** J	***1200***
Indeno(1,2,3-cd)pyrene	3,200	550 J	190 J	***6400*** J	3000 J	260 J	970 J	210
Dibenz(a,h)anthracene	14 or MDL	23 U	45 U	***840*** J	220 U	***49*** J	44 UJ	***36***
Benzo(g,h,i)perylene	50,000	680 J	350 J	9000	5500 J	440 J	1000 J	320
Total Confident Conc. SVOC	500,000	30,555	10,870	469,090	148,400	20,034	27,180	16,862
Carcinogenic SVOCs in BaP Equivalents		2,743	1,205	46,320	17,397	1,881	1,811	1,542

Summary of Semi-Volatile Organic Compounds in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-2

Sample ID			SS08	SS09	SS10	SS21	SS11	SS12
Matrix			SOIL	SOIL	SOIL	SOIL SS-10 Duplicate	SOIL	SOIL
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semi-Volatile Organic Compounds	TAGM RSCO							
Benzaldehyde	NC	U	180 U	76 U	190 U	36 U	36 U	37 U
Phenol	30 or MDL	U	76 U	33 U	80 U	15 U	15 U	16 U
bis(2-Chloroethyl)ether	NC	U	89 U	38 U	95 U	18 U	18 U	18 U
2-Chlorophenol	800	U	78 U	34 U	83 U	16 U	16 U	16 U
2-Methylphenol	100 or MDL	U	110 U	49 U	120 U	23 U	23 U	24 U
2,2-oxybis(1-Chloropropane)	NC	U	98 U	42 U	100 U	20 U	20 U	20 U
Acetophenone	NC	U	95 U	41 U	100 U	19 U	19 U	20 U
3+4-Methylphenols	900	U	83 U	36 U	88 U	17 U	17 U	17 U
N-Nitroso-di-n-propylamine	NC	U	80 U	34 U	85 U	16 U	16 U	17 U
Hexachloroethane	NC	U	86 U	37 U	92 U	17 U	18 U	18 U
Nitrobenzene	200 or MDL	U	92 U	40 U	97 U	19 U	19 U	19 U
Isophorone	4,400	U	67 U	29 U	71 U	14 U	14 U	14 U
2-Nitrophenol	330 or MDL	U	73 U	31 U	77 U	15 U	15 U	15 U
2,4-Dimethylphenol	NC	U	98 U	42 U	100 U	20 U	20 U	20 U
bis(2-Chloroethoxy)methane	NC	U	83 U	36 U	88 U	17 U	17 U	17 U
2,4-Dichlorophenol	400	U	63 U	27 U	67 U	13 U	13 U	13 U
Naphthalene	13,000	J	430 J	610 J	250 J	130 J	140 J	260 J
4-Chloroaniline	220 or MDL	U	670 U	290 U	710 U	140 U	140 U	140 U
Hexachlorobutadiene	NC	U	63 U	27 U	67 U	13 U	13 U	13 U
Caprolatam	NC	U	67 U	29 U	71 U	14 U	14 U	14 U
4-Chloro-3-methylphenol	240 or MDL	U	54 U	23 U	57 U	11 U	11 U	11 U
2-Methylnaphthalene	36,400	J	31 U	340 J	33 U	80 J	88 J	120 J
Hexachlorocyclopentadiene	NC	UJ	45 UJ	20 UJ	48 UJ	9.2 UJ	9.2 UJ	9.4 UJ
2,4,6-Trichlorophenol	NC	U	66 U	28 U	70 U	13 U	13 U	14 U
2,4,5-Trichlorophenol	100	U	120 U	52 U	130 U	24 U	24 U	25 U
1,1-Biphenyl	NC	U	54 U	23 U	57 U	11 U	11 U	11 U
2-Chloronaphthalene	NC	U	38 U	16 U	40 U	7.6 U	7.7 U	7.8 U

Summary of Semi-Volatile Organic Compounds in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-2

Sample ID Matrix Units Semi-Volatile Organic Compounds	 TAGM RSCO		SS08 SOIL ug/Kg	SS09 SOIL ug/Kg	SS10 SOIL ug/Kg	SS21 SOIL SS-10 Duplicate ug/Kg	SS11 SOIL ug/Kg	SS12 SOIL ug/Kg
2-Nitroaniline	430 or MDL	U	66 U	28 U	70 U	13 U	13 U	14 U
Dimethylphthalate	2,000	U	43 U	19 U	46 U	8.7 U	8.8 U	8.9 U
Acenaphthylene	41,000	UJ	310 J	180 J	430 J	110 J	150 J	58 J
2,6-Dinitrotoluene	1,000	U	77 U	33 U	82 U	16 U	16 U	16 U
3-Nitroaniline	500 or MDL	U	290 U	130 U	310 U	59 U	59 U	60 U
Acenaphthene	50,000	J	40 U	650 J	42 U	8.1 U	37 J	40 J
2,4-Dinitrophenol	200 or MDL	U	80 U	34 U	85 U	16 U	16 U	17 U
4-Nitrophenol	100 or MDL	U	180 U	76 U	190 U	36 U	36 U	37 U
Dibenzofuran	6,200	J	60 U	370 J	63 U	12 U	12 U	12 U
2,4-Dinitrotoluene	1,000	U	36 U	16 U	38 U	7.3 U	7.3 U	7.5 U
Diethylphthalate	7,100	U	57 U	25 U	60 U	12 U	12 U	12 U
4-Chlorophenyl-phenylether	NC	U	45 U	19 U	48 U	9.1 U	9.1 U	9.3 U
Fluorene	50,000	J	51 U	780 J	55 U	10 U	57 J	40 J
4-Nitroaniline	NC	U	140 U	61 U	150 U	29 U	29 U	29 U
4,6-Dinitro-2-methylphenol	NC	UJ	110 UJ	45 UJ	110 UJ	21 UJ	21 UJ	22 UJ
N-Nitrosodiphenylamine	NC	U	46 U	20 U	49 U	9.3 U	9.3 U	9.5 U
4-Bromophenyl-phenylether	NC	U	48 U	21 U	50 U	9.6 U	9.7 U	9.8 U
Hexachlorobenzene	410	U	34 U	15 U	36 U	6.9 U	6.9 U	7.0 U
Atrazine	NC	U	55 U	24 U	59 U	11 U	11 U	11 U
Pentachlorophenol	1000 or MDL	U	56 U	24 U	60 U	11 U	11 U	12 U
Phenanthrene	50,000		1500 J	16000 D	1300 J	440	700	590
Anthracene	50,000		390 J	2500 D	350 J	81 J	130 J	96 J
Carbazole	NC	J	40 U	1400	42 U	8.1 U	63 J	50 J
Di-n-butylphthalate	8,100	J	24 U	10 U	26 U	4.9 U	38 J	53 J
Fluoranthene	50,000		2900	11000	3200	840	1200	920
Pyrene	50,000		2900	12000	3800	970	1300	870
Butylbenzylphthalate	50,000	U	61 U	26 U	64 U	12 U	12 U	13 U

Summary of Semi-Volatile Organic Compounds in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-2

Sample ID			SS08	SS09	SS10	SS21	SS11	SS12
Matrix			SOIL	SOIL	SOIL	SOIL SS-10 Duplicate	SOIL	SOIL
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semi-Volatile Organic Compounds	TAGM RSCO							
3,3-Dichlorobenzidine	NA	U	290 U	130 U	310 U	59 U	59 U	60 U
Benzo(a)anthracene	224 or MDL		***2100***	***6800*** D	***2100***	***560***	***750***	***500***
Chrysene	400		***1900***	***6300***	***2100***	***550***	***760***	***490***
bis(2-Ethylhexyl)phthalate	50,000	J	280 J	650 J	380 J	200 J	290 J	510 J
Di-n-octyl phthalate	50,000	U	43 U	19 U	46 U	8.7 U	8.8 U	8.9 U
Benzo(b)fluoranthene	1,100		***2400***	***6500*** D	***1400*** J	490	850	510
Benzo(k)fluoranthene	1,100		1100 J	***3200***	***1200*** J	240 J	350 J	230 J
Benzo(a)pyrene	61 or MDL		***2400***	***5700***	***1800*** J	***480***	***610***	***390***
Indeno(1,2,3-cd)pyrene	3,200	J	1500 J	1100 J	810 J	300 J	160 J	150 J
Dibenz(a,h)anthracene	14 or MDL	J	53 UJ	***170*** J	56 UJ	11 UJ	11 UJ	11 UJ
Benzo(g,h,i)perylene	50,000	J	1400 J	1600 J	890 J	330 J	230 J	170 J
Total Confident Conc. SVOC	500,000		21,510	77,850	20,010	5,801	7,903	6,047
Carcinogenic SVOCs in BaP Equivalents			3,030	7,405	2,264	623	797	513.2

Summary of Semi-Volatile Organic Compounds in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-2

Sample ID		SS13	SS14	SS15	SS16	SS17	SS18
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semi-Volatile Organic Compounds	TAGM RSCO						
Benzaldehyde	NC	36 U	38 U	37 U	72 U	360 U	71 U
Phenol	30 or MDL	15 U	16 U	16 U	31 U	150 U	30 U
bis(2-Chloroethyl)ether	NC	18 U	19 U	19 U	36 U	180 U	35 U
2-Chlorophenol	800	16 U	17 U	16 U	32 U	160 U	31 U
2-Methylphenol	100 or MDL	23 U	25 U	24 U	46 U	230 U	45 U
2,2-oxybis(1-Chloropropane)	NC	20 U	21 U	20 U	40 U	200 U	39 U
Acetophenone	NC	19 U	20 U	20 U	38 U	190 U	38 U
3+4-Methylphenols	900	17 U	18 U	17 U	34 U	170 U	33 U
N-Nitroso-di-n-propylamine	NC	16 U	17 U	17 U	32 U	160 U	32 U
Hexachloroethane	NC	18 U	19 U	18 U	35 U	170 U	34 U
Nitrobenzene	200 or MDL	19 U	20 U	19 U	37 U	190 U	37 U
Isophorone	4,400	14 U	14 U	14 U	27 U	140 U	27 U
2-Nitrophenol	330 or MDL	15 U	16 U	15 U	29 U	150 U	29 U
2,4-Dimethylphenol	NC	20 U	21 U	20 U	40 U	200 U	39 U
bis(2-Chloroethoxy)methane	NC	17 U	18 U	17 U	33 U	170 U	33 U
2,4-Dichlorophenol	400	13 U	14 U	13 U	26 U	130 U	25 U
Naphthalene	13,000	8.1 U	96 J	67 J	87 J	4500	220 J
4-Chloroaniline	220 or MDL	140 U	140 U	140 U	270 U	1300 U	270 U
Hexachlorobutadiene	NC	13 U	14 U	13 U	26 U	130 U	25 U
Caprolatam	NC	14 U	14 U	14 U	27 U	130 U	27 U
4-Chloro-3-methylphenol	240 or MDL	11 U	11 U	11 U	22 U	110 U	21 U
2-Methylnaphthalene	36,400	6.4 U	57 J	6.5 U	13 U	4600	280 J
Hexachlorocyclopentadiene	NC	9.3 UJ	9.7 UJ	9.5 UJ	18 UJ	91 UJ	18 UJ
2,4,6-Trichlorophenol	NC	13 U	14 U	14 U	27 U	130 U	26 U
2,4,5-Trichlorophenol	100	25 U	26 U	25 U	48 U	240 U	48 U
1,1-Biphenyl	NC	11 U	11 U	11 U	22 U	790 J	21 U
2-Chloronaphthalene	NC	7.7 U	8.1 U	7.9 U	15 U	76 U	15 U

Summary of Semi-Volatile Organic Compounds in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-2

Sample ID		SS13	SS14	SS15	SS16	SS17	SS18
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semi-Volatile Organic Compounds	TAGM RSCO						
2-Nitroaniline	430 or MDL	13 U	14 U	14 U	27 U	130 U	26 U
Dimethylphthalate	2,000	8.9 U	9.3 U	9.0 U	17 U	87 U	17 U
Acenaphthylene	41,000	46 J	12 UJ	11 UJ	1200 UJ	5900 J	130 J
2,6-Dinitrotoluene	1,000	16 U	17 U	16 U	31 U	160 U	31 U
3-Nitroaniline	500 or MDL	60 U	63 U	61 U	120 U	590 U	120 U
Acenaphthene	50,000	8.2 U	90 J	100 J	84 J	890 J	310 J
2,4-Dinitrophenol	200 or MDL	16 U	17 U	17 U	32 U	160 U	32 U
4-Nitrophenol	100 or MDL	36 U	38 U	37 U	71 U	360 U	70 U
Dibenzofuran	6,200	12 U	55 J	61 J	24 U	870 J	110 J
2,4-Dinitrotoluene	1,000	7.4 U	7.7 U	7.5 U	15 U	73 U	14 U
Diethylphthalate	7,100	12 U	12 U	12 U	23 U	110 U	23 U
4-Chlorophenyl-phenylether	NC	9.2 U	9.6 U	9.3 U	18 U	90 U	18 U
Fluorene	50,000	11 U	100 J	130 J	74 J	4600	240 J
4-Nitroaniline	NC	29 U	30 U	30 U	57 U	290 U	56 U
4,6-Dinitro-2-methylphenol	NC	22 UJ	23 UJ	22 UJ	42 UJ	210 UJ	42 UJ
N-Nitrosodiphenylamine	NC	9.4 U	9.9 U	9.6 U	19 U	93 U	18 U
4-Bromophenyl-phenylether	NC	9.8 U	10 U	9.9 U	19 U	96 U	19 U
Hexachlorobenzene	410	7.0 U	7.3 U	7.1 U	14 U	68 U	13 U
Atrazine	NC	11 U	12 U	12 U	22 U	110 U	22 U
Pentachlorophenol	1000 or MDL	12 U	12 U	12 U	23 U	110 U	22 U
Phenanthrene	50,000	380	1300	1600	1400	32000 D	8900 D
Anthracene	50,000	78 J	230 J	270 J	510 J	4500	2100
Carbazole	NC	8.2 U	180 J	190 J	140 J	970 J	1800
Di-n-butylphthalate	8,100	38 J	54 J	5.0 U	9.7 U	49 U	73 J
Fluoranthene	50,000	580	2100	2100	16000 D	29000	18000 D
Pyrene	50,000	570	1700	1800	11000 D	33000 D	13000 D
Butylbenzylphthalate	50,000	12 U	13 U	13 U	25 U	120 U	100 J

Summary of Semi-Volatile Organic Compounds in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-2

Sample ID		SS13	SS14	SS15	SS16	SS17	SS18
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semi-Volatile Organic Compounds	TAGM RSCO						
3,3-Dichlorobenzidine	NA	60 U	62 U	61 U	120 U	590 U	120 U
Benzo(a)anthracene	224 or MDL	***350*** J	***1100***	***1100***	***7600*** D	***20000***	***7900*** D
Chrysene	400	310 J	***1000***	***950***	***6200*** D	***19000***	***5700***
bis(2-Ethylhexyl)phthalate	50,000	350 J	340 J	400 J	190 J	950 J	770 J
Di-n-octyl phthalate	50,000	8.9 U	9.3 U	9.0 U	17 U	87 U	17 U
Benzo(b)fluoranthene	1,100	280 J	940	960	***11000*** J	***19000*** J	***5800*** D
Benzo(k)fluoranthene	1,100	160 J	420	430	***4400*** J	***6400*** J	***2700***
Benzo(a)pyrene	61 or MDL	***290*** J	***760***	***790***	***8000*** J	***9800*** J	***4800***
Indeno(1,2,3-cd)pyrene	3,200	170 J	360 J	340 J	1200 J	2000 J	1100 J
Dibenz(a,h)anthracene	14 or MDL	11 UJ	11 UJ	11 UJ	***190*** J	***430*** J	***140*** J
Benzo(g,h,i)perylene	50,000	170 J	350 J	350 J	2000 J	4000 J	1200 J
Total Confident Conc. SVOC	500,000	3,772	11,232	11,638	70,075	203,200	75,373
Carcinogenic SVOCs in BaP Equivalents		374.7	1014.2	1043.8	10,276	14,584	6,504

Summary of Semi-Volatile Organic Compounds in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-2

Sample ID		SS19	SS20	SS27	SS28	SS29	SS30	SS31
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semi-Volatile Organic Compounds	TAGM RSCO							
Benzaldehyde	NC	68 U	72 U	39 U	76 U	69 U	75 U	47 U
Phenol	30 or MDL	29 U	31 U	17 U	32 U	30 U	32 U	20 U
bis(2-Chloroethyl)ether	NC	34 U	36 U	20 U	38 U	35 U	38 U	24 U
2-Chlorophenol	800	30 U	32 U	17 U	33 U	31 U	33 U	21 U
2-Methylphenol	100 or MDL	44 U	46 U	25 U	49 U	45 U	49 U	31 U
2,2-oxybis(1-Chloropropane)	NC	37 U	40 U	22 U	42 U	38 U	42 U	26 U
Acetophenone	NC	36 U	38 U	21 U	40 U	37 U	40 U	25 U
3+4-Methylphenols	900	32 U	34 U	18 U	35 U	33 U	35 U	22 U
N-Nitroso-di-n-propylamine	NC	30 U	32 U	18 U	34 U	31 U	34 U	21 U
Hexachloroethane	NC	33 U	35 U	19 U	37 U	34 U	37 U	23 U
Nitrobenzene	200 or MDL	35 U	37 U	20 U	39 U	36 U	39 U	25 U
Isophorone	4,400	26 U	27 U	15 U	29 U	26 U	29 U	18 U
2-Nitrophenol	330 or MDL	28 U	29 U	16 U	31 U	28 U	31 U	19 U
2,4-Dimethylphenol	NC	37 U	40 U	22 U	42 U	38 U	42 U	26 U
bis(2-Chloroethoxy)methane	NC	32 U	33 U	18 U	35 U	32 U	35 U	22 U
2,4-Dichlorophenol	400	24 U	26 U	14 U	27 U	25 U	27 U	17 U
Naphthalene	13,000	75 J	210 J	8.7 U	150 J	210 J	670 J	11 U
4-Chloroaniline	220 or MDL	260 U	270 U	150 U	290 U	260 U	280 U	180 U
Hexachlorobutadiene	NC	24 U	26 U	14 U	27 U	25 U	27 U	17 U
Caprolatam	NC	25 U	27 U	15 U	28 U	26 U	28 U	18 U
4-Chloro-3-methylphenol	240 or MDL	20 U	22 U	12 U	23 U	21 U	23 U	14 U
2-Methylnaphthalene	36,400	12 U	100 J	6.9 U	180 J	120 J	320 J	8.4 U
Hexachlorocyclopentadiene	NC	17 UJ	18 UJ	10 U	19 U	18 U	19 U	12 U
2,4,6-Trichlorophenol	NC	25 U	27 U	15 U	28 U	26 U	28 U	18 U
2,4,5-Trichlorophenol	100	46 U	48 U	27 U	51 U	47 U	51 U	32 U
1,1-Biphenyl	NC	20 U	22 U	12 U	23 U	21 U	23 U	14 U
2-Chloronaphthalene	NC	14 U	15 U	8.4 U	16 U	15 U	16 U	10 U

Summary of Semi-Volatile Organic Compounds in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-2

Sample ID		SS19	SS20	SS27	SS28	SS29	SS30	SS31
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semi-Volatile Organic Compounds	TAGM RSCO							
2-Nitroaniline	430 or MDL	25 U	27 U	15 U	28 U	26 U	28 U	18 U
Dimethylphthalate	2,000	16 U	17 U	9.6 U	18 U	17 U	18 U	12 U
Acenaphthylene	41,000	84 J	380 J	12 U	110 J	290 J	1400	15 U
2,6-Dinitrotoluene	1,000	29 U	31 U	17 U	33 U	30 U	33 U	21 U
3-Nitroaniline	500 or MDL	110 U	120 U	65 U	120 U	110 U	120 U	78 U
Acenaphthene	50,000	88 J	80 J	8.9 U	610 J	310 J	250 J	11 U
2,4-Dinitrophenol	200 or MDL	30 U	32 U	18 U	34 U	31 U	34 U	21 U
4-Nitrophenol	100 or MDL	67 U	***200*** J	39 U	75 U	69 U	75 U	47 U
Dibenzofuran	6,200	23 U	24 U	13 U	370 J	220 J	25 U	16 U
2,4-Dinitrotoluene	1,000	14 U	15 U	8.0 U	15 U	14 U	15 U	9.7 U
Diethylphthalate	7,100	22 U	23 U	13 U	24 U	22 U	24 U	15 U
4-Chlorophenyl-phenylether	NC	17 U	18 U	9.9 U	19 U	18 U	19 U	12 U
Fluorene	50,000	81 J	130 J	11 U	920	330 J	400 J	14 U
4-Nitroaniline	NC	54 U	57 U	31 U	60 U	55 U	60 U	38 U
4,6-Dinitro-2-methylphenol	NC	40 UJ	42 UJ	23 U	45 U	41 U	45 U	28 U
N-Nitrosodiphenylamine	NC	18 U	19 U	10 U	20 U	18 U	20 U	12 U
4-Bromophenyl-phenylether	NC	18 U	19 U	11 U	20 U	19 U	20 U	13 U
Hexachlorobenzene	410	13 U	14 U	7.5 U	14 U	13 U	14 U	9.1 U
Atrazine	NC	21 U	22 U	12 U	24 U	22 U	23 U	15 U
Pentachlorophenol	1000 or MDL	21 U	23 U	12 U	24 U	22 U	24 U	15 U
Phenanthrene	50,000	2400	2400	190 J	4900	2500	1600	190 J
Anthracene	50,000	540 J	440 J	59 J	1800	980	700 J	54 J
Carbazole	NC	80 J	150 J	8.9 U	580 J	360 J	220 J	11 U
Di-n-butylphthalate	8,100	9.2 U	9.7 U	5.3 U	10 U	9.4 U	10 U	6.4 U
Fluoranthene	50,000	5100	4100	490	5900	4000	3100	440 J
Pyrene	50,000	5400	3500	510	5500	4100	4600	450 J
Butylbenzylphthalate	50,000	23 U	25 U	13 U	26 U	24 U	26 U	16 U

Summary of Semi-Volatile Organic Compounds in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-2

Sample ID		SS19	SS20	SS27	SS28	SS29	SS30	SS31
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semi-Volatile Organic Compounds	TAGM RSCO							
3,3-Dichlorobenzidine	NA	110 U	120 U	64 U	120 U	110 U	120 U	78 U
Benzo(a)anthracene	224 or MDL	***3900***	***2400***	***260*** J	***3400***	***2400***	***2300***	***300*** J
Chrysene	400	***3600***	***2300***	270 J	***3100***	***2300***	***2400***	280 J
bis(2-Ethylhexyl)phthalate	50,000	200 J	17 U	150 J	330 J	260 J	150 J	11 U
Di-n-octyl phthalate	50,000	16 U	17 U	9.6 U	18 U	17 U	18 U	12 U
Benzo(b)fluoranthene	1,100	***4100***	***2900***	340 J	***2400***	***2200***	***2000***	380 J
Benzo(k)fluoranthene	1,100	***1900***	***1200***	120 J	***2100***	***1900***	***1900***	160 J
Benzo(a)pyrene	61 or MDL	***3400***	***2000***	***250*** J	***2500***	***2400***	***2800***	***280*** J
Indeno(1,2,3-cd)pyrene	3,200	770 J	500 J	130 J	1400	1300	1100	130 J
Dibenz(a,h)anthracene	14 or MDL	***110*** J	***83*** J	12 U	***190*** J	***140*** J	***180*** J	14 U
Benzo(g,h,i)perylene	50,000	990 J	690 J	160 J	1400	1500	1400	140 J
Total Confident Conc. SVOC	500,000	32,818	23,763	2,929	37,840	27,820	27,490	2,804
Carcinogenic SVOCs in BaP Equivalents		4,442	2,698	326.9	3,462	3,172	3,563	365.4

Summary of Semi-Volatile Organic Compounds in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-2

Sample ID		SS32	SS33	SS34	SS35	SS36	SS37	SS38
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semi-Volatile Organic Compounds	TAGM RSCO							
Benzaldehyde	NC	38 U	39 U	38 U	77 U	39 U	75 U	88 U
Phenol	30 or MDL	16 U	17 U	16 U	33 U	17 U	32 U	37 U
bis(2-Chloroethyl)ether	NC	19 U	20 U	19 U	39 U	20 U	38 U	44 U
2-Chlorophenol	800	17 U	17 U	17 U	34 U	17 U	33 U	39 U
2-Methylphenol	100 or MDL	24 U	25 U	25 U	49 U	25 U	48 U	57 U
2,2-oxybis(1-Chloropropane)	NC	21 U	22 U	21 U	42 U	22 U	42 U	48 U
Acetophenone	NC	20 U	21 U	21 U	41 U	21 U	40 U	47 U
3+4-Methylphenols	900	18 U	18 U	18 U	36 U	18 U	35 U	41 U
N-Nitroso-di-n-propylamine	NC	17 U	18 U	17 U	35 U	18 U	34 U	40 U
Hexachloroethane	NC	18 U	19 U	19 U	37 U	19 U	37 U	43 U
Nitrobenzene	200 or MDL	20 U	20 U	20 U	40 U	20 U	39 U	46 U
Isophorone	4,400	14 U	15 U	15 U	29 U	15 U	29 U	33 U
2-Nitrophenol	330 or MDL	16 U	16 U	16 U	31 U	16 U	31 U	36 U
2,4-Dimethylphenol	NC	21 U	22 U	21 U	42 U	22 U	42 U	48 U
bis(2-Chloroethoxy)methane	NC	18 U	18 U	18 U	36 U	18 U	35 U	41 U
2,4-Dichlorophenol	400	14 U	14 U	14 U	27 U	14 U	27 U	31 U
Naphthalene	13,000	280 J	8.7 U	130 J	280 J	240 J	140 J	640 J
4-Chloroaniline	220 or MDL	140 U	150 U	150 U	290 U	150 U	280 U	330 U
Hexachlorobutadiene	NC	14 U	14 U	14 U	27 U	14 U	27 U	31 U
Caprolatam	NC	14 U	15 U	14 U	29 U	15 U	28 U	33 U
4-Chloro-3-methylphenol	240 or MDL	11 U	12 U	12 U	23 U	12 U	23 U	27 U
2-Methylnaphthalene	36,400	100 J	6.9 U	61 J	180 J	150 J	91 J	350 J
Hexachlorocyclopentadiene	NC	9.7 U	10 U	9.8 U	20 U	10 U	19 U	22 U
2,4,6-Trichlorophenol	NC	14 U	14 U	14 U	28 U	14 U	28 U	33 U
2,4,5-Trichlorophenol	100	26 U	26 U	26 U	52 U	26 U	51 U	59 U
1,1-Biphenyl	NC	11 U	12 U	12 U	23 U	12 U	23 U	27 U
2-Chloronaphthalene	NC	8.1 U	8.3 U	8.2 U	16 U	8.3 U	16 U	19 U

Summary of Semi-Volatile Organic Compounds in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-2

Sample ID		SS32	SS33	SS34	SS35	SS36	SS37	SS38
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semi-Volatile Organic Compounds	TAGM RSCO							
2-Nitroaniline	430 or MDL	14 U	14 U	14 U	28 U	14 U	28 U	33 U
Dimethylphthalate	2,000	9.2 U	9.5 U	9.4 U	19 U	9.5 U	18 U	21 U
Acenaphthylene	41,000	140 J	42 J	41 J	280 J	260 J	300 J	1300
2,6-Dinitrotoluene	1,000	16 U	17 U	17 U	33 U	17 U	33 U	38 U
3-Nitroaniline	500 or MDL	62 U	64 U	63 U	130 U	64 U	120 U	140 U
Acenaphthene	50,000	100 J	41 J	59 J	100 J	100 J	110 J	180 J
2,4-Dinitrophenol	200 or MDL	17 U	18 U	17 U	35 U	18 U	34 U	40 U
4-Nitrophenol	100 or MDL	38 U	39 U	38 U	76 U	39 U	75 U	88 U
Dibenzofuran	6,200	66 J	13 U	13 U	26 U	60 J	25 U	30 U
2,4-Dinitrotoluene	1,000	7.7 U	7.9 U	7.8 U	16 U	7.9 U	15 U	18 U
Diethylphthalate	7,100	12 U	13 U	12 U	25 U	12 U	24 U	28 U
4-Chlorophenyl-phenylether	NC	9.6 U	9.9 U	9.7 U	19 U	9.9 U	19 U	22 U
Fluorene	50,000	140 J	41 J	61 J	120 J	130 J	130 J	590 J
4-Nitroaniline	NC	30 U	31 U	31 U	61 U	31 U	60 U	70 U
4,6-Dinitro-2-methylphenol	NC	22 U	23 U	23 U	45 U	23 U	45 U	52 U
N-Nitrosodiphenylamine	NC	9.8 U	10 U	10 U	20 U	10 U	19 U	23 U
4-Bromophenyl-phenylether	NC	10 U	10 U	10 U	21 U	10 U	20 U	24 U
Hexachlorobenzene	410	7.2 U	7.5 U	7.4 U	15 U	7.5 U	14 U	17 U
Atrazine	NC	12 U	12 U	12 U	24 U	12 U	23 U	27 U
Pentachlorophenol	1000 or MDL	12 U	12 U	12 U	24 U	12 U	24 U	28 U
Phenanthrene	50,000	1000	460	550	930	850	920	3800
Anthracene	50,000	320 J	120 J	140 J	310 J	260 J	300 J	920
Carbazole	NC	190 J	57 J	74 J	130 J	110 J	130 J	230 J
Di-n-butylphthalate	8,100	5.1 U	45 J	180 J	10 U	53 J	10 U	12 U
Fluoranthene	50,000	1800	890	970	1600	1500	2200	5100
Pyrene	50,000	1800	940	1100	1800	1800	2300	7000
Butylbenzylphthalate	50,000	13 U	60 J	40 J	26 U	13 U	89 J	30 U

Summary of Semi-Volatile Organic Compounds in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-2

Sample ID		SS32	SS33	SS34	SS35	SS36	SS37	SS38
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semi-Volatile Organic Compounds	TAGM RSCO							
3,3-Dichlorobenzidine	NA	62 U	64 U	63 U	130 U	64 U	120 U	140 U
Benzo(a)anthracene	224 or MDL	***1100***	***530***	***550***	***970***	***1000***	***1400***	***3600***
Chrysene	400	***990***	***560***	***520***	***930***	***970***	***1300***	***3300***
bis(2-Ethylhexyl)phthalate	50,000	300 J	810	380 J	520 J	300 J	1400	530 J
Di-n-octyl phthalate	50,000	9.2 U	9.5 U	9.4 U	19 U	9.5 U	18 U	21 U
Benzo(b)fluoranthene	1,100	930	480	680	860	1100	***1300***	***2500***
Benzo(k)fluoranthene	1,100	860	450	260 J	820	560	***1400***	***2400***
Benzo(a)pyrene	61 or MDL	***1000***	***470***	***500***	***960***	***910***	***1500***	***2700***
Indeno(1,2,3-cd)pyrene	3,200	450	160 J	170 J	300 J	300 J	540 J	920
Dibenz(a,h)anthracene	14 or MDL	***62*** J	12 U	12 U	23 U	***50*** J	***94*** J	***160*** J
Benzo(g,h,i)perylene	50,000	490	210 J	210 J	410 J	400	710 J	1200
Total Confident Conc. SVOC	500,000	12,118	6,366	6,676	11,500	11,103	16,354	37,420
Carcinogenic SVOCs in BaP Equivalents		1328.5	597.1	647.8	1190.5	1215.3	1945	3619

Summary of Semi-Volatile Organic Compounds in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-2

Sample ID		SS39	SS40	SS41	SS42	SS43	SS44	SS45
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semi-Volatile Organic Compounds	TAGM RSCO							
Benzaldehyde	NC	85 U	82 U	37 U	40 U	92 U	78 U	76 U
Phenol	30 or MDL	36 U	35 U	16 U	17 U	39 U	33 U	32 U
bis(2-Chloroethyl)ether	NC	43 U	41 U	19 U	20 U	46 U	39 U	38 U
2-Chlorophenol	800	38 U	36 U	16 U	18 U	40 U	34 U	33 U
2-Methylphenol	100 or MDL	55 U	53 U	24 U	26 U	59 U	50 U	49 U
2,2-oxybis(1-Chloropropane)	NC	47 U	45 U	20 U	22 U	51 U	43 U	42 U
Acetophenone	NC	46 U	44 U	20 U	22 U	49 U	42 U	40 U
3+4-Methylphenols	900	40 U	38 U	17 U	19 U	43 U	37 U	35 U
N-Nitroso-di-n-propylamine	NC	38 U	37 U	17 U	18 U	41 U	35 U	34 U
Hexachloroethane	NC	42 U	40 U	18 U	20 U	45 U	38 U	37 U
Nitrobenzene	200 or MDL	44 U	42 U	19 U	21 U	48 U	40 U	39 U
Isophorone	4,400	32 U	31 U	14 U	15 U	35 U	30 U	29 U
2-Nitrophenol	330 or MDL	35 U	34 U	15 U	17 U	38 U	32 U	31 U
2,4-Dimethylphenol	NC	47 U	45 U	20 U	22 U	51 U	43 U	42 U
bis(2-Chloroethoxy)methane	NC	40 U	38 U	17 U	19 U	43 U	36 U	35 U
2,4-Dichlorophenol	400	31 U	29 U	13 U	14 U	33 U	28 U	27 U
Naphthalene	13,000	120 J	420 J	8.2 U	9.0 U	20 U	200 J	400 J
4-Chloroaniline	220 or MDL	320 U	310 U	140 U	150 U	350 U	290 U	290 U
Hexachlorobutadiene	NC	31 U	29 U	13 U	14 U	33 U	28 U	27 U
Caprolatam	NC	32 U	31 U	14 U	15 U	35 U	29 U	28 U
4-Chloro-3-methylphenol	240 or MDL	26 U	25 U	11 U	12 U	28 U	24 U	23 U
2-Methylnaphthalene	36,400	15 U	150 J	6.5 U	7.1 U	16 U	140 J	240 J
Hexachlorocyclopentadiene	NC	22 U	21 U	9.4 U	10 U	23 U	20 U	19 U
2,4,6-Trichlorophenol	NC	32 U	30 U	14 U	15 U	34 U	29 U	28 U
2,4,5-Trichlorophenol	100	58 U	55 U	25 U	27 U	62 U	53 U	51 U
1,1-Biphenyl	NC	26 U	25 U	11 U	12 U	28 U	24 U	23 U
2-Chloronaphthalene	NC	18 U	17 U	7.8 U	8.6 U	20 U	17 U	16 U

Summary of Semi-Volatile Organic Compounds in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-2

Sample ID		SS39	SS40	SS41	SS42	SS43	SS44	SS45
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semi-Volatile Organic Compounds	TAGM RSCO							
2-Nitroaniline	430 or MDL	32 U	30 U	14 U	15 U	34 U	29 U	28 U
Dimethylphthalate	2,000	21 U	20 U	9.0 U	9.9 U	22 U	19 U	18 U
Acenaphthylene	41,000	88 J	160 J	11 U	12 U	28 U	220 J	110 J
2,6-Dinitrotoluene	1,000	37 U	36 U	16 U	18 U	40 U	34 U	33 U
3-Nitroaniline	500 or MDL	140 U	130 U	61 U	67 U	150 U	130 U	120 U
Acenaphthene	50,000	19 U	270 J	8.3 U	9.1 U	220 J	310 J	680 J
2,4-Dinitrophenol	200 or MDL	38 U	37 U	17 U	18 U	41 U	35 U	34 U
4-Nitrophenol	100 or MDL	85 U	82 U	37 U	40 U	91 U	78 U	75 U
Dibenzofuran	6,200	29 U	140 J	12 U	14 U	95 J	110 J	370 J
2,4-Dinitrotoluene	1,000	17 U	17 U	7.5 U	8.2 U	19 U	16 U	15 U
Diethylphthalate	7,100	27 U	26 U	12 U	13 U	29 U	25 U	24 U
4-Chlorophenyl-phenylether	NC	22 U	21 U	9.3 U	10 U	23 U	20 U	19 U
Fluorene	50,000	25 U	280 J	11 U	12 U	210 J	290 J	770
4-Nitroaniline	NC	68 U	65 U	29 U	32 U	73 U	62 U	60 U
4,6-Dinitro-2-methylphenol	NC	51 U	49 U	22 U	24 U	54 U	46 U	45 U
N-Nitrosodiphenylamine	NC	22 U	21 U	9.5 U	10 U	24 U	20 U	20 U
4-Bromophenyl-phenylether	NC	23 U	22 U	9.9 U	11 U	25 U	21 U	20 U
Hexachlorobenzene	410	16 U	16 U	7.0 U	7.7 U	18 U	15 U	14 U
Atrazine	NC	27 U	26 U	11 U	13 U	29 U	24 U	24 U
Pentachlorophenol	1000 or MDL	27 U	26 U	12 U	13 U	29 U	25 U	24 U
Phenanthrene	50,000	500 J	1900	180 J	150 J	1800	3300	4400
Anthracene	50,000	170 J	630 J	52 J	9.9 U	490 J	1000	1800
Carbazole	NC	90 J	350 J	8.3 U	9.1 U	280 J	620 J	940
Di-n-butylphthalate	8,100	12 U	110 J	5.0 U	5.5 U	1400	100 J	10 U
Fluoranthene	50,000	1100	3500	340 J	340 J	2800	4300 D	9600 D
Pyrene	50,000	1100	3500	350 J	350 J	2800	4600 D	8900 D
Butylbenzylphthalate	50,000	220 J	28 U	13 U	14 U	160 J	130 J	26 U

Summary of Semi-Volatile Organic Compounds in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-2

Sample ID		SS39	SS40	SS41	SS42	SS43	SS44	SS45
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semi-Volatile Organic Compounds	TAGM RSCO							
3,3-Dichlorobenzidine	NA	140 U	130 U	60 U	66 U	150 U	130 U	120 U
Benzo(a)anthracene	224 or MDL	***670*** J	***2000***	180 J	190 J	***1500***	***4100***	***5300***
Chrysene	400	***670*** J	***2000***	190 J	210 J	***1400***	***3500***	***5200***
bis(2-Ethylhexyl)phthalate	50,000	1300	1300	73 J	330 J	1600	650 J	460 J
Di-n-octyl phthalate	50,000	21 U	1200	9.0 U	9.9 U	22 U	19 U	18 U
Benzo(b)fluoranthene	1,100	700 J	***2100***	170 J	230 J	***1400***	***3600***	***5200***
Benzo(k)fluoranthene	1,100	640 J	***1500***	180 J	110 J	***1200***	***2800***	***3400***
Benzo(a)pyrene	61 or MDL	***730*** J	***1900***	***190*** J	***190*** J	***1300***	***3200***	***4400***
Indeno(1,2,3-cd)pyrene	3,200	230 J	530 J	110 J	110 J	350 J	840	1100
Dibenz(a,h)anthracene	14 or MDL	26 U	***96*** J	11 U	12 U	27 U	***140*** J	***210*** J
Benzo(g,h,i)perylene	50,000	310 J	770 J	150 J	130 J	470 J	1200	1500
Total Confident Conc. SVOC	500,000	8,638	24,806	2,165	2,340	19,475	35,350	54,980
Carcinogenic SVOCs in BaP Equivalents		903.1	2,494	239.7	246.2	1,651	4,257	5,856

Summary of Semi-Volatile Organic Compounds in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-2

Sample ID		SS46	SS1A	SS2A	SS3A	SS4A	SS5A	SS6A
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semi-Volatile Organic Compounds	TAGM RSCO							
Benzaldehyde	NC	74 U	79 U	380 U	39 U	78 U	79 U	380 U
Phenol	30 or MDL	32 U	34 U	160 U	16 U	33 U	34 U	160 U
bis(2-Chloroethyl)ether	NC	37 U	40 U	190 U	19 U	39 U	40 U	190 U
2-Chlorophenol	800	33 U	35 U	170 U	17 U	34 U	35 U	170 U
2-Methylphenol	100 or MDL	48 U	51 U	240 U	25 U	50 U	51 U	250 U
2,2-oxybis(1-Chloropropane)	NC	41 U	44 U	210 U	21 U	43 U	44 U	210 U
Acetophenone	NC	40 U	42 U	200 U	21 U	41 U	42 U	200 U
3+4-Methylphenols	900	35 U	37 U	180 U	18 U	36 U	37 U	180 U
N-Nitroso-di-n-propylamine	NC	33 U	36 U	170 U	17 U	35 U	35 U	170 U
Hexachloroethane	NC	36 U	39 U	180 U	19 U	38 U	38 U	190 U
Nitrobenzene	200 or MDL	38 U	41 U	200 U	20 U	40 U	41 U	200 U
Isophorone	4,400	28 U	30 U	140 U	15 U	29 U	30 U	140 U
2-Nitrophenol	330 or MDL	30 U	33 U	160 U	16 U	32 U	32 U	160 U
2,4-Dimethylphenol	NC	41 U	44 U	210 U	21 U	43 U	44 U	210 U
bis(2-Chloroethoxy)methane	NC	35 U	37 U	180 U	18 U	36 U	37 U	180 U
2,4-Dichlorophenol	400	27 U	28 U	140 U	14 U	28 U	28 U	140 U
Naphthalene	13,000	490 J	420 J	84 U	57 J	100 J	120 J	85 U
4-Chloroaniline	220 or MDL	280 U	300 U	1400 U	150 U	290 U	300 U	1400 U
Hexachlorobutadiene	NC	27 U	28 U	140 U	14 U	28 U	28 U	140 U
Caprolatam	NC	28 U	30 U	140 U	15 U	29 U	30 U	140 U
4-Chloro-3-methylphenol	240 or MDL	22 U	24 U	110 U	12 U	23 U	24 U	120 U
2-Methylnaphthalene	36,400	200 J	150 J	67 U	6.8 U	14 U	14 U	67 U
Hexachlorocyclopentadiene	NC	19 U	20 U	97 U	9.9 U	20 U	20 U	98 U
2,4,6-Trichlorophenol	NC	27 U	29 U	140 U	14 U	29 U	29 U	140 U
2,4,5-Trichlorophenol	100	50 U	54 U	260 U	26 U	52 U	53 U	260 U
1,1-Biphenyl	NC	22 U	24 U	110 U	12 U	23 U	24 U	120 U
2-Chloronaphthalene	NC	16 U	17 U	81 U	8.2 U	17 U	17 U	81 U

Summary of Semi-Volatile Organic Compounds in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-2

Sample ID		SS46	SS1A	SS2A	SS3A	SS4A	SS5A	SS6A
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semi-Volatile Organic Compounds	TAGM RSCO							
2-Nitroaniline	430 or MDL	27 U	29 U	140 U	14 U	29 U	29 U	140 U
Dimethylphthalate	2,000	18 U	19 U	92 U	9.4 U	19 U	19 U	93 U
Acenaphthylene	41,000	310 J	88 J	120 U	57 J	24 U	85 J	120 U
2,6-Dinitrotoluene	1,000	32 U	34 U	160 U	17 U	34 U	34 U	170 U
3-Nitroaniline	500 or MDL	120 U	130 U	620 U	63 U	130 U	130 U	630 U
Acenaphthene	50,000	1000	800 J	85 U	83 J	170 J	220 J	86 U
2,4-Dinitrophenol	200 or MDL	33 U	36 U	170 U	17 U	35 U	35 U	170 U
4-Nitrophenol	100 or MDL	74 U	79 U	380 U	38 U	77 U	79 U	380 U
Dibenzofuran	6,200	350 J	290 J	130 U	13 U	26 U	26 U	130 U
2,4-Dinitrotoluene	1,000	15 U	16 U	77 U	7.8 U	16 U	16 U	78 U
Diethylphthalate	7,100	24 U	25 U	120 U	12 U	25 U	25 U	120 U
4-Chlorophenyl-phenylether	NC	19 U	20 U	96 U	9.7 U	20 U	20 U	97 U
Fluorene	50,000	910	730 J	110 U	81 J	140 J	210 J	110 U
4-Nitroaniline	NC	59 U	63 U	300 U	31 U	62 U	63 U	310 U
4,6-Dinitro-2-methylphenol	NC	44 U	47 U	220 U	23 U	46 U	47 U	230 U
N-Nitrosodiphenylamine	NC	19 U	21 U	98 U	10 U	20 U	20 U	99 U
4-Bromophenyl-phenylether	NC	20 U	21 U	100 U	10 U	21 U	21 U	100 U
Hexachlorobenzene	410	14 U	15 U	72 U	7.4 U	15 U	15 U	73 U
Atrazine	NC	23 U	25 U	120 U	12 U	24 U	25 U	120 U
Pentachlorophenol	1000 or MDL	24 U	25 U	120 U	12 U	25 U	25 U	120 U
Phenanthrene	50,000	9200 D	10000 D	5100	1400	2800	3800	6200
Anthracene	50,000	3300	3700	1300 J	360 J	710 J	1000	1600 J
Carbazole	NC	2400	2300	85 U	200 J	400 J	530 J	86 U
Di-n-butylphthalate	8,100	10 U	11 U	51 U	5.2 U	11 U	11 U	52 U
Fluoranthene	50,000	16000 D	16000 D	11000	2700	5100	6200 D	13000
Pyrene	50,000	15000 D	15000 D	8900	2500	4000	6100	10000
Butylbenzylphthalate	50,000	25 U	27 U	130 U	13 U	27 U	27 U	130 U

Summary of Semi-Volatile Organic Compounds in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-2

Sample ID		SS46	SS1A	SS2A	SS3A	SS4A	SS5A	SS6A
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semi-Volatile Organic Compounds	TAGM RSCO							
3,3-Dichlorobenzidine	NA	120 U	130 U	620 U	63 U	130 U	130 U	630 U
Benzo(a)anthracene	224 or MDL	***7300*** D	***7100*** D	***4700***	***1200***	***2200***	***3400***	***5500***
Chrysene	400	***7400*** D	***6200*** D	***4500***	***1200***	***2200***	***3400***	***4900***
bis(2-Ethylhexyl)phthalate	50,000	190 J	140 J	89 U	160 J	160 J	160 J	90 U
Di-n-octyl phthalate	50,000	18 U	19 U	92 U	9.4 U	19 U	19 U	93 U
Benzo(b)fluoranthene	1,100	***7100*** D	***6900*** D	***4700***	***1800***	***2900***	***4900***	***5600***
Benzo(k)fluoranthene	1,100	***3000***	***3400***	***1900*** J	690	1000	***1800***	***1700*** J
Benzo(a)pyrene	61 or MDL	***5800***	***5200*** D	***3900***	***1200***	***2000***	***3200***	***4200***
Indeno(1,2,3-cd)pyrene	3,200	1700	1400	1800 J	150 J	370 J	390 J	1900 J
Dibenz(a,h)anthracene	14 or MDL	***260*** J	***210*** J	110 U	***41*** J	23 U	***82*** J	110 U
Benzo(g,h,i)perylene	50,000	2100	1900	2300 J	370 J	610 J	910	2300 J
Total Confident Conc. SVOC	500,000	84,010	15,528	50,100	14,249	24,860	30,307	56,900
Carcinogenic SVOCs in BaP Equivalents		7,774	7,046	5,084	1,575	2,579	4,203	5,566

Summary of Semi-Volatile Organic Compounds in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-2

Sample ID Matrix Units Semi-Volatile Organic Compounds	TAGM RSCO	SS7A SOIL ug/Kg	SS19A SOIL ug/Kg	SS8A SOIL ug/Kg	SS9A SOIL ug/Kg	SS10A SOIL ug/Kg	SS11A SOIL ug/Kg	SS12A SOIL ug/Kg
Benzaldehyde	NC	80 U	80 U	390 U	77 U	76 U	74 U	33 U
Phenol	30 or MDL	34 U	34 U	160 U	33 U	32 U	32 U	14 U
bis(2-Chloroethyl)ether	NC	40 U	40 U	190 U	39 U	38 U	37 U	16 U
2-Chlorophenol	800	35 U	35 U	170 U	34 U	33 U	33 U	14 U
2-Methylphenol	100 or MDL	52 U	52 U	250 U	50 U	49 U	48 U	21 U
2,2-oxybis(1-Chloropropane)	NC	44 U	44 U	210 U	43 U	42 U	41 U	18 U
Acetophenone	NC	43 U	43 U	210 U	41 U	40 U	40 U	17 U
3+4-Methylphenols	900	38 U	38 U	180 U	36 U	36 U	35 U	15 U
N-Nitroso-di-n-propylamine	NC	36 U	36 U	170 U	35 U	34 U	33 U	15 U
Hexachloroethane	NC	39 U	39 U	190 U	38 U	37 U	36 U	16 U
Nitrobenzene	200 or MDL	42 U	42 U	200 U	40 U	39 U	38 U	17 U
Isophorone	4,400	31 U	30 U	150 U	29 U	29 U	28 U	12 U
2-Nitrophenol	330 or MDL	33 U	33 U	160 U	32 U	31 U	30 U	13 U
2,4-Dimethylphenol	NC	44 U	44 U	210 U	43 U	42 U	41 U	18 U
bis(2-Chloroethoxy)methane	NC	37 U	37 U	180 U	36 U	35 U	35 U	15 U
2,4-Dichlorophenol	400	29 U	29 U	140 U	28 U	27 U	27 U	12 U
Naphthalene	13,000	270 J	100 J	86 U	200 J	170 J	130 J	7.2 U
4-Chloroaniline	220 or MDL	300 U	300 U	1500 U	290 U	290 U	280 U	120 U
Hexachlorobutadiene	NC	29 U	29 U	140 U	28 U	27 U	27 U	12 U
Caprolatam	NC	30 U	30 U	150 U	29 U	29 U	28 U	12 U
4-Chloro-3-methylphenol	240 or MDL	24 U	24 U	120 U	23 U	23 U	22 U	9.9 U
2-Methylnaphthalene	36,400	150 J	14 U	68 U	82 J	120 J	78 J	5.7 U
Hexachlorocyclopentadiene	NC	21 U	21 U	99 U	20 U	19 U	19 U	8.3 U
2,4,6-Trichlorophenol	NC	30 U	30 U	140 U	29 U	28 U	27 U	12 U
2,4,5-Trichlorophenol	100	54 U	54 U	260 U	52 U	51 U	50 U	22 U
1,1-Biphenyl	NC	24 U	24 U	120 U	23 U	23 U	22 U	9.9 U
2-Chloronaphthalene	NC	17 U	17 U	82 U	16 U	16 U	16 U	6.9 U

Summary of Semi-Volatile Organic Compounds in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-2

Sample ID		SS7A	SS19A	SS8A	SS9A	SS10A	SS11A	SS12A
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semi-Volatile Organic Compounds	TAGM RSCO							
2-Nitroaniline	430 or MDL	30 U	30 U	140 U	29 U	28 U	27 U	12 U
Dimethylphthalate	2,000	20 U	20 U	94 U	19 U	18 U	18 U	7.9 U
Acenaphthylene	41,000	340 J	100 J	120 U	110 J	140 J	130 J	10 U
2,6-Dinitrotoluene	1,000	35 U	35 U	170 U	34 U	33 U	32 U	14 U
3-Nitroaniline	500 or MDL	130 U	130 U	640 U	130 U	120 U	120 U	54 U
Acenaphthene	50,000	310 J	150 J	550 J	350 J	330 J	230 J	7.3 U
2,4-Dinitrophenol	200 or MDL	36 U	36 U	170 U	35 U	34 U	33 U	15 U
4-Nitrophenol	100 or MDL	80 U	80 U	380 U	77 U	75 U	74 U	32 U
Dibenzofuran	6,200	150 J	27 U	130 U	140 J	130 J	89 J	11 U
2,4-Dinitrotoluene	1,000	16 U	16 U	79 U	16 U	15 U	15 U	6.6 U
Diethylphthalate	7,100	26 U	26 U	120 U	25 U	24 U	24 U	10 U
4-Chlorophenyl-phenylether	NC	20 U	20 U	98 U	20 U	19 U	19 U	8.2 U
Fluorene	50,000	350 J	150 J	490 J	350 J	320 J	210 J	9.5 U
4-Nitroaniline	NC	64 U	64 U	310 U	62 U	61 U	59 U	26 U
4,6-Dinitro-2-methylphenol	NC	48 U	47 U	230 U	46 U	45 U	44 U	19 U
N-Nitrosodiphenylamine	NC	21 U	21 U	100 U	20 U	20 U	19 U	8.4 U
4-Bromophenyl-phenylether	NC	22 U	22 U	100 U	21 U	20 U	20 U	8.7 U
Hexachlorobenzene	410	15 U	15 U	74 U	15 U	14 U	14 U	6.2 U
Atrazine	NC	25 U	25 U	120 U	24 U	24 U	23 U	10 U
Pentachlorophenol	1000 or MDL	26 U	25 U	120 U	25 U	24 U	24 U	10 U
Phenanthrene	50,000	4200	2100	6400	4000	4300	3200	100 J
Anthracene	50,000	1300	460 J	1600 J	1200	1300	800	7.9 U
Carbazole	NC	620 J	170 J	700 J	560 J	800	400 J	7.3 U
Di-n-butylphthalate	8,100	94 J	11 U	52 U	11 U	10 U	10 U	34 J
Fluoranthene	50,000	7600 D	3700	11000	6200	6900 D	5700	280 J
Pyrene	50,000	7100 D	3600	11000	5100	6000	4700	260 J
Butylbenzylphthalate	50,000	28 U	27 U	130 U	27 U	26 U	25 U	11 U

Summary of Semi-Volatile Organic Compounds in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-2

Sample ID		SS7A	SS19A	SS8A	SS9A	SS10A	SS11A	SS12A
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semi-Volatile Organic Compounds	TAGM RSCO							
3,3-Dichlorobenzidine	NA	130 U	130 U	630 U	130 U	120 U	120 U	53 U
Benzo(a)anthracene	224 or MDL	***4200***	***1600***	***4700***	***2800***	***3400***	***2600***	150 J
Chrysene	400	***4200***	***1500***	***4600***	***2900***	***3200***	***2600***	150 J
bis(2-Ethylhexyl)phthalate	50,000	19 U	350 J	91 U	250 J	190 J	350 J	370
Di-n-octyl phthalate	50,000	20 U	20 U	94 U	19 U	18 U	18 U	7.9 U
Benzo(b)fluoranthene	1,100	***4700*** D	***2300***	***7100***	***4100***	***4900***	***3600***	180 J
Benzo(k)fluoranthene	1,100	***2700***	***750*** J	***2300*** J	***1400***	***1800***	***1200***	67 J
Benzo(a)pyrene	61 or MDL	***5200***	***1600***	***4700***	***2800***	***3300***	***2600***	***130*** J
Indeno(1,2,3-cd)pyrene	3,200	710 J	220 J	720 J	500 J	460 J	520 J	78 J
Dibenz(a,h)anthracene	14 or MDL	***150*** J	24 U	120 U	***84*** J	***99*** J	22 U	9.8 U
Benzo(g,h,i)perylene	50,000	1600	540 J	1700 J	900	970	820	110 J
Total Confident Conc. SVOC	500,000	26,544	19,390	57,560	34,026	31,929	29,957	1,909
Carcinogenic SVOCs in BaP Equivalents		6,380	2,035	6,021	3,667	4,325	3,310	173

Summary of Semi-Volatile Organic Compounds in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-2

Sample ID		SS13A	SS14A	SS15A	SS16A	SS17A	SS18A
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semi-Volatile Organic Compounds	TAGM RSCO						
Benzaldehyde	NC	1700 U	670 U	340 U	370 U	380 U	150 U
Phenol	30 or MDL	720 U	280 U	140 U	160 U	160 U	64 U
bis(2-Chloroethyl)ether	NC	850 U	340 U	170 U	190 U	190 U	76 U
2-Chlorophenol	800	750 U	290 U	150 U	160 U	170 U	66 U
2-Methylphenol	100 or MDL	1100 U	430 U	220 U	240 U	250 U	97 U
2,2-oxybis(1-Chloropropane)	NC	940 U	370 U	190 U	200 U	210 U	83 U
Acetophenone	NC	910 U	360 U	180 U	200 U	200 U	80 U
3+4-Methylphenols	900	800 U	310 U	160 U	170 U	180 U	70 U
N-Nitroso-di-n-propylamine	NC	760 U	300 U	150 U	170 U	170 U	68 U
Hexachloroethane	NC	830 U	330 U	170 U	180 U	190 U	73 U
Nitrobenzene	200 or MDL	880 U	350 U	180 U	190 U	200 U	78 U
Isophorone	4,400	640 U	250 U	130 U	140 U	150 U	57 U
2-Nitrophenol	330 or MDL	700 U	270 U	140 U	150 U	160 U	62 U
2,4-Dimethylphenol	NC	940 U	370 U	190 U	200 U	210 U	83 U
bis(2-Chloroethoxy)methane	NC	790 U	310 U	160 U	170 U	180 U	70 U
2,4-Dichlorophenol	400	610 U	240 U	120 U	130 U	140 U	54 U
Naphthalene	13,000	380 U	840 J	2200 J	1800 J	2100 J	240 J
4-Chloroaniline	220 or MDL	6400 U	2500 U	1300 U	1400 U	1400 U	570 U
Hexachlorobutadiene	NC	610 U	240 U	120 U	130 U	140 U	54 U
Caprolatam	NC	640 U	250 U	130 U	140 U	140 U	57 U
4-Chloro-3-methylphenol	240 or MDL	510 U	200 U	100 U	110 U	120 U	45 U
2-Methylnaphthalene	36,400	300 U	120 U	1200 J	900 J	1900 J	190 J
Hexachlorocyclopentadiene	NC	430 U	170 U	87 U	94 U	98 U	38 U
2,4,6-Trichlorophenol	NC	630 U	250 U	130 U	140 U	140 U	56 U
2,4,5-Trichlorophenol	100	1100 U	450 U	230 U	250 U	260 U	100 U
1,1-Biphenyl	NC	510 U	200 U	100 U	110 U	120 U	45 U
2-Chloronaphthalene	NC	360 U	140 U	72 U	78 U	81 U	32 U

Summary of Semi-Volatile Organic Compounds in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-2

Sample ID		SS13A	SS14A	SS15A	SS16A	SS17A	SS18A
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semi-Volatile Organic Compounds	TAGM RSCO						
2-Nitroaniline	430 or MDL	630 U	250 U	130 U	140 U	140 U	56 U
Dimethylphthalate	2,000	410 U	160 U	83 U	90 U	93 U	37 U
Acenaphthylene	41,000	520 U	200 U	5200	2400 J	2600 J	260 J
2,6-Dinitrotoluene	1,000	740 U	290 U	150 U	160 U	170 U	65 U
3-Nitroaniline	500 or MDL	2800 U	1100 U	560 U	610 U	630 U	250 U
Acenaphthene	50,000	380 U	150 U	77 U	2300 J	2600 J	790 J
2,4-Dinitrophenol	200 or MDL	760 U	300 U	150 U	170 U	170 U	68 U
4-Nitrophenol	100 or MDL	1700 U	670 U	340 U	370 U	380 U	150 U
Dibenzofuran	6,200	570 U	220 U	110 U	1200 J	1400 J	520 J
2,4-Dinitrotoluene	1,000	350 U	140 U	69 U	75 U	78 U	31 U
Diethylphthalate	7,100	540 U	210 U	110 U	120 U	120 U	48 U
4-Chlorophenyl-phenylether	NC	430 U	170 U	86 U	93 U	97 U	38 U
Fluorene	50,000	490 U	190 U	770 J	2500 J	3900 J	1100 J
4-Nitroaniline	NC	1400 U	530 U	270 U	290 U	310 U	120 U
4,6-Dinitro-2-methylphenol	NC	1000 U	400 U	200 U	220 U	230 U	89 U
N-Nitrosodiphenylamine	NC	440 U	170 U	88 U	96 U	99 U	39 U
4-Bromophenyl-phenylether	NC	460 U	180 U	91 U	99 U	100 U	40 U
Hexachlorobenzene	410	320 U	130 U	65 U	71 U	73 U	29 U
Atrazine	NC	530 U	210 U	110 U	110 U	120 U	47 U
Pentachlorophenol	1000 or MDL	540 U	210 U	110 U	120 U	120 U	48 U
Phenanthrene	50,000	3800 J	4600 J	5500	24000	25000	8600
Anthracene	50,000	410 U	1200 J	1800 J	8700	8300	3000
Carbazole	NC	380 U	150 U	77 U	4400	1900 J	530 J
Di-n-butylphthalate	8,100	230 U	91 U	46 U	50 U	52 U	20 U
Fluoranthene	50,000	5900 J	8100	8000	43000 D	26000	11000
Pyrene	50,000	6500 J	9600	15000	41000 D	30000	8400
Butylbenzylphthalate	50,000	580 U	230 U	120 U	130 U	130 U	51 U

Summary of Semi-Volatile Organic Compounds in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-2

Sample ID		SS13A	SS14A	SS15A	SS16A	SS17A	SS18A
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semi-Volatile Organic Compounds	TAGM RSCO						
3,3-Dichlorobenzidine	NA	2800 U	1100 U	560 U	600 U	630 U	250 U
Benzo(a)anthracene	224 or MDL	***2800*** J	***4000*** J	***5700***	***18000***	***15000***	***4600***
Chrysene	400	***2600*** J	***3800*** J	***6300***	***18000***	***14000***	***4000***
bis(2-Ethylhexyl)phthalate	50,000	2000 J	160 U	470 J	86 U	2100 J	210 J
Di-n-octyl phthalate	50,000	410 U	160 U	83 U	90 U	93 U	37 U
Benzo(b)fluoranthene	1,100	***3900*** J	***6000*** J	***10000***	***26000***	***16000***	***4800***
Benzo(k)fluoranthene	1,100	590 U	***2300*** J	***3100*** J	***7700***	***6700***	***2000***
Benzo(a)pyrene	61 or MDL	***2700*** J	***4200*** J	***8100***	***15000***	***12000***	***3600***
Indeno(1,2,3-cd)pyrene	3,200	420 U	710 J	1300 J	1800 J	1300 J	680 J
Dibenz(a,h)anthracene	14 or MDL	510 U	200 U	100 U	***410*** J	110 U	45 U
Benzo(g,h,i)perylene	50,000	750 U	1800 J	3700	4500	3200 J	1000 J
Total Confident Conc. SVOC	500,000	30,200	47,150	78,340	139,610	176,000	55,520
Carcinogenic SVOCs in BaP Equivalents		3,396	5,332	9,894	20,247	15,437	4,668

Summary of Semi-Volatile Organic Compounds in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-2

Sample ID Matrix Units Semi-Volatile Organic Compounds	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detections	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
Benzaldehyde	NC	60	0	0.0%	0	0.0%	<33	<1,700
Phenol	30 or MDL	60	0	0.0%	0	0.0%	<14	<720
bis(2-Chloroethyl)ether	NC	60	0	0.0%	0	0.0%	<16	<850
2-Chlorophenol	800	60	0	0.0%	0	0.0%	<14	<750
2-Methylphenol	100 or MDL	60	0	0.0%	0	0.0%	<21	<1100
2,2-oxybis(1-Chloropropane)	NC	60	0	0.0%	0	0.0%	<18	<940
Acetophenone	NC	60	0	0.0%	0	0.0%	<17	<910
3+4-Methylphenols	900	60	0	0.0%	0	0.0%	<15	<800
N-Nitroso-di-n-propylamine	NC	60	0	0.0%	0	0.0%	<15	<760
Hexachloroethane	NC	60	0	0.0%	0	0.0%	<16	<830
Nitrobenzene	200 or MDL	60	0	0.0%	0	0.0%	<17	<880
Isophorone	4,400	60	0	0.0%	0	0.0%	<12	<640
2-Nitrophenol	330 or MDL	60	0	0.0%	0	0.0%	<13	<700
2,4-Dimethylphenol	NC	60	0	0.0%	0	0.0%	<18	<940
bis(2-Chloroethoxy)methane	NC	60	0	0.0%	0	0.0%	<15	<790
2,4-Dichlorophenol	400	60	0	0.0%	0	0.0%	<12	<610
Naphthalene	13,000	60	48	80.0%	0	0.0%	<7.2	4,500
4-Chloroaniline	220 or MDL	60	0	0.0%	0	0.0%	<120	<6,400
Hexachlorobutadiene	NC	60	0	0.0%	0	0.0%	<12	<610
Caprolatam	NC	60	0	0.0%	0	0.0%	<12	<640
4-Chloro-3-methylphenol	240 or MDL	60	0	0.0%	0	0.0%	<9.9	<510
2-Methylnaphthalene	36,400	60	36	60.0%	0	0.0%	<5.7	4,600
Hexachlorocyclopentadiene	NC	60	0	0.0%	0	0.0%	<8.3	<430
2,4,6-Trichlorophenol	NC	60	0	0.0%	0	0.0%	<12	<630
2,4,5-Trichlorophenol	100	60	0	0.0%	0	0.0%	<22	<1,100
1,1-Biphenyl	NC	60	1	1.7%	0	0.0%	<9.9	790
2-Chloronaphthalene	NC	60	0	0.0%	0	0.0%	<6.9	<360

Summary of Semi-Volatile Organic Compounds in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-2

Sample ID Matrix Units Semi-Volatile Organic Compounds	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detections	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
2-Nitroaniline	430 or MDL	60	0	0.0%	0	0.0%	<12	<630
Dimethylphthalate	2,000	60	0	0.0%	0	0.0%	<7.9	<410
Acenaphthylene	41,000	60	40	66.7%	0	0.0%	<10	7,600
2,6-Dinitrotoluene	1,000	60	0	0.0%	0	0.0%	<14	<740
3-Nitroaniline	500 or MDL	60	0	0.0%	0	0.0%	<54	<2,800
Acenaphthene	50,000	60	32	53.3%	0	0.0%	<7.3	2,600
2,4-Dinitrophenol	200 or MDL	60	0	0.0%	0	0.0%	<15	<760
4-Nitrophenol	100 or MDL	60	1	1.7%	1	1.7%	<32	1,700
Dibenzofuran	6,200	60	26	43.3%	0	0.0%	<11	1,400
2,4-Dinitrotoluene	1,000	60	0	0.0%	0	0.0%	<6.6	<350
Diethylphthalate	7,100	60	0	0.0%	0	0.0%	<10	<540
4-Chlorophenyl-phenylether	NC	60	0	0.0%	0	0.0%	<8.2	<430
Fluorene	50,000	60	44	73.3%	0	0.0%	<9.5	4,600
4-Nitroaniline	NC	60	0	0.0%	0	0.0%	<26	<1,400
4,6-Dinitro-2-methylphenol	NC	60	0	0.0%	0	0.0%	<19	<1,000
N-Nitrosodiphenylamine	NC	60	0	0.0%	0	0.0%	<8.4	<440
4-Bromophenyl-phenylether	NC	60	0	0.0%	0	0.0%	<8.7	<460
Hexachlorobenzene	410	60	0	0.0%	0	0.0%	<6.2	<320
Atrazine	NC	60	0	0.0%	0	0.0%	<10	<53
Pentachlorophenol	1000 or MDL	60	0	0.0%	0	0.0%	<10	<540
Phenanthrene	50,000	60	60	100.0%	0	0.0%	100	46,000
Anthracene	50,000	60	57	95.0%	0	0.0%	<7.9	19,000
Carbazole	NC	60	46	76.7%	0	0.0%	<7.3	7,300
Di-n-butylphthalate	8,100	60	16	26.7%	0	0.0%	<4.9	1,400
Fluoranthene	50,000	60	60	100.0%	1	1.7%	280	110,000
Pyrene	50,000	60	60	100.0%	1	1.7%	260	72,000
Butylbenzylphthalate	50,000	60	7	11.7%	0	0.0%	<11	580

Summary of Semi-Volatile Organic Compounds in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-2

Sample ID Matrix Units Semi-Volatile Organic Compounds	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detections	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
3,3-Dichlorobenzidine	NA	60	0	0.0%	0	0.0%	<53	<2,800
Benzo(a)anthracene	224 or MDL	60	60	100.0%	58	96.7%	150	44,000
Chrysene	400	60	60	100.0%	54	90.0%	150	42,000
bis(2-Ethylhexyl)phthalate	50,000	60	51	85.0%	0	0.0%	<11	2,100
Di-n-octyl phthalate	50,000	60	1	1.7%	0	0.0%	<7.9	1,200
Benzo(b)fluoranthene	1,100	60	60	100.0%	43	71.7%	170	48,000
Benzo(k)fluoranthene	1,100	60	59	98.3%	35	58.3%	<67	22,000
Benzo(a)pyrene	61 or MDL	60	60	100.0%	60	100.0%	<130	35,000
Indeno(1,2,3-cd)pyrene	3,200	60	59	98.3%	1	1.7%	<78.0	6,400
Dibenz(a,h)anthracene	14 or MDL	60	27	45.0%	27	45.0%	<9.8	840
Benzo(g,h,i)perylene	50,000	60	59	98.3%	0	0.0%	<110	9,000
Total Confident Conc. SVOC Carcinogenic SVOCs in BaP Equivalents	500,000							

Summary of Metals in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-3

Sample ID RCRA Metals Compound	TAGM RSCO	SS01	SS02	SS03	SS04	SS05	SS06	SS07	SS08
Arsenic	12	***13.3***	8.800	6.500	10.6	***24.1***	***23.4***	***32.8***	***16.0***
Barium	600	262	155	183	186	142	129	84.6	215
Cadmium	1	***2.000***	***2.490***	***1.520***	***2.090***	***1.820***	***1.580***	***1.200***	***1.120***
Chromium	40	28.5	***50.3***	19.6	32.6	20.7	23.7	18.3	12.9
Lead	500	252	***656***	***2640***	408	***906***	188	133	257
Mercury	0.1	***0.89***	***0.82***	***0.86***	***0.86***	***0.75*** J	***0.44*** J	***0.58*** J	***0.58*** J
Selenium	3.9	0.833 J	0.968 J	0.357 U	0.803 J	0.342 U	0.461 J	0.335 U	0.343 U
Silver	SB	0.755 J	1.560	0.925 J	1.410	3.630 J	0.341 J	0.476 J	0.282 J

Summary of Metals in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-3

Sample ID RCRA Metals Compound	 TAGM RSCO	SS09	SS10	SS21 SS-10 Duplicate	SS11	SS12	SS13	SS14	SS15
Arsenic	12	***25.8***	***15.0***	***12.3***	***32.1***	***13.2***	***54.4***	***33.1***	***46.8***
Barium	600	135	102	90.7	94.9	215	61.5	84.1	50.4
Cadmium	1	***1.660***	***1.610***	***1.250***	***1.590***	***1.960***	***1.130***	***1.380***	0.769
Chromium	40	23.4	23.1	18.7	21.6	30.8	16.7	16.3	14.5
Lead	500	135	129	83.2	158	255	98.8	101	78.8
Mercury	0.1	***0.93*** J	***0.42*** J	***0.48*** J	***0.47*** J	***0.59*** J	***0.50*** J	***0.36*** J	***0.54*** J
Selenium	3.9	0.471 J	0.364 U	0.344 U	0.351 U	0.359 U	0.355 U	0.583 J	1.690
Silver	SB	0.786 J	2.260 J	0.722 J	0.895 J	0.908 J	0.344 J	0.397 J	0.119 J

Summary of Metals in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-3

Sample ID RCRA Metals Compound	TAGM RSCO	SS16	SS17	SS18	SS19	SS20
Arsenic	12	***32.3***	***14.3***	7.210	7.980	5.630
Barium	600	137	246	121	99.7	253
Cadmium	1	***1.530***	***1.960***	***1.640***	***1.040***	***1.370***
Chromium	40	19.2	17.9	19.9	22.5	17.6
Lead	500	97.7	***578***	123	238	265
Mercury	0.1	***0.52*** J	***1.2*** J	***0.53*** J	***0.46*** J	***0.48*** J
Selenium	3.9	0.350 U	0.344 U	0.564 J	0.554 J	0.864 J
Silver	SB	0.330 J	3.100 J	0.611 J	0.624 J	0.661 J

Summary of Metals in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-3

Sample ID RCRA Metals Compound	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detections	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
Arsenic	12	21	21	100%	15	71%	6.500	54.4
Barium	600	21	21	100%	0	0%	50.4	262
Cadmium	1	21	21	100%	20	95%	0.769	2.490
Chromium	40	21	21	100%	1	5%	12.9	50.3
Lead	500	21	21	100%	4	19%	78.8	2,640
Mercury	0.1	21	21	100%	21	100%	0.360	1.2
Selenium	3.9	21	10	48%	0	0%	0.335	1.690
Silver	SB	21	21	100%	0	0%	0.119	3.630

Summary of PCBs in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-4

Sample ID Units PCBs	TAGM RSCO	SS01 ug/Kg	SS02 ug/Kg	SS03 ug/Kg	SS04 ug/Kg	SS05 ug/Kg	SS06 ug/Kg	SS07 ug/Kg	SS08 ug/Kg
Aroclor-1016	1,000	6.3 U	6.1 U	5.9 U	5.8 U	5.7 U	5.9 U	5.6 U	5.7 U
Aroclor-1221	1,000	4.3 U	4.2 U	4.0 U	4.0 U	3.9 U	4.0 U	3.8 U	3.9 U
Aroclor-1232	1,000	2.9 U	2.8 U	2.7 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 U
Aroclor-1242	1,000	3.7 U	3.6 U	3.5 U	3.4 U	3.4 U	3.5 U	3.3 U	3.4 U
Aroclor-1248	1,000	4.4 U	4.3 U	4.1 U	4.1 U	4.0 U	4.2 U	3.9 U	4.0 U
Aroclor-1254	1,000	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.4 U	1.5 U
Aroclor-1260	1,000	3.5 U	3.5 U	3.3 U	3.3 U	3.2 U	3.4 U	3.1 U	3.2 U

Summary of PCBs in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-4

Sample ID Units PCBs	TAGM RSCO	SS09 ug/Kg	SS10 ug/Kg	SS21 ug/Kg SS-10 Duplicate	SS11 ug/Kg	SS12 ug/Kg	SS13 ug/Kg	SS14 ug/Kg	SS15 ug/Kg
Aroclor-1016	1,000	6.1 U	6.0 U	5.7 U	5.8 U	5.9 U	5.9 U	6.1 U	5.9 U
Aroclor-1221	1,000	4.1 U	4.1 U	3.9 U	3.9 U	4.0 U	4.0 U	4.2 U	4.0 U
Aroclor-1232	1,000	2.8 U	2.8 U	2.7 U	2.7 U	2.7 U	2.7 U	2.8 U	2.7 U
Aroclor-1242	1,000	3.6 U	3.6 U	3.4 U	3.4 U	3.5 U	3.5 U	3.6 U	3.5 U
Aroclor-1248	1,000	4.3 U	4.2 U	4.0 U	4.0 U	4.1 U	4.1 U	4.3 U	4.1 U
Aroclor-1254	1,000	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U
Aroclor-1260	1,000	3.4 U	3.4 U	3.2 U	3.3 U	3.3 U	3.3 U	3.5 U	3.3 U

Summary of PCBs in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-4

Sample ID Units PCBs	 TAGM RSCO	SS16 ug/Kg	SS17 ug/Kg	SS18 ug/Kg	SS19 ug/Kg	SS20 ug/Kg
Aroclor-1016	1,000	5.7 U	5.8 U	5.7 U	5.5 U	5.8 U
Aroclor-1221	1,000	3.9 U	3.9 U	3.9 U	3.7 U	3.9 U
Aroclor-1232	1,000	2.6 U	2.7 U	2.6 U	2.5 U	2.7 U
Aroclor-1242	1,000	3.4 U	3.4 U	3.4 U	3.3 U	3.4 U
Aroclor-1248	1,000	4.0 U	4.0 U	4.0 U	3.8 U	4.0 U
Aroclor-1254	1,000	1.5 U	1.5 U	1.5 U	1.4 U	1.5 U
Aroclor-1260	1,000	3.2 U	3.3 U	3.2 U	3.1 U	36

Summary of PCBs in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-4

Sample ID Units PCBs	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detections	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
Aroclor-1016	1,000	21	0	0%	0	0%	<5.5	<6.3
Aroclor-1221	1,000	21	0	0%	0	0%	<3.7	<4.3
Aroclor-1232	1,000	21	0	0%	0	0%	<2.5	<2.9
Aroclor-1242	1,000	21	0	0%	0	0%	<3.3	<3.7
Aroclor-1248	1,000	21	0	0%	0	0%	<3.8	<4.4
Aroclor-1254	1,000	21	0	0%	0	0%	<1.4	<1.6
Aroclor-1260	1,000	21	1	5%	0	0%	<3.1	36

Summary of Cyanide in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-5

Sample ID		SS01	SS02	SS03	SS04	SS05	SS06	SS07	SS08	SS09
Units	TAGM RSCO	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Cyanide	NC	0.605 U	0.589 U	0.571 U	0.571 U	0.557 U	0.572 U	0.54 U	0.548 U	0.598 U

Summary of Cyanide in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-5

Sample ID		SS10	SS21 SS-10 Duplicate	SS11	SS12	SS13	SS14	SS15	SS16
Units	TAGM RSCO	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Cyanide	NC	0.582 U	0.561 U	0.56 U	0.573 U	0.568 U	0.597 U	0.577 U	0.559 U

Summary of Cyanide in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-5

Sample ID		SS17	SS18	SS19	SS20
Units	TAGM RSCO	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Cyanide	NC	0.556 U	0.551 U	0.529 U	0.561 U

Summary of Cyanide in Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-5

Sample ID Units	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detection	Number of TAGM Exceedances	Frequency of Exceedences	Minimum Reported Concentration	Maximum Reported Concentration
Cyanide	NC	21	0	0%	0	0%	<0.529	<0.605

Summary of Volatile Organic Compounds in Background Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-6

Sample ID		BKRDSS01	BKRDSS02	BKRDSS03	BKRDSS04
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg
Volatile Organic Compounds	TAGM RSCO				
Dichlorodifluoromethane	NC	1.30 U	1.50 U	1.40 UJ	1.40 UJ
Chloromethane	NC	0.34 U	0.40 U	0.38 UJ	0.38 UJ
Vinyl Chloride	200	0.24 U	0.28 U	0.27 UJ	0.27 UJ
Bromomethane	NC	0.74 U	0.85 U	0.82 UJ	0.81 UJ
Chloroethane	1,900	0.55 U	0.63 U	0.61 UJ	0.60 UJ
Trichlorofluoromethane	NC	2.60 U	3.00 U	2.90 UJ	2.80 UJ
1,1,2-Trichlorotrifluoroethane	6,000	0.48 U	0.55 U	0.53 UJ	0.53 UJ
1,1-Dichloroethene	400	0.22 U	0.26 U	0.25 UJ	0.25 UJ
Acetone	200	7.80 U	9.00 U	8.70 UJ	8.60 UJ
Carbon Disulfide	2,700	0.11 U	0.12 U	0.12 UJ	0.12 UJ
Methyl tert-butyl Ether	120	0.24 U	0.28 U	0.27 UJ	0.26 UJ
Methyl Acetate	NC	1.30 U	1.50 U	1.50 UJ	1.50 UJ
Methylene Chloride	100	0.71 U	0.82 U	0.79 UJ	0.78 UJ
trans-1,2-Dichloroethene	300	0.39 U	0.45 U	0.43 UJ	0.43 UJ
1,1-Dichloroethane	200	0.37 U	0.43 U	0.41 UJ	0.41 UJ
Cyclohexane	NC	0.32 U	0.37 U	0.35 UJ	0.35 UJ
2-Butanone	300	2.40 U	2.70 U	2.60 UJ	2.60 UJ
Carbon Tetrachloride	600	0.31 U	0.36 U	0.35 UJ	0.34 UJ
cis-1,2-Dichloroethene	NC	0.37 U	0.42 U	0.41 UJ	0.40 UJ
Chloroform	300	0.25 U	0.29 U	0.28 UJ	0.27 UJ
1,1,1-Trichloroethane	800	0.28 U	0.33 U	0.32 UJ	0.31 UJ
Methylcyclohexane	NC	0.37 U	0.43 U	0.41 UJ	0.41 UJ
Benzene	60	0.21 U	0.24 U	0.23 UJ	0.23 UJ
1,2-Dichloroethane	200	3.20 U	3.70 U	3.60 UJ	3.50 UJ
Trichloroethene	700	0.33 U	0.39 U	0.37 UJ	0.37 UJ
1,2-Dichloropropane	NC	0.35 U	0.40 U	0.39 UJ	0.39 UJ
Bromodichloromethane	NC	0.35 U	0.40 U	0.39 UJ	0.38 UJ
4-Methyl-2-Pentanone	1,000	2.50 U	2.90 U	2.80 UJ	2.80 UJ

Summary of Volatile Organic Compounds in Background Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-6

Sample ID		BKRDSS01	BKRDSS02	BKRDSS03	BKRDSS04
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg
Volatile Organic Compounds	TAGM RSCO				
Toluene	1,500	0.27 U	0.31 U	0.30 UJ	1.60 J
t-1,3-Dichloropropene	NC	0.27 U	0.31 U	0.30 UJ	0.29 UJ
cis-1,3-Dichloropropene	NC	0.20 U	0.23 U	0.23 UJ	0.22 UJ
1,1,2-Trichloroethane	NC	0.53 U	0.61 U	0.59 UJ	0.58 UJ
2-Hexanone	NC	3.30 U	3.90 U	3.70 UJ	3.70 UJ
Dibromochloromethane	NA	0.30 U	0.35 U	0.34 UJ	0.33 UJ
1,2-Dibromoethane	NC	0.43 U	0.50 U	0.48 UJ	0.48 UJ
Tetrachloroethene	1,400	0.66 U	0.77 U	0.74 UJ	0.73 UJ
Chlorobenzene	1,700	0.37 U	0.42 U	0.41 UJ	0.40 UJ
Ethyl Benzene	5,500	0.26 U	0.30 U	0.29 UJ	0.29 UJ
m/p-Xylenes	1,200	0.54 U	0.62 U	0.60 UJ	0.59 UJ
o-Xylene	600	0.45 U	0.52 U	0.50 UJ	0.50 UJ
Styrene	NC	0.33 U	0.38 U	0.36 UJ	0.36 UJ
Bromoform	NC	0.31 U	0.36 U	0.35 UJ	0.34 UJ
Isopropylbenzene	2,300	0.39 U	0.45 U	0.43 UJ	0.43 UJ
1,1,2,2-Tetrachloroethane	600	0.55 U	0.64 U	0.62 UJ	0.61 UJ
1,3-Dichlorobenzene	1,600	0.22 U	0.25 U	0.25 UJ	0.24 UJ
1,4-Dichlorobenzene	8,500	0.37 U	0.42 U	0.41 UJ	0.40 UJ
1,2-Dichlorobenzene	7,900	0.43 U	0.49 U	0.48 UJ	0.47 UJ
1,2-Dibromo-3-Chloropropane	NC	0.71 U	0.82 U	0.79 UJ	0.78 UJ
1,2,4-Trichlorobenzene	3,400	0.26 U	0.30 U	0.29 UJ	0.29 UJ
Total Confident Conc. VOC	10,000	0	0	0	1.60

Summary of Volatile Organic Compounds in Background Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-6

Sample ID Units Volatile Organic Compounds	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detection	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
Dichlorodifluoromethane	NC	4	0	0.0%	0	0.0%	<1.30	<1.50
Chloromethane	NC	4	0	0.0%	0	0.0%	<0.34	<0.40
Vinyl Chloride	200	4	0	0.0%	0	0.0%	<0.24	<0.28
Bromomethane	NC	4	0	0.0%	0	0.0%	<0.74	<0.85
Chloroethane	1,900	4	0	0.0%	0	0.0%	<0.55	<0.63
Trichlorofluoromethane	NC	4	0	0.0%	0	0.0%	<2.60	<3.00
1,1,2-Trichlorotrifluoroethane	6,000	4	0	0.0%	0	0.0%	<0.48	<0.55
1,1-Dichloroethene	400	4	0	0.0%	0	0.0%	<0.22	<0.26
Acetone	200	4	0	0.0%	0	0.0%	<7.80	<9.00
Carbon Disulfide	2,700	4	0	0.0%	0	0.0%	<0.11	<0.12
Methyl tert-butyl Ether	120	4	0	0.0%	0	0.0%	<0.24	<0.28
Methyl Acetate	NC	4	0	0.0%	0	0.0%	<1.30	<1.50
Methylene Chloride	100	4	0	0.0%	0	0.0%	<0.71	<0.82
trans-1,2-Dichloroethene	300	4	0	0.0%	0	0.0%	<0.39	<0.45
1,1-Dichloroethane	200	4	0	0.0%	0	0.0%	<0.37	<0.43
Cyclohexane	NC	4	0	0.0%	0	0.0%	<0.32	<0.37
2-Butanone	300	4	0	0.0%	0	0.0%	<2.40	<2.70
Carbon Tetrachloride	600	4	0	0.0%	0	0.0%	<0.31	<0.36
cis-1,2-Dichloroethene	NC	4	0	0.0%	0	0.0%	<0.37	<0.42
Chloroform	300	4	0	0.0%	0	0.0%	<0.25	<0.29
1,1,1-Trichloroethane	800	4	0	0.0%	0	0.0%	<0.28	<0.33
Methylcyclohexane	NC	4	0	0.0%	0	0.0%	<0.37	<0.43
Benzene	60	4	0	0.0%	0	0.0%	<0.21	<0.24
1,2-Dichloroethane	200	4	0	0.0%	0	0.0%	<3.20	<3.70
Trichloroethene	700	4	0	0.0%	0	0.0%	<0.33	<0.39
1,2-Dichloropropane	NC	4	0	0.0%	0	0.0%	<0.35	<0.40
Bromodichloromethane	NC	4	0	0.0%	0	0.0%	<0.35	<0.40
4-Methyl-2-Pentanone	1,000	4	0	0.0%	0	0.0%	<2.50	<2.90

Summary of Volatile Organic Compounds in Background Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-6

Sample ID Units Volatile Organic Compounds	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detection	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
Toluene	1,500	4	1	25.0%	0	0.0%	<0.27	1.60
t-1,3-Dichloropropene	NC	4	0	0.0%	0	0.0%	<0.27	<0.31
cis-1,3-Dichloropropene	NC	4	0	0.0%	0	0.0%	<0.20	<0.23
1,1,2-Trichloroethane	NC	4	0	0.0%	0	0.0%	<0.53	<0.61
2-Hexanone	NC	4	0	0.0%	0	0.0%	<3.30	<3.90
Dibromochloromethane	NA	4	0	0.0%	0	0.0%	<0.30	<0.35
1,2-Dibromoethane	NC	4	0	0.0%	0	0.0%	<0.43	<0.50
Tetrachloroethene	1,400	4	0	0.0%	0	0.0%	<0.66	<0.77
Chlorobenzene	1,700	4	0	0.0%	0	0.0%	<0.37	<0.42
Ethyl Benzene	5,500	4	0	0.0%	0	0.0%	<0.26	<0.30
m/p-Xylenes	1,200	4	0	0.0%	0	0.0%	<0.54	<0.62
o-Xylene	600	4	0	0.0%	0	0.0%	<0.45	<0.52
Styrene	NC	4	0	0.0%	0	0.0%	<0.33	<0.38
Bromoform	NC	4	0	0.0%	0	0.0%	<0.31	<0.36
Isopropylbenzene	2,300	4	0	0.0%	0	0.0%	<0.39	<0.45
1,1,2,2-Tetrachloroethane	600	4	0	0.0%	0	0.0%	<0.55	<0.64
1,3-Dichlorobenzene	1,600	4	0	0.0%	0	0.0%	<0.22	<0.25
1,4-Dichlorobenzene	8,500	4	0	0.0%	0	0.0%	<0.37	<0.42
1,2-Dichlorobenzene	7,900	4	0	0.0%	0	0.0%	<0.43	<0.49
1,2-Dibromo-3-Chloropropane	NC	4	0	0.0%	0	0.0%	<0.71	<0.82
1,2,4-Trichlorobenzene	3,400	4	0	0.0%	0	0.0%	<0.26	<0.30
Total Confident Conc. VOC	10,000							

Summary of Semi-Volatile Organic Compounds in Background Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-7

Sample ID Matrix Units Semivolatile Organic Compounds	 TAGM RSCO	BKRDSS01 SOIL ug/Kg	BKRDSS02 SOIL ug/Kg	BKRDSS03 SOIL ug/Kg	BKRDSS04 SOIL ug/Kg
Benzaldehyde	NC	67 U	150 U	370 U	74 U
Phenol	30 or MDL	29 U	66 U	160 U	32 U
bis(2-Chloroethyl)ether	NC	34 U	78 U	190 U	37 U
2-Chlorophenol	800	30 U	68 U	160 U	33 U
2-Methylphenol	100 or MDL	43 U	99 U	240 U	48 U
2,2-oxybis(1-Chloropropane)	NC	37 U	85 U	210 U	41 U
Acetophenone	NC	36 U	82 U	200 U	40 U
3+4-Methylphenols	900	31 U	72 U	170 U	35 U
N-Nitroso-di-n-propylamine	NC	30 U	69 U	170 U	33 U
Hexachloroethane	NC	33 U	75 U	180 U	36 U
Nitrobenzene	200 or MDL	35 U	80 U	190 U	38 U
Isophorone	4,400	25 U	58 U	140 U	28 U
2-Nitrophenol	330 or MDL	28 U	63 U	150 U	30 U
2,4-Dimethylphenol	NC	37 U	85 U	210 U	41 U
bis(2-Chloroethoxy)methane	NC	31 U	72 U	170 U	34 U
2,4-Dichlorophenol	400	24 U	55 U	130 U	26 U
Naphthalene	13,000	130 J	350 J	750 J	270 J
4-Chloroaniline	220 or MDL	250 U	580 U	1400 U	280 U
Hexachlorobutadiene	NC	24 U	55 U	130 U	26 U
Caprolatam	NC	25 U	58 U	140 U	28 U
4-Chloro-3-methylphenol	240 or MDL	20 U	47 U	110 U	22 U
2-Methylnaphthalene	36,400	12 U	27 U	65 U	140 J
Hexachlorocyclopentadiene	NC	17 R	39 R	95 R	19 R
2,4,6-Trichlorophenol	NC	25 U	57 U	140 U	27 U
2,4,5-Trichlorophenol	100	45 U	100 U	250 U	50 U
1,1-Biphenyl	NC	20 U	47 U	110 U	22 U
2-Chloronaphthalene	NC	14 U	33 U	79 U	16 U
2-Nitroaniline	430 or MDL	25 U	57 U	140 U	27 U

Summary of Semi-Volatile Organic Compounds in Background Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-7

Sample ID Matrix Units Semivolatile Organic Compounds	 TAGM RSCO	BKRDSS01 SOIL ug/Kg	BKRDSS02 SOIL ug/Kg	BKRDSS03 SOIL ug/Kg	BKRDSS04 SOIL ug/Kg
Dimethylphthalate	2,000	16 U	38 U	91 U	18 U
Acenaphthylene	41,000	130 J	290 J	400 J	280 J
2,6-Dinitrotoluene	1,000	29 U	67 U	160 U	32 U
3-Nitroaniline	500 or MDL	110 U	250 U	610 U	120 U
Acenaphthene	50,000	110 J	290 J	84 U	250 J
2,4-Dinitrophenol	200 or MDL	30 R	69 R	170 R	33 R
4-Nitrophenol	100 or MDL	67 U	150 U	370 U	74 U
Dibenzofuran	6,200	81 J	180 J	120 U	180 J
2,4-Dinitrotoluene	1,000	14 U	31 U	76 U	15 U
Diethylphthalate	7,100	22 U	49 U	120 U	24 U
4-Chlorophenyl-phenylether	NC	17 U	39 U	94 U	19 U
Fluorene	50,000	140 J	300 J	110 U	310 J
4-Nitroaniline	NC	54 U	120 U	300 U	59 U
4,6-Dinitro-2-methylphenol	NC	40 R	91 R	220 R	44 R
N-Nitrosodiphenylamine	NC	17 U	40 U	96 U	19 U
4-Bromophenyl-phenylether	NC	18 U	41 U	100 U	20 U
Hexachlorobenzene	410	13 U	29 U	71 U	14 U
Atrazine	NC	21 U	48 U	120 U	23 U
Pentachlorophenol	1000 or MDL	21 U	49 U	120 U	24 U
Phenanthrene	50,000	2000	5200	8600	4100
Anthracene	50,000	400 J	1100 J	1800 J	840
Carbazole	NC	200 J	470 J	1200 J	400 J
Di-n-butylphthalate	8,100	9.1 U	21 U	50 U	150 J
Fluoranthene	50,000	2900 J	8500 J	17000 J	5600 J
Pyrene	50,000	2400	6400	13000	4600
Butylbenzylphthalate	50,000	23 U	53 U	130 U	530 J
3,3-Dichlorobenzidine	NA	110 U	250 U	610 U	120 U
Benzo(a)anthracene	224 or MDL	***1400***	***3600***	***6900***	***2900***

Summary of Semi-Volatile Organic Compounds in Background Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-7

Sample ID		BKRDSS01	BKRDSS02	BKRDSS03	BKRDSS04
Matrix		SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semivolatile Organic Compounds	TAGM RSCO				
Chrysene	400	***1300***	***3300***	***6900***	***2600***
bis(2-Ethylhexyl)phthalate	50,000	370 J	1600 J	87 U	1100
Di-n-octyl phthalate	50,000	16 U	38 U	91 U	18 U
Benzo(b)fluoranthene	1,100	***1200***	***3800***	***7100***	***3000***
Benzo(k)fluoranthene	1,100	690	***1400*** J	***3000*** J	***1500***
Benzo(a)pyrene	61 or MDL	***1100***	***3200***	***3500*** J	***2400***
Indeno(1,2,3-cd)pyrene	3,200	380 J	1100 J	1100 J	520 J
Dibenz(a,h)anthracene	14 or MDL	20 U	46 U	110 U	***88*** J
Benzo(g,h,i)perylene	50,000	420 J	1300 J	1800 J	720 J
Total Confident Conc. SVOC	500,000	15,351	42,380	73,050	32,478
Carcinogenic SVOCs in BaP Equivalents		1,417.9	4,097.0	5,109.0	3,083.0

Summary of Semi-Volatile Organic Compounds in Background Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-7

Sample ID Matrix Units Semivolatile Organic Compounds	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detection	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration
Benzaldehyde	NC	4	0	0.0%	0	0.0%	<67
Phenol	30 or MDL	4	0	0.0%	0	0.0%	<29
bis(2-Chloroethyl)ether	NC	4	0	0.0%	0	0.0%	<34
2-Chlorophenol	800	4	0	0.0%	0	0.0%	<30
2-Methylphenol	100 or MDL	4	0	0.0%	0	0.0%	<43
2,2-oxybis(1-Chloropropane)	NC	4	0	0.0%	0	0.0%	<37
Acetophenone	NC	4	0	0.0%	0	0.0%	<36
3+4-Methylphenols	900	4	0	0.0%	0	0.0%	<31
N-Nitroso-di-n-propylamine	NC	4	0	0.0%	0	0.0%	<30
Hexachloroethane	NC	4	0	0.0%	0	0.0%	<33
Nitrobenzene	200 or MDL	4	0	0.0%	0	0.0%	<35
Isophorone	4,400	4	0	0.0%	0	0.0%	<25
2-Nitrophenol	330 or MDL	4	0	0.0%	0	0.0%	<28
2,4-Dimethylphenol	NC	4	0	0.0%	0	0.0%	<37
bis(2-Chloroethoxy)methane	NC	4	0	0.0%	0	0.0%	<31
2,4-Dichlorophenol	400	4	0	0.0%	0	0.0%	<26
Naphthalene	13,000	4	0	0.0%	0	0.0%	<130
4-Chloroaniline	220 or MDL	4	0	0.0%	0	0.0%	<250
Hexachlorobutadiene	NC	4	0	0.0%	0	0.0%	<24
Caprolatam	NC	4	0	0.0%	0	0.0%	<25
4-Chloro-3-methylphenol	240 or MDL	4	0	0.0%	0	0.0%	<20
2-Methylnaphthalene	36,400	4	1	25.0%	0	0.0%	<12
Hexachlorocyclopentadiene	NC	4	0	0.0%	0	0.0%	-
2,4,6-Trichlorophenol	NC	4	0	0.0%	0	0.0%	<25
2,4,5-Trichlorophenol	100	4	0	0.0%	0	0.0%	<45
1,1-Biphenyl	NC	4	0	0.0%	0	0.0%	<20
2-Chloronaphthalene	NC	4	0	0.0%	0	0.0%	<14
2-Nitroaniline	430 or MDL	4	0	0.0%	0	0.0%	<25

Summary of Semi-Volatile Organic Compounds in Background Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-7

Sample ID Matrix Units Semivolatile Organic Compounds	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detection	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration
Dimethylphthalate	2,000	4	0	0.0%	0	0.0%	<16
Acenaphthylene	41,000	4	4	100.0%	0	0.0%	130
2,6-Dinitrotoluene	1,000	4	0	0.0%	0	0.0%	<29
3-Nitroaniline	500 or MDL	4	0	0.0%	0	0.0%	<110
Acenaphthene	50,000	4	3	75.0%	0	0.0%	<84
2,4-Dinitrophenol	200 or MDL	4	-	-	0	0.0%	-
4-Nitrophenol	100 or MDL	4	0	0.0%	0	0.0%	<67
Dibenzofuran	6,200	4	3	75.0%	0	0.0%	81
2,4-Dinitrotoluene	1,000	4	0	0.0%	0	0.0%	<14
Diethylphthalate	7,100	4	0	0.0%	0	0.0%	<22
4-Chlorophenyl-phenylether	NC	4	0	0.0%	0	0.0%	<17
Fluorene	50,000	4	3	75.0%	0	0.0%	<110
4-Nitroaniline	NC	4	0	0.0%	0	0.0%	<54
4,6-Dinitro-2-methylphenol	NC	4	-	-	0	0.0%	-
N-Nitrosodiphenylamine	NC	4	0	0.0%	0	0.0%	<17
4-Bromophenyl-phenylether	NC	4	0	0.0%	0	0.0%	<18
Hexachlorobenzene	410	4	0	0.0%	0	0.0%	<13
Atrazine	NC	4	0	0.0%	0	0.0%	<21
Pentachlorophenol	1000 or MDL	4	0	0.0%	0	0.0%	<21
Phenanthrene	50,000	4	4	100.0%	0	0.0%	2,000
Anthracene	50,000	4	4	100.0%	0	0.0%	400
Carbazole	NC	4	4	100.0%	0	0.0%	200
Di-n-butylphthalate	8,100	4	1	25.0%	0	0.0%	<9.1
Fluoranthene	50,000	4	4	100.0%	0	0.0%	2,900
Pyrene	50,000	4	4	100.0%	0	0.0%	2,400
Butylbenzylphthalate	50,000	4	1	25.0%	0	0.0%	<23
3,3-Dichlorobenzidine	NA	4	0	0.0%	0	0.0%	<110
Benzo(a)anthracene	224 or MDL	4	4	100.0%	4	100.0%	1,400

Summary of Semi-Volatile Organic Compounds in Background Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-7

Sample ID Matrix Units Semivolatile Organic Compounds	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detection	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration
Chrysene	400	4	4	100.0%	4	100.0%	1,300
bis(2-Ethylhexyl)phthalate	50,000	4	3	75.0%	0	0.0%	<87
Di-n-octyl phthalate	50,000	4	0	0.0%	0	0.0%	<16
Benzo(b)fluoranthene	1,100	4	4	100.0%	4	100.0%	1,200
Benzo(k)fluoranthene	1,100	4	4	100.0%	3	75.0%	690
Benzo(a)pyrene	61 or MDL	4	4	100.0%	4	100.0%	1,100
Indeno(1,2,3-cd)pyrene	3,200	4	4	100.0%	0	0.0%	<380
Dibenz(a,h)anthracene	14 or MDL	4	1	25.0%	1	25.0%	<20
Benzo(g,h,i)perylene	50,000	4	4	100.0%	0	0.0%	<420
Total Confident Conc. SVOC	500,000						
Carcinogenic SVOCs in BaP Equivalents							

Summary of Semi-Volatile Organic Compounds in Background Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-7

Sample ID Matrix Units Semivolatile Organic Compounds	TAGM RSCO	Maximum Reported Concentration
Benzaldehyde	NC	<370
Phenol	30 or MDL	<160
bis(2-Chloroethyl)ether	NC	<190
2-Chlorophenol	800	<160
2-Methylphenol	100 or MDL	<240
2,2-oxybis(1-Chloropropane)	NC	<210
Acetophenone	NC	<200
3+4-Methylphenols	900	<170
N-Nitroso-di-n-propylamine	NC	<170
Hexachloroethane	NC	<180
Nitrobenzene	200 or MDL	<190
Isophorone	4,400	<140
2-Nitrophenol	330 or MDL	<150
2,4-Dimethylphenol	NC	<210
bis(2-Chloroethoxy)methane	NC	<170
2,4-Dichlorophenol	400	<130
Naphthalene	13,000	<750
4-Chloroaniline	220 or MDL	<1400
Hexachlorobutadiene	NC	<130
Caprolatam	NC	<140
4-Chloro-3-methylphenol	240 or MDL	<110
2-Methylnaphthalene	36,400	140
Hexachlorocyclopentadiene	NC	-
2,4,6-Trichlorophenol	NC	<140
2,4,5-Trichlorophenol	100	<250
1,1-Biphenyl	NC	<110
2-Chloronaphthalene	NC	<79
2-Nitroaniline	430 or MDL	<140

Summary of Semi-Volatile Organic Compounds in Background Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-7

Sample ID Matrix Units Semivolatile Organic Compounds	TAGM RSCO	Maximum Reported Concentration
Dimethylphthalate	2,000	<91
Acenaphthylene	41,000	400
2,6-Dinitrotoluene	1,000	<160
3-Nitroaniline	500 or MDL	<610
Acenaphthene	50,000	290
2,4-Dinitrophenol	200 or MDL	-
4-Nitrophenol	100 or MDL	<370
Dibenzofuran	6,200	180
2,4-Dinitrotoluene	1,000	<76
Diethylphthalate	7,100	<120
4-Chlorophenyl-phenylether	NC	<94
Fluorene	50,000	310
4-Nitroaniline	NC	<300
4,6-Dinitro-2-methylphenol	NC	-
N-Nitrosodiphenylamine	NC	<96
4-Bromophenyl-phenylether	NC	<100
Hexachlorobenzene	410	<71
Atrazine	NC	<120
Pentachlorophenol	1000 or MDL	<120
Phenanthrene	50,000	8,600
Anthracene	50,000	1,800
Carbazole	NC	1,200
Di-n-butylphthalate	8,100	150
Fluoranthene	50,000	17,000
Pyrene	50,000	13,000
Butylbenzylphthalate	50,000	530
3,3-Dichlorobenzidine	NA	<610
Benzo(a)anthracene	224 or MDL	6,900

Summary of Semi-Volatile Organic Compounds in Background Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-7

Sample ID Matrix Units Semivolatile Organic Compounds	TAGM RSCO	Maximum Reported Concentration
Chrysene	400	6,900
bis(2-Ethylhexyl)phthalate	50,000	1,600
Di-n-octyl phthalate	50,000	<91
Benzo(b)fluoranthene	1,100	7,100
Benzo(k)fluoranthene	1,100	3,000
Benzo(a)pyrene	61 or MDL	3,500
Indeno(1,2,3-cd)pyrene	3,200	1,100
Dibenz(a,h)anthracene	14 or MDL	<110
Benzo(g,h,i)perylene	50,000	1,800
Total Confident Conc. SVOC	500,000	
Carcinogenic SVOCs in BaP Equivalents		

Summary of Metals in Background Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-8

Sample ID		BKRDSS01	BKRDSS02	BKRDSS03	BKRDSS04
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg
RCRA Metals Compound (mg/Kg)	TAGM RSCO				
Arsenic	12	10.2	10.4	***16.4***	***27.9***
Barium	600	135	125	425	311
Cadmium	1	0.718	***1.170***	***2.110***	***2.010***
Chromium	40	11.9	16.9	22.2	***40.9***
Lead	500	95.4	76.0	433	278
Mercury	0.1	***0.27***	***0.30***	***0.98***	***0.69***
Selenium	3.9	0.325 U	0.376 U	0.471 J	0.866 J
Silver	SB	0.511 J	2.630	1.360	0.623 J

Summary of Metals in Background Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-8

Sample ID Units RCRA Metals Compound (mg/Kg)	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detections	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
Arsenic	12	4	4	100%	2	50%	10.2	27.9
Barium	600	4	4	100%	0	0%	125	425
Cadmium	1	4	4	100%	3	75%	0.718	2.110
Chromium	40	4	4	100%	1	25%	11.9	40.9
Lead	500	4	4	100%	0	0%	76	433
Mercury	0.1	4	4	100%	4	100%	0.270	0.98
Selenium	3.9	4	2	50%	0	0%	<0.325	0.866
Silver	SB	4	4	100%	0	0%	0.511	2.630

Summary of PCBs in Background Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-9

Sample ID		BKRDSS01	BKRDSS02	BKRDSS03	BKRDSS04
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg
PCBs	TAGM RSCO				
Aroclor-1016	1,000	5.4 U	6.2 U	6.0 U	6.0 U
Aroclor-1221	1,000	3.6 U	4.2 U	4.1 U	4.1 U
Aroclor-1232	1,000	2.5 U	2.9 U	2.8 U	2.8 U
Aroclor-1242	1,000	3.2 U	3.7 U	3.6 U	3.5 U
Aroclor-1248	1,000	3.8 U	4.3 U	4.2 U	4.2 U
Aroclor-1254	1,000	1.4 U	1.6 U	1.6 U	1.5 U
Aroclor-1260	1,000	3.0 U	3.5 U	3.4 U	3.4 U

Summary of PCBs in Background Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-9

Sample ID Units PCBs	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detection	Number of TAGM Exceedances	Frequency of Exceedences	Minimum Reported Concentration	Maximum Reported Concentration
Aroclor-1016	1,000	4	0	0%	0	0%	<0.54	<6.2
Aroclor-1221	1,000	4	0	0%	0	0%	<3.6	<4.2
Aroclor-1232	1,000	4	0	0%	0	0%	<2.5	<2.9
Aroclor-1242	1,000	4	0	0%	0	0%	<3.2	<3.7
Aroclor-1248	1,000	4	0	0%	0	0%	<3.8	<4.3
Aroclor-1254	1,000	4	0	0%	0	0%	<1.4	<1.6
Aroclor-1260	1,000	4	0	0%	0	0%	<3.0	<3.5

Summary of Cyanide in Background Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-10

Sample ID		BKRDSS01	BKRDSS02	BKRDSS03	BKRDSS04
Units	TAGM RSCO	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Cyanide	NC	0.52 U	0.6 U	0.584 U	0.573 U

Summary of Cyanide in Background Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-10

Sample ID Units	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detection	Number of TAGM Exceedances	Frequency of Exceedences	Minimum Reported Concentration
Cyanide	NC	4	0	0%	0	0%	<0.52

Summary of Cyanide in Background Surface Soil Samples from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-10

Sample ID Units	TAGM RSCO	Maximum Reported Concentration
Cyanide	NC	<0.6

Summary of Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-11

Sample ID		B04-57	B04-911	B5-35	B5-79	B5-1719	B6-34
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Volatile Organic Compounds (ug/Kg)	TAGM RSCO						
Dichlorodifluoromethane	NC	1.4 U	6.9 U	15 U	16 U	1.6 U	1.4 U
Chloromethane	NC	0.36 U	1.8 U	4.1 U	4.4 U	0.42 U	0.38 U
Vinyl Chloride	200	0.26 U	1.3 U	2.9 U	3.1 U	0.30 U	0.27 U
Bromomethane	NC	0.78 U	3.9 U	8.8 U	9.3 U	0.90 U	0.80 U
Chloroethane	1,900	0.58 U	2.9 U	6.6 U	6.9 U	0.66 U	0.60 U
Trichlorofluoromethane	NC	2.7 U	14 U	31 U	32 U	3.1 U	2.8 U
1,1,2-Trichlorotrifluoroethane	6,000	0.5 U	2.6 U	5.7 U	6 U	0.58 U	0.52 U
1,1-Dichloroethene	400	0.24 U	1.2 U	2.7 U	2.8 U	0.27 U	0.24 U
Acetone	200	8.2 U	41 J	93 U	98 J	9.4 U	100 J
Carbon Disulfide	2,700	3.0 J	19 J	200 J	40 J	0.13 U	2.4 J
Methyl tert-butyl Ether	120	0.25 U	1.3 U	2.9 U	3.0 U	0.29 U	0.26 U
Methyl Acetate	NC	1.4 U	7.1 U	16 U	17 U	1.6 U	1.4 U
Methylene Chloride	100	0.75 U	3.8 U	8.5 U	8.9 U	0.86 U	0.77 U
trans-1,2-Dichloroethene	300	0.41 U	2.1 U	4.6 U	4.9 U	0.47 U	0.42 U
1,1-Dichloroethane	200	0.39 U	2.0 U	4.4 U	4.6 U	0.45 U	0.40 U
Cyclohexane	NC	0.34 U	1.7 U	3.8 U	4.0 U	0.39 U	0.35 U
2-Butanone	300	2.5 U	13 U	28 U	30 U	2.9 U	15 J
Carbon Tetrachloride	600	0.33 U	1.7 U	3.7 U	3.9 U	0.38 U	0.34 U
cis-1,2-Dichloroethene	NC	0.39 U	2.0 U	4.4 U	4.6 U	0.45 U	0.40 U
Chloroform	300	0.26 U	1.3 U	3.0 U	3.1 U	0.30 U	0.27 U
1,1,1-Trichloroethane	800	0.30 U	1.5 U	3.4 U	3.6 U	0.34 U	0.31 U
Methylcyclohexane	NC	0.39 U	20 J	4.4 U	110 J	0.45 U	0.4 U
Benzene	60	3.9 J	29	***480***	***470***	***64***	0.23 U
1,2-Dichloroethane	200	3.4 U	17 U	38 U	41 U	3.9 U	3.5 U
Trichloroethene	700	0.35 U	1.8 U	4.0 U	4.2 U	0.41 U	0.36 U
1,2-Dichloropropane	NC	0.37 U	1.9 U	4.2 U	4.4 U	0.42 U	0.38 U
Bromodichloromethane	NC	0.37 U	1.8 U	4.2 U	4.4 U	0.42 U	0.38 U
4-Methyl-2-Pentanone	1,000	2.6 U	13 U	30 U	32 U	3.0 U	2.7 U
Toluene	1,500	2.9 J	12 J	660	470	0.33 U	0.29 U

Summary of Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-11

Sample ID		B04-57	B04-911	B5-35	B5-79	B5-1719	B6-34
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Volatile Organic Compounds (ug/Kg)	TAGM RSCO						
t-1,3-Dichloropropene	NC	0.28 U	1.4 U	3.2 U	3.4 U	0.32 U	0.29 U
cis-1,3-Dichloropropene	NC	0.21 U	1.1 U	2.4 U	2.6 U	0.25 U	0.22 U
1,1,2-Trichloroethane	NC	0.56 U	2.8 U	6.3 U	6.7 U	0.64 U	0.57 U
2-Hexanone	NC	3.5 U	18 U	40 U	42 U	4.0 U	3.6 U
Dibromochloromethane	NA	0.32 U	1.6 U	3.6 U	3.8 U	0.37 U	0.33 U
1,2-Dibromoethane	NC	0.46 U	2.3 U	5.2 U	5.5 U	0.53 U	0.47 U
Tetrachloroethene	1,400	0.70 U	3.5 U	7.9 U	8.4 U	0.80 U	0.72 U
Chlorobenzene	1,700	0.39 U	2.0 U	4.4 U	4.6 U	0.45 U	0.40 U
Ethyl Benzene	5,500	0.27 U	39	***7100***	***67000***	220	2.4 J
m/p-Xylenes	1,200	0.56 U	18 J	***3000***	***7100***	17	1.5 J
o-Xylene	600	0.47 U	2.4 U	***2300***	***3800***	15	0.49 U
Styrene	NC	0.34 U	1.7 U	260	1120	0.4 U	0.36 U
Bromoform	NC	0.33 U	1.7 U	3.7 U	3.9 U	0.38 U	0.34 U
Isopropylbenzene	2,300	0.41 U	260	2300	***13000***	81	0.42 U
1,1,2,2-Tetrachloroethane	600	0.58 U	2.9 U	6.6 U	7.0 U	0.67 U	0.60 U
1,3-Dichlorobenzene	1,600	0.23 U	1.2 U	2.6 U	2.8 U	0.27 U	0.24 U
1,4-Dichlorobenzene	8,500	0.39 U	2.0 U	4.4 U	4.6 U	0.44 U	0.40 U
1,2-Dichlorobenzene	7,900	0.45 U	2.3 U	5.1 U	5.4 U	0.52 U	0.46 U
1,2-Dibromo-3-Chloropropane	NC	0.74 U	3.8 U	8.5 U	8.9 U	0.86 U	0.77 U
1,2,4-Trichlorobenzene	3,400	0.27 U	1.4 U	3.1 U	3.3 U	0.32 U	0.28 U
Total Confident Conc. VOC	10,000	9.8	438	***16,300***	***93,208***	397	121.3

Summary of Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-11

Sample ID		B07-57	B07-1517	B08-57	B08-1214	B10-45	B10-911
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Volatile Organic Compounds (ug/Kg)	TAGM RSCO						
Dichlorodifluoromethane	NC	1.3 U	1.7 UJ	1.5 U	20 U	1.5 U	72 U
Chloromethane	NC	0.36 U	0.46 UJ	0.40 U	5.3 U	0.39 U	150 U
Vinyl Chloride	200	0.25 U	0.33 UJ	0.29 U	3.8 U	0.28 U	58 U
Bromomethane	NC	0.76 U	0.98 UJ	0.86 U	11 U	0.83 U	170 U
Chloroethane	1,900	0.56 U	0.73 UJ	0.64 U	8.5 U	0.62 U	190 U
Trichlorofluoromethane	NC	2.6 U	3.4 UJ	3.0 U	40 U	2.9 U	120 U
1,1,2-Trichlorotrifluoroethane	6,000	0.49 U	0.64 UJ	0.56 U	7.4 U	0.54 U	150 U
1,1-Dichloroethene	400	0.23 U	0.30 UJ	0.26 U	3.5 U	0.25 U	69 U
Acetone	200	8.0 U	10 UJ	9.1 U	120 U	***1100*** J	710 U
Carbon Disulfide	2,700	0.11 U	0.14 UJ	0.12 U	1.6 U	7.3 J	84 U
Methyl tert-butyl Ether	120	0.25 U	0.32 UJ	0.28 U	3.7 U	0.27 U	77 U
Methyl Acetate	NC	1.4 U	1.8 UJ	1.6 U	21 U	1.5 U	180 U
Methylene Chloride	100	0.73 U	0.94 UJ	0.83 U	11 U	5.7 UJ	130 U
trans-1,2-Dichloroethene	300	0.40 U	0.52 UJ	0.45 U	6.0 U	0.44 U	110 U
1,1-Dichloroethane	200	0.38 U	0.49 UJ	0.43 U	5.7 U	0.42 U	46 U
Cyclohexane	NC	0.33 U	0.42 UJ	0.37 U	100 J	0.36 U	79 U
2-Butanone	300	2.4 U	3.2 UJ	2.8 U	37 U	2.7 U	610 U
Carbon Tetrachloride	600	0.32 U	0.41 UJ	0.36 U	4.8 U	0.35 U	100 U
cis-1,2-Dichloroethene	NC	0.38 U	0.49 UJ	0.43 U	5.7 U	0.41 U	170 U
Chloroform	300	0.25 U	0.33 UJ	0.29 U	3.8 U	0.28 U	120 U
1,1,1-Trichloroethane	800	0.29 U	0.38 UJ	0.33 U	4.4 U	0.32 U	88 U
Methylcyclohexane	NC	0.38 U	0.49 UJ	0.43 U	5.7 J	0.42 U	1500
Benzene	60	0.22 U	0.28 UJ	0.25 U	***130***	***140*** J	***6000***
1,2-Dichloroethane	200	3.3 U	4.3 UJ	3.8 U	50 U	3.6 U	69 U
Trichloroethene	700	0.34 U	0.44 UJ	0.39 U	5.2 U	0.38 U	140 U
1,2-Dichloropropane	NC	0.36 U	0.47 UJ	0.41 U	5.4 U	0.39 U	68 U
Bromodichloromethane	NC	0.36 U	0.46 UJ	0.41 U	5.4 U	0.39 U	75 U
4-Methyl-2-Pentanone	1,000	2.6 U	3.3 UJ	2.9 U	39 U	2.8 U	280 U
Toluene	1,500	0.28 U	0.36 UJ	0.32 U	4.2 U	510 J	83 U

Summary of Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-11

Sample ID		B07-57	B07-1517	B08-57	B08-1214	B10-45	B10-911
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Volatile Organic Compounds (ug/Kg)	TAGM RSCO						
t-1,3-Dichloropropene	NC	0.28 U	0.36 UJ	0.31 U	4.1 U	0.30 U	92 U
cis-1,3-Dichloropropene	NC	0.21 U	0.27 UJ	0.24 U	3.1 U	0.23 U	33 U
1,1,2-Trichloroethane	NC	0.54 U	0.70 UJ	0.62 U	8.2 U	0.60 U	110 U
2-Hexanone	NC	3.4 U	4.4 UJ	3.9 U	52 U	3.8 U	140 U
Dibromochloromethane	NA	0.31 U	0.40 UJ	0.35 U	4.7 U	0.34 U	81 U
1,2-Dibromoethane	NC	0.45 U	0.58 UJ	0.51 U	6.7 U	0.49 U	140 U
Tetrachloroethene	1,400	0.68 U	0.88 UJ	0.77 U	10 U	1.5 J	71 U
Chlorobenzene	1,700	0.38 U	0.49 UJ	0.43 U	5.7 U	0.41 U	79 U
Ethyl Benzene	5,500	0.27 U	0.35 UJ	0.30 U	4.0 U	500 J	***140000*** D
m/p-Xylenes	1,200	0.55 U	0.71 UJ	0.63 U	8.3 U	780 J	***1900*** J
o-Xylene	600	0.46 U	0.60 UJ	0.53 U	7.0 U	460 J	***1200***
Styrene	NC	0.34 U	0.43 UJ	0.38 U	5.0 U	170 J	74 U
Bromoform	NC	0.32 U	0.42 UJ	0.36 U	4.8 U	0.35 U	54 U
Isopropylbenzene	2,300	0.40 U	0.51 UJ	0.45 U	***5200***	0.44 R	***6100***
1,1,2,2-Tetrachloroethane	600	0.57 U	0.73 UJ	0.65 U	8.5 U	0.62 R	110 U
1,3-Dichlorobenzene	1,600	0.23 U	0.29 UJ	0.26 U	3.4 U	0.25 R	80 U
1,4-Dichlorobenzene	8,500	0.38 U	0.49 UJ	0.43 U	5.7 U	0.41 R	83 U
1,2-Dichlorobenzene	7,900	0.44 U	0.57 UJ	0.50 U	6.6 U	0.48 R	79 U
1,2-Dibromo-3-Chloropropane	NC	0.73 U	0.94 UJ	0.83 U	11 U	0.80 R	200 U
1,2,4-Trichlorobenzene	3,400	0.27 U	0.35 UJ	0.30 U	4.0 U	0.29 R	62 U
Total Confident Conc. VOC	10,000	-	-	-	5,436	3668.8	***156,700***

Summary of Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-11

Sample ID		B11-23	B11-810	B60-810	B11-1820	B11-2628
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg Duplicate	ug/Kg	ug/Kg
Volatile Organic Compounds (ug/Kg)	TAGM RSCO					
Dichlorodifluoromethane	NC	1.5 UJ	3.0 UJ	52 UJ	63 UJ	1.9 UJ
Chloromethane	NC	0.39 UJ	0.82 UJ	160 J	190 J	0.50 UJ
Vinyl Chloride	200	0.28 UJ	0.58 UJ	41 UJ	51 UJ	0.36 UJ
Bromomethane	NC	0.83 UJ	1.7 UJ	120 UJ	150 UJ	1.1 UJ
Chloroethane	1,900	0.62 UJ	1.3 UJ	140 UJ	170 UJ	0.80 UJ
Trichlorofluoromethane	NC	2.9 UJ	6.1 UJ	89 UJ	110 UJ	3.7 UJ
1,1,2-Trichlorotrifluoroethane	6,000	0.54 UJ	1.1 UJ	110 UJ	130 UJ	0.70 UJ
1,1-Dichloroethene	400	0.25 UJ	0.53 UJ	50 UJ	61 UJ	0.33 UJ
Acetone	200	8.8 UJ	120 UJ	510 UJ	630 UJ	120 UJ
Carbon Disulfide	2,700	0.12 UJ	0.25 UJ	60 UJ	74 UJ	0.15 UJ
Methyl tert-butyl Ether	120	0.27 UJ	0.57 UJ	55 UJ	68 UJ	0.35 UJ
Methyl Acetate	NC	1.5 UJ	3.1 UJ	130 UJ	160 UJ	1.9 UJ
Methylene Chloride	100	0.80 UJ	1.7 UJ	96 UJ	120 UJ	2.8 J
trans-1,2-Dichloroethene	300	0.44 UJ	0.92 UJ	79 UJ	97 UJ	0.56 UJ
1,1-Dichloroethane	200	0.42 UJ	0.87 UJ	33 UJ	41 UJ	0.53 UJ
Cyclohexane	NC	3.2 J	110	57 UJ	500 J	0.46 UJ
2-Butanone	300	2.7 UJ	5.6 UJ	440 UJ	540 UJ	3.4 UJ
Carbon Tetrachloride	600	0.35 UJ	0.74 UJ	73 UJ	89 UJ	0.45 UJ
cis-1,2-Dichloroethene	NC	0.41 UJ	0.87 UJ	120 UJ	150 UJ	0.53 UJ
Chloroform	300	0.28 UJ	0.59 UJ	89 UJ	110 UJ	0.36 UJ
1,1,1-Trichloroethane	800	0.32 UJ	0.67 UJ	63 UJ	77 UJ	0.41 UJ
Methylcyclohexane	NC	0.42 UJ	0.88 UJ	89 UJ	110 UJ	0.54 UJ
Benzene	60	0.24 UJ	***220*** J	***210*** J	***8800*** J	27 J
1,2-Dichloroethane	200	3.6 UJ	7.6 UJ	49 UJ	61 UJ	4.7 UJ
Trichloroethene	700	0.38 UJ	0.79 UJ	100 UJ	130 UJ	0.48 UJ
1,2-Dichloropropane	NC	0.39 UJ	0.83 UJ	49 UJ	60 UJ	0.51 UJ
Bromodichloromethane	NC	0.39 UJ	0.82 UJ	54 UJ	66 UJ	0.50 UJ
4-Methyl-2-Pentanone	1,000	2.8 UJ	5.9 UJ	200 UJ	250 UJ	3.6 UJ
Toluene	1,500	0.30 UJ	26 J	60 UJ	***9600*** J	24 J

Summary of Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-11

Sample ID		B11-23	B11-810	B60-810	B11-1820	B11-2628
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg Duplicate	ug/Kg	ug/Kg
Volatile Organic Compounds (ug/Kg)	TAGM RSCO					
t-1,3-Dichloropropene	NC	0.30 UJ	0.63 UJ	66 UJ	80 UJ	0.39 UJ
cis-1,3-Dichloropropene	NC	0.23 UJ	0.48 UJ	23 UJ	29 UJ	0.29 UJ
1,1,2-Trichloroethane	NC	0.60 UJ	1.2 UJ	80 UJ	98 UJ	0.77 UJ
2-Hexanone	NC	3.8 UJ	7.9 UJ	100 UJ	120 UJ	4.8 UJ
Dibromochloromethane	NA	0.34 UJ	0.72 UJ	58 UJ	72 UJ	0.44 UJ
1,2-Dibromoethane	NC	0.49 UJ	1.0 UJ	98 UJ	120 UJ	0.63 UJ
Tetrachloroethene	1,400	0.75 UJ	1.6 UJ	51 UJ	63 UJ	0.96 UJ
Chlorobenzene	1,700	0.41 UJ	0.87 UJ	57 UJ	70 UJ	0.53 UJ
Ethyl Benzene	5,500	0.29 UJ	2400 J	***6900*** J	***30000*** J	74 J
m/p-Xylenes	1,200	0.60 UJ	1.3 UJ	390 J	***24000*** J	79 J
o-Xylene	600	0.51 UJ	130 J	***700*** J	***11000*** J	46 J
Styrene	NC	0.37 UJ	0.77 UJ	53 UJ	65 UJ	0.47 UJ
Bromoform	NC	0.35 UJ	0.74 UJ	39 UJ	48 UJ	0.45 UJ
Isopropylbenzene	2,300	0.44 UJ	1800 J	***5100*** J	***5800*** J	18 J
1,1,2,2-Tetrachloroethane	600	0.62 UJ	1.3 UJ	76 UJ	94 UJ	0.80 UJ
1,3-Dichlorobenzene	1,600	0.25 UJ	0.52 UJ	57 UJ	70 UJ	0.32 UJ
1,4-Dichlorobenzene	8,500	0.41 UJ	0.87 UJ	60 UJ	73 UJ	0.53 UJ
1,2-Dichlorobenzene	7,900	0.48 UJ	1.0 UJ	56 UJ	69 UJ	0.62 UJ
1,2-Dibromo-3-Chloropropane	NC	0.80 UJ	1.7 R	140 UJ	180 UJ	1.0 R
1,2,4-Trichlorobenzene	3,400	0.29 UJ	0.62 UJ	44 UJ	54 UJ	0.38 UJ
Total Confident Conc. VOC	10,000	3.2	4,686	***13,460***	***89,890***	270.8

Summary of Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-11

Sample ID		B12-34	B12-79	B12-2123	B13-57	B14-810	B14-1416
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Volatile Organic Compounds (ug/Kg)	TAGM RSCO						
Dichlorodifluoromethane	NC	1.4 U	56 U	3700 U	1.3 U	8.6 U	1.6 U
Chloromethane	NC	0.37 U	110 U	7600 U	0.35 U	2.3 U	0.42 U
Vinyl Chloride	200	0.26 U	44 U	3000 U	0.25 U	1.6 U	0.30 U
Bromomethane	NC	0.80 U	130 U	8700 U	0.75 U	4.9 U	0.91 U
Chloroethane	1,900	0.59 U	150 U	9900 U	0.56 U	3.6 U	0.67 U
Trichlorofluoromethane	NC	2.8 U	96 U	6400 U	2.6 U	17 U	3.2 U
1,1,2-Trichlorotrifluoroethane	6,000	0.52 U	120 U	7700 U	0.49 U	3.2 U	0.59 U
1,1-Dichloroethene	400	0.24 U	54 U	3600 U	0.23 U	1.5 U	0.28 U
Acetone	200	8.4 U	550 U	37000 U	7.9 U	52 U	9.6 U
Carbon Disulfide	2,700	0.11 U	65 U	4400 U	0.11 U	50 J	1.5 J
Methyl tert-butyl Ether	120	0.26 U	60 U	4000 U	0.24 U	1.6 U	0.29 U
Methyl Acetate	NC	1.4 U	140 U	9300 U	1.4 U	8.9 U	1.6 U
Methylene Chloride	100	0.76 U	100 U	6900 U	0.72 U	4.7 U	0.87 U
trans-1,2-Dichloroethene	300	0.42 U	86 U	5700 U	0.39 U	2.6 U	0.48 U
1,1-Dichloroethane	200	0.40 U	36 U	2400 U	0.38 U	2.5 U	0.45 U
Cyclohexane	NC	0.34 U	61 U	4100 U	0.32 U	2.1 U	0.39 U
2-Butanone	300	2.6 U	470 U	32000 U	2.4 U	16 U	2.9 U
Carbon Tetrachloride	600	0.33 U	78 U	5200 U	0.32 U	2.1 U	0.38 U
cis-1,2-Dichloroethene	NC	0.40 U	130 U	8600 U	0.37 U	2.4 U	0.45 U
Chloroform	300	0.27 U	96 U	6400 U	0.25 U	1.6 U	0.30 U
1,1,1-Trichloroethane	800	0.30 U	68 U	4600 U	0.29 U	1.9 U	0.35 U
Methylcyclohexane	NC	0.4 U	3100	57000	0.38 U	2.3 U	0.46 U
Benzene	60	8.5	40 U	***210000***	0.21 U	43	0.26 U
1,2-Dichloroethane	200	3.5 U	53 U	3600 U	3.3 U	21 U	3.9 U
Trichloroethene	700	0.36 U	110 U	7500 U	0.34 U	2.2 U	0.41 U
1,2-Dichloropropane	NC	0.38 U	53 U	3500 U	0.36 U	2.3 U	0.43 U
Bromodichloromethane	NC	0.37 U	58 U	3900 U	0.35 U	2.3 U	0.43 U
4-Methyl-2-Pentanone	1,000	2.7 U	220 U	15000 U	2.6 U	17 U	3.1 U
Toluene	1,500	9.9	64 U	***97000***	0.28 U	22 J	0.33 U

Summary of Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-11

Sample ID		B12-34	B12-79	B12-2123	B13-57	B14-810	B14-1416
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Volatile Organic Compounds (ug/Kg)	TAGM RSCO						
t-1,3-Dichloropropene	NC	0.29 U	71 U	4700 U	0.27 U	1.8 U	0.33 U
cis-1,3-Dichloropropene	NC	0.22 U	25 U	1700 U	0.21 U	1.3 U	0.25 U
1,1,2-Trichloroethane	NC	0.57 U	86 U	5800 U	0.54 U	3.5 U	0.65 U
2-Hexanone	NC	3.6 U	110 U	7400 U	3.4 U	22 U	4.1 U
Dibromochloromethane	NA	0.33 U	63 U	4200 U	0.31 U	2.0 U	0.37 U
1,2-Dibromoethane	NC	0.47 U	110 U	7100 U	0.44 U	2.9 U	0.53 U
Tetrachloroethene	1,400	0.71 U	55 U	3700 U	0.68 U	4.4 U	0.81 U
Chlorobenzene	1,700	0.40 U	61 U	4100 U	0.37 U	2.4 U	0.45 U
Ethyl Benzene	5,500	4.2 J	***13000***	***1300000***	0.26 U	1.7 U	0.32 U
m/p-Xylenes	1,200	7.9	790 J	***1200000***	0.55 U	3.6 U	0.66 U
o-Xylene	600	2.0 J	***1100***	***560000***	0.46 U	26 J	0.55 U
Styrene	NC	4.3 J	57 U	3800 U	0.33 U	2.2 U	0.40 U
Bromoform	NC	0.34 U	42 U	2800 U	0.32 U	2.1 U	0.38 U
Isopropylbenzene	2,300	0.42 U	***4200***	***120000***	0.39 U	640	0.47 U
1,1,2,2-Tetrachloroethane	600	0.59 U	83 U	5500 U	0.56 U	3.7 U	0.68 U
1,3-Dichlorobenzene	1,600	0.24 U	62 U	4200 U	0.22 U	1.5 U	0.27 U
1,4-Dichlorobenzene	8,500	0.39 U	64 U	4300 U	0.37 U	2.4 U	0.45 U
1,2-Dichlorobenzene	7,900	0.46 U	61 U	4100 U	0.44 U	2.8 U	0.52 U
1,2-Dibromo-3-Chloropropane	NC	0.76 U	160 U	10000 U	0.72 U	4.7 U	0.87 U
1,2,4-Trichlorobenzene	3,400	0.28 U	48 U	3200 U	0.27 U	1.7 U	0.32 U
Total Confident Conc. VOC	10,000	36.8	***22,190***	***3,544,000***	-	781	1.5

Summary of Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-11

Sample ID		B15-810	B15-1416	B61-1416	B16-57	B16-1719	B16-1921
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg Duplicate	ug/Kg	ug/Kg	ug/Kg
Volatile Organic Compounds (ug/Kg)	TAGM RSCO						
Dichlorodifluoromethane	NC	1.5 U	1.7 U	1.6 U	1.5 U	2.0 U	2.3 U
Chloromethane	NC	0.39 U	0.47 U	0.43 U	0.39 U	0.54 U	0.62 U
Vinyl Chloride	200	0.28 U	0.33 U	0.31 U	0.28 U	0.39 U	0.44 U
Bromomethane	NC	0.83 U	1.0 U	0.92 U	0.84 U	1.2 U	1.3 U
Chloroethane	1,900	0.62 U	0.74 U	0.68 U	0.62 U	0.86 U	0.99 U
Trichlorofluoromethane	NC	2.9 U	3.5 U	3.2 U	2.9 U	4.0 U	4.6 U
1,1,2-Trichlorotrifluoroethane	6,000	0.54 U	0.65 U	0.60 U	0.55 U	0.75 U	0.87 U
1,1-Dichloroethene	400	0.25 U	0.30 U	0.28 U	0.26 U	0.35 U	0.41 U
Acetone	200	8.8 U	11 U	9.7 U	58 J	78	130 J
Carbon Disulfide	2,700	0.12 U	0.14 U	0.13 U	2.7 J	0.17 J	2.3 J
Methyl tert-butyl Ether	120	0.27 U	0.32 U	0.30 U	0.27 U	0.38 U	0.43 U
Methyl Acetate	NC	1.5 U	1.8 U	1.7 U	1.5 U	2.1 U	2.4 U
Methylene Chloride	100	0.80 U	0.96 U	0.88 U	6.3 U	7.6 J	14 J
trans-1,2-Dichloroethene	300	0.44 U	0.52 U	0.48 U	0.44 U	0.61 U	0.70 U
1,1-Dichloroethane	200	0.42 U	0.50 U	0.46 U	0.42 U	0.58 U	0.67 U
Cyclohexane	NC	0.36 U	0.43 U	0.40 U	0.36 U	0.50 U	3.0 J
2-Butanone	300	2.7 U	3.2 U	3.0 U	2.7 U	12 J	28 J
Carbon Tetrachloride	600	0.35 U	0.42 U	0.39 U	0.35 U	0.49 U	0.56 U
cis-1,2-Dichloroethene	NC	0.41 U	0.50 U	0.46 U	0.42 U	0.58 U	0.66 U
Chloroform	300	0.28 U	0.33 U	0.31 U	0.28 U	0.39 U	0.45 U
1,1,1-Trichloroethane	800	0.32 U	0.38 U	0.35 U	0.32 U	0.44 U	0.51 U
Methylcyclohexane	NC	0.42 U	0.50 U	0.46 U	0.42 U	0.58 U	0.67 U
Benzene	60	***180*** J	2.3 J	2.6 J	37	4.0 J	25
1,2-Dichloroethane	200	3.6 U	4.3 U	4.0 U	3.7 U	5.0 U	5.8 U
Trichloroethene	700	0.38 U	0.45 U	0.42 U	0.38 U	0.52 U	0.60 U
1,2-Dichloropropane	NC	0.39 U	0.47 U	0.44 U	0.40 U	0.55 U	0.63 U
Bromodichloromethane	NC	0.39 U	0.47 U	0.43 U	0.40 U	0.55 U	0.63 U
4-Methyl-2-Pentanone	1,000	2.8 U	3.4 U	3.1 U	2.9 U	3.9 U	4.5 U
Toluene	1,500	2.2 J	0.36 U	0.34 U	25	0.42 U	0.49 U

Summary of Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-11

Sample ID		B15-810	B15-1416	B61-1416	B16-57	B16-1719	B16-1921
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg Duplicate	ug/Kg	ug/Kg	ug/Kg
Volatile Organic Compounds (ug/Kg)	TAGM RSCO						
t-1,3-Dichloropropene	NC	0.30 U	0.36 U	0.33 U	0.30 U	0.42 U	0.48 U
cis-1,3-Dichloropropene	NC	0.23 U	0.27 U	0.25 U	0.23 U	0.32 U	0.37 U
1,1,2-Trichloroethane	NC	0.60 U	0.71 U	0.66 U	0.60 U	0.83 U	0.95 U
2-Hexanone	NC	3.8 U	4.5 U	4.2 U	3.8 U	5.2 U	6.0 U
Dibromochloromethane	NA	0.34 U	0.41 U	0.38 U	0.35 U	0.48 U	0.55 U
1,2-Dibromoethane	NC	0.49 U	0.59 U	0.54 U	0.50 U	0.68 U	0.78 U
Tetrachloroethene	1,400	0.75 U	0.89 U	0.82 U	0.76 U	1.0 U	1.2 U
Chlorobenzene	1,700	0.41 U	0.50 U	0.46 U	0.42 U	0.58 U	0.66 U
Ethyl Benzene	5,500	120	0.35 U	0.32 U	67	12	8.8 J
m/p-Xylenes	1,200	18	0.72 U	0.67 U	70	4.3 J	0.97 U
o-Xylene	600	9.4	0.61 U	0.56 U	63	24	18
Styrene	NC	0.37 U	0.44 U	0.41 U	0.37 U	0.51 U	0.59 U
Bromoform	NC	0.35 U	0.42 U	0.39 U	0.36 U	0.49 U	0.56 U
Isopropylbenzene	2,300	140	2.3 J	0.48 U	12	20	38
1,1,2,2-Tetrachloroethane	600	0.62 U	0.75 U	0.69 U	0.63 U	0.87 U	1.0 U
1,3-Dichlorobenzene	1,600	0.25 U	0.30 U	0.27 U	0.25 U	0.35 U	0.40 U
1,4-Dichlorobenzene	8,500	0.41 U	0.49 U	0.46 U	0.42 U	0.58 U	0.66 U
1,2-Dichlorobenzene	7,900	0.48 U	0.58 U	0.53 U	0.49 U	0.67 U	0.77 U
1,2-Dibromo-3-Chloropropane	NC	0.80 U	0.95 U	0.88 U	0.81 U	1.1 U	1.3 U
1,2,4-Trichlorobenzene	3,400	0.29 U	0.35 U	0.32 U	0.30 U	0.41 U	0.47 U
Total Confident Conc. VOC	10,000	469.6	4.6	2.6	334.7	162.1	267.1

Summary of Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-11

Sample ID		B17-57	B17-1012	B19-1214	B19-1618	B21-1415	B21-1921	B21-2325
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Volatile Organic Compounds (ug/Kg)	TAGM RSCO							
Dichlorodifluoromethane	NC	1.5 U	55 UJ	1.5 U	56 U	1.5 UJ	1.9 UJ	1.5 U
Chloromethane	NC	0.40 U	110 UJ	0.41 U	120 U	0.40 UJ	0.51 UJ	0.4 U
Vinyl Chloride	200	0.28 U	44 UJ	0.29 U	45 U	0.29 UJ	0.36 UJ	0.29 U
Bromomethane	NC	0.85 U	130 UJ	0.88 U	130 U	0.86 UJ	1.1 UJ	0.86 U
Chloroethane	1,900	0.63 U	150 UJ	0.66 U	150 U	0.64 UJ	0.81 UJ	0.64 U
Trichlorofluoromethane	NC	3.0 U	95 UJ	3.1 U	97 U	3.0 UJ	3.8 UJ	3 U
1,1,2-Trichlorotrifluoroethane	6,000	0.55 U	110 UJ	0.57 U	120 U	0.56 UJ	0.71 UJ	0.56 U
1,1-Dichloroethene	400	0.26 U	53 UJ	0.27 U	54 U	0.26 UJ	0.33 UJ	0.26 U
Acetone	200	28 J	540 UJ	19 J	560 U	***340*** J	***270*** J	9.1 U
Carbon Disulfide	2,700	1.9 J	64 UJ	0.13 U	66 U	5.7 J	0.16 UJ	0.12 U
Methyl tert-butyl Ether	120	0.28 U	59 UJ	0.29 U	61 U	0.28 UJ	0.35 UJ	0.28 U
Methyl Acetate	NC	1.5 U	140 UJ	1.6 R	140 U	1.6 UJ	2.0 UJ	1.6 U
Methylene Chloride	100	0.82 U	100 UJ	1.9 J	110 U	6.3 UJ	6.1 UJ	0.83 U
trans-1,2-Dichloroethene	300	0.45 U	85 UJ	0.46 U	87 U	0.45 UJ	0.57 UJ	0.45 U
1,1-Dichloroethane	200	0.43 U	35 UJ	0.44 U	36 U	0.43 UJ	0.54 UJ	0.43 U
Cyclohexane	NC	0.37 U	60 UJ	0.38 U	62 U	0.37 UJ	0.47 UJ	0.37 U
2-Butanone	300	2.7 U	470 UJ	2.8 R	480 U	24 J	45 J	2.8 U
Carbon Tetrachloride	600	0.36 U	77 UJ	0.37 U	79 U	0.36 UJ	0.46 UJ	0.36 U
cis-1,2-Dichloroethene	NC	0.42 U	130 UJ	0.44 U	130 U	0.43 UJ	0.54 UJ	0.43 U
Chloroform	300	0.29 U	95 UJ	0.30 U	97 U	0.29 UJ	0.36 UJ	0.29 U
1,1,1-Trichloroethane	800	0.33 U	67 UJ	0.34 U	69 U	0.33 UJ	0.42 UJ	0.33 U
Methylcyclohexane	NC	0.43 U	34000 J	0.44 U	370 J	0.43 UJ	0.55 UJ	0.43 U
Benzene	60	17	***16000*** J	12	***2500***	4.0 J	***65*** J	0.25 U
1,2-Dichloroethane	200	3.7 U	53 UJ	3.8 U	54 U	3.8 UJ	4.7 UJ	3.8 U
Trichloroethene	700	0.39 U	110 UJ	0.40 U	110 U	0.39 UJ	0.49 UJ	0.39 U
1,2-Dichloropropane	NC	0.40 U	52 UJ	0.42 U	54 U	0.41 UJ	0.52 UJ	0.41 U
Bromodichloromethane	NC	0.40 U	57 UJ	0.42 U	59 U	0.41 UJ	0.51 UJ	0.41 U
4-Methyl-2-Pentanone	1,000	2.9 U	220 UJ	3.0 U	220 U	2.9 UJ	3.7 UJ	2.9 U
Toluene	1,500	13	***4600*** J	0.32 U	65 U	0.32 UJ	110 J	0.32 U

Summary of Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-11

Sample ID		B17-57	B17-1012	B19-1214	B19-1618	B21-1415	B21-1921	B21-2325
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Volatile Organic Compounds (ug/Kg)	TAGM RSCO							
t-1,3-Dichloropropene	NC	0.31 U	70 UJ	0.32 U	72 U	0.31 UJ	0.39 UJ	0.31 U
cis-1,3-Dichloropropene	NC	0.23 U	25 UJ	0.24 U	26 U	0.24 UJ	0.30 UJ	0.24 U
1,1,2-Trichloroethane	NC	0.61 U	85 UJ	0.63 U	87 U	0.62 UJ	0.78 UJ	0.62 U
2-Hexanone	NC	3.9 U	110 UJ	4.0 U	110 U	3.9 UJ	4.9 UJ	3.9 U
Dibromochloromethane	NA	0.35 U	62 UJ	0.36 U	64 U	0.35 UJ	0.45 UJ	0.35 U
1,2-Dibromoethane	NC	0.50 U	100 UJ	0.52 U	110 U	0.51 UJ	0.64 UJ	0.51 U
Tetrachloroethene	1,400	0.77 U	54 UJ	0.79 U	56 U	0.77 UJ	0.98 UJ	0.77 U
Chlorobenzene	1,700	0.42 U	61 UJ	0.44 U	62 U	0.43 UJ	0.54 UJ	0.43 U
Ethyl Benzene	5,500	12	***140000*** J	3.4 J	***10000***	0.30 UJ	1000 J	0.3 U
m/p-Xylenes	1,200	29	***72000*** J	2.9 J	***4400***	0.63 UJ	***2000*** J	0.63 U
o-Xylene	600	29	***21000*** J	2.0 J	***2800***	0.53 UJ	***1400*** J	0.53 U
Styrene	NC	0.38 U	56 UJ	0.39 U	58 U	0.38 UJ	0.48 UJ	0.38 U
Bromoform	NC	0.36 U	41 UJ	0.37 U	43 U	0.36 UJ	0.46 UJ	0.36 U
Isopropylbenzene	2,300	12	***28000*** J	31	1900	0.45 R	330 JD	0.45 U
1,1,2,2-Tetrachloroethane	600	0.64 U	81 UJ	0.66 U	84 U	0.65 R	95 UD	0.65 U
1,3-Dichlorobenzene	1,600	0.25 U	61 UJ	0.26 U	63 U	0.26 R	72 UD	0.26 U
1,4-Dichlorobenzene	8,500	0.42 U	64 UJ	0.44 U	65 U	0.43 R	74 UD	0.43 U
1,2-Dichlorobenzene	7,900	0.49 U	60 UJ	0.51 U	62 U	0.50 R	70 UD	0.5 U
1,2-Dibromo-3-Chloropropane	NC	0.82 U	150 UJ	0.85 U	160 U	0.83 R	180 UD	0.83 U
1,2,4-Trichlorobenzene	3,400	0.30 U	47 UJ	0.31 U	48 U	0.30 R	55 UD	0.3 U
Total Confident Conc. VOC	10,000	141.9	***315,600***	72.2	***21,970***	373.7	5,220	-

Summary of Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-11

Sample ID		B22-57	B22-1012	B23-57	B23-1921	B23-2325	B27-1012	B57-1012
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
								Duplicate
Volatile Organic Compounds (ug/Kg)	TAGM RSCO							
Dichlorodifluoromethane	NC	1.5 U	54 U	1.5 U	760 U	1.9 U	53 U	64 U
Chloromethane	NC	0.40 U	110 U	0.41 U	1500 U	0.52 U	110 U	130 U
Vinyl Chloride	200	0.28 U	43 U	0.29 U	610 U	0.37 U	42 U	51 U
Bromomethane	NC	0.85 U	130 U	0.88 U	1800 U	1.1 U	120 U	150 U
Chloroethane	1,900	0.63 U	140 U	0.66 U	2000 U	0.82 U	140 U	170 U
Trichlorofluoromethane	NC	3.0 U	92 U	3.1 U	1300 U	3.8 U	91 U	110 U
1,1,2-Trichlorotrifluoroethane	6,000	0.55 U	110 U	0.57 U	1600 U	0.72 U	110 U	130 U
1,1-Dichloroethene	400	0.26 U	52 U	0.27 U	730 U	0.34 U	51 U	62 U
Acetone	200	46 J	530 U	9.3 U	7500 U	180 J	520 U	640 U
Carbon Disulfide	2,700	0.12 U	62 U	0.13 U	890 U	7.2 J	62 U	75 U
Methyl tert-butyl Ether	120	0.28 U	58 U	0.29 U	820 U	0.36 U	57 U	69 U
Methyl Acetate	NC	1.5 U	130 U	1.6 U	1900 U	2.0 J	130 U	160 U
Methylene Chloride	100	0.82 U	100 U	8.2 UJ	1400 U	4.8 UJ	98 U	120 U
trans-1,2-Dichloroethene	300	0.45 U	82 U	0.46 U	1200 U	0.58 U	81 U	99 U
1,1-Dichloroethane	200	0.43 U	34 U	0.44 U	490 U	0.55 U	34 U	41 U
Cyclohexane	NC	0.37 U	59 U	0.38 U	830 U	0.48 U	58 U	71 U
2-Butanone	300	2.7 U	450 U	2.8 U	6400 U	3.6 U	450 U	540 U
Carbon Tetrachloride	600	0.36 U	75 U	0.37 U	1100 U	0.47 U	74 U	90 U
cis-1,2-Dichloroethene	NC	0.42 U	120 U	0.44 U	1700 U	0.55 U	120 U	150 U
Chloroform	300	0.29 U	92 U	0.30 U	1300 U	0.37 U	91 U	110 U
1,1,1-Trichloroethane	800	0.33 U	65 U	0.34 U	930 U	0.42 U	65 U	78 U
Methylcyclohexane	NC	0.43 U	92 U	0.44 U	1300 U	8	91 U	110 U
Benzene	60	21	***460*** J	0.25 U	***68000***	4.5 J	***2500***	***3300***
1,2-Dichloroethane	200	3.7 U	51 U	3.8 U	730 U	4.8 U	51 U	62 U
Trichloroethene	700	0.39 U	110 U	0.40 U	1500 U	0.50 U	110 U	130 U
1,2-Dichloropropane	NC	0.40 U	51 U	0.42 U	720 U	0.52 U	50 U	61 U
Bromodichloromethane	NC	0.40 U	56 U	0.42 U	790 U	0.52 U	55 U	67 U
4-Methyl-2-Pentanone	1,000	2.9 U	210 U	3.0 U	3000 U	3.8 U	210 U	250 U
Toluene	1,500	8.8	62 U	0.32 U	***91000***	5.8 J	1100	***1600***

Summary of Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-11

Sample ID		B22-57	B22-1012	B23-57	B23-1921	B23-2325	B27-1012	B57-1012
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg Duplicate
Volatile Organic Compounds (ug/Kg)	TAGM RSCO							
t-1,3-Dichloropropene	NC	0.31 U	68 U	0.32 U	970 U	0.40 U	67 U	82 U
cis-1,3-Dichloropropene	NC	0.23 U	24 U	0.24 U	350 U	0.30 U	24 U	29 U
1,1,2-Trichloroethane	NC	0.61 U	83 U	0.63 U	1200 U	0.79 U	82 U	99 U
2-Hexanone	NC	3.9 U	110 U	4.0 U	1500 U	5.0 U	100 U	130 U
Dibromochloromethane	NA	0.35 U	61 U	0.36 U	860 U	0.45 U	60 U	73 U
1,2-Dibromoethane	NC	0.50 U	100 U	0.52 U	1400 U	0.65 U	100 U	120 U
Tetrachloroethene	1,400	0.77 U	53 U	0.79 U	750 U	0.99 U	52 U	63 U
Chlorobenzene	1,700	0.42 U	59 U	0.44 U	840 U	0.55 U	58 U	71 U
Ethyl Benzene	5,500	3.9 J	5100	0.31 U	***220000***	59	3800	***5900***
m/p-Xylenes	1,200	11	820 J	0.64 U	***300000***	52	***2400***	***3800***
o-Xylene	600	7.3	***1300***	0.54 U	***120000***	34	***1100***	***1800***
Styrene	NC	0.38 U	55 U	0.39 U	9500 J	0.49 U	54 U	66 U
Bromoform	NC	0.36 U	40 U	0.37 U	570 U	0.47 U	40 U	48 U
Isopropylbenzene	2,300	0.45 U	1900	0.46 U	***24000***	79	950	1400
1,1,2,2-Tetrachloroethane	600	0.64 U	79 U	0.66 U	1100 U	0.83 U	78 U	95 U
1,3-Dichlorobenzene	1,600	0.25 U	60 U	0.26 U	850 U	0.33 U	59 U	72 U
1,4-Dichlorobenzene	8,500	0.42 U	62 U	0.44 U	880 U	0.55 U	61 U	74 U
1,2-Dichlorobenzene	7,900	0.49 U	59 U	0.51 U	830 U	0.64 U	58 U	70 U
1,2-Dibromo-3-Chloropropane	NC	0.82 U	150 U	0.85 U	2100 U	1.1 U	150 U	180 U
1,2,4-Trichlorobenzene	3,400	0.30 U	46 U	0.31 U	650 U	0.39 U	45 U	55 U
Total Confident Conc. VOC	10,000	98.0	9,580	-	***832,500***	431.5	***11,850***	***17,800***

Summary of Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-11

Sample ID		B32-57	B32-1315	B32-2123	B32-3537RE	B33-45	B33-79
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Volatile Organic Compounds (ug/Kg)	TAGM RSCO						
Dichlorodifluoromethane	NC	1.4 UJ	1.8 U	1.5 UJ	1.6 U	1.5 U	1200 U
Chloromethane	NC	0.38 UJ	0.49 U	0.39 UJ	0.44 U	0.41 U	2500 U
Vinyl Chloride	200	0.27 UJ	0.35 U	0.28 UJ	0.31 U	0.29 U	990 U
Bromomethane	NC	0.80 UJ	1.0 U	0.84 UJ	0.94 U	0.88 U	2900 U
Chloroethane	1,900	0.60 UJ	0.77 U	0.62 UJ	0.70 U	0.66 U	3300 U
Trichlorofluoromethane	NC	2.8 UJ	3.6 U	2.9 UJ	3.3 U	3.1 U	2100 U
1,1,2-Trichlorotrifluoroethane	6,000	0.52 UJ	0.68	0.55 UJ	0.61 U	0.57 U	2600 U
1,1-Dichloroethene	400	0.24 UJ	0.32 UJ	0.26 UJ	0.29 U	0.27 U	1200 U
Acetone	200	110 J	62 J	130 J	9.9 U	110 J	12000 U
Carbon Disulfide	2,700	2.4 J	3.0 J	3.0 J	2.35 U	0.13 U	1500 U
Methyl tert-butyl Ether	120	0.26 UJ	0.34 UJ	0.27 UJ	0.31 U	0.29 U	1300 U
Methyl Acetate	NC	1.4 UJ	1.9 UJ	1.5 UJ	1.7 U	1.6 U	3100 U
Methylene Chloride	100	14 UJ	9.6 J	7.2 J	0.91 U	0.85 U	2300 U
trans-1,2-Dichloroethene	300	0.42 UJ	0.55 UJ	0.44 UJ	0.49 U	0.46 U	1900 U
1,1-Dichloroethane	200	0.40 UJ	0.52 UJ	0.42 UJ	0.47 U	0.44 U	800 U
Cyclohexane	NC	0.35 UJ	0.45 UJ	0.36 UJ	0.41 U	0.38 U	1400 U
2-Butanone	300	2.6 UJ	9.6 J	24 J	3.0 U	17 J	11000 U
Carbon Tetrachloride	600	0.34 UJ	0.44 UJ	0.35 UJ	0.40 U	0.37 U	1700 U
cis-1,2-Dichloroethene	NC	0.40 UJ	0.52 UJ	0.42 UJ	0.47 U	0.44 U	2900 U
Chloroform	300	0.27 UJ	0.35 UJ	0.28 UJ	0.32 U	0.30 U	2100 U
1,1,1-Trichloroethane	800	0.31 UJ	0.40 UJ	0.32 UJ	0.36 U	0.34 U	1500 U
Methylcyclohexane	NC	0.4 UJ	0.52 UJ	0.42 UJ	0.47 U	0.44 U	33000
Benzene	60	30 J	***280*** J	58 J	6.9 J	0.25 U	***1900*** J
1,2-Dichloroethane	200	3.5 UJ	4.5 UJ	3.7 UJ	4.1 U	3.8 U	1200 U
Trichloroethene	700	0.36 UJ	0.47 UJ	0.38 UJ	0.43 U	0.40 U	2500 U
1,2-Dichloropropane	NC	0.38 UJ	0.49 UJ	0.40 UJ	0.45 U	0.42 U	1200 U
Bromodichloromethane	NC	0.38 UJ	0.49 UJ	0.40 UJ	0.44 U	0.42 U	1300 U
4-Methyl-2-Pentanone	1,000	2.7 UJ	3.5 UJ	2.9 UJ	3.2 U	3.0 U	4900 U
Toluene	1,500	18 J	12 J	2.2 J	0.35 U	0.32 U	***39000***

Summary of Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-11

Sample ID		B32-57	B32-1315	B32-2123	B32-3537RE	B33-45	B33-79
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Volatile Organic Compounds (ug/Kg)	TAGM RSCO						
t-1,3-Dichloropropene	NC	0.29 UJ	0.38 UJ	0.30 UJ	0.34 U	0.32 U	1600 U
cis-1,3-Dichloropropene	NC	0.22 UJ	0.29 UJ	0.23 UJ	0.26 U	0.24 U	570 U
1,1,2-Trichloroethane	NC	0.57 UJ	0.74 UJ	0.60 UJ	0.67 U	0.63 U	1900 U
2-Hexanone	NC	3.6 UJ	4.7 UJ	3.8 UJ	4.3 U	4.0 U	2500 U
Dibromochloromethane	NA	0.33 UJ	0.43 UJ	0.35 UJ	0.39 U	0.36 U	1400 U
1,2-Dibromoethane	NC	0.47 UJ	0.61 UJ	0.50 UJ	0.55 U	0.52 U	2400 U
Tetrachloroethene	1,400	0.72 U	0.93 UJ	0.76 UJ	0.85 U	0.79 U	1200 U
Chlorobenzene	1,700	0.40 U	0.52 UJ	0.42 UJ	0.47 U	0.44 U	1400 U
Ethyl Benzene	5,500	7.4	240 J	350 J	8.6 J	1.4 J	***340000***
m/p-Xylenes	1,200	23	180 J	260 J	5.1 J	3.5 J	***390000***
o-Xylene	600	17	320 J	150 J	2.5 J	0.54 U	***140000***
Styrene	NC	0.36 U	0.46 UJ	0.37 UJ	0.42 U	0.39 U	1300 U
Bromoform	NC	0.34 U	0.44 UJ	0.36 UJ	0.40 U	0.37 U	940 U
Isopropylbenzene	2,300	3.7 J	120 J	250 J	0.49 U	1.8 J	***26000***
1,1,2,2-Tetrachloroethane	600	0.60 U	0.78 UJ	0.63 UJ	0.71 U	0.66 U	1800 U
1,3-Dichlorobenzene	1,600	0.24 U	0.31 UJ	0.25 UJ	0.28 U	0.26 U	1400 U
1,4-Dichlorobenzene	8,500	0.40 U	0.52 UJ	0.42 UJ	0.47 U	0.44 U	1400 U
1,2-Dichlorobenzene	7,900	0.46 U	0.60 UJ	0.49 UJ	0.55 U	0.51 U	1400 U
1,2-Dibromo-3-Chloropropane	NC	0.77 U	1.0 UJ	0.81 UJ	0.90 U	0.85 U	3500 U
1,2,4-Trichlorobenzene	3,400	0.28 U	0.37 UJ	0.30 UJ	0.33 U	0.31 U	1100 U
Total Confident Conc. VOC	10,000	211.5	1,236.9	1234.4	23.1	133.7	***969,900***

Summary of Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-11

Sample ID		B34-57	B34-1719	B35-57	B37-57	B37-1113	B38-1012	B38-1618
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Volatile Organic Compounds (ug/Kg)	TAGM RSCO							
Dichlorodifluoromethane	NC	1.5 UJ	54 U	1.5 UJ	1.4 U	2600 U	7.8 U	1.5 U
Chloromethane	NC	0.39 UJ	110 U	0.41 UJ	0.38 U	5300 U	2.1 U	0.40 U
Vinyl Chloride	200	0.28 UJ	43 U	0.29 UJ	0.27 U	2100 U	1.5 U	0.29 U
Bromomethane	NC	0.83 UJ	130 U	0.88 UJ	0.81 U	6000 U	4.5 U	0.86 U
Chloroethane	1,900	0.62 UJ	140 U	0.66 UJ	0.60 U	6800 U	3.3 U	0.64 U
Trichlorofluoromethane	NC	2.9 UJ	94 U	3.1 UJ	2.8 U	4400 U	16 U	3.0 U
1,1,2-Trichlorotrifluoroethane	6,000	0.54 UJ	110 U	0.57 UJ	0.53 U	5300 U	2.9 U	0.56 U
1,1-Dichloroethene	400	0.25 UJ	52 U	0.27 UJ	0.25 U	2500 U	1.4 U	0.26 U
Acetone	200	8.8 UJ	540 U	9.3 UJ	8.6 U	26000 U	47 U	9.1 U
Carbon Disulfide	2,700	0.12 UJ	63 U	0.13 UJ	0.12 U	3000 U	0.64 U	5.9 J
Methyl tert-butyl Ether	120	0.27 UJ	58 U	0.29 UJ	0.26 U	2800 U	1.4 U	0.28 U
Methyl Acetate	NC	1.5 UJ	130 U	1.6 UJ	1.5 U	6400 U	8.1 U	1.6 U
Methylene Chloride	100	0.80 UJ	100 U	0.85 UJ	0.78 U	4800 U	4.3 U	4.3 UJ
trans-1,2-Dichloroethene	300	0.44 UJ	83 U	0.46 UJ	0.43 U	4000 U	2.3 U	0.45 U
1,1-Dichloroethane	200	0.42 UJ	35 U	0.44 UJ	0.41 U	1700 U	2.2 U	0.43 U
Cyclohexane	NC	0.36 UJ	60 U	0.38 UJ	0.35 U	2800 U	1.9 U	0.37 U
2-Butanone	300	2.7 UJ	460 U	2.8 UJ	2.6 U	22000 U	14 U	2.8 U
Carbon Tetrachloride	600	0.35 UJ	76 U	0.37 UJ	0.34 U	3600 U	1.9 U	0.36 U
cis-1,2-Dichloroethene	NC	0.41 UJ	120 U	0.44 UJ	0.40 U	5900 U	2.2 U	0.43 U
Chloroform	300	0.28 UJ	93 U	0.30 UJ	0.27 U	4400 U	1.5 U	0.29 U
1,1,1-Trichloroethane	800	0.32 UJ	66 U	0.34 UJ	0.31 U	3100 U	1.7 U	0.33 U
Methylcyclohexane	NC	0.42 UJ	160000	0.44 UJ	0.41 U	12000 J	2.2 U	27 J
Benzene	60	5.7 J	***6400***	12 J	2.2 J	***6200*** J	27 J	2.5 J
1,2-Dichloroethane	200	3.6 UJ	52 U	3.8 UJ	3.5 U	2500 U	19 U	3.8 U
Trichloroethene	700	0.38 UJ	110 U	0.40 UJ	0.37 U	5200 U	2.0 U	0.39 U
1,2-Dichloropropane	NC	0.39 UJ	51 U	0.42 UJ	0.39 U	2400 U	2.1 U	0.41 U
Bromodichloromethane	NC	0.39 UJ	56 U	0.42 UJ	0.38 U	2700 U	2.1 U	0.41 U
4-Methyl-2-Pentanone	1,000	2.8 UJ	210 U	3.0 UJ	2.8 U	10000 U	15 U	2.9 U
Toluene	1,500	0.30 UJ	63 U	15 J	3.0 J	***7400*** J	68	0.32 U

Summary of Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-11

Sample ID		B34-57	B34-1719	B35-57	B37-57	B37-1113	B38-1012	B38-1618
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Volatile Organic Compounds (ug/Kg)	TAGM RSCO							
t-1,3-Dichloropropene	NC	0.30 UJ	69 U	0.32 UJ	0.29 U	3300 U	1.6 U	0.31 U
cis-1,3-Dichloropropene	NC	0.23 UJ	25 U	0.24 UJ	0.22 U	1200 U	1.2 U	0.24 U
1,1,2-Trichloroethane	NC	0.60 UJ	84 U	0.63 UJ	0.58 U	4000 U	3.2 U	0.62 U
2-Hexanone	NC	3.8 UJ	110 U	4.0 UJ	3.7 U	5100 U	20 U	3.9 U
Dibromochloromethane	NA	0.34 UJ	61 U	0.36 UJ	0.33 U	2900 U	1.8 U	0.35 U
1,2-Dibromoethane	NC	0.49 UJ	100 U	0.52 UJ	0.48 U	4900 U	2.6 U	0.51 U
Tetrachloroethene	1,400	0.75 UJ	54 U	0.79 UJ	0.73 U	2500 U	4.0 U	0.77 U
Chlorobenzene	1,700	0.41 UJ	60 U	0.44 UJ	0.40 U	2800 U	2.2 U	0.43 U
Ethyl Benzene	5,500	0.29 UJ	***17000***	9.8 J	4.0 J	***310000***	140	2.7 J
m/p-Xylenes	1,200	0.60 UJ	***2300***	13 J	2.6 J	***140000***	230	3.4 J
o-Xylene	600	0.51 UJ	***630*** J	2.8 J	1.3 J	***75000***	120	0.53 U
Styrene	NC	0.37 UJ	56 U	0.39 UJ	0.36 U	2600 U	2 U	0.38 U
Bromoform	NC	0.35 UJ	41 U	0.37 UJ	0.34 U	1900 U	1.9 U	0.36 U
Isopropylbenzene	2,300	0.44 UJ	***6600***	0.46 UJ	0.43 U	***13000*** J	17 J	44
1,1,2,2-Tetrachloroethane	600	0.62 UJ	80 U	0.66 UJ	0.61 U	3800 U	3.3 U	0.65 U
1,3-Dichlorobenzene	1,600	0.25 UJ	60 U	0.26 UJ	0.24 U	2900 U	1.3 U	0.26 U
1,4-Dichlorobenzene	8,500	0.41 UJ	63 U	0.44 UJ	0.40 U	3000 U	2.2 U	0.43 U
1,2-Dichlorobenzene	7,900	0.48 UJ	59 U	0.51 UJ	0.47 U	2800 U	2.6 U	0.50 U
1,2-Dibromo-3-Chloropropane	NC	0.80 UJ	150 U	0.85 R	0.78 U	7200 U	4.3 U	0.83 U
1,2,4-Trichlorobenzene	3,400	0.29 UJ	47 U	0.31 UJ	0.29 U	2200 U	1.6 U	0.30 U
Total Confident Conc. VOC	10,000	5.7	***192,930***	52.6	13.1	***563,600***	602	85.5

Summary of Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-11

Sample ID		B39-1921	B41-35	B45-79	B45-2224	B45-3234	B46-79
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Volatile Organic Compounds (ug/Kg)	TAGM RSCO						
Dichlorodifluoromethane	NC	2.0 U	1.5 UJ	1.5 U	260 U	520 U	1.4 U
Chloromethane	NC	0.53 U	0.39 UJ	0.40 U	530 U	1100 U	0.37 U
Vinyl Chloride	200	0.37 U	0.28 UJ	0.28 U	210 U	420 U	0.26 U
Bromomethane	NC	1.1 U	0.83 UJ	0.85 U	610 U	1200 U	0.79 U
Chloroethane	1,900	0.83 U	0.62 UJ	0.63 U	690 U	1400 U	0.58 U
Trichlorofluoromethane	NC	3.9 U	2.9 UJ	3.0 U	450 U	900 U	2.7 U
1,1,2-Trichlorotrifluoroethane	6,000	0.73 U	0.54 UJ	0.55 U	540 U	1100 U	0.51 U
1,1-Dichloroethene	400	0.34 U	0.25 UJ	0.26 U	250 U	500 U	0.24 U
Acetone	200	12 U	8.8 UJ	9.0 U	2600 U	5200 U	8.3 U
Carbon Disulfide	2,700	23 J	0.12 UJ	0.12 U	300 U	610 U	0.11 U
Methyl tert-butyl Ether	120	0.36 U	0.27 UJ	0.28 U	280 U	560 U	0.25 U
Methyl Acetate	NC	2.0 U	1.5 UJ	1.5 U	650 U	1300 U	1.4 U
Methylene Chloride	100	1.1 U	0.80 UJ	16	490 U	970 U	0.76 U
trans-1,2-Dichloroethene	300	0.59 U	0.44 UJ	0.45 U	400 U	800 U	0.41 U
1,1-Dichloroethane	200	0.56 U	0.42 UJ	0.43 U	170 U	340 U	0.39 U
Cyclohexane	NC	0.48 U	0.36 UJ	0.37 U	1900 J	8300	0.34 U
2-Butanone	300	3.6 U	2.7 UJ	2.7 U	2200 U	4400 U	2.5 U
Carbon Tetrachloride	600	0.47 U	0.35 UJ	0.36 U	370 U	730 U	0.33 U
cis-1,2-Dichloroethene	NC	0.56 U	0.41 UJ	0.42 U	600 U	1200 U	0.39 U
Chloroform	300	0.38 U	0.28 UJ	0.29 U	450 U	900 U	0.26 U
1,1,1-Trichloroethane	800	0.43 U	0.32 UJ	0.33 U	320 U	640 U	0.30 U
Methylcyclohexane	NC	0.56 U	0.42 UJ	0.43 U	4500 J	900 U	0.39 U
Benzene	60	19	11 J	0.24 U	***21000***	***220000***	0.22 U
1,2-Dichloroethane	200	4.9 U	3.6 UJ	3.7 U	250 U	500 U	3.4 U
Trichloroethene	700	0.51 U	0.38 UJ	0.39 U	520 U	1000 U	0.36 U
1,2-Dichloropropane	NC	0.53 U	0.39 UJ	0.40 U	250 U	500 U	0.37 U
Bromodichloromethane	NC	0.53 U	0.39 UJ	0.40 U	270 U	540 U	0.37 U
4-Methyl-2-Pentanone	1,000	3.8 U	2.8 UJ	2.9 U	1000 U	2100 U	2.7 U
Toluene	1,500	2.5 J	4.6 J	0.31 U	***7500***	***200000***	0.29 U

Summary of Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-11

Sample ID		B39-1921	B41-35	B45-79	B45-2224	B45-3234	B46-79
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Volatile Organic Compounds (ug/Kg)	TAGM RSCO						
t-1,3-Dichloropropene	NC	0.41 U	0.30 UJ	0.31 U	330 U	660 U	0.28 U
cis-1,3-Dichloropropene	NC	0.31 U	0.23 UJ	0.23 U	120 U	240 U	0.22 U
1,1,2-Trichloroethane	NC	0.80 U	0.60 UJ	0.61 U	400 U	810 U	0.56 U
2-Hexanone	NC	5.1 U	3.8 UJ	3.9 U	510 U	1000 U	3.6 U
Dibromochloromethane	NA	0.46 U	0.34 UJ	0.35 U	300 U	590 U	0.32 U
1,2-Dibromoethane	NC	0.66 U	0.49 UJ	0.50 U	490 U	990 U	0.46 U
Tetrachloroethene	1,400	1.0 U	0.75 UJ	0.77 U	260 U	520 U	0.71 U
Chlorobenzene	1,700	0.56 U	0.41 UJ	0.42 U	290 U	580 U	0.39 U
Ethyl Benzene	5,500	7.2 J	9.2 J	0.30 U	***220000***	***650000*** D	0.28 U
m/p-Xylenes	1,200	14	6.4 J	0.62 U	***95000***	***620000***	0.57 U
o-Xylene	600	6.5 J	2.3 J	0.52 U	***86000***	***310000***	0.48 U
Styrene	NC	0.5 U	0.37 UJ	0.38 U	270 U	530 U	0.35 U
Bromoform	NC	0.47 U	0.35 UJ	0.36 U	200 U	390 U	0.33 U
Isopropylbenzene	2,300	0.59 U	0.44 UJ	7.7	***24000***	***74000***	0.41 U
1,1,2,2-Tetrachloroethane	600	0.84 U	0.62 UJ	0.64 U	390 U	770 U	0.59 U
1,3-Dichlorobenzene	1,600	0.33 U	0.25 UJ	0.25 U	290 U	580 U	0.23 U
1,4-Dichlorobenzene	8,500	0.56 U	0.41 UJ	0.42 U	300 U	600 U	0.39 U
1,2-Dichlorobenzene	7,900	0.65 U	0.48 UJ	0.49 U	290 U	570 U	0.45 U
1,2-Dibromo-3-Chloropropane	NC	1.1 U	0.80 R	0.82 U	730 U	1500 U	0.75 U
1,2,4-Trichlorobenzene	3,400	0.40 U	0.29 UJ	0.30 U	220 U	450 U	0.28 U
Total Confident Conc. VOC	10,000	72.2	33.5	23.7	***459,900***	***2,082,300***	-

Summary of Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-11

Sample ID Matrix Units Volatile Organic Compounds (ug/Kg)	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detections	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
Dichlorodifluoromethane	NC	62	0	0.0%	0	0.0%	<1.3	<3,700
Chloromethane	NC	62	2	3.2%	0	0.0%	<0.35	<7,600
Vinyl Chloride	200	62	0	0.0%	0	0.0%	<0.25	<3,000
Bromomethane	NC	62	0	0.0%	0	0.0%	<0.75	<8,700
Chloroethane	1,900	62	0	0.0%	0	0.0%	<0.56	<9,900
Trichlorofluoromethane	NC	62	0	0.0%	0	0.0%	<2.6	<6,400
1,1,2-Trichlorotrifluoroethane	6,000	62	1	1.6%	0	0.0%	<0.49	<7,700
1,1-Dichloroethene	400	62	0	0.0%	0	0.0%	<0.23	<3,600
Acetone	200	62	17	27.4%	3	4.8%	<7.9	<37000
Carbon Disulfide	2,700	62	19	30.6%	0	0.0%	<0.11	<4,400
Methyl tert-butyl Ether	120	62	0	0.0%	0	0.0%	<0.24	<4,000
Methyl Acetate	NC	62	1	1.6%	0	0.0%	<1.4	<9300
Methylene Chloride	100	62	7	11.3%	0	0.0%	<0.72	<6,900
trans-1,2-Dichloroethene	300	62	0	0.0%	0	0.0%	<0.39	<5,700
1,1-Dichloroethane	200	62	0	0.0%	0	0.0%	<0.38	<2,400
Cyclohexane	NC	62	7	11.3%	0	0.0%	<0.32	<8,300
2-Butanone	300	62	8	12.9%	0	0.0%	<2.4	<32,000
Carbon Tetrachloride	600	62	0	0.0%	0	0.0%	<0.32	<5,200
cis-1,2-Dichloroethene	NC	62	0	0.0%	0	0.0%	<0.37	<8,600
Chloroform	300	62	0	0.0%	0	0.0%	<0.25	<6,400
1,1,1-Trichloroethane	800	62	0	0.0%	0	0.0%	<0.29	<4,600
Methylcyclohexane	NC	62	14	22.6%	0	0.0%	<0.38	160,000
Benzene	60	62	49	79.0%	23	37.1%	<0.21	220,000
1,2-Dichloroethane	200	62	0	0.0%	0	0.0%	<3.3	<3,600
Trichloroethene	700	62	0	0.0%	0	0.0%	<0.34	<7,500
1,2-Dichloropropane	NC	62	0	0.0%	0	0.0%	<0.36	<3,500
Bromodichloromethane	NC	62	0	0.0%	0	0.0%	<0.35	<3,900
4-Methyl-2-Pentanone	1,000	62	0	0.0%	0	0.0%	<2.6	<15,000
Toluene	1,500	62	32	51.6%	9	14.5%	<0.28	200,000

Summary of Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-11

Sample ID Matrix Units Volatile Organic Compounds (ug/Kg)	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detections	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
t-1,3-Dichloropropene	NC	62	0	0.0%	0	0.0%	<0.27	<4,700
cis-1,3-Dichloropropene	NC	62	0	0.0%	0	0.0%	<0.21	<1,700
1,1,2-Trichloroethane	NC	62	0	0.0%	0	0.0%	<0.54	<5,800
2-Hexanone	NC	62	0	0.0%	0	0.0%	<3.4	<7,400
Dibromochloromethane	NA	62	0	0.0%	0	0.0%	<0.31	<4,200
1,2-Dibromoethane	NC	62	0	0.0%	0	0.0%	<0.44	<7,100
Tetrachloroethene	1,400	62	1	1.6%	0	0.0%	<0.68	<3,700
Chlorobenzene	1,700	62	0	0.0%	0	0.0%	<0.37	<4,100
Ethyl Benzene	5,500	62	45	72.6%	16	25.8%	<0.26	1,300,000
m/p-Xylenes	1,200	62	43	69.4%	16	25.8%	<0.55	1,200,000
o-Xylene	600	62	40	64.5%	19	30.6%	<0.46	560,000
Styrene	NC	62	5	8.1%	0	0.0%	<0.33	9,500
Bromoform	NC	62	0	0.0%	0	0.0%	<0.32	<2,800
Isopropylbenzene	2,300	62	40	64.5%	14	22.6%	<0.39	120,000
1,1,2,2-Tetrachloroethane	600	62	0	0.0%	0	0.0%	<0.56	<5,500
1,3-Dichlorobenzene	1,600	62	0	0.0%	0	0.0%	<0.22	<4,200
1,4-Dichlorobenzene	8,500	62	0	0.0%	0	0.0%	<0.37	<4,300
1,2-Dichlorobenzene	7,900	62	0	0.0%	0	0.0%	<0.44	<4,100
1,2-Dibromo-3-Chloropropane	NC	62	0	0.0%	0	0.0%	<0.72	<10,000
1,2,4-Trichlorobenzene	3,400	62	0	0.0%	0	0.0%	<0.27	<3,200
Total Confident Conc. VOC	10,000							

Summary of Semi-Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-12

Sample ID Matrix Units Semivolatile Organic Compounds (ug/kg)	TAGM RSCO	B04-57 SOIL ug/Kg	B04-911 SOIL ug/Kg	B5-35 SOIL ug/Kg	B5-79 SOIL ug/Kg	B5-1719 SOIL ug/Kg	B6-34 SOIL ug/Kg
Benzaldehyde	NC	35 U	36 U	200 U	85 U	41 U	36 U
Phenol	30 or MDL	15 U	15 U	85 U	36 U	17 U	15 U
bis(2-Chloroethyl)ether	NC	18 U	18 U	100 U	43 U	20 U	18 U
2-Chlorophenol	800	16 U	16 U	88 U	38 U	18 U	16 U
2-Methylphenol	100 or MDL	23 U	23 U	130 U	55 U	26 U	23 U
2,2-oxybis(1-Chloropropane)	NC	19 U	20 U	110 U	47 U	22 U	20 U
Acetophenone	NC	19 U	19 U	110 U	45 U	22 U	19 U
3+4-Methylphenols	900	17 U	17 U	94 U	40 U	19 U	17 U
N-Nitroso-di-n-propylamine	NC	16 U	16 U	90 U	38 U	18 U	16 U
Hexachloroethane	NC	17 U	17 U	97 U	41 U	20 U	18 U
Nitrobenzene	200 or MDL	18 U	19 U	100 U	44 U	21 U	19 U
Isophorone	4,400	13 U	14 U	76 U	32 U	15 U	14 U
2-Nitrophenol	330 or MDL	14 U	15 U	82 U	35 U	17 U	15 U
2,4-Dimethylphenol	NC	19 U	20 U	110 U	47 U	22 U	20 U
bis(2-Chloroethoxy)methane	NC	16 U	17 U	93 U	40 U	19 U	17 U
2,4-Dichlorophenol	400	13 U	13 U	71 U	30 U	15 U	13 U
Naphthalene	13,000	130 J	200 J	1400 J	***37000*** J	1400 J	270 J
4-Chloroaniline	220 or MDL	130 U	130 U	750 U	320 U	150 U	140 U
Hexachlorobutadiene	NC	13 U	13 U	71 U	30 U	15 U	13 U
Caprolatam	NC	13 U	13 U	75 U	32 U	15 U	14 U
4-Chloro-3-methylphenol	240 or MDL	11 U	11 U	60 U	26 U	12 U	11 U
2-Methylnaphthalene	36,400	42 J	400 J	250 J	11000 J	330 J	110 J
Hexachlorocyclopentadiene	NC	9.0 U	9.1 U	51 U	22 U	10 U	9.3 U
2,4,6-Trichlorophenol	NC	13 U	13 U	74 U	31 U	15 U	13 U
2,4,5-Trichlorophenol	100	24 U	24 U	130 U	57 U	28 U	25 U
1,1-Biphenyl	NC	11 U	11 U	270 J	570 J	62 J	11 U
2-Chloronaphthalene	NC	7.5 U	7.6 U	43 U	18 U	8.7 U	7.7 U
2-Nitroaniline	430 or MDL	13 U	13 U	74 U	31 U	15 U	13 U
Dimethylphthalate	2,000	8.6 U	8.7 U	49 U	21 U	9.9 U	8.9 U

Summary of Semi-Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-12

Sample ID Matrix Units Semivolatile Organic Compounds (ug/kg)	TAGM RSCO	B04-57 SOIL ug/Kg	B04-911 SOIL ug/Kg	B5-35 SOIL ug/Kg	B5-79 SOIL ug/Kg	B5-1719 SOIL ug/Kg	B6-34 SOIL ug/Kg
Acenaphthylene	41,000	48 J	11 U	390 J	150 J	66 J	130 J
2,6-Dinitrotoluene	1,000	15 U	16 U	87 U	37 U	18 U	16 U
3-Nitroaniline	500 or MDL	58 U	59 U	330 U	140 U	67 U	60 U
Acenaphthene	50,000	70 J	62 J	500 J	720 J	160 J	240 J
2,4-Dinitrophenol	200 or MDL	16 U	16 R	90 U	38 U	18 U	16 U
4-Nitrophenol	100 or MDL	35 U	36 U	200 U	85 U	41 U	36 U
Dibenzofuran	6,200	41 J	12 U	67 U	130 J	14 U	80 J
2,4-Dinitrotoluene	1,000	7.2 U	7.3 U	41 U	17 U	8.3 U	7.4 U
Diethylphthalate	7,100	11 U	11 U	64 U	27 U	13 U	12 U
4-Chlorophenyl-phenylether	NC	8.9 U	9.0 U	51 U	22 U	10 U	9.2 U
Fluorene	50,000	120 J	77 J	730 J	1000 J	130 J	300 J
4-Nitroaniline	NC	28 U	29 U	160 U	68 U	33 U	29 U
4,6-Dinitro-2-methylphenol	NC	21 U	21 U	120 U	50 U	24 U	22 U
N-Nitrosodiphenylamine	NC	9.1 U	9.3 U	52 U	22 U	11 U	9.4 U
4-Bromophenyl-phenylether	NC	9.5 U	9.6 U	54 U	23 U	11 U	9.8 U
Hexachlorobenzene	410	6.7 U	6.8 U	38 U	16 U	7.8 U	7.0 U
Atrazine	NC	11 U	11 U	62 U	27 U	13 U	11 U
Pentachlorophenol	1000 or MDL	11 U	11 U	63 U	27 U	13 U	12 U
Phenanthrene	50,000	550	300 J	4400	3500	410 J	550
Anthracene	50,000	140 J	70 J	1300 J	630 J	100 J	200 J
Carbazole	NC	63 J	8.0 U	45 U	19 U	9.2 U	87 J
Di-n-butylphthalate	8,100	100 J	38 J	260 J	12 U	130 J	4.9 U
Fluoranthene	50,000	260 J	130 J	4100 J	710 J	180 J	760 J
Pyrene	50,000	300 J	230 J	6400	1700	290 J	900 J
Butylbenzylphthalate	50,000	12 U	12 U	68 U	99 J	14 U	41 J
3,3-Dichlorobenzidine	NA	58 U	58 U	330 U	140 U	67 U	60 U
Benzo(a)anthracene	224 or MDL	130 J	82 J	***2300*** J	***440*** J	120 J	***390***
Chrysene	400	140 J	74 J	***2200***	***460*** J	130 J	***420***
bis(2-Ethylhexyl)phthalate	50,000	190 J	120 J	47 U	240 J	170 J	8.5 U

Summary of Semi-Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-12

Sample ID		B04-57	B04-911	B5-35	B5-79	B5-1719	B6-34
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semivolatile Organic Compounds (ug/kg)	TAGM RSCO						
Di-n-octyl phthalate	50,000	8.6 U	8.7 U	49 U	21 U	9.9 U	8.9 U
Benzo(b)fluoranthene	1,100	90 J	42 J	***2200*** J	380 J	100 J	430
Benzo(k)fluoranthene	1,100	49 J	12 U	1100 J	240 J	59 J	170 J
Benzo(a)pyrene	61 or MDL	***93*** J	38 J	***2300*** J	***470*** J	***110*** J	***400***
Indeno(1,2,3-cd)pyrene	3,200	8.7 U	8.8 U	680 J	21 U	42 J	120 J
Dibenz(a,h)anthracene	14 or MDL	11 U	11 U	***220*** J	25 UJ	12 U	***49*** J
Benzo(g,h,i)perylene	50,000	37 J	16 U	960 J	160 J	52 J	150 J
Total Confident Conc. SVOC	500,000	2,593	1,863	31,960	59,599	4,041	5,797
Carcinogenic SVOCs in BaP Equivalents		116.9	51.1	3,071.0	559.0	138.1	548.9

Summary of Semi-Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-12

Sample ID Matrix Units Semivolatile Organic Compounds (ug/kg)	TAGM RSCO	B07-57 SOIL ug/Kg	B07-1517 SOIL ug/Kg	B08-57 SOIL ug/Kg	B08-1214 SOIL ug/Kg	B10-45 SOIL ug/Kg	B10-911 SOIL ug/Kg
Benzaldehyde	NC	35 U	44 U	190 U	520 U	750 U	550 U
Phenol	30 or MDL	15 U	19 U	83 U	220 U	320 U	230 U
bis(2-Chloroethyl)ether	NC	17 U	22 U	97 U	260 U	380 U	280 U
2-Chlorophenol	800	15 U	20 U	86 UJ	230 UJ	330 U	240 U
2-Methylphenol	100 or MDL	22 U	29 U	120 UJ	330 UJ	480 U	360 U
2,2-oxybis(1-Chloropropane)	NC	19 U	25 U	110 U	280 U	410 U	300 U
Acetophenone	NC	18 U	24 U	100 U	280 U	400 U	290 U
3+4-Methylphenols	900	16 U	21 U	91 UJ	240 UJ	350 U	260 U
N-Nitroso-di-n-propylamine	NC	16 U	20 U	87 U	230 U	340 U	250 U
Hexachloroethane	NC	17 U	22 U	94 U	250 U	360 U	270 U
Nitrobenzene	200 or MDL	18 U	23 U	100 UJ	270 UJ	390 U	290 U
Isophorone	4,400	13 U	17 U	74 U	200 U	280 U	210 U
2-Nitrophenol	330 or MDL	14 U	18 U	80 UJ	210 UJ	310 U	230 U
2,4-Dimethylphenol	NC	19 U	25 U	110 UJ	280 UJ	410 U	300 U
bis(2-Chloroethoxy)methane	NC	16 U	21 U	90 UJ	240 UJ	350 U	260 U
2,4-Dichlorophenol	400	12 U	16 U	69 UJ	180 UJ	270 U	200 U
Naphthalene	13,000	430	1600	900 J	110 U	***20000***	***1800000***
4-Chloroaniline	220 or MDL	130 U	170 U	730 UJ	1900 UJ	2800 U	2100 U
Hexachlorobutadiene	NC	12 U	16 U	69 U	180 U	270 U	200 U
Caprolatam	NC	13 U	17 U	73 U	190 U	280 U	210 U
4-Chloro-3-methylphenol	240 or MDL	10 U	13 U	59 UJ	160 UJ	230 U	170 U
2-Methylnaphthalene	36,400	300 J	1100	480 J	10000 J	13000 J	***1000000***
Hexachlorocyclopentadiene	NC	8.9 U	11 U	50 UJ	130 UJ	190 U	140 U
2,4,6-Trichlorophenol	NC	13 U	16 U	72 UJ	190 UJ	280 U	200 U
2,4,5-Trichlorophenol	100	23 U	30 U	130 UJ	350 UJ	510 U	370 U
1,1-Biphenyl	NC	10 U	140 J	59 U	160 U	1700 J	36000
2-Chloronaphthalene	NC	7.4 U	9.5 U	41 UJ	110 UJ	160 U	120 U
2-Nitroaniline	430 or MDL	13 U	16 U	72 UJ	190 UJ	280 U	200 U
Dimethylphthalate	2,000	8.4 U	11 U	47 UJ	130 UJ	180 U	130 U

Summary of Semi-Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-12

Sample ID Matrix Units Semivolatile Organic Compounds (ug/kg)	TAGM RSCO	B07-57 SOIL ug/Kg	B07-1517 SOIL ug/Kg	B08-57 SOIL ug/Kg	B08-1214 SOIL ug/Kg	B10-45 SOIL ug/Kg	B10-911 SOIL ug/Kg
Acenaphthylene	41,000	42 J	280 J	1200 J	9300 J	11000	13000 J
2,6-Dinitrotoluene	1,000	15 U	19 U	84 UJ	220 UJ	330 U	240 U
3-Nitroaniline	500 or MDL	57 U	73 U	320 UJ	850 UJ	1200 U	910 U
Acenaphthene	50,000	140 J	470	44 U	12000 J	3600 J	***230000***
2,4-Dinitrophenol	200 or MDL	16 U	20 U	87 UJ	230 UJ	340 U	250 UJ
4-Nitrophenol	100 or MDL	35 U	44 U	190 U	510 U	***1400*** J	550 U
Dibenzofuran	6,200	12 U	360 J	65 U	170 U	250 U	***9100***
2,4-Dinitrotoluene	1,000	7.1 U	9.0 U	39 UJ	110 UJ	150 U	110 U
Diethylphthalate	7,100	11 U	14 U	62 U	170 U	240 U	180 U
4-Chlorophenyl-phenylether	NC	8.8 U	11 U	49 UJ	130 UJ	190 U	140 U
Fluorene	50,000	100 J	630	620 J	1400 J	6600 J	***93000*** J
4-Nitroaniline	NC	28 U	35 U	150 UJ	410 UJ	600 U	440 U
4,6-Dinitro-2-methylphenol	NC	21 U	26 U	110 UJ	310 UJ	440 U	330 UJ
N-Nitrosodiphenylamine	NC	9.0 U	12 U	50 UJ	130 UJ	190 U	140 U
4-Bromophenyl-phenylether	NC	9.3 U	12 U	52 UJ	140 UJ	200 U	150 U
Hexachlorobenzene	410	6.6 U	8.5 U	37 UJ	99 UJ	140 U	110 U
Atrazine	NC	11 U	14 U	60 U	160 U	230 U	170 U
Pentachlorophenol	1000 or MDL	11 U	14 U	62 UJ	160 UJ	240 U	180 U
Phenanthrene	50,000	330 J	3000	3600	15000	21000	***210000*** J
Anthracene	50,000	100 J	770	940 J	28000	6800 J	***60000*** J
Carbazole	NC	7.8 U	210 J	320 UJ	120 UJ	170 U	3000 J
Di-n-butylphthalate	8,100	4.7 U	6.0 U	910 J	1300 J	100 U	75 UJ
Fluoranthene	50,000	120 J	2600	3800	35000	9000	***54000*** J
Pyrene	50,000	170 J	2000	4100	***69000***	5700 J	***100000*** J
Butylbenzylphthalate	50,000	12 U	15 U	66 U	180 U	260 U	190 U
3,3-Dichlorobenzidine	NA	57 U	73 U	320 UJ	850 UJ	1200 U	900 UJ
Benzo(a)anthracene	224 or MDL	71 J	***1100***	***2100***	***23000***	***2800*** J	***31000*** J
Chrysene	400	69 J	***1000***	***2200***	***22000***	***2200*** J	***25000*** J
bis(2-Ethylhexyl)phthalate	50,000	38 J	10 U	250 J	120 U	180 U	130 U

Summary of Semi-Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-12

Sample ID		B07-57	B07-1517	B08-57	B08-1214	B10-45	B10-911
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semivolatile Organic Compounds (ug/kg)	TAGM RSCO						
Di-n-octyl phthalate	50,000	8.4 U	11 U	47 U	130 U	180 U	130 UJ
Benzo(b)fluoranthene	1,100	19 U	970	***1900*** J	***14000***	***5900*** J	***15000*** J
Benzo(k)fluoranthene	1,100	12 J	410 J	***1700*** J	***11000***	***2300*** J	***6700*** J
Benzo(a)pyrene	61 or MDL	47 J	***830***	***2200***	***25000***	***8200***	***22000*** J
Indeno(1,2,3-cd)pyrene	3,200	8.6 U	350 J	530 J	***3500*** J	180 U	1700 J
Dibenz(a,h)anthracene	14 or MDL	10 U	***48*** J	58 UJ	***830*** J	***1100*** J	***1300*** J
Benzo(g,h,i)perylene	50,000	15 U	380 J	870 J	6100	3500 J	2800 J
Total Confident Conc. SVOC	500,000	1,969	18,248	28,300	286,430	125,800	***3,713,600***
Carcinogenic SVOCs in BaP Equivalents		54.9	1,134.1	2,692.0	30,210.0	10,233.0	28,387.0

Summary of Semi-Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-12

Sample ID Matrix Units Semivolatile Organic Compounds (ug/kg)	TAGM RSCO	B11-23 SOIL ug/Kg	B11-810 SOIL ug/Kg	B60-810 SOIL ug/Kg Duplicate	B11-1820 SOIL ug/Kg	B11-2628 SOIL ug/Kg
Benzaldehyde	NC	3800 U	400 U	790 U	980 U	49 U
Phenol	30 or MDL	1600 U	170 U	340 U	420 U	21 U
bis(2-Chloroethyl)ether	NC	1900 U	200 U	400 U	490 U	24 U
2-Chlorophenol	800	1700 U	180 U	350 U	430 U	21 U
2-Methylphenol	100 or MDL	2400 U	260 U	510 U	630 U	31 U
2,2-oxybis(1-Chloropropane)	NC	2100 U	220 U	440 U	540 U	27 U
Acetophenone	NC	2000 U	210 U	420 U	520 U	26 U
3+4-Methylphenols	900	1800 U	190 U	370 U	460 U	23 U
N-Nitroso-di-n-propylamine	NC	1700 U	180 U	360 U	440 U	22 U
Hexachloroethane	NC	1800 U	190 U	390 U	480 U	24 U
Nitrobenzene	200 or MDL	2000 U	210 U	410 U	510 U	25 U
Isophorone	4,400	1400 U	150 U	300 U	370 U	18 U
2-Nitrophenol	330 or MDL	1600 U	160 U	330 U	400 U	20 U
2,4-Dimethylphenol	NC	2100 U	220 U	440 U	540 U	27 U
bis(2-Chloroethoxy)methane	NC	1800 U	190 U	370 U	460 U	23 U
2,4-Dichlorophenol	400	1400 U	140 U	280 U	350 U	17 U
Naphthalene	13,000	840 U	***40000***	***78000***	***110000***	170 J
4-Chloroaniline	220 or MDL	14000 U	1500 U	3000 U	3700 U	180 U
Hexachlorobutadiene	NC	1400 U	140 U	280 U	350 U	17 U
Caprolatam	NC	1400 U	150 U	300 U	370 U	18 U
4-Chloro-3-methylphenol	240 or MDL	1100 U	120 U	240 U	300 U	15 U
2-Methylnaphthalene	36,400	670 U	16000	29000	***51000***	73 J
Hexachlorocyclopentadiene	NC	970 U	100 U	200 U	250 U	12 U
2,4,6-Trichlorophenol	NC	1400 U	150 U	290 U	360 U	18 U
2,4,5-Trichlorophenol	100	2600 U	270 U	540 U	660 U	33 U
1,1-Biphenyl	NC	1100 U	1500 J	2600 J	11000	15 U
2-Chloronaphthalene	NC	810 U	85 U	170 U	210 U	10 U
2-Nitroaniline	430 or MDL	1400 U	150 U	290 U	360 U	18 U
Dimethylphthalate	2,000	920 U	97 U	190 U	240 U	12 U

Summary of Semi-Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-12

Sample ID Matrix Units Semivolatile Organic Compounds (ug/kg)	TAGM RSCO	B11-23 SOIL ug/Kg	B11-810 SOIL ug/Kg	B60-810 SOIL ug/Kg Duplicate	B11-1820 SOIL ug/Kg	B11-2628 SOIL ug/Kg
Acenaphthylene	41,000	1200 U	1000 J	1900 J	7300 J	15 U
2,6-Dinitrotoluene	1,000	1600 U	170 U	350 U	430 U	21 U
3-Nitroaniline	500 or MDL	6200 U	660 U	1300 U	1600 U	80 U
Acenaphthene	50,000	850 U	12000	21000	38000	100 J
2,4-Dinitrophenol	200 or MDL	1700 U	180 UJ	360 UJ	440 UJ	22 UJ
4-Nitrophenol	100 or MDL	3800 U	400 U	790 U	970 UJ	48 UJ
Dibenzofuran	6,200	1300 U	1100 J	2200 J	***20000***	56 J
2,4-Dinitrotoluene	1,000	770 U	***2700*** J	***5100*** J	***11000***	9.9 U
Diethylphthalate	7,100	1200 U	130 U	250 U	310 U	16 U
4-Chlorophenyl-phenylether	NC	960 U	100 U	200 U	250 U	12 U
Fluorene	50,000	1100 U	6100	11000	35000	150 J
4-Nitroaniline	NC	3000 U	320 UJ	630 UJ	780 U	39 U
4,6-Dinitro-2-methylphenol	NC	2200 U	240 U	470 U	580 U	29 U
N-Nitrosodiphenylamine	NC	980 U	100 U	210 U	250 U	13 U
4-Bromophenyl-phenylether	NC	1000 U	110 U	210 U	260 U	13 U
Hexachlorobenzene	410	730 U	76 U	150 U	190 U	9.3 U
Atrazine	NC	1200 U	120 U	250 U	300 U	15 U
Pentachlorophenol	1000 or MDL	1200 U	130 U	250 U	310 U	15 U
Phenanthrene	50,000	17000 J	20000	36000	***110000***	720
Anthracene	50,000	4400 J	4300	8300	28000	230 J
Carbazole	NC	850 U	90 UJ	180 UJ	8600 J	68 J
Di-n-butylphthalate	8,100	510 U	54 U	110 U	130 U	6.6 U
Fluoranthene	50,000	22000 J	6000	11000	***52000***	790
Pyrene	50,000	21000 J	10000	18000	48000	720
Butylbenzylphthalate	50,000	1300 U	140 U	270 U	340 U	17 U
3,3-Dichlorobenzidine	NA	6200 U	650 U	1300 U	1600 U	80 U
Benzo(a)anthracene	224 or MDL	***10000*** J	***3700*** J	***6600*** J	***22000***	***510***
Chrysene	400	***11000*** J	***3400*** J	***5900*** J	***17000***	***440*** J
bis(2-Ethylhexyl)phthalate	50,000	890 U	94 U	190 U	230 U	220 J

Summary of Semi-Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-12

Sample ID Matrix Units Semivolatile Organic Compounds (ug/kg)	TAGM RSCO	B11-23 SOIL ug/Kg	B11-810 SOIL ug/Kg	B60-810 SOIL ug/Kg Duplicate	B11-1820 SOIL ug/Kg	B11-2628 SOIL ug/Kg
Di-n-octyl phthalate	50,000	920 U	97 U	190 U	240 U	12 U
Benzo(b)fluoranthene	1,100	***11000*** J	***2500*** J	***4800*** J	***21000***	550
Benzo(k)fluoranthene	1,100	***6300*** J	1100 J	***2200*** J	***6700*** J	190 J
Benzo(a)pyrene	61 or MDL	***10000*** J	***2800*** J	***5200*** J	***16000***	***510***
Indeno(1,2,3-cd)pyrene	3,200	940 U	430 J	200 U	2900 J	200 J
Dibenz(a,h)anthracene	14 or MDL	1100 U	120 U	240 U	***1500*** J	***78*** J
Benzo(g,h,i)perylene	50,000	1700 U	650 J	1200 J	3600 J	230 J
Total Confident Conc. SVOC	500,000	112,700	135,280	250,000	***620,600***	6,005
Carcinogenic SVOCs in BaP Equivalents		12,273.0	3,508.0	6,421.0	22,327.0	720.3

Summary of Semi-Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-12

Sample ID Matrix Units Semivolatile Organic Compounds (ug/kg)	TAGM RSCO	B12-34 SOIL ug/Kg	B12-79 SOIL ug/Kg	B12-2123 SOIL ug/Kg	B13-57 SOIL ug/Kg	B14-810 SOIL ug/Kg	B14-1416 SOIL ug/Kg
Benzaldehyde	NC	3600 U	86 U	2900 U	69 U	450 UD	41 U
Phenol	30 or MDL	1500 U	37 U	1200 U	29 U	190 U	17 U
bis(2-Chloroethyl)ether	NC	1800 U	43 U	1400 U	34 U	230 U	21 U
2-Chlorophenol	800	1600 U	38 U	1300 U	30 U	200 U	18 U
2-Methylphenol	100 or MDL	2300 U	55 U	1900 U	44 U	290 U	26 U
2,2-oxybis(1-Chloropropane)	NC	2000 U	47 U	1600 U	38 U	250 U	23 U
Acetophenone	NC	1900 U	46 U	1500 U	37 U	240 U	22 U
3+4-Methylphenols	900	1700 U	40 U	1300 U	32 U	210 U	19 U
N-Nitroso-di-n-propylamine	NC	1600 U	39 U	1300 U	31 U	200 U	18 U
Hexachloroethane	NC	1800 U	42 U	1400 U	33 U	220 U	20 U
Nitrobenzene	200 or MDL	1900 U	45 U	1500 U	36 U	230 U	21 U
Isophorone	4,400	1400 U	33 U	1100 U	26 U	170 U	15 U
2-Nitrophenol	330 or MDL	1500 U	35 U	1200 U	28 U	180 U	17 U
2,4-Dimethylphenol	NC	2000 U	47 U	1600 U	38 U	250 U	23 U
bis(2-Chloroethoxy)methane	NC	1700 U	40 U	1300 U	32 U	210 U	19 U
2,4-Dichlorophenol	400	1300 U	31 U	1000 U	25 U	160 U	15 U
Naphthalene	13,000	***19000*** J	***100000*** D	***2600000*** J	480 J	6800	9.1 U
4-Chloroaniline	220 or MDL	14000 U	320 U	11000 U	260 U	1700 U	150 U
Hexachlorobutadiene	NC	1300 U	31 U	1000 U	25 U	160 U	15 U
Caprolatam	NC	1400 U	32 U	1100 U	480 J	170 U	15 U
4-Chloro-3-methylphenol	240 or MDL	1100 U	26 U	870 U	21 U	140 U	12 U
2-Methylnaphthalene	36,400	10000 J	26000 D	***1800000*** J	900	2500 J	7.2 U
Hexachlorocyclopentadiene	NC	920 U	22 U	740 U	18 U	120 U	10 U
2,4,6-Trichlorophenol	NC	1300 U	32 U	1100 U	25 U	170 U	15 U
2,4,5-Trichlorophenol	100	2400 U	58 U	1900 U	46 U	300 U	28 U
1,1-Biphenyl	NC	1100 U	4500	870 U	180 J	140 U	12 U
2-Chloronaphthalene	NC	770 U	18 U	610 U	15 U	96 U	8.7 U
2-Nitroaniline	430 or MDL	1300 U	32 U	1100 U	25 U	170 U	15 U
Dimethylphthalate	2,000	880 U	21 U	700 U	17 U	110 U	9.9 U

Summary of Semi-Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-12

Sample ID Matrix Units Semivolatile Organic Compounds (ug/kg)	TAGM RSCO	B12-34 SOIL ug/Kg	B12-79 SOIL ug/Kg	B12-2123 SOIL ug/Kg	B13-57 SOIL ug/Kg	B14-810 SOIL ug/Kg	B14-1416 SOIL ug/Kg
Acenaphthylene	41,000	15000 J	2400	***210000*** J	88 J	4900	12 U
2,6-Dinitrotoluene	1,000	1600 U	37 U	1300 U	30 U	200 U	18 U
3-Nitroaniline	500 or MDL	5900 U	240 J	4700 U	110 U	740 U	67 U
Acenaphthene	50,000	810 U	34000 J	***670000*** J	360 J	35000 J	9.2 U
2,4-Dinitrophenol	200 or MDL	1600 U	39 UJ	1300 R	31 UJ	200 UJ	18 UJ
4-Nitrophenol	100 or MDL	3600 U	86 U	2900 U	68 U	450 U	41 U
Dibenzofuran	6,200	1200 U	1300	***190000*** J	23 U	1700 J	14 U
2,4-Dinitrotoluene	1,000	740 U	17 U	590 U	14 U	92 U	8.3 U
Diethylphthalate	7,100	1200 U	28 U	920 U	22 U	140 U	13 U
4-Chlorophenyl-phenylether	NC	910 U	22 U	730 U	17 U	110 U	10 U
Fluorene	50,000	5200 J	13000 J	***670000*** J	310 J	14000 J	12 U
4-Nitroaniline	NC	2900 U	69 U	2300 U	55 U	360 U	33 U
4,6-Dinitro-2-methylphenol	NC	2100 U	51 UJ	1700 U	41 UJ	270 UJ	24 UJ
N-Nitrosodiphenylamine	NC	940 U	22 U	750 U	18 U	120 U	11 U
4-Bromophenyl-phenylether	NC	970 U	23 U	770 U	18 U	120 U	11 U
Hexachlorobenzene	410	690 U	16 U	550 U	13 U	86 U	7.8 U
Atrazine	NC	1100 U	27 U	900 U	21 U	140 U	13 U
Pentachlorophenol	1000 or MDL	1100 U	27 U	910 U	22 U	140 U	13 U
Phenanthrene	50,000	33000 J	35000 J	***1200000***	1200 J	36000 J	62 J
Anthracene	50,000	6600 J	11000 J	***470000*** J	290 J	9500 J	9.9 U
Carbazole	NC	810 U	19 U	56000 J	15 U	100 U	9.2 U
Di-n-butylphthalate	8,100	490 U	12 UJ	390 U	9.3 UJ	61 UJ	5.5 UJ
Fluoranthene	50,000	31000 J	9200 J	***590000*** J	420 J	12000 J	5.8 UJ
Pyrene	50,000	49000 J	17000 J	***520000***	710 J	19000 J	64 J
Butylbenzylphthalate	50,000	1200 U	29 U	980 U	130 J	150 U	14 U
3,3-Dichlorobenzidine	NA	5900 U	140 UJ	4700 U	110 UJ	740 UJ	67 UJ
Benzo(a)anthracene	224 or MDL	***22000*** J	***5500*** J	***240000*** J	***290*** J	***8100*** J	6.3 U
Chrysene	400	***25000*** J	***4900*** J	***210000***	290 J	***7700*** J	13 U
bis(2-Ethylhexyl)phthalate	50,000	850 U	20 U	670 U	250 J	110 U	9.6 U

Summary of Semi-Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-12

Sample ID		B12-34	B12-79	B12-2123	B13-57	B14-810	B14-1416
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semivolatile Organic Compounds (ug/kg)	TAGM RSCO						
Di-n-octyl phthalate	50,000	880 U	21 UJ	700 U	17 UJ	110 UJ	9.9 UJ
Benzo(b)fluoranthene	1,100	***22000*** J	***3100*** J	***230000*** J	190 J	***5100*** J	22 U
Benzo(k)fluoranthene	1,100	***11000*** J	930 J	***110000*** J	110 J	***3100*** J	14 UJ
Benzo(a)pyrene	61 or MDL	***27000*** J	***4400*** J	***280000*** J	***220*** J	***7200*** J	7.2 U
Indeno(1,2,3-cd)pyrene	3,200	***8700*** J	830 J	***18000*** J	17 UJ	1500 J	10 UJ
Dibenz(a,h)anthracene	14 or MDL	1100 U	***440*** J	***7400*** J	21 UJ	130 UJ	12 UJ
Benzo(g,h,i)perylene	50,000	14000 J	1200 J	43000 J	74 J	2200 J	18 UJ
Total Confident Conc. SVOC	500,000	298,500	274,940	***10,114,400***	6,972	176,300	126
Carcinogenic SVOCs in BaP Equivalents		32,630.0	5,841.3	339,400.0	272.0	8,778.0	ND

Summary of Semi-Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-12

Sample ID Matrix Units Semivolatile Organic Compounds (ug/kg)	TAGM RSCO	B15-810 SOIL ug/Kg	B15-1416 SOIL ug/Kg	B61-1416 SOIL ug/Kg Duplicate	B16-57 SOIL ug/Kg	B16-1719 SOIL ug/Kg	B16-1921 SOIL ug/Kg
Benzaldehyde	NC	38 UD	45 U	42 U	190 U	53 U	60 U
Phenol	30 or MDL	16 U	19 U	18 U	81 U	23 U	26 U
bis(2-Chloroethyl)ether	NC	19 U	23 U	21 U	96 U	27 U	30 U
2-Chlorophenol	800	17 U	20 U	19 U	84 U	23 U	27 U
2-Methylphenol	100 or MDL	24 U	29 U	27 U	120 U	34 U	39 U
2,2-oxybis(1-Chloropropane)	NC	21 U	25 U	23 U	110 U	29 U	33 U
Acetophenone	NC	20 U	24 U	22 U	100 U	28 U	32 U
3+4-Methylphenols	900	18 U	21 U	20 U	89 U	25 U	28 U
N-Nitroso-di-n-propylamine	NC	17 U	20 U	19 U	86 U	24 U	27 U
Hexachloroethane	NC	18 U	22 U	20 U	93 U	26 U	29 U
Nitrobenzene	200 or MDL	19 U	23 U	22 U	99 U	27 U	31 U
Isophorone	4,400	14 U	17 U	16 U	72 U	20 U	23 U
2-Nitrophenol	330 or MDL	15 U	19 U	17 U	78 U	22 U	25 U
2,4-Dimethylphenol	NC	21 U	25 U	23 U	110 U	29 U	33 U
bis(2-Chloroethoxy)methane	NC	18 U	21 U	20 U	89 U	25 U	28 U
2,4-Dichlorophenol	400	13 U	16 U	15 U	68 U	19 U	22 U
Naphthalene	13,000	430	580	49 J	42 U	150 J	13 U
4-Chloroaniline	220 or MDL	140 U	170 U	160 U	720 U	200 U	230 U
Hexachlorobutadiene	NC	13 U	16 U	15 U	68 U	19 U	22 U
Caprolatam	NC	14 U	17 U	16 U	72 U	20 U	23 U
4-Chloro-3-methylphenol	240 or MDL	11 U	14 U	13 U	57 U	16 U	18 U
2-Methylnaphthalene	36,400	280 J	280 J	59 J	33 U	9.3 U	11 U
Hexachlorocyclopentadiene	NC	9.6 U	12 U	11 U	49 U	14 U	15 U
2,4,6-Trichlorophenol	NC	14 U	17 U	16 U	70 U	20 U	22 U
2,4,5-Trichlorophenol	100	25 U	30 U	28 U	130 U	36 U	41 U
1,1-Biphenyl	NC	87 J	51 J	13 U	57 U	16 U	18 U
2-Chloronaphthalene	NC	8.0 U	9.6 U	8.9 U	40 U	11 U	13 U
2-Nitroaniline	430 or MDL	14 U	17 U	16 U	70 U	20 U	22 U
Dimethylphthalate	2,000	9.2 U	11 U	10 U	46 U	13 U	15 U

Summary of Semi-Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-12

Sample ID Matrix Units Semivolatile Organic Compounds (ug/kg)	TAGM RSCO	B15-810 SOIL ug/Kg	B15-1416 SOIL ug/Kg	B61-1416 SOIL ug/Kg Duplicate	B16-57 SOIL ug/Kg	B16-1719 SOIL ug/Kg	B16-1921 SOIL ug/Kg
Acenaphthylene	41,000	11 U	14 U	13 U	58 U	16 U	18 U
2,6-Dinitrotoluene	1,000	16 U	20 U	18 U	83 U	23 U	26 U
3-Nitroaniline	500 or MDL	62 U	74 U	69 U	310 U	87 U	99 U
Acenaphthene	50,000	89 J	300 J	9.5 U	43 U	110 J	14 U
2,4-Dinitrophenol	200 or MDL	17 UJ	20 UJ	19 UJ	86 U	24 U	27 U
4-Nitrophenol	100 or MDL	37 U	45 U	42 U	190 U	53 U	60 U
Dibenzofuran	6,200	13 U	15 U	14 U	64 U	18 U	20 U
2,4-Dinitrotoluene	1,000	7.7 U	9.2 U	8.5 U	39 U	11 U	12 U
Diethylphthalate	7,100	12 U	14 U	13 U	61 U	17 U	19 U
4-Chlorophenyl-phenylether	NC	9.5 U	11 U	11 U	48 U	13 U	15 U
Fluorene	50,000	82 J	190 J	12 U	55 U	88 J	17 U
4-Nitroaniline	NC	30 U	36 U	34 U	150 U	42 U	48 U
4,6-Dinitro-2-methylphenol	NC	22 UJ	27 UJ	25 UJ	110 U	31 U	36 U
N-Nitrosodiphenylamine	NC	9.7 U	12 U	11 U	49 U	14 U	16 U
4-Bromophenyl-phenylether	NC	10 U	12 U	11 U	51 U	14 U	16 U
Hexachlorobenzene	410	7.2 U	8.6 U	8.0 U	36 U	10 U	12 U
Atrazine	NC	12 U	14 U	13 U	59 U	16 U	19 U
Pentachlorophenol	1000 or MDL	12 U	14 U	13 U	60 U	17 U	19 U
Phenanthrene	50,000	310 J	590 J	49 J	390 J	360 J	280 J
Anthracene	50,000	66 J	180 J	10 U	46 U	110 J	15 U
Carbazole	NC	8.5 U	10 U	9.5 U	43 U	12 U	14 U
Di-n-butylphthalate	8,100	5.1 UJ	6.1 UJ	5.7 UJ	26 U	7.2 U	8.2 U
Fluoranthene	50,000	92 J	150 J	6.0 UJ	390 J	340 J	120 J
Pyrene	50,000	180 J	300 J	7.6 U	500 J	420 J	150 J
Butylbenzylphthalate	50,000	13 U	15 U	14 U	65 U	18 U	21 U
3,3-Dichlorobenzidine	NA	62 UJ	74 UJ	69 UJ	310 U	87 U	99 U
Benzo(a)anthracene	224 or MDL	53 J	100 J	6.5 U	***250*** J	***240*** J	90 J
Chrysene	400	57 J	94 J	14 U	270 J	230 J	110 J
bis(2-Ethylhexyl)phthalate	50,000	52 J	52 J	48 J	45 U	12 U	14 U

Summary of Semi-Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-12

Sample ID Matrix Units Semivolatile Organic Compounds (ug/kg)	TAGM RSCO	B15-810 SOIL ug/Kg	B15-1416 SOIL ug/Kg	B61-1416 SOIL ug/Kg Duplicate	B16-57 SOIL ug/Kg	B16-1719 SOIL ug/Kg	B16-1921 SOIL ug/Kg
Di-n-octyl phthalate	50,000	9.2 UJ	11 UJ	10 UJ	46 U	13 U	15 U
Benzo(b)fluoranthene	1,100	20 U	25 U	23 U	300 J	220 J	92 J
Benzo(k)fluoranthene	1,100	13 UJ	16 UJ	15 UJ	66 U	120 J	21 U
Benzo(a)pyrene	61 or MDL	48 J	***63*** J	7.4 U	***310*** J	***230*** J	96 J
Indeno(1,2,3-cd)pyrene	3,200	9.3 UJ	11 UJ	10 UJ	47 U	110 J	15 U
Dibenz(a,h)anthracene	14 or MDL	11 UJ	14 UJ	13 UJ	57 U	16 U	18 U
Benzo(g,h,i)perylene	50,000	17 UJ	20 UJ	19 UJ	200 J	130 J	27 U
Total Confident Conc. SVOC	500,000	1,826	2,930	205	2,610	2,858	938
Carcinogenic SVOCs in BaP Equivalents		53.9	73.9	ND	367.7	290.5	115.3

Summary of Semi-Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-12

Sample ID Matrix Units Semivolatile Organic Compounds (ug/kg)	TAGM RSCO	B17-57 SOIL ug/Kg	B17-1012 SOIL ug/Kg	B19-1214 SOIL ug/Kg	B19-1618 SOIL ug/Kg
Benzaldehyde	NC	78 U	170 U	40 U	870 U
Phenol	30 or MDL	33 U	72 U	17 U	370 U
bis(2-Chloroethyl)ether	NC	39 U	85 U	20 U	440 U
2-Chlorophenol	800	34 U	75 U	18 U	390 U
2-Methylphenol	100 or MDL	50 U	110 U	26 U	560 U
2,2-oxybis(1-Chloropropane)	NC	43 U	93 U	22 U	480 U
Acetophenone	NC	42 U	90 U	22 U	470 U
3+4-Methylphenols	900	36 U	79 U	19 U	410 U
N-Nitroso-di-n-propylamine	NC	35 U	76 U	18 U	390 U
Hexachloroethane	NC	38 U	82 U	20 U	430 U
Nitrobenzene	200 or MDL	40 U	88 U	21 U	450 U
Isophorone	4,400	30 U	64 U	15 U	330 U
2-Nitrophenol	330 or MDL	32 U	69 U	17 U	360 U
2,4-Dimethylphenol	NC	43 U	93 U	22 U	480 U
bis(2-Chloroethoxy)methane	NC	36 U	79 U	19 U	410 U
2,4-Dichlorophenol	400	28 U	61 U	14 U	310 U
Naphthalene	13,000	510 J	***100000***	1100	***1200000***
4-Chloroaniline	220 or MDL	290 U	640 U	150 U	3300 U
Hexachlorobutadiene	NC	28 U	61 U	14 U	310 U
Caprolatam	NC	29 U	64 U	15 U	330 U
4-Chloro-3-methylphenol	240 or MDL	24 U	51 U	12 U	260 U
2-Methylnaphthalene	36,400	420 J	24000	190 J	***380000***
Hexachlorocyclopentadiene	NC	20 U	43 U	10 U	220 U
2,4,6-Trichlorophenol	NC	29 U	63 U	15 U	320 U
2,4,5-Trichlorophenol	100	53 U	110 U	27 U	590 U
1,1-Biphenyl	NC	110 J	7400	750	260 U
2-Chloronaphthalene	NC	17 U	36 U	8.6 U	190 U
2-Nitroaniline	430 or MDL	29 U	63 U	15 U	320 U
Dimethylphthalate	2,000	19 U	41 U	9.9 U	210 U

Summary of Semi-Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-12

Sample ID Matrix Units Semivolatile Organic Compounds (ug/kg)	TAGM RSCO	B17-57 SOIL ug/Kg	B17-1012 SOIL ug/Kg	B19-1214 SOIL ug/Kg	B19-1618 SOIL ug/Kg
Acenaphthylene	41,000	1400	2200	1100	31000
2,6-Dinitrotoluene	1,000	34 U	74 U	18 U	380 U
3-Nitroaniline	500 or MDL	130 U	280 U	67 U	1400 U
Acenaphthene	50,000	500 J	12000 J	6300 J	***290000*** J
2,4-Dinitrophenol	200 or MDL	35 UJ	76 UJ	18 UJ	390 UJ
4-Nitrophenol	100 or MDL	78 U	170 U	40 U	870 U
Dibenzofuran	6,200	280 J	780 J	300 J	***11000***
2,4-Dinitrotoluene	1,000	16 U	34 U	8.2 U	180 U
Diethylphthalate	7,100	25 U	54 U	13 U	280 U
4-Chlorophenyl-phenylether	NC	20 U	43 U	10 U	220 U
Fluorene	50,000	800 J	8070 J	3610 J	***160000*** J
4-Nitroaniline	NC	62 U	140 U	32 U	700 U
4,6-Dinitro-2-methylphenol	NC	46 UJ	100 UJ	24 UJ	520 UJ
N-Nitrosodiphenylamine	NC	20 U	44 U	10 U	230 U
4-Bromophenyl-phenylether	NC	21 U	45 U	11 U	230 U
Hexachlorobenzene	410	15 U	32 U	7.7 U	170 U
Atrazine	NC	24 U	43 U	13 U	270 U
Pentachlorophenol	1000 or MDL	25 U	54 U	13 U	280 U
Phenanthrene	50,000	6420 J	20000 J	11000 J	***347300*** J
Anthracene	50,000	1400 J	5200 J	2400 J	***102500*** J
Carbazole	NC	180 J	320 J	9.1 U	3000 J
Di-n-butylphthalate	8,100	11 UJ	23 UJ	5.5 UJ	120 UJ
Fluoranthene	50,000	7800 J	6000 J	3700 J	***130000*** J
Pyrene	50,000	8600 J	10000 J	6900 J	***200000*** J
Butylbenzylphthalate	50,000	27 U	58 U	14 U	300 U
3,3-Dichlorobenzidine	NA	130 UJ	280 UJ	66 UJ	1400 UJ
Benzo(a)anthracene	224 or MDL	***3700*** J	***3200*** J	***2600*** J	***72000*** J
Chrysene	400	***3240*** J	***2800*** J	***2500*** J	***64000*** J
bis(2-Ethylhexyl)phthalate	50,000	18 U	40 U	9.5 U	210

Summary of Semi-Volatile Organic Compounds in Soil Borings from Jacob Riis
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Consolidated Edison Company of New York, Inc.
Table 4-12

Sample ID Matrix Units Semivolatile Organic Compounds (ug/kg)	TAGM RSCO	B17-57 SOIL ug/Kg	B17-1012 SOIL ug/Kg	B19-1214 SOIL ug/Kg	B19-1618 SOIL ug/Kg
Di-n-octyl phthalate	50,000	19 UJ	41 UJ	9.9 UJ	210 UJ
Benzo(b)fluoranthene	1,100	***4600*** J	***2500*** J	***1600*** J	***44000*** J
Benzo(k)fluoranthene	1,100	***1600*** J	800 J	600 J	***16000*** J
Benzo(a)pyrene	61 or MDL	***3500*** J	***2400*** J	***2200*** J	***57000*** J
Indeno(1,2,3-cd)pyrene	3,200	620 J	310 J	370 J	***6500*** J
Dibenz(a,h)anthracene	14 or MDL	***300*** J	51 UJ	***180*** J	***1900*** J
Benzo(g,h,i)perylene	50,000	840 J	470 J	510 J	9800 J
Total Confident Conc. SVOC	500,000	46,820	208,450	47,910	***3,126,210***
Carcinogenic SVOCs in BaP Equivalents		4,740.4	3,037.0	2,868.0	71,950.0

Summary of Semi-Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-12

Sample ID Matrix Units Semivolatile Organic Compounds (ug/kg)	TAGM RSCO	B21-1415 SOIL ug/Kg	B21-1921 SOIL ug/Kg	B21-2325 SOIL ug/Kg	B22-57 SOIL ug/Kg	B22-1012 SOIL ug/Kg
Benzaldehyde	NC	200 U	49 U	39 U	390 U	410 U
Phenol	30 or MDL	83 U	21 U	17 U	160 U	170 U
bis(2-Chloroethyl)ether	NC	98 U	25 U	20 U	190 U	210 U
2-Chlorophenol	800	86 U	22 U	17 U	170 U	180 U
2-Methylphenol	100 or MDL	130 U	32 U	25 U	250 U	260 U
2,2-oxybis(1-Chloropropane)	NC	110 U	27 U	22 U	210 U	230 U
Acetophenone	NC	100 U	26 U	21 U	210 U	220 U
3+4-Methylphenols	900	92 U	23 U	18 U	180 U	190 U
N-Nitroso-di-n-propylamine	NC	88 U	22 U	18 U	170 U	180 U
Hexachloroethane	NC	95 U	24 U	19 U	190 U	200 U
Nitrobenzene	200 or MDL	100 U	26 U	20 U	200 U	210 U
Isophorone	4,400	74 U	19 U	15 U	150 U	160 U
2-Nitrophenol	330 or MDL	80 U	20 U	16 U	160 U	170 U
2,4-Dimethylphenol	NC	110 U	27 U	22 U	210 U	230 U
bis(2-Chloroethoxy)methane	NC	91 U	23 U	18 U	180 U	190 U
2,4-Dichlorophenol	400	70 U	18 U	14 U	140 U	150 U
Naphthalene	13,000	43 U	690	8.7 U	86 U	***22000***
4-Chloroaniline	220 or MDL	740 U	190 U	150 U	1500 U	1500 U
Hexachlorobutadiene	NC	70 U	18 U	14 U	140 U	150 U
Caprolatam	NC	74 U	19 U	15 U	150 U	150 U
4-Chloro-3-methylphenol	240 or MDL	59 U	15 U	12 U	120 U	120 U
2-Methylnaphthalene	36,400	34 U	380 J	6.9 U	500 J	1800 J
Hexachlorocyclopentadiene	NC	50 U	13 U	10 U	99 U	110 U
2,4,6-Trichlorophenol	NC	72 U	18 U	15 U	140 U	150 U
2,4,5-Trichlorophenol	100	130 U	33 U	27 U	260 U	280 U
1,1-Biphenyl	NC	59 U	15 U	12 U	120 U	120 U
2-Chloronaphthalene	NC	42 U	10 U	8.4 U	82 U	87 U
2-Nitroaniline	430 or MDL	72 U	18 U	15 U	140 U	150 U
Dimethylphthalate	2,000	48 U	12 U	9.6 U	94 U	100 U

Summary of Semi-Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-12

Sample ID Matrix Units Semivolatile Organic Compounds (ug/kg)	TAGM RSCO	B21-1415 SOIL ug/Kg	B21-1921 SOIL ug/Kg	B21-2325 SOIL ug/Kg	B22-57 SOIL ug/Kg	B22-1012 SOIL ug/Kg
Acenaphthylene	41,000	60 U	360 J	12 U	3000 J	3900 J
2,6-Dinitrotoluene	1,000	85 U	21 U	17 U	170 U	180 U
3-Nitroaniline	500 or MDL	320 U	81 U	65 U	640 U	680 U
Acenaphthene	50,000	1100 J	1800	8.9 U	87 U	13000 J
2,4-Dinitrophenol	200 or MDL	88 U	22 U	18 U	170 UJ	180 UJ
4-Nitrophenol	100 or MDL	200 U	49 U	39 U	380 U	410 U
Dibenzofuran	6,200	66 U	17 U	13 U	130 U	1000 J
2,4-Dinitrotoluene	1,000	40 U	10 U	8.0 U	79 U	84 U
Diethylphthalate	7,100	63 U	16 U	13 U	120 U	130 U
4-Chlorophenyl-phenylether	NC	50 U	12 U	10 U	98 U	100 U
Fluorene	50,000	57 U	180 J	11 U	470 J	9250 J
4-Nitroaniline	NC	160 U	39 U	31 U	310 U	330 U
4,6-Dinitro-2-methylphenol	NC	120 U	29 U	23 U	230 UJ	240 UJ
N-Nitrosodiphenylamine	NC	51 U	13 U	10 U	100 U	110 U
4-Bromophenyl-phenylether	NC	53 U	13 U	11 U	100 U	110 U
Hexachlorobenzene	410	37 U	9.4 U	7.5 U	74 U	78 U
Atrazine	NC	61 U	15 U	12 U	120 U	130 U
Pentachlorophenol	1000 or MDL	62 U	16 U	13 U	120 U	130 U
Phenanthrene	50,000	930 J	980	9.0 U	1900 J	32000 J
Anthracene	50,000	430 J	390 J	9.6 U	790 J	8600 J
Carbazole	NC	44 U	11 U	8.9 U	87 U	92 U
Di-n-butylphthalate	8,100	27 U	6.7 U	5.3 U	52 UJ	56 UJ
Fluoranthene	50,000	4700	2800	50 J	8860 J	15000 J
Pyrene	50,000	4800	4000	51 J	16700 J	27000 J
Butylbenzylphthalate	50,000	67 U	17 U	13 U	130 U	140 U
3,3-Dichlorobenzidine	NA	320 U	81 U	64 U	630 UJ	670 UJ
Benzo(a)anthracene	224 or MDL	***2400***	***2200***	6.1 U	***8900*** J	***10000*** J
Chrysene	400	***2400***	***1900***	13 U	***8040*** J	***9500*** J
bis(2-Ethylhexyl)phthalate	50,000	46 U	12 U	42 J	91 U	96 U

Summary of Semi-Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-12

Sample ID Matrix Units Semivolatile Organic Compounds (ug/kg)	TAGM RSCO	B21-1415 SOIL ug/Kg	B21-1921 SOIL ug/Kg	B21-2325 SOIL ug/Kg	B22-57 SOIL ug/Kg	B22-1012 SOIL ug/Kg
Di-n-octyl phthalate	50,000	48 U	12 U	9.6 U	94 UJ	100 UJ
Benzo(b)fluoranthene	1,100	***2900***	***1300***	21 U	***7600*** J	***7300*** J
Benzo(k)fluoranthene	1,100	920 J	600	14 U	***3400*** J	***2500*** J
Benzo(a)pyrene	61 or MDL	***2300***	***1800***	6.9 U	***8600*** J	***8900*** J
Indeno(1,2,3-cd)pyrene	3,200	890 J	360 J	9.7 U	2300 J	2000 J
Dibenz(a,h)anthracene	14 or MDL	59 U	***72*** J	12 U	***460*** J	120 UJ
Benzo(g,h,i)perylene	50,000	1000 J	430 J	17 U	2800 J	2600 J
Total Confident Conc. SVOC	500,000	24,770	20,242	143	74,320	176,350
Carcinogenic SVOCs in BaP Equivalents		2,952.2	2,283.0	ND	11,054.4	10,950.0

Summary of Semi-Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-12

Sample ID Matrix Units Semivolatile Organic Compounds (ug/kg)	TAGM RSCO	B23-57 SOIL ug/Kg	B23-1921 SOIL ug/Kg	B23-2325 SOIL ug/Kg	B27-1012 SOIL ug/Kg	B57-1012 SOIL ug/Kg Duplicate
Benzaldehyde	NC	40 U	2900 U	50 U	41 U	49 U
Phenol	30 or MDL	17 U	1200 U	21 U	17 U	21 U
bis(2-Chloroethyl)ether	NC	20 U	1500 U	25 U	20 U	25 U
2-Chlorophenol	800	18 U	1300 U	22 U	18 U	22 U
2-Methylphenol	100 or MDL	26 U	1900 U	32 U	26 U	32 U
2,2-oxybis(1-Chloropropane)	NC	22 U	1600 U	28 U	22 U	27 U
Acetophenone	NC	21 U	1600 U	27 U	22 U	26 U
3+4-Methylphenols	900	19 U	1400 U	23 U	19 U	23 U
N-Nitroso-di-n-propylamine	NC	18 U	1300 U	23 U	18 U	22 U
Hexachloroethane	NC	20 U	1400 U	24 U	20 U	24 U
Nitrobenzene	200 or MDL	21 U	1500 U	26 U	21 U	26 U
Isophorone	4,400	15 U	1100 U	19 U	15 U	19 U
2-Nitrophenol	330 or MDL	16 U	1200 U	21 U	17 U	20 U
2,4-Dimethylphenol	NC	22 U	1600 U	28 U	22 U	27 U
bis(2-Chloroethoxy)methane	NC	19 U	1400 U	23 U	19 U	23 U
2,4-Dichlorophenol	400	14 U	1000 U	18 U	15 U	18 U
Naphthalene	13,000	91 J	***2100000*** J	4000 J	4800	***21000***
4-Chloroaniline	220 or MDL	150 U	11000 U	190 U	150 U	190 U
Hexachlorobutadiene	NC	14 U	1000 U	18 U	15 U	18 U
Caprolatam	NC	15 U	1100 U	19 U	15 U	19 U
4-Chloro-3-methylphenol	240 or MDL	12 U	880 U	15 U	12 U	15 U
2-Methylnaphthalene	36,400	47 J	***1100000*** J	1800 J	1800	5800
Hexachlorocyclopentadiene	NC	10 U	750 U	13 U	10 U	13 U
2,4,6-Trichlorophenol	NC	15 U	1100 U	19 U	15 U	18 U
2,4,5-Trichlorophenol	100	27 U	2000 U	34 U	27 U	33 U
1,1-Biphenyl	NC	12 U	880 U	270 J	270 J	580
2-Chloronaphthalene	NC	8.5 U	620 U	11 U	8.6 U	10 U
2-Nitroaniline	430 or MDL	15 U	1100 U	19 U	15 U	18 U
Dimethylphthalate	2,000	9.8 U	710 U	12 U	9.9 U	12 U

Summary of Semi-Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-12

Sample ID Matrix Units Semivolatile Organic Compounds (ug/kg)	TAGM RSCO	B23-57 SOIL ug/Kg	B23-1921 SOIL ug/Kg	B23-2325 SOIL ug/Kg	B27-1012 SOIL ug/Kg	B57-1012 SOIL ug/Kg Duplicate
Acenaphthylene	41,000	48 J	***230000*** J	360 J	580	840
2,6-Dinitrotoluene	1,000	17 U	1300 U	22 U	18 U	21 U
3-Nitroaniline	500 or MDL	66 U	4800 U	83 U	67 U	81 U
Acenaphthene	50,000	9.0 U	***630000*** J	1600 J	960	2300
2,4-Dinitrophenol	200 or MDL	18 U	1300 R	23 U	18 U	22 U
4-Nitrophenol	100 or MDL	40 U	2900 U	50 U	40 U	49 U
Dibenzofuran	6,200	13 U	***350000*** J	580 J	140 J	350 J
2,4-Dinitrotoluene	1,000	8.2 U	***270000*** J	10 U	8.3 U	10 U
Diethylphthalate	7,100	13 U	930 U	16 U	13 U	16 U
4-Chlorophenyl-phenylether	NC	10 U	740 U	13 U	10 U	12 U
Fluorene	50,000	12 U	***680000*** J	1600 J	660	1600
4-Nitroaniline	NC	32 U	2300 U	40 U	32 U	39 U
4,6-Dinitro-2-methylphenol	NC	24 U	1700 U	30 U	24 U	29 U
N-Nitrosodiphenylamine	NC	10 U	750 U	13 U	11 U	13 U
4-Bromophenyl-phenylether	NC	11 U	780 U	13 U	11 U	13 U
Hexachlorobenzene	410	7.7 U	560 U	9.6 U	7.8 U	9.4 U
Atrazine	NC	12 U	910 U	16 U	13 U	15 U
Pentachlorophenol	1000 or MDL	13 U	920 U	16 U	13 U	16 U
Phenanthrene	50,000	120 J	***1300000***	4500 D	2000	3900
Anthracene	50,000	9.8 U	***680000*** J	2300 J	550	1300
Carbazole	NC	9.0 U	130000 J	290 J	54 J	140 J
Di-n-butylphthalate	8,100	76 J	390 U	6.8 U	5.5 U	6.7 U
Fluoranthene	50,000	65 J	***850000*** J	3200 J	1400	1900
Pyrene	50,000	70 J	***550000***	3600	1800	3200
Butylbenzylphthalate	50,000	14 U	1000 U	17 U	14 U	17 U
3,3-Dichlorobenzidine	NA	66 U	4800 U	82 U	67 U	81 U
Benzo(a)anthracene	224 or MDL	47 J	***300000*** J	***1200*** J	***970***	***1000***
Chrysene	400	48 J	***200000***	***1300***	***910***	***1100***
bis(2-Ethylhexyl)phthalate	50,000	110 J	680 U	170 J	9.5 U	12 U

Summary of Semi-Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-12

Sample ID Matrix Units Semivolatile Organic Compounds (ug/kg)	TAGM RSCO	B23-57 SOIL ug/Kg	B23-1921 SOIL ug/Kg	B23-2325 SOIL ug/Kg	B27-1012 SOIL ug/Kg	B57-1012 SOIL ug/Kg Duplicate
Di-n-octyl phthalate	50,000	9.8 U	710 U	12 U	9.9 U	12 U
Benzo(b)fluoranthene	1,100	51 J	***390000*** J	650 J	540	930
Benzo(k)fluoranthene	1,100	14 U	***160000*** J	670 J	610 J	690 J
Benzo(a)pyrene	61 or MDL	42 J	***390000*** J	***450*** J	***1000***	***1200***
Indeno(1,2,3-cd)pyrene	3,200	9.9 U	***26000*** J	93 J	240 J	280 J
Dibenz(a,h)anthracene	14 or MDL	12 U	***23000*** J	***88*** J	12 U	15 U
Benzo(g,h,i)perylene	50,000	18 U	***57000*** J	220 J	340 J	270 J
Total Confident Conc. SVOC	500,000	815	***10,416,000***	28,941	19,624	48,380
Carcinogenic SVOCs in BaP Equivalents		52.3	488,200.0	752.0	1,190.2	1,438.9

Summary of Semi-Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-12

Sample ID Matrix Units Semivolatile Organic Compounds (ug/kg)	TAGM RSCO	B32-57 SOIL ug/Kg	B32-1315 SOIL ug/Kg	B32-2123 SOIL ug/Kg	B32-3537 SOIL ug/Kg	B33-45 SOIL ug/Kg	B33-79 SOIL ug/Kg
Benzaldehyde	NC	180 U	47 U	77 U	43 U	40 U	39 U
Phenol	30 or MDL	78 U	20 U	33 U	18 U	17 U	16 U
bis(2-Chloroethyl)ether	NC	92 U	24 U	39 U	21 U	20 U	19 U
2-Chlorophenol	800	81 U	21 U	34 U	19 U	18 U	17 U
2-Methylphenol	100 or MDL	120 U	31 U	50 U	28 U	26 U	25 U
2,2-oxybis(1-Chloropropane)	NC	100 U	26 U	43 U	24 U	22 U	21 U
Acetophenone	NC	97 U	25 U	41 U	23 U	21 U	21 U
3+4-Methylphenols	900	86 U	22 U	36 U	20 U	19 U	18 U
N-Nitroso-di-n-propylamine	NC	82 U	21 U	35 U	19 U	18 U	17 U
Hexachloroethane	NC	89 U	23 U	38 U	21 U	20 U	19 U
Nitrobenzene	200 or MDL	95 U	25 U	40 U	22 U	21 U	20 U
Isophorone	4,400	69 U	18 U	29 U	16 U	15 U	15 U
2-Nitrophenol	330 or MDL	75 U	19 U	32 U	18 U	16 U	16 U
2,4-Dimethylphenol	NC	100 U	26 U	43 U	24 U	22 U	21 U
bis(2-Chloroethoxy)methane	NC	85 U	22 U	36 U	20 U	19 U	18 U
2,4-Dichlorophenol	400	65 U	17 U	28 U	15 U	14 U	14 U
Naphthalene	13,000	1300 J	6900	***120000***	740	330 J	***75000*** D
4-Chloroaniline	220 or MDL	690 U	180 U	290 U	160 U	150 U	150 U
Hexachlorobutadiene	NC	65 U	17 U	28 U	15 U	14 U	14 U
Caprolatam	NC	69 U	18 U	29 U	16 U	15 U	15 U
4-Chloro-3-methylphenol	240 or MDL	55 U	14 U	23 U	13 U	12 U	12 U
2-Methylnaphthalene	36,400	520 J	1200	17000	160 J	7.1 U	16000 JD
Hexachlorocyclopentadiene	NC	47 U	12 U	20 U	11 U	10 U	9.9 U
2,4,6-Trichlorophenol	NC	68 U	18 U	29 U	16 U	15 U	14 U
2,4,5-Trichlorophenol	100	120 U	32 U	52 U	29 U	27 U	26 U
1,1-Biphenyl	NC	270 J	110 J	1600	13 U	12 U	2500
2-Chloronaphthalene	NC	39 U	10 U	16 U	9.1 U	8.5 U	8.2 U
2-Nitroaniline	430 or MDL	68 U	18 U	29 U	16 U	15 U	14 U
Dimethylphthalate	2,000	45 U	12 U	19 U	10 U	9.8 U	9.4 U

Summary of Semi-Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-12

Sample ID Matrix Units Semivolatile Organic Compounds (ug/kg)	TAGM RSCO	B32-57 SOIL ug/Kg	B32-1315 SOIL ug/Kg	B32-2123 SOIL ug/Kg	B32-3537 SOIL ug/Kg	B33-45 SOIL ug/Kg	B33-79 SOIL ug/Kg
Acenaphthylene	41,000	470 J	14 U	490 J	13 U	12 U	2700
2,6-Dinitrotoluene	1,000	79 U	21 U	34 U	19 U	17 U	17 U
3-Nitroaniline	500 or MDL	300 U	78 U	130 U	70 U	66 U	64 U
Acenaphthene	50,000	1600 J	530	7600	84 J	54 J	10000 D
2,4-Dinitrophenol	200 or MDL	82 U	21 U	35 U	19 U	18 U	17 U
4-Nitrophenol	100 or MDL	180 U	47 U	77 U	43 U	40 U	38 U
Dibenzofuran	6,200	61 U	16 U	340 J	14 U	13 U	580 U
2,4-Dinitrotoluene	1,000	37 U	9.6 U	16 U	8.7 U	8.2 U	7.9 U
Diethylphthalate	7,100	59 U	15 U	25 U	14 U	13 U	12 U
4-Chlorophenyl-phenylether	NC	46 U	12 U	20 U	11 U	10 U	9.8 U
Fluorene	50,000	1400 J	200 J	3200	12 U	12 U	4700 D
4-Nitroaniline	NC	150 U	38 U	62 U	34 U	32 U	31 U
4,6-Dinitro-2-methylphenol	NC	110 U	28 U	46 U	25 U	24 U	23 U
N-Nitrosodiphenylamine	NC	47 U	12 U	20 U	11 U	10 U	10 U
4-Bromophenyl-phenylether	NC	49 U	13 U	21 U	11 U	11 U	10 U
Hexachlorobenzene	410	35 U	9.1 U	15 U	8.2 U	7.7 U	7.4 U
Atrazine	NC	57 U	15 U	24 U	13 U	12 U	12 U
Pentachlorophenol	1000 or MDL	58 U	15 U	25 U	14 U	13 U	12 U
Phenanthrene	50,000	5300	630	9800	120 J	48 J	9400 ED
Anthracene	50,000	1300 J	170 J	2600	10 U	9.8 U	3500 D
Carbazole	NC	41 U	11 U	84 J	9.6 U	9.0 U	250 J
Di-n-butylphthalate	8,100	25 U	6.4 U	10 U	5.8 U	5.4 U	5.2 U
Fluoranthene	50,000	2200	220 J	3000	45 J	65 J	4500 D
Pyrene	50,000	3700	360 J	4900	72 J	74 J	7000 D
Butylbenzylphthalate	50,000	63 U	16 U	26 U	15 U	14 U	13 U
3,3-Dichlorobenzidine	NA	300 U	78 U	130 U	70 U	66 U	63 U
Benzo(a)anthracene	224 or MDL	***1700*** J	180 J	***2100***	6.6 U	140 J	***2500***
Chrysene	400	***1500*** J	170 J	***1900***	14 U	150 J	***2500***
bis(2-Ethylhexyl)phthalate	50,000	43 U	11 U	18 U	47 J	9.4 U	85 J

Summary of Semi-Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-12

Sample ID		B32-57	B32-1315	B32-2123	B32-3537	B33-45	B33-79
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semivolatile Organic Compounds (ug/kg)	TAGM RSCO						
Di-n-octyl phthalate	50,000	45 U	12 U	19 U	10 U	9.8 U	9.4 U
Benzo(b)fluoranthene	1,100	***1200*** J	96 J	***1200***	23 U	280 J	***1300***
Benzo(k)fluoranthene	1,100	470 J	56 J	560 J	15 U	110 J	1100
Benzo(a)pyrene	61 or MDL	***1200*** J	***140*** J	***1600***	7.5 U	***250*** J	***2000***
Indeno(1,2,3-cd)pyrene	3,200	350 J	56 J	510 J	11 U	110 J	120 J
Dibenz(a,h)anthracene	14 or MDL	55 U	14 U	***98*** J	13 U	12 U	***63*** J
Benzo(g,h,i)perylene	50,000	440 J	64 J	540 J	19 U	130 J	400
Total Confident Conc. SVOC	500,000	24,920	11,082	179,122	1,268	1,741	145,618
Carcinogenic SVOCs in BaP Equivalents		1,544.7	175.5	2,103.6	ND	305.6	2,491.0

Summary of Semi-Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-12

Sample ID Matrix Units Semivolatile Organic Compounds (ug/kg)	TAGM RSCO	B34-57 SOIL ug/Kg	B34-1719 SOIL ug/Kg	B35-57 SOIL ug/Kg	B37-57 SOIL ug/Kg	B37-1113 SOIL ug/Kg
Benzaldehyde	NC	760 U	830 U	800 U	370 U	39 U
Phenol	30 or MDL	320 U	350 U	340 U	160 U	17 U
bis(2-Chloroethyl)ether	NC	380 U	420 U	400 U	190 U	20 U
2-Chlorophenol	800	330 U	370 U	350 U	160 U	17 U
2-Methylphenol	100 or MDL	490 U	540 U	520 U	240 U	25 U
2,2-oxybis(1-Chloropropane)	NC	420 U	460 U	440 U	210 U	22 U
Acetophenone	NC	400 U	440 U	430 U	200 U	21 U
3+4-Methylphenols	900	360 U	390 U	380 U	170 U	18 U
N-Nitroso-di-n-propylamine	NC	340 U	380 U	360 U	170 U	18 U
Hexachloroethane	NC	370 U	410 U	390 U	180 U	19 U
Nitrobenzene	200 or MDL	390 U	430 U	410 U	190 U	20 U
Isophorone	4,400	290 U	320 U	300 U	140 U	15 U
2-Nitrophenol	330 or MDL	310 U	340 U	330 U	150 U	16 U
2,4-Dimethylphenol	NC	420 U	460 U	440 U	210 U	22 U
bis(2-Chloroethoxy)methane	NC	350 U	390 U	370 U	170 U	18 U
2,4-Dichlorophenol	400	270 U	300 U	290 U	130 U	14 U
Naphthalene	13,000	1300 J	***250000***	1200 J	***92000*** J	***24000*** J
4-Chloroaniline	220 or MDL	2900 U	3100 U	3000 U	1400 U	150 U
Hexachlorobutadiene	NC	270 U	300 U	290 U	130 U	14 U
Caprolatam	NC	290 U	310 U	300 U	140 U	15 U
4-Chloro-3-methylphenol	240 or MDL	230 U	250 U	240 U	110 U	12 U
2-Methylnaphthalene	36,400	16000	***38000***	140 U	36000 J	9600 J
Hexachlorocyclopentadiene	NC	190 U	210 U	200 U	95 U	10 U
2,4,6-Trichlorophenol	NC	280 U	310 U	300 U	140 U	15 U
2,4,5-Trichlorophenol	100	510 U	560 U	540 U	250 U	27 U
1,1-Biphenyl	NC	230 U	21000	240 U	110 U	1500
2-Chloronaphthalene	NC	160 U	180 U	170 U	79 U	8.4 U
2-Nitroaniline	430 or MDL	280 U	310 U	300 U	140 U	15 U
Dimethylphthalate	2,000	180 U	200 U	190 U	91 U	9.6 U

Summary of Semi-Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-12

Sample ID Matrix Units Semivolatile Organic Compounds (ug/kg)	TAGM RSCO	B34-57 SOIL ug/Kg	B34-1719 SOIL ug/Kg	B35-57 SOIL ug/Kg	B37-57 SOIL ug/Kg	B37-1113 SOIL ug/Kg
Acenaphthylene	41,000	25000	2600 J	2100 J	500 J	800 J
2,6-Dinitrotoluene	1,000	330 U	360 U	350 U	160 U	17 U
3-Nitroaniline	500 or MDL	1200 U	1400 U	1300 U	610 U	65 U
Acenaphthene	50,000	44000 J	24000 J	180 U	1700 J	4100 J
2,4-Dinitrophenol	200 or MDL	340 UJ	380 UJ	360 UJ	1700 UD	18 U
4-Nitrophenol	100 or MDL	760 U	830 U	800 U	370 U	39 U
Dibenzofuran	6,200	3600 J	280 U	270 U	390 J	490 J
2,4-Dinitrotoluene	1,000	150 U	170 U	160 U	76 U	8 U
Diethylphthalate	7,100	240 U	270 U	260 U	120 U	13 U
4-Chlorophenyl-phenylether	NC	190 U	210 U	200 U	94 U	10 U
Fluorene	50,000	***52600*** J	14000 J	230 U	4000 J	3600 J
4-Nitroaniline	NC	610 U	670 U	640 UJ	300 U	32 U
4,6-Dinitro-2-methylphenol	NC	450 UJ	490 U	470 U	220 U	23 U
N-Nitrosodiphenylamine	NC	200 U	220 UJ	210 U	96 U	10 U
4-Bromophenyl-phenylether	NC	200 U	220 U	210 U	100 U	11 U
Hexachlorobenzene	410	150 U	160 U	150 U	71 U	7.5 U
Atrazine	NC	240 U	260 U	250 U	120 U	12 U
Pentachlorophenol	1000 or MDL	240 U	260 U	250 U	120 U	13 U
Phenanthrene	50,000	47200 J	***61000*** J	4500 J	15000	12000
Anthracene	50,000	47200 J	12000 J	960 J	2200 J	2700 J
Carbazole	NC	170 U	190 U	180 UJ	84 U	230 J
Di-n-butylphthalate	8,100	100 UJ	110 UJ	110 U	50 U	5.4 U
Fluoranthene	50,000	***93000*** J	19000 J	4300 J	2900 J	3100 J
Pyrene	50,000	***170000*** J	37000 J	7400 J	6300	5100
Butylbenzylphthalate	50,000	260 U	290 U	270 U	130 U	14 U
3,3-Dichlorobenzidine	NA	1200 UJ	1400 UJ	1300 U	610 U	65 U
Benzo(a)anthracene	224 or MDL	***70000*** J	***8500*** J	***3400*** J	***1700*** J	***1600*** J
Chrysene	400	***64000*** J	***8400*** J	***3600*** J	***1600*** J	***1700***
bis(2-Ethylhexyl)phthalate	50,000	180 U	200 U	190 U	87 U	120 J

Summary of Semi-Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-12

Sample ID Matrix Units Semivolatile Organic Compounds (ug/kg)	TAGM RSCO	B34-57 SOIL ug/Kg	B34-1719 SOIL ug/Kg	B35-57 SOIL ug/Kg	B37-57 SOIL ug/Kg	B37-1113 SOIL ug/Kg
Di-n-octyl phthalate	50,000	180 UJ	200 UJ	190 U	91 U	9.6 U
Benzo(b)fluoranthene	1,100	***58000*** J	***6200*** J	***4500*** J	960 J	920 J
Benzo(k)fluoranthene	1,100	***15000*** J	***2600*** J	***1800*** J	920 J	620 J
Benzo(a)pyrene	61 or MDL	***59000*** J	***9900*** J	***4100*** J	***1700*** J	***640*** J
Indeno(1,2,3-cd)pyrene	3,200	***8200*** J	3100 J	1000 J	600 J	84 J
Dibenz(a,h)anthracene	14 or MDL	***2300*** J	250 UJ	240 U	110 U	12 UJ
Benzo(g,h,i)perylene	50,000	11000 J	4900 J	1500 J	810 J	280 J
Total Confident Conc. SVOC	500,000	***787,400***	***522,200***	40,360	169,280	73,184
Carcinogenic SVOCs in BaP Equivalents		75,710.0	11,790.0	5,044.0	2,051.2	923.6

Summary of Semi-Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-12

Sample ID Matrix Units Semivolatile Organic Compounds (ug/kg)	TAGM RSCO	B38-1012 SOIL ug/Kg	B38-1618 SOIL ug/Kg	B39-1921 SOIL ug/Kg	B41-35 SOIL ug/Kg
Benzaldehyde	NC	82 U	39 U	51 U	38 U
Phenol	30 or MDL	35 U	17 U	22 U	16 U
bis(2-Chloroethyl)ether	NC	41 U	20 U	26 U	19 U
2-Chlorophenol	800	36 U	17 U	23 U	17 U
2-Methylphenol	100 or MDL	53 U	25 U	33 U	24 U
2,2-oxybis(1-Chloropropane)	NC	45 U	22 U	28 U	21 U
Acetophenone	NC	44 U	21 U	27 U	20 U
3+4-Methylphenols	900	38 U	18 U	24 U	18 U
N-Nitroso-di-n-propylamine	NC	37 U	18 U	23 U	17 U
Hexachloroethane	NC	40 U	19 U	25 U	18 U
Nitrobenzene	200 or MDL	42 U	20 U	27 U	20 U
Isophorone	4,400	31 U	15 U	19 U	14 U
2-Nitrophenol	330 or MDL	34 U	16 U	21 U	16 U
2,4-Dimethylphenol	NC	45 U	22 U	28 U	21 U
bis(2-Chloroethoxy)methane	NC	38 U	18 U	24 U	18 U
2,4-Dichlorophenol	400	29 U	14 U	18 U	14 U
Naphthalene	13,000	***19000*** JD	140 J	210 J	170 J
4-Chloroaniline	220 or MDL	310 U	150 U	190 U	140 U
Hexachlorobutadiene	NC	29 U	14 U	18 U	14 U
Caprolatam	NC	31 U	15 U	19 U	14 U
4-Chloro-3-methylphenol	240 or MDL	25 U	12 U	15 U	11 U
2-Methylnaphthalene	36,400	9800 D	110 J	69 J	72 J
Hexachlorocyclopentadiene	NC	21 U	10 U	13 U	9.7 U
2,4,6-Trichlorophenol	NC	30 U	15 U	19 U	14 U
2,4,5-Trichlorophenol	100	55 U	27 U	35 U	26 U
1,1-Biphenyl	NC	2000	12 U	15 U	11 U
2-Chloronaphthalene	NC	17 U	8.4 U	11 U	8.0 U
2-Nitroaniline	430 or MDL	30 U	15 U	19 U	14 U
Dimethylphthalate	2,000	20 U	9.6 U	12 J	9.2 U

Summary of Semi-Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-12

Sample ID Matrix Units Semivolatile Organic Compounds (ug/kg)	TAGM RSCO	B38-1012 SOIL ug/Kg	B38-1618 SOIL ug/Kg	B39-1921 SOIL ug/Kg	B41-35 SOIL ug/Kg
Acenaphthylene	41,000	3800 J	54 J	16 U	170 J
2,6-Dinitrotoluene	1,000	36 U	17 U	22 U	16 U
3-Nitroaniline	500 or MDL	130 U	65 U	84 U	62 U
Acenaphthene	50,000	4200 D	190 J	12 U	190 J
2,4-Dinitrophenol	200 or MDL	37 U	18 U	23 U	17 UJ
4-Nitrophenol	100 or MDL	82 U	39 U	51 U	38 U
Dibenzofuran	6,200	5600 J	51 J	17 U	56 J
2,4-Dinitrotoluene	1,000	17 U	8.0 U	10 U	7.7 U
Diethylphthalate	7,100	26 U	13 U	98 J	12 U
4-Chlorophenyl-phenylether	NC	21 U	10 U	13 U	9.6 U
Fluorene	50,000	6200 D	210 J	15 U	190 J
4-Nitroaniline	NC	65 U	31 U	41 U	30 UJ
4,6-Dinitro-2-methylphenol	NC	49 U	23 U	30 U	22 U
N-Nitrosodiphenylamine	NC	21 U	10 U	13 U	9.8 U
4-Bromophenyl-phenylether	NC	22 U	11 U	14 U	10 U
Hexachlorobenzene	410	16 U	7.5 U	9.8 U	7.2 U
Atrazine	NC	26 U	12 U	16 U	12 U
Pentachlorophenol	1000 or MDL	26 U	13 U	16 U	12 U
Phenanthrene	50,000	19000 JD	1200	170 J	1200
Anthracene	50,000	7300 D	190 J	12 U	310 J
Carbazole	NC	2200 J	8.9 U	12 U	62 J
Di-n-butylphthalate	8,100	11 U	5.3 U	130 J	120 J
Fluoranthene	50,000	17000 D	450	73 J	1000
Pyrene	50,000	1800	560	94 J	1300
Butylbenzylphthalate	50,000	28 U	13 U	18 U	70 J
3,3-Dichlorobenzidine	NA	130 U	65 U	84 U	62 U
Benzo(a)anthracene	224 or MDL	***6000*** J	190 J	7.9 U	***630***
Chrysene	400	***6000***	180 J	17 U	***610***
bis(2-Ethylhexyl)phthalate	50,000	1700	67 J	130 J	490

Summary of Semi-Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-12

Sample ID Matrix Units Semivolatile Organic Compounds (ug/kg)	TAGM RSCO	B38-1012 SOIL ug/Kg	B38-1618 SOIL ug/Kg	B39-1921 SOIL ug/Kg	B41-35 SOIL ug/Kg
Di-n-octyl phthalate	50,000	20 U	9.6 U	12 U	9.2 U
Benzo(b)fluoranthene	1,100	***5600*** J	100 J	28 U	560
Benzo(k)fluoranthene	1,100	***3400*** J	86 J	18 U	240 J
Benzo(a)pyrene	61 or MDL	***2500*** J	**160** J	9.0 U	***480***
Indeno(1,2,3-cd)pyrene	3,200	370 J	58 J	13 U	150 J
Dibenz(a,h)anthracene	14 or MDL	***170*** J	12 U	15 U	***53*** J
Benzo(g,h,i)perylene	50,000	1100 J	73 J	23 U	160 J
Total Confident Conc. SVOC	500,000	124,740	4,069	986	8,283
Carcinogenic SVOCs in BaP Equivalents		3,961.0	197.5	ND	675.5

Summary of Semi-Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-12

Sample ID Matrix Units Semivolatile Organic Compounds (ug/kg)	TAGM RSCO	B45-79 SOIL ug/Kg	B45-2224 SOIL ug/Kg	B45-3234 SOIL ug/Kg	B46-79 SOIL ug/Kg
Benzaldehyde	NC	190 U	200 U	800 U	35 U
Phenol	30 or MDL	83 U	86 U	340 U	15 U
bis(2-Chloroethyl)ether	NC	98 U	100 U	400 U	18 U
2-Chlorophenol	800	86 UJ	89 UJ	350 U	16 U
2-Methylphenol	100 or MDL	130 UJ	130 UJ	520 U	23 U
2,2-oxybis(1-Chloropropane)	NC	110 U	110 U	440 U	20 U
Acetophenone	NC	100 U	110 U	430 U	19 U
3+4-Methylphenols	900	91 UJ	94 UJ	380 U	17 U
N-Nitroso-di-n-propylamine	NC	88 U	91 U	360 U	16 U
Hexachloroethane	NC	95 U	98 U	390 U	17 U
Nitrobenzene	200 or MDL	100 UJ	100 UJ	420 U	18 U
Isophorone	4,400	74 U	76 U	300 U	13 U
2-Nitrophenol	330 or MDL	80 UJ	83 UJ	330 U	15 U
2,4-Dimethylphenol	NC	110 UJ	110 UJ	440 U	20 U
bis(2-Chloroethoxy)methane	NC	91 UJ	94 UJ	370 U	17 U
2,4-Dichlorophenol	400	70 UJ	72 UJ	290 U	13 U
Naphthalene	13,000	1300 J	***120000*** J	***1000000*** D	140 J
4-Chloroaniline	220 or MDL	730 UJ	760 UJ	3000 U	130 U
Hexachlorobutadiene	NC	70 U	72 U	290 U	13 U
Caprolatam	NC	73 U	76 U	300 U	13 U
4-Chloro-3-methylphenol	240 or MDL	59 UJ	61 UJ	240 U	11 U
2-Methylnaphthalene	36,400	2300 J	***92000*** J	***470000*** D	420
Hexachlorocyclopentadiene	NC	50 UJ	52 UJ	210 U	9.1 U
2,4,6-Trichlorophenol	NC	72 UJ	75 UJ	300 U	13 U
2,4,5-Trichlorophenol	100	130 UJ	140 UJ	540 U	24 U
1,1-Biphenyl	NC	750 J	8500	47000	53 J
2-Chloronaphthalene	NC	41 UJ	43 UJ	170 U	7.5 U
2-Nitroaniline	430 or MDL	72 UJ	75 UJ	300 U	13 U
Dimethylphthalate	2,000	47 UJ	49 UJ	200 U	8.6 U

Summary of Semi-Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-12

Sample ID Matrix Units Semivolatile Organic Compounds (ug/kg)	TAGM RSCO	B45-79 SOIL ug/Kg	B45-2224 SOIL ug/Kg	B45-3234 SOIL ug/Kg	B46-79 SOIL ug/Kg
Acenaphthylene	41,000	2900 J	5200 J	41000	11 U
2,6-Dinitrotoluene	1,000	85 UJ	88 UJ	350 U	15 U
3-Nitroaniline	500 or MDL	320 UJ	330 UJ	1300 U	58 U
Acenaphthene	50,000	4700 J	37000 J	***170000*** D	8.0 U
2,4-Dinitrophenol	200 or MDL	88 UJ	91 UJ	360 U	16 U
4-Nitrophenol	100 or MDL	190 U	200 U	800 U	35 U
Dibenzofuran	6,200	1400 J	3200	***29000***	12 U
2,4-Dinitrotoluene	1,000	40 UJ	41 UJ	160 U	7.2 U
Diethylphthalate	7,100	62 U	65 U	260 U	11 U
4-Chlorophenyl-phenylether	NC	49 UJ	51 UJ	200 U	9.0 U
Fluorene	50,000	6000 J	22000 J	***110000*** D	10 U
4-Nitroaniline	NC	160 UJ	160 UJ	640 U	28 U
4,6-Dinitro-2-methylphenol	NC	120 UJ	120 UJ	470 U	21 U
N-Nitrosodiphenylamine	NC	50 UJ	52 UJ	210 U	9.2 U
4-Bromophenyl-phenylether	NC	52 UJ	54 UJ	220 U	9.5 U
Hexachlorobenzene	410	37 UJ	39 UJ	150 U	6.8 U
Atrazine	NC	61 U	63 U	250 U	11 U
Pentachlorophenol	1000 or MDL	62 UJ	64 UJ	250 U	11 U
Phenanthrene	50,000	30000	***85000*** D	***310000*** D	67 J
Anthracene	50,000	6800	25000	***87000*** D	8.6 U
Carbazole	NC	910 J	930 J	9700	8.0 U
Di-n-butylphthalate	8,100	1700 J	590 J	110 U	4.8 U
Fluoranthene	50,000	13000	25000	***110000*** D	5.0 U
Pyrene	50,000	23000	40000	***150000*** D	61 J
Butylbenzylphthalate	50,000	67 U	69 U	270 U	12 U
3,3-Dichlorobenzidine	NA	320 UJ	330 UJ	1300 U	58 U
Benzo(a)anthracene	224 or MDL	***7200***	***12000***	***63000***	5.5 U
Chrysene	400	***7200***	***11000***	***58000***	11 U
bis(2-Ethylhexyl)phthalate	50,000	600 J	210 J	190 U	71 J

Summary of Semi-Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-12

Sample ID Matrix Units Semivolatile Organic Compounds (ug/kg)	TAGM RSCO	B45-79 SOIL ug/Kg	B45-2224 SOIL ug/Kg	B45-3234 SOIL ug/Kg	B46-79 SOIL ug/Kg
Di-n-octyl phthalate	50,000	47 U	49 U	200 U	8.6 U
Benzo(b)fluoranthene	1,100	***7100***	***6300***	***41000***	19 U
Benzo(k)fluoranthene	1,100	***3200***	***3900***	***19000*** J	12 U
Benzo(a)pyrene	61 or MDL	***7100***	***9300***	***49000***	6.2 U
Indeno(1,2,3-cd)pyrene	3,200	1200 J	1200 J	***7300*** J	8.7 U
Dibenz(a,h)anthracene	14 or MDL	***300*** J	***370*** J	***1700*** J	11 U
Benzo(g,h,i)perylene	50,000	1800 J	1700 J	8500	16 U
Total Confident Conc. SVOC	500,000	130,460	***510,400***	***2,781,200***	812
Carcinogenic SVOCs in BaP Equivalents		9,054.0	11,769.0	62,600.0	ND

Summary of Semi-Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-12

Sample ID Matrix Units Semivolatile Organic Compounds (ug/kg)	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detections	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
Benzaldehyde	NC	62	0	0.0%	0	0.0%	<35	<3,800
Phenol	30 or MDL	62	0	0.0%	0	0.0%	<15	<1,600
bis(2-Chloroethyl)ether	NC	62	0	0.0%	0	0.0%	<17	<1,900
2-Chlorophenol	800	62	0	0.0%	0	0.0%	<15	<1,700
2-Methylphenol	100 or MDL	62	0	0.0%	0	0.0%	<22	<2,400
2,2-oxybis(1-Chloropropane)	NC	62	0	0.0%	0	0.0%	<19	<2,100
Acetophenone	NC	62	0	0.0%	0	0.0%	<18	<2,000
3+4-Methylphenols	900	62	0	0.0%	0	0.0%	<16	<1,800
N-Nitroso-di-n-propylamine	NC	62	0	0.0%	0	0.0%	<16	<1,700
Hexachloroethane	NC	62	0	0.0%	0	0.0%	<17	<1,800
Nitrobenzene	200 or MDL	62	0	0.0%	0	0.0%	<18	<2,000
Isophorone	4,400	62	0	0.0%	0	0.0%	<13	<1,400
2-Nitrophenol	330 or MDL	62	0	0.0%	0	0.0%	<14	<1,600
2,4-Dimethylphenol	NC	62	0	0.0%	0	0.0%	<19	<2,100
bis(2-Chloroethoxy)methane	NC	62	0	0.0%	0	0.0%	<16	<1,800
2,4-Dichlorophenol	400	62	0	0.0%	0	0.0%	<12	<1,400
Naphthalene	13,000	62	54	87.1%	22	35.5%	<8.7	2,600,000
4-Chloroaniline	220 or MDL	62	0	0.0%	0	0.0%	<130	<14,000
Hexachlorobutadiene	NC	62	0	0.0%	0	0.0%	<12	<1,400
Caprolatam	NC	62	1	1.6%	0	0.0%	<13	<1,400
4-Chloro-3-methylphenol	240 or MDL	62	0	0.0%	0	0.0%	<10	<1,100
2-Methylnaphthalene	36,400	62	53	85.5%	7	11.3%	<6.9	1,800,000
Hexachlorocyclopentadiene	NC	62	0	0.0%	0	0.0%	<8.9	<970
2,4,6-Trichlorophenol	NC	62	0	0.0%	0	0.0%	<13	<1,400
2,4,5-Trichlorophenol	100	62	0	0.0%	0	0.0%	<23	<2,600
1,1-Biphenyl	NC	62	30	48.4%	0	0.0%	<10	47,000
2-Chloronaphthalene	NC	62	0	0.0%	0	0.0%	<7.4	<810
2-Nitroaniline	430 or MDL	62	0	0.0%	0	0.0%	<13	<1,400
Dimethylphthalate	2,000	62	0	0.0%	0	0.0%	<8.4	<920

Summary of Semi-Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-12

Sample ID Matrix Units Semivolatile Organic Compounds (ug/kg)	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detections	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
Acenaphthylene	41,000	62	45	72.6%	2	3.2%	<11	230,000
2,6-Dinitrotoluene	1,000	62	0	0.0%	0	0.0%	<15	<1,600
3-Nitroaniline	500 or MDL	62	1	1.6%	0	0.0%	<57	<6,200
Acenaphthene	50,000	62	47	75.8%	5	8.1%	<8.0	670,000
2,4-Dinitrophenol	200 or MDL	62	0	0.0%	0	0.0%	<16	<1,700
4-Nitrophenol	100 or MDL	62	1	1.6%	0	0.0%	<35	<3,800
Dibenzofuran	6,200	62	31	50.0%	6	9.7%	<12	350,000
2,4-Dinitrotoluene	1,000	62	4	6.5%	4	6.5%	<7.1	270,000
Diethylphthalate	7,100	62	1	1.6%	0	0.0%	<11	1,200
4-Chlorophenyl-phenylether	NC	62	0	0.0%	0	0.0%	<8.8	<960
Fluorene	50,000	62	48	77.4%	3	4.8%	<10	680,000
4-Nitroaniline	NC	62	0	0.0%	0	0.0%	<28	<3,000
4,6-Dinitro-2-methylphenol	NC	62	0	0.0%	0	0.0%	<21	<2,200
N-Nitrosodiphenylamine	NC	62	0	0.0%	0	0.0%	<9.0	<980
4-Bromophenyl-phenylether	NC	62	0	0.0%	0	0.0%	<9.3	<1000
Hexachlorobenzene	410	62	0	0.0%	0	0.0%	<6.6	<730
Atrazine	NC	62	0	0.0%	0	0.0%	<11	<1,200
Pentachlorophenol	1000 or MDL	62	0	0.0%	0	0.0%	<11	<1,200
Phenanthrene	50,000	62	61	98.4%	8	12.9%	<9.0	1,300,000
Anthracene	50,000	62	52	83.9%	5	8.1%	<8.6	680,000
Carbazole	NC	62	22	35.5%	0	0.0%	<7.8	130,000
Di-n-butylphthalate	8,100	62	10	16.1%	0	0.0%	<4.7	1,700
Fluoranthene	50,000	62	59	95.2%	7	11.3%	<5.0	850,000
Pyrene	50,000	62	59	95.2%	7	11.3%	<7.6	550,000
Butylbenzylphthalate	50,000	62	4	6.5%	0	0.0%	<12	<1,300
3,3-Dichlorobenzidine	NA	62	0	0.0%	0	0.0%	<57	6200
Benzo(a)anthracene	224 or MDL	62	56	90.3%	45	72.6%	<5.5	300,000
Chrysene	400	62	53	85.5%	42	67.7%	<11	210,000
bis(2-Ethylhexyl)phthalate	50,000	62	25	40.3%	0	0.0%	<8.5	1,700

Summary of Semi-Volatile Organic Compounds in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-12

Sample ID Matrix Units Semivolatile Organic Compounds (ug/kg)	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detections	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
Di-n-octyl phthalate	50,000	62	0	0.0%	0	0.0%	<8.4	<920
Benzo(b)fluoranthene	1,100	62	54	87.1%	32	51.6%	<19	390,000
Benzo(k)fluoranthene	1,100	62	50	80.6%	22	35.5%	<12	160,000
Benzo(a)pyrene	61 or MDL	62	55	88.7%	51	82.3%	<6.2	390,000
Indeno(1,2,3-cd)pyrene	3,200	62	43	69.4%	6	9.7%	<8.6	26,000
Dibenz(a,h)anthracene	14 or MDL	62	25	40.3%	19	30.6%	<10	23,000
Benzo(g,h,i)perylene	50,000	62	50	80.6%	1	1.6%	<15	57,000
Total Confident Conc. SVOC	500,000							
Carcinogenic SVOCs in BaP Equivalents								

Summary of Metals in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-13

Sample ID Units RCRA Metals	TAGM RSCO	B04-57 mg/Kg	B04-911 mg/Kg	B5-35 mg/Kg	B5-79 mg/Kg	B5-1719 mg/Kg	B6-34 mg/Kg
Arsenic	12	6.2	1.9	***17.8***	4.9	8.7	2.7
Barium	600	49.4	47.3	407	260	87.9	67.9
Cadmium	1	0.10 J	0.18 J	***1.7***	0.35 J	0.19 J	0.05 UJ
Chromium	40	12.0	15.1	18.2	12.6	7.5	9.3
Lead	500	54.3	38.1	***3330***	***1560***	***946***	224 J
Mercury	0.1	0.08	0.02	***0.37***	***0.33***	0.07	***0.18***
Selenium	3.9	0.35 UJ	0.49 J	2.3 J	0.87 J	0.41 J	0.36 U
Silver	SB	0.12 U	0.12 U	0.13 U	0.14 U	0.13 U	0.12 U

Summary of Metals in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-13

Sample ID Units RCRA Metals	TAGM RSCO	B07-57 mg/Kg	B07-1517 mg/Kg	B08-57 mg/Kg	B08-1214 mg/Kg	B10-45 mg/Kg	B10-911 mg/Kg
Arsenic	12	0.82 J	3.5	9.7 J	9.6 J	5.9	***19.8*** J
Barium	600	27.3	65.5	178 J	67.9 J	125	325
Cadmium	1	0.36 J	0.64 J	0.55 J	0.23 J	0.09 J	0.71 J
Chromium	40	8.2 J	9.5 J	28.7	20.1	9.6	13.3 J
Lead	500	7.4 J	51.4 J	309 J	163 J	315	***2160***
Mercury	0.1	0.02 J	***0.15*** J	***0.53*** J	***0.56*** J	0.05	0.05
Selenium	3.9	0.34 U	0.44 U	0.56 J	0.50 U	0.37 U	1.1 J
Silver	SB	0.11 U	0.41 J	0.13 U	0.17 U	0.12 U	1.0 J

Summary of Metals in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-13

Sample ID Units RCRA Metals	TAGM RSCO	B11-23 mg/Kg	B11-810 mg/Kg	B60-810 mg/Kg Duplicate	B11-2628 mg/Kg	B12-34 mg/Kg	B12-79 mg/Kg	B12-2123 mg/Kg
Arsenic	12	***17.8***	11.5	6.0	11.3	9.0	6.3 J	9.2
Barium	600	385	191	105	169	151	30.9	205
Cadmium	1	***1.4***	***2.0***	***1.8***	***1.3***	0.62	0.52 J	0.61 J
Chromium	40	14.0	28.0	13.3	21.8	8.9	10.9 J	38.7
Lead	500	***1090*** J	367 J	221 J	***558*** J	***515*** J	212	230
Mercury	0.1	***1.3*** D	***0.41*** J	***0.24*** J	***4.2*** J	***1.1*** D	***0.12***	***0.19***
Selenium	3.9	1.5	0.38 U	0.39 U	0.47 U	0.52 J	0.41 U	1.5 J
Silver	SB	0.12 UN	0.13 UJ	0.13 UJ	0.16 UJ	0.12 UN	0.14 UJ	0.19 U

Summary of Metals in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-13

Sample ID Units RCRA Metals	TAGM RSCO	B13-57 mg/Kg	B14-810 mg/Kg	B14-1416 mg/Kg	B15-810 mg/Kg	B15-1416 mg/Kg	B61-1416 mg/Kg Duplicate
Arsenic	12	1.3 J	11.6 J	5.8 J	4.6 J	4.6 J	2.7 J
Barium	600	33.9	256	59.9	81.4	144	64.2
Cadmium	1	0.24 J	0.95 J	0.46 J	0.33 J	0.14 J	0.24 J
Chromium	40	10.5 J	13.0 J	8.9 J	10.3 J	6.4 J	6.7 J
Lead	500	14.9	343	153	276	***822***	308
Mercury	0.1	0.03	***0.14***	***0.27***	0.05	***0.45***	***0.13***
Selenium	3.9	0.33 U	0.43 U	0.40 U	0.36 U	0.44 U	0.41 U
Silver	SB	0.11 UJ	0.15 UJ	0.14 UJ	0.12 UJ	0.15 UJ	0.14 UJ

Summary of Metals in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-13

Sample ID Units RCRA Metals	 TAGM RSCO	B16-1719 mg/Kg	B16-1921 mg/Kg	B17-57 mg/Kg	B17-1012 mg/Kg	B19-1214 mg/Kg	B19-1618 mg/Kg
Arsenic	12	***24.6*** J	***13.3*** J	4.4 J	3.9 J	3.8 J	6.9 J
Barium	600	275	71.7	85.9	56.0	106	126
Cadmium	1	0.44 J	0.45 J	0.86 J	0.55 J	0.42 J	0.34 J
Chromium	40	30.4	34.8	8.6 J	13.8 J	22.2 J	13.3 J
Lead	500	***749***	303	162	234	255	220
Mercury	0.1	***0.90*** D	***0.23***	***0.75*** D	***0.21***	***0.24***	***0.14***
Selenium	3.9	0.51 U	0.59 U	0.38 U	0.41 U	0.39 U	0.42 U
Silver	SB	0.17 R	0.20 R	0.13 UJ	0.63 UJ	0.13 UJ	0.14 UJ

Summary of Metals in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-13

Sample ID Units RCRA Metals	TAGM RSCO	B21-1415 mg/Kg	B21-1921 mg/Kg	B21-2325 mg/Kg	B22-57 mg/Kg	B22-1012 mg/Kg
Arsenic	12	8.6 J	8.4 J	2.2 J	7.4 J	10.6 J
Barium	600	179	108	10.8 J	303	37.3
Cadmium	1	0.71	0.36 J	0.06 U	0.67 J	***1.8*** J
Chromium	40	12.3	19.0	7.5	15.1 J	9.0 J
Lead	500	406	266	8.6	***1380***	282
Mercury	0.1	***0.50***	***0.34***	0.01 U	***1.1*** D	0.04
Selenium	3.9	0.38 U	0.47 U	0.38 U	0.38 U	0.40 U
Silver	SB	0.13 R	0.16 R	0.13 R	0.13 UJ	0.24 UJ

Summary of Metals in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-13

Sample ID Units RCRA Metals	 TAGM RSCO	B23-57 mg/Kg	B23-1921 mg/Kg	B23-2325 mg/Kg	B27-1012 mg/Kg	B57-1012 mg/Kg Duplicate
Arsenic	12	7.7	5.6	6.8	***12.3***	10.4
Barium	600	234	75.8	37.6	74.3	77.2
Cadmium	1	***1.2***	0.08 U	0.35 J	***1.1*** J	***1.3*** J
Chromium	40	8.0	15.0	21.9	19.8 J	17.4 J
Lead	500	435	140	105	222 J	267 J
Mercury	0.1	***0.56***	***0.27***	***0.13***	***0.27*** J	***0.29*** J
Selenium	3.9	0.64 J	2.1 J	0.89 J	0.40 U	0.46 U
Silver	SB	0.13 U	0.19 U	0.16 U	0.13 U	0.16 U

Summary of Metals in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-13

Sample ID Units RCRA Metals	 TAGM RSCO	B32-57 mg/Kg	B32-1315 mg/Kg	B32-2123 mg/Kg	B32-3537 mg/Kg	B33-45 mg/Kg	B33-79 mg/Kg
Arsenic	12	5.7	9.8 J	3.5 J	2.9 J	4.6	2.0
Barium	600	120	138	54.4	191	80.5	52.9
Cadmium	1	0.60	0.36 J	0.06 U	0.45 J	0.06 UJ	0.11 J
Chromium	40	15.8	28.0	14.7	33.4	9.1	10.8
Lead	500	***548***	***683***	105	22.0	220 J	155
Mercury	0.1	***1.7*** D	***1.5*** D	***0.62*** D	0.01 J	***0.71***	***0.28***
Selenium	3.9	0.36 U	0.46 U	0.37 U	0.42 U	0.39 U	0.68 J
Silver	SB	0.12 U	0.15 R	0.13 R	0.94 R	0.13 U	0.12 U

Summary of Metals in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-13

Sample ID Units RCRA Metals	TAGM RSCO	B34-57 mg/Kg	B34-1719 mg/Kg	B35-57 mg/Kg	B37-57 mg/Kg	B37-1113 mg/Kg	B38-1012 mg/Kg	B38-1618 mg/Kg
Arsenic	12	***25.0*** J	3.3 J	3.6	5.4	3.4	9.9	2.8
Barium	600	41.1	90.6	321	75.6	65.6	50.1	54.9
Cadmium	1	***3.0*** J	0.34 J	0.99	***1.7***	0.26 J	0.16 J	0.06 U
Chromium	40	9.3 J	9.2 J	11.0	10.1	12.6	8.8	7.8
Lead	500	***2440***	143	***564*** J	304	217	225	99.1
Mercury	0.1	***1.7*** D	***1.1*** D	***0.42*** J	***0.14***	***0.11***	***0.22***	***0.55***
Selenium	3.9	0.40 J	0.40 U	0.39 U	0.36 UJ	0.39 J	0.64 J	0.92 J
Silver	SB	4.0 J	0.13 UJ	0.13 UJ	0.18 J	0.13 U	0.13 U	0.13 U

Summary of Metals in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-13

Sample ID Units RCRA Metals	TAGM RSCO	B39-1921 mg/Kg	B41-35 mg/Kg	B45-79 mg/Kg	B45-2224 mg/Kg	B45-3234 mg/Kg	B46-79 mg/Kg
Arsenic	12	2.4	10.2	***13.9*** J	10.6 J	7.5	1.4
Barium	600	17.5 J	127	157 J	68.8 J	85.8	35.2
Cadmium	1	0.11 J	***1.7***	0.98	0.69	***1.2*** J	0.33 J
Chromium	40	14.3	24.1	28.2	10.9	21.6 J	11.7 J
Lead	500	35.2	***1140*** J	***711*** J	351 J	174 J	9.8 J
Mercury	0.1	0.01 U	***0.18*** J	***0.82***	0.07 J	***0.22*** J	0.04 J
Selenium	3.9	0.50 J	0.37 U	2.0	1.6	0.39 U	0.35 U
Silver	SB	0.17 U	0.12 UJ	0.13 U	0.13 U	0.13 U	0.12 U

Summary of Metals in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-13

Sample ID Units RCRA Metals	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detections	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
Arsenic	12	60	60	100%	8	13%	0.82	25.0
Barium	600	60	60	100%	0	0%	27.3	407
Cadmium	1	60	54	90%	13	22%	<0.05	3.0
Chromium	40	60	60	100%	0	0%	6.4	38.7
Lead	500	60	60	100%	16	27%	7.4	3,330
Mercury	0.1	60	58	97%	46	77%	<0.01	4.2
Selenium	3.9	60	20	33%	0	0%	<0.33	2.3
Silver	SB	60	4	7%	0	0%	<0.11	4.0

Summary of PCBs in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-14

Sample ID Units PCBs	 TAGM RSCO	B04-57 ug/Kg	B04-911 ug/Kg	B5-35 ug/Kg	B5-79 ug/Kg	B5-1719 ug/Kg	B6-34 ug/Kg	B07-57 ug/Kg	B07-1517 ug/Kg
Aroclor-1016	10,000	5.7 U	5.7 U	6.5 U	6.8 U	6.5 U	5.9 U	5.5 U	7.2 U
Aroclor-1221	10,000	3.9 U	3.9 U	4.4 U	4.6 U	4.4 U	4.0 U	3.8 U	4.9 U
Aroclor-1232	10,000	2.6 U	2.6 U	3.0 U	3.1 U	3.0 U	2.7 U	2.5 U	3.3 U
Aroclor-1242	10,000	3.4 U	3.4 U	3.8 U	4.0 U	3.8 U	3.5 U	3.3 U	4.3 U
Aroclor-1248	10,000	4.0 U	4.0 U	4.5 U	4.8 U	4.5 U	4.1 U	3.9 U	5.0 U
Aroclor-1254	10,000	1.5 U	1.5 U	1.7 U	1.8 U	1.7 U	1.5 U	1.4 U	1.9 U
Aroclor-1260	10,000	3.2 U	3.2 U	3.7 U	3.8 U	3.7 U	3.3 U	3.1 U	4.1 U

Summary of PCBs in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-14

Sample ID Units PCBs	 TAGM RSCO	B08-57 ug/Kg	B08-1214 ug/Kg	B10-45 ug/Kg	B10-911 ug/Kg
Aroclor-1016	10,000	6.3 U	8.3 U	6.0 U	8.8 U
Aroclor-1221	10,000	4.3 U	5.7 U	4.1 U	6.0 U
Aroclor-1232	10,000	2.9 U	3.8 U	2.8 U	4.1 U
Aroclor-1242	10,000	3.7 U	4.9 U	3.6 U	5.2 U
Aroclor-1248	10,000	4.4 U	5.8 U	4.2 U	6.2 U
Aroclor-1254	10,000	1.6 U	2.2 U	1.6 U	2.3 U
Aroclor-1260	10,000	3.6 U	4.7 U	3.4 U	5.0 U

Summary of PCBs in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-14

Sample ID Units PCBs	 TAGM RSCO	B11-23 ug/Kg	B11-810 ug/Kg	B60-810 ug/Kg Duplicate	B11-1820 ug/Kg	B11-2628 ug/Kg	B12-34 ug/Kg	B12-79 ug/Kg	B12-2123 ug/Kg
Aroclor-1016	10,000	12 U	6.4 U	6.3 U	7.8 U	7.9 U	12 U	6.9 U	9.2 U
Aroclor-1221	10,000	8.3 U	1.6 U	1.6 U	2.0 U	2.0 U	7.9 U	4.7 U	6.2 U
Aroclor-1232	10,000	5.6 U	9.9 U	9.7 U	12 U	12 U	5.3 U	3.2 U	4.2 U
Aroclor-1242	10,000	7.2 U	2.7 U	2.7 U	3.3 U	3.3 U	6.9 U	4.1 U	5.4 U
Aroclor-1248	10,000	8.5 U	6.8 U	6.7 U	8.3 U	8.3 U	8.1 U	4.8 U	6.4 U
Aroclor-1254	10,000	3.1 U	13 U	13 U	16 U	16 U	3.0 U	1.8 U	2.4 U
Aroclor-1260	10,000	6.9 U	2.5 U	2.4 U	3.0 U	3.0 U	6.5 U	3.9 U	5.2 U

Summary of PCBs in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-14

Sample ID Units PCBs	TAGM RSCO	B13-57 ug/Kg	B14-810 ug/Kg	B14-1416 ug/Kg	B15-810 ug/Kg	B15-1416 ug/Kg	B61-1416 ug/Kg Duplicate
Aroclor-1016	10,000	5.5 U	7.2 U	6.6 U	6.0 U	7.3 U	6.7 U
Aroclor-1221	10,000	3.8 U	4.9 U	4.5 U	4.1 U	5.0 U	4.6 U
Aroclor-1232	10,000	2.5 U	3.3 U	3.1 U	2.8 U	3.4 U	3.1 U
Aroclor-1242	10,000	3.3 U	4.3 U	3.9 U	3.6 U	4.3 U	4.0 U
Aroclor-1248	10,000	3.9 U	5.0 U	4.6 U	4.2 U	5.1 U	4.7 U
Aroclor-1254	10,000	1.4 U	1.9 U	1.7 U	1.6 U	1.9 U	1.7 U
Aroclor-1260	10,000	3.1 U	4.1 U	3.7 U	3.4 U	4.1 U	3.8 U

Summary of PCBs in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-14

Sample ID Units PCBs	 TAGM RSCO	B16-57 ug/Kg	B16-1719 ug/Kg	B16-1921 ug/Kg	B17-57 ug/Kg	B17-1012 ug/Kg	B19-1214 ug/Kg	B19-1618 ug/Kg
Aroclor-1016	10,000	6.1 U	8.4 U	9.6 U	6.3 U	6.8 U	6.4 U	6.9 U
Aroclor-1221	10,000	4.2 U	5.7 U	6.6 U	4.3 U	4.6 U	4.4 U	4.7 U
Aroclor-1232	10,000	2.8 U	3.9 U	4.4 U	2.9 U	3.1 U	3.0 U	3.2 U
Aroclor-1242	10,000	3.6 U	5 U	5.7 U	3.7 U	4.0 U	3.8 U	4.1 U
Aroclor-1248	10,000	4.3 U	5.9 U	6.8 U	4.4 U	4.8 U	4.5 U	4.9 U
Aroclor-1254	10,000	1.6 U	2.2 U	2.5 U	1.6 U	1.8 U	1.7 U	1.8 U
Aroclor-1260	10,000	3.5 U	4.7 U	5.4 U	3.5 U	3.8 U	3.6 U	3.9 U

Summary of PCBs in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-14

Sample ID Units PCBs	 TAGM RSCO	B21-1415 ug/Kg	B21-1921 ug/Kg	B21-2325 ug/Kg	B22-57 ug/Kg	B22-1012 ug/Kg	B23-57 ug/Kg	B23-1921 ug/Kg	B23-2325 ug/Kg
Aroclor-1016	10,000	6.3 U	7.9 U	6.3 U	6.2 U	6.6 U	6.4 U	9.3 U	8.0 U
Aroclor-1221	10,000	4.3 U	5.4 U	4.3 U	4.2 U	4.5 U	4.4 U	6.4 U	5.5 U
Aroclor-1232	10,000	2.9 U	3.6 U	2.9 U	2.9 U	3.1 U	3.0 U	4.3 U	3.7 U
Aroclor-1242	10,000	3.7 U	4.7 U	3.7 U	3.7 U	3.9 U	3.8 U	5.5 U	4.8 U
Aroclor-1248	10,000	4.4 U	5.5 U	4.4 U	4.4 U	4.7 U	4.5 U	6.5 U	5.6 U
Aroclor-1254	10,000	1.6 U	2 U	1.6 U	1.6 U	1.7 U	1.7 U	2.4 U	2.1 U
Aroclor-1260	10,000	3.6 U	4.4 U	3.5 U	3.5 U	3.8 U	3.6 U	5.3 U	4.5 U

Summary of PCBs in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-14

Sample ID Units PCBs	 TAGM RSCO	B27-1012 ug/Kg	B57-1012 ug/Kg Duplicate	B32-57 ug/Kg	B32-1315 ug/Kg	B32-2123 ug/Kg	B32-3537 ug/Kg	B33-45 ug/Kg	B33-79 ug/Kg
Aroclor-1016	10,000	6.5 U	7.9 U	5.9 U	7.5 U	6.1 U	6.8 U	6.4 U	6.2 U
Aroclor-1221	10,000	4.4 U	5.4 U	4 U	5.1 U	4.2 U	4.6 U	4.4 U	4.2 U
Aroclor-1232	10,000	3.0 U	3.7 U	2.7 U	3.5 U	2.8 U	3.1 U	2.9 U	2.9 U
Aroclor-1242	10,000	3.9 U	4.7 U	3.5 U	4.5 U	3.6 U	4 U	3.8 U	3.7 U
Aroclor-1248	10,000	4.6 U	5.6 U	4.1 U	5.3 U	4.3 U	4.8 U	4.5 U	4.3 U
Aroclor-1254	10,000	1.7 U	2.0 U	1.5 U	1.9 U	1.6 U	1.8 U	1.7 U	1.6 U
Aroclor-1260	10,000	3.7 U	4.5 U	3.3 U	4.3 U	3.5 U	3.8 U	3.6 U	3.5 U

Summary of PCBs in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-14

Sample ID Units PCBs	 TAGM RSCO	B34-57 ug/Kg	B34-1719 ug/Kg	B35-57 ug/Kg	B37-57 ug/Kg	B37-1113 ug/Kg	B38-1012 ug/Kg	B38-1618 ug/Kg	B39-1921 ug/Kg
Aroclor-1016	10,000	6.0 U	6.6 U	6.4 U	5.9 U	6.4 U	6.5 U	6.3 U	8.2 U
Aroclor-1221	10,000	4.1 U	4.5 U	1.6 U	4.0 U	4.4 U	4.4 U	4.3 U	5.6 U
Aroclor-1232	10,000	2.8 U	3.1 U	9.9 U	2.7 U	3.0 U	3.0 U	2.9 U	3.8 U
Aroclor-1242	10,000	3.6 U	3.9 U	2.7 U	3.5 U	3.8 U	3.8 U	3.8 U	4.9 U
Aroclor-1248	10,000	4.2 U	4.7 U	6.8 U	4.1 U	4.5 U	4.5 U	4.4 U	5.8 U
Aroclor-1254	10,000	1.6 U	1.7 U	13 U	1.5 U	1.7 U	1.7 U	1.6 U	2.1 U
Aroclor-1260	10,000	3.4 U	3.8 U	2.5 U	3.3 U	3.6 U	3.7 U	3.6 U	4.7 U

Summary of PCBs in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-14

Sample ID Units PCBs	 TAGM RSCO	B41-35 ug/Kg	B45-79 ug/Kg	B45-2224 ug/Kg	B45-3234 ug/Kg	B46-79 ug/Kg
Aroclor-1016	10,000	6.0 U	6.2 U	6.5 U	6.4 U	5.7 U
Aroclor-1221	10,000	1.5 U	4.3 U	4.4 U	4.4 U	3.9 U
Aroclor-1232	10,000	9.3 U	2.9 U	3.0 U	3.0 U	2.6 U
Aroclor-1242	10,000	2.5 U	3.7 U	3.8 U	3.8 U	3.4 U
Aroclor-1248	10,000	6.4 U	4.4 U	4.5 U	4.5 U	4.0 U
Aroclor-1254	10,000	31	1.6 U	1.7 U	1.7 U	1.5 U
Aroclor-1260	10,000	2.3 U	3.5 U	3.6 U	3.6 U	3.2 U

Summary of PCBs in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-14

Sample ID Units PCBs	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detections	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
Aroclor-1016	10,000	62	0	0%	0	0%	<5.5	<9.3
Aroclor-1221	10,000	62	0	0%	0	0%	<1.5	<8.3
Aroclor-1232	10,000	62	0	0%	0	0%	<2.5	<12.0
Aroclor-1242	10,000	62	0	0%	0	0%	<2.7	<7.2
Aroclor-1248	10,000	62	0	0%	0	0%	<3.9	<8.5
Aroclor-1254	10,000	62	1	2%	0	0%	<1.4	31
Aroclor-1260	10,000	62	0	0%	0	0%	<2.4	<6.9

Summary of Cyanide in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-15

Sample ID Units	TAGM RSCO	B04-57 mg/Kg	B04-911 mg/Kg	B5-35 mg/Kg	B5-79 mg/Kg	B5-1719 mg/Kg	B6-34 mg/Kg	B07-57 mg/Kg	B07-1517 mg/Kg
Cyanide	NC	0.551 U	0.554 U	1.130	1.850	0.63 U	0.571 U	0.54 U	0.698 U

Summary of Cyanide in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-15

Sample ID Units	TAGM RSCO	B08-57 mg/Kg	B08-1214 mg/Kg	B10-45 mg/Kg	B10-911 mg/Kg	B11-23 mg/Kg	B11-810 mg/Kg	B60-810 mg/Kg Duplicate	B11-1820 mg/Kg	B11-2628 mg/Kg
Cyanide	NC	0.606 U	0.804 U	0.124 U	0.858 U	0.592 U	0.617 U	0.618 U	0.757 U	0.763 U

Summary of Cyanide in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-15

Sample ID Units	TAGM RSCO	B12-34 mg/Kg	B12-79 mg/Kg	B12-2123 mg/Kg	B13-57 mg/Kg	B14-810 mg/Kg	B14-1416 mg/Kg	B15-810 mg/Kg	B15-1416 mg/Kg	B61-1416 mg/Kg Duplicate
Cyanide	NC	0.561 U	0.667 U	0.891 U	0.531	4.700	0.645 U	0.706	0.705 U	0.649

Summary of Cyanide in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-15

Sample ID Units	TAGM RSCO	
Cyanide	NC	U

Summary of Cyanide in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-15

Sample ID Units	TAGM RSCO	B16-57 mg/Kg	B16-1719 mg/Kg	B16-1921 mg/Kg	B17-57 mg/Kg	B17-1012 mg/Kg	B19-1214 mg/Kg	B19-1618 mg/Kg
Cyanide	NC	0.950	5.120	0.949	0.602 U	1.320	0.623 U	0.672 U

Summary of Cyanide in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-15

Sample ID Units	TAGM RSCO	B21-1415 mg/Kg	B21-1921 mg/Kg	B21-2325 mg/Kg	B22-57 mg/Kg	B22-1012 mg/Kg	B23-57 mg/Kg	B23-1921 mg/Kg	B23-2325 mg/Kg
Cyanide	NC	0.611	0.767	0.607	0.605 U	1.860	0.626 U	0.912 U	0.784 U

Summary of Cyanide in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-15

Sample ID Units	TAGM RSCO	B27-1012 mg/Kg	B57-1012 mg/Kg Duplicate	B32-57 mg/Kg	B32-1315 mg/Kg	B32-2123 mg/Kg	B32-3537 mg/Kg	B33-45 mg/Kg	B33-79 mg/Kg
Cyanide	NC	0.636 U	0.934	1.140	0.735	0.599	0.671	0.628 U	0.594 U

Summary of Cyanide in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-15

Sample ID Units	TAGM RSCO	B34-57 mg/Kg	B34-1719 mg/Kg	B35-57 mg/Kg	B37-57 mg/Kg	B37-1113 mg/Kg	B38-1012 mg/Kg	B38-1618 mg/Kg	B39-1921 mg/Kg
Cyanide	NC	3.590	0.649 U	0.625 U	0.573 U	0.616 U	0.63 U	0.609 U	0.8 U

Summary of Cyanide in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-15

Sample ID Units	TAGM RSCO	B41-35 mg/Kg	B45-79 mg/Kg	B45-2224 mg/Kg	B45-3234 mg/Kg	B46-79 mg/Kg
Cyanide	NC	0.589 U	0.697	2.15	1.658	0.556 U

Summary of Cyanide in Soil Borings from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-15

Sample ID Units	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detections	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
Cyanide	NC	62	21	34%	0	0%	<0.124	5.120

Summary of Volatile Organic Compounds in Exploratory Test Pit Trenches from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-16

Sample ID Matrix Units	TAGM RSCO	TT03-23 SOIL ug/Kg	TT04-45 SOIL ug/Kg	TT05-45 SOIL ug/Kg	TT08-34 SOIL ug/Kg	TT26-34 SOIL ug/Kg Duplicate	TT9-23 SOIL ug/Kg
Dichlorodifluoromethane	NC	1.5 U	1.4 U	1.6 U	1.5 U	1.4 U	1.3 U
Chloromethane	NC	0.41 U	0.38 U	0.43 U	0.40 U	0.38 U	0.36 U
Vinyl Chloride	200	0.29 U	0.27 U	0.31 U	0.29 U	0.27 U	0.25 U
Bromomethane	NC	0.87 U	0.80 U	0.92 U	0.86 U	0.81 U	0.76 U
Chloroethane	1,900	0.65 U	0.60 U	0.68 U	0.64 U	0.60 U	0.56 U
Trichlorofluoromethane	NC	3.0 U	2.8 U	3.2 U	3.0 U	2.8 U	2.6 U
1,1,2-Trichlorotrifluoroethane	6,000	0.57 U	0.52 U	0.60 U	0.56 U	0.53 U	0.49 U
1,1-Dichloroethene	400	0.27 U	0.24 U	0.28 U	0.26 U	0.25 U	0.23 U
Acetone	200	***260*** J	8.5 U	9.7 U	9.1 U	8.6 U	8.0 U
Carbon Disulfide	2,700	0.12 U	0.11 U	0.13 U	0.12 U	0.12 U	0.11 U
Methyl tert-butyl Ether	120	0.28 U	0.26 U	0.30 U	0.28 U	0.26 U	0.25 U
Methyl Acetate	NC	1.6 U	1.4 U	1.7 U	1.6 U	1.5 U	1.4 U
Methylene Chloride	100	0.84 U	0.77 U	5.9 J	11 J	7.4 J	0.73 U
trans-1,2-Dichloroethene	300	0.46 U	0.42 U	0.48 U	0.45 U	0.43 U	0.40 U
1,1-Dichloroethane	200	0.44 U	0.40 U	0.46 U	0.43 U	0.41 U	0.38 U
Cyclohexane	NC	0.38 U	0.35 U	0.40 U	0.37 U	0.35 U	0.33 U
2-Butanone	300	83	2.6 U	3.0 U	2.8 U	2.6 U	2.4 U
Carbon Tetrachloride	600	0.37 U	0.34 U	0.39 U	0.36 U	0.34 U	0.32 U
cis-1,2-Dichloroethene	NC	0.43 U	0.40 U	0.46 U	0.43 U	0.40 U	0.38 U
Chloroform	300	0.29 U	0.27 U	0.31 U	0.29 U	0.27 U	0.25 U
1,1,1-Trichloroethane	800	0.33 U	0.31 U	0.35 U	0.33 U	0.31 U	0.29 U
Methylcyclohexane	NC	0.44 U	0.40 U	0.46 U	0.43 U	0.41 U	0.38 U
Benzene	60	0.25 U	0.23 U	0.26 U	0.25 U	0.23 U	12
1,2-Dichloroethane	200	3.8 U	3.5 U	4.0 U	3.8 U	3.5 U	3.3 U
Trichloroethene	700	0.40 U	0.36 U	0.42 U	0.39 U	0.37 U	0.34 U
1,2-Dichloropropane	NC	0.41 U	0.38 U	0.44 U	0.41 U	0.39 U	0.36 U
Bromodichloromethane	NC	0.41 U	0.38 U	0.43 U	0.41 U	0.38 U	0.36 U
4-Methyl-2-Pentanone	1,000	3.0 U	2.7 U	3.1 U	2.9 U	2.8 U	2.6 U
Toluene	1,500	0.32 U	0.29 U	0.34 U	0.32 U	0.30 U	9.0

Summary of Volatile Organic Compounds in Exploratory Test Pit Trenches from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-16

Sample ID		TT03-23	TT04-45	TT05-45	TT08-34	TT26-34	TT9-23
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg Duplicate	ug/Kg
	TAGM RSCO						
t-1,3-Dichloropropene	NC	0.32 U	0.29 U	0.33 U	0.31 U	0.29 U	0.28 U
cis-1,3-Dichloropropene	NC	0.24 U	0.22 U	0.25 U	0.24 U	0.22 U	0.21 U
1,1,2-Trichloroethane	NC	0.62 U	0.57 U	0.66 U	0.62 U	0.58 U	0.54 U
2-Hexanone	NC	3.9 U	3.6 U	4.2 U	3.9 U	3.7 U	3.4 U
Dibromochloromethane	NA	0.36 U	0.33 U	0.38 U	0.35 U	0.33 U	0.31 U
1,2-Dibromoethane	NC	0.51 U	0.47 U	0.54 U	0.51 U	0.48 U	0.45 U
Tetrachloroethene	1,400	0.78 U	0.72 U	0.82 U	0.77 U	0.73 U	0.68 U
Chlorobenzene	1,700	0.43 U	0.40 UJ	0.46 U	0.43 U	0.40 U	0.38 U
Ethyl Benzene	5,500	0.31 U	0.28 U	0.32 U	0.30 U	0.29 U	2.1 J
m/p-Xylenes	1,200	0.63 U	0.58 U	0.67 U	0.63 U	0.59 U	2.7 J
o-Xylene	600	0.53 U	0.49 U	0.56 U	0.53 U	0.50 U	0.46 U
Styrene	NC	0.39 U	0.36 U	0.41 U	0.38 U	0.36 U	1.4 J
Bromoform	NC	0.37 U	0.34 U	0.39 U	0.36 U	0.34 U	0.32 U
Isopropylbenzene	2,300	0.46 U	0.42 U	0.48 U	0.45 U	0.43 U	0.40 U
1,1,2,2-Tetrachloroethane	600	0.65 U	0.60 U	0.69 U	0.65 U	0.61 U	0.57 U
1,3-Dichlorobenzene	1,600	0.26 U	0.24 U	0.27 U	0.26 U	0.24 U	0.23 U
1,4-Dichlorobenzene	8,500	0.43 U	0.40 U	0.46 U	0.43 U	0.40 U	0.38 U
1,2-Dichlorobenzene	7,900	0.50 U	0.46 U	0.53 U	0.50 U	0.47 U	0.44 U
1,2-Dibromo-3-Chloropropane	NC	0.84 U	0.77 U	0.88 U	0.83 U	0.78 U	0.73 U
1,2,4-Trichlorobenzene	3,400	0.31 U	0.28 U	0.32 U	0.30 U	0.29 U	0.27 U
Total Confident Conc. VOC	10,000	343	0	5.9	11	7.4	27.2

Summary of Volatile Organic Compounds in Exploratory Test Pit Trenches from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-16

Sample ID Matrix Units	TAGM RSCO	TT10-56 SOIL ug/Kg	TT10-78 SOIL ug/Kg	TT13-34RE SOIL ug/Kg	TT13-45 SOIL ug/Kg	TT14-34 SOIL ug/Kg	TT15-34 SOIL ug/Kg	TT16-12 SOIL ug/Kg
Dichlorodifluoromethane	NC	15 R	15 UJ	1.5 U	1.5 U	1.4 UJ	1.8 U	1.4 U
Chloromethane	NC	4.0 R	3.9 UJ	0.39 U	0.41 U	0.38 UJ	0.49 U	0.38 U
Vinyl Chloride	200	2.8 R	2.8 UJ	0.28 U	0.29 U	0.27 UJ	0.35 U	0.27 U
Bromomethane	NC	8.5 R	8.3 UJ	0.83 U	0.87 U	0.80 UJ	1.1 U	0.80 U
Chloroethane	1,900	6.3 R	6.2 UJ	0.62 U	0.65 U	0.60 UJ	0.78 U	0.60 U
Trichlorofluoromethane	NC	30 R	29 UJ	2.9 U	3.0 U	2.8 UJ	3.7 U	2.8 U
1,1,2-Trichlorotrifluoroethane	6,000	5.5 R	5.4 UJ	0.54 U	0.57 U	0.52 UJ	0.69 U	0.52 U
1,1-Dichloroethene	400	2.6 R	2.5 UJ	0.25 U	0.27 U	0.24 UJ	0.32 U	0.24 U
Acetone	200	90 R	88 UJ	8.8 U	9.2 U	8.5 UJ	11 U	110 J
Carbon Disulfide	2,700	1.2 R	1.2 UJ	0.12 U	0.12 U	0.11 UJ	0.15 U	6.9 J
Methyl tert-butyl Ether	120	2.8 R	2.7 UJ	0.27 U	0.28 U	0.26 UJ	0.34 U	0.26 U
Methyl Acetate	NC	15 R	15 UJ	1.5 U	1.6 U	1.4 R	1.9 U	1.4 U
Methylene Chloride	100	8.2 R	8.0 UJ	0.80 U	0.84 U	0.77 UJ	1.0 U	5.6 U
trans-1,2-Dichloroethene	300	4.5 R	4.4 UJ	0.44 U	0.46 U	0.42 UJ	0.55 U	0.42 U
1,1-Dichloroethane	200	4.3 R	4.2 UJ	0.42 U	0.44 U	0.40 UJ	0.53 U	0.40 U
Cyclohexane	NC	3.7 R	3.6 UJ	0.36 U	0.38 U	0.35 UJ	0.46 U	0.35 U
2-Butanone	300	27 R	27 UJ	2.7 U	2.8 U	2.6 UJ	3.4 U	2.6 U
Carbon Tetrachloride	600	3.6 R	3.5 UJ	0.35 U	0.37 U	0.34 UJ	0.44 U	0.34 U
cis-1,2-Dichloroethene	NC	4.2 R	4.1 UJ	0.41 U	0.43 U	0.40 UJ	0.53 U	0.40 U
Chloroform	300	2.9 R	2.8 UJ	0.28 U	0.29 U	0.27 UJ	0.35 U	0.27 U
1,1,1-Trichloroethane	800	3.3 R	3.2 UJ	0.32 U	0.33 U	0.31 UJ	0.40 U	0.31 U
Methylcyclohexane	NC	4.3 R	4.2 UJ	0.42 U	0.44 U	0.40 UJ	0.53 U	0.40 U
Benzene	60	***140*** J	***560*** J	0.24 U	0.25 U	0.23 UJ	0.30 U	14
1,2-Dichloroethane	200	37 R	36 UJ	3.6 U	3.8 U	3.5 UJ	4.6 U	3.5 U
Trichloroethene	700	3.9 R	3.8 UJ	0.38 U	0.40 U	0.36 UJ	0.48 U	0.36 U
1,2-Dichloropropane	NC	4.0 R	3.9 UJ	0.39 U	0.41 U	0.38 UJ	0.50 U	0.38 U
Bromodichloromethane	NC	4.0 R	3.9 UJ	0.39 U	0.41 U	0.38 UJ	0.50 U	0.38 U
4-Methyl-2-Pentanone	1,000	29 R	28 UJ	2.8 U	3.0 U	2.7 UJ	3.6 U	2.7 U
Toluene	1,500	***1700*** J	***10000*** J	0.30 U	0.32 U	0.29 UJ	0.39 U	16

Summary of Volatile Organic Compounds in Exploratory Test Pit Trenches from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-16

Sample ID Matrix Units	TAGM RSCO	TT10-56 SOIL ug/Kg	TT10-78 SOIL ug/Kg	TT13-34RE SOIL ug/Kg	TT13-45 SOIL ug/Kg	TT14-34 SOIL ug/Kg	TT15-34 SOIL ug/Kg	TT16-12 SOIL ug/Kg
t-1,3-Dichloropropene	NC	3.1 R	3.0 UJ	0.30 U	0.32 U	0.29 UJ	0.38 U	0.29 U
cis-1,3-Dichloropropene	NC	2.3 R	2.3 UJ	0.23 U	0.24 U	0.22 UJ	0.29 U	0.22 U
1,1,2-Trichloroethane	NC	6.1 R	6.0 UJ	0.60 U	0.62 U	0.57 UJ	0.76 U	0.57 U
2-Hexanone	NC	39 R	38 UJ	3.8 U	3.9 U	3.6 R	4.8 U	3.6 U
Dibromochloromethane	NA	3.5 R	3.4 UJ	0.34 U	0.36 U	0.33 UJ	0.43 U	0.33 U
1,2-Dibromoethane	NC	5.0 R	4.9 UJ	0.49 U	0.51 U	0.47 UJ	0.62 U	0.47 U
Tetrachloroethene	1,400	7.7 R	7.5 UJ	0.75 U	0.78 U	0.72 UJ	0.95 U	0.72 U
Chlorobenzene	1,700	4.2 R	4.1 UJ	0.41 U	0.43 U	0.40 UJ	0.53 UJ	0.40 U
Ethyl Benzene	5,500	***50000*** J	***9000*** J	0.29 U	0.31 U	0.28 UJ	0.37 U	950
m/p-Xylenes	1,200	***40000*** J	***16000*** J	0.60 U	0.63 U	0.58 UJ	0.77 U	780
o-Xylene	600	***34000*** J	***15000*** J	0.51 U	0.53 U	0.49 UJ	0.64 U	***770***
Styrene	NC	500 J	3.7 UJ	0.37 U	0.39 U	0.36 UJ	0.47 U	0.36 U
Bromoform	NC	3.6 R	3.5 UJ	0.35 U	0.37 U	0.34 UJ	0.45 U	0.34 U
Isopropylbenzene	2,300	50 UD	490 J	0.44 U	0.46 U	0.42 UJ	0.55 U	130
1,1,2,2-Tetrachloroethane	600	6.4 R	6.2 UJ	0.62 U	0.65 U	0.60 UJ	0.79 U	0.60 U
1,3-Dichlorobenzene	1,600	2.5 R	2.5 UJ	0.25 U	0.26 U	0.24 UJ	0.31 U	0.24 U
1,4-Dichlorobenzene	8,500	4.2 R	4.1 UJ	0.41 U	0.43 U	0.40 UJ	0.52 U	0.40 U
1,2-Dichlorobenzene	7,900	4.9 R	4.8 UJ	0.48 U	0.50 U	0.46 UJ	0.61 U	0.46 U
1,2-Dibromo-3-Chloropropane	NC	8.2 R	8.0 R	0.80 U	0.84 U	0.77 UJ	1.0 U	0.77 U
1,2,4-Trichlorobenzene	3,400	3.0 R	2.9 UJ	0.29 U	0.31 U	0.28 UJ	0.37 U	0.28 U
Total Confident Conc. VOC	10,000	***126,530***	***50,560***	0	0	0	0	2746.9

Summary of Volatile Organic Compounds in Exploratory Test Pit Trenches from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-16

Sample ID Matrix Units	TAGM RSCO	TT17-67 SOIL ug/Kg	TT18-34RE SOIL ug/Kg	TT19-34 SOIL ug/Kg	TT19-67 SOIL ug/Kg	TT21-56 SOIL ug/Kg	TT22-34 SOIL ug/Kg
Dichlorodifluoromethane	NC	1.3 U	1.5 U	1.5 UJ	1.5 UJ	1.5 UJ	1.4 U
Chloromethane	NC	0.36 U	0.40 U	0.39 UJ	0.39 UJ	0.41 UJ	0.36 U
Vinyl Chloride	200	0.25 U	0.28 U	0.28 UJ	0.28 UJ	0.29 UJ	0.26 U
Bromomethane	NC	0.76 U	0.85 U	0.84 UJ	0.84 UJ	0.87 UJ	0.78 U
Chloroethane	1,900	0.56 U	0.63 U	0.62 UJ	0.62 UJ	0.65 UJ	0.58 U
Trichlorofluoromethane	NC	2.6 U	3.0 U	2.9 UJ	2.9 UJ	3.0 UJ	2.7 U
1,1,2-Trichlorotrifluoroethane	6,000	0.49 U	0.55 U	0.55 UJ	0.55 UJ	0.57 UJ	0.50 U
1,1-Dichloroethene	400	0.23 U	0.26 U	0.26 UJ	0.26 UJ	0.27 UJ	0.24 U
Acetone	200	8.0 U	9.0 U	8.9 UJ	8.9 UJ	9.2 UJ	8.2 U
Carbon Disulfide	2,700	0.11 U	0.12 U	0.12 UJ	0.12 UJ	0.12 UJ	0.11 U
Methyl tert-butyl Ether	120	0.25 U	0.28 U	0.27 UJ	0.27 UJ	0.28 UJ	0.25 U
Methyl Acetate	NC	1.4 R	1.5 U	1.5 UJ	1.5 UJ	1.6 UJ	1.4 R
Methylene Chloride	100	0.73 U	0.82 U	0.81 UJ	0.81 UJ	0.84 UJ	0.75 U
trans-1,2-Dichloroethene	300	0.40 U	0.45 U	0.44 UJ	0.44 UJ	0.46 UJ	0.41 U
1,1-Dichloroethane	200	0.38 U	0.43 U	0.42 UJ	0.42 UJ	0.44 UJ	0.39 U
Cyclohexane	NC	0.33 U	0.37 U	0.36 UJ	0.36 UJ	0.38 UJ	0.34 U
2-Butanone	300	2.4 U	2.7 U	2.7 UJ	2.7 UJ	2.8 UJ	2.5 U
Carbon Tetrachloride	600	0.32 U	0.36 U	0.35 UJ	0.35 UJ	0.37 UJ	0.33 U
cis-1,2-Dichloroethene	NC	0.38 U	0.42 U	0.42 UJ	0.42 UJ	0.43 UJ	0.39 U
Chloroform	300	0.25 U	0.29 U	0.28 UJ	0.28 UJ	0.29 UJ	0.26 U
1,1,1-Trichloroethane	800	0.29 U	0.33 U	0.32 UJ	0.32 UJ	0.33 UJ	0.30 U
Methylcyclohexane	NC	0.38 U	0.43 U	0.42 UJ	0.42 UJ	0.44 UJ	0.39 U
Benzene	60	0.22 U	3.1 J	0.24 UJ	0.24 UJ	0.25 UJ	0.22 U
1,2-Dichloroethane	200	3.3 U	3.7 U	3.7 UJ	3.7 UJ	3.8 UJ	3.4 U
Trichloroethene	700	0.34 U	0.39 U	0.38 UJ	0.38 UJ	0.40 UJ	0.35 U
1,2-Dichloropropane	NC	0.36 U	0.40 U	0.40 UJ	0.40 UJ	0.41 UJ	0.37 U
Bromodichloromethane	NC	0.36 U	0.40 U	0.40 UJ	0.40 UJ	0.41 UJ	0.37 U
4-Methyl-2-Pentanone	1,000	2.6 U	2.9 U	2.9 UJ	2.9 UJ	3.0 UJ	2.6 U
Toluene	1,500	0.28 U	2.8 J	0.31 UJ	0.31 UJ	0.32 UJ	0.28 U

Summary of Volatile Organic Compounds in Exploratory Test Pit Trenches from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-16

Sample ID Matrix Units	TAGM RSCO	TT17-67 SOIL ug/Kg	TT18-34RE SOIL ug/Kg	TT19-34 SOIL ug/Kg	TT19-67 SOIL ug/Kg	TT21-56 SOIL ug/Kg	TT22-34 SOIL ug/Kg
t-1,3-Dichloropropene	NC	0.28 U	0.31 U	0.30 UJ	0.30 UJ	0.32 UJ	0.28 U
cis-1,3-Dichloropropene	NC	0.21 U	0.23 U	0.23 UJ	0.23 UJ	0.24 UJ	0.21 U
1,1,2-Trichloroethane	NC	0.54 U	0.61 U	0.60 UJ	0.60 UJ	0.62 UJ	0.56 U
2-Hexanone	NC	3.4 R	3.9 U	3.8 UJ	3.8 UJ	3.9 UJ	3.5 R
Dibromochloromethane	NA	0.31 U	0.35 U	0.35 UJ	0.35 UJ	0.36 UJ	0.32 U
1,2-Dibromoethane	NC	0.45 U	0.50 U	0.50 UJ	0.50 UJ	0.51 UJ	0.46 U
Tetrachloroethene	1,400	0.68 U	0.77 U	0.76 UJ	0.76 UJ	0.78 UJ	0.70 U
Chlorobenzene	1,700	0.38 U	0.42 U	0.42 UJ	0.42 UJ	0.43 UJ	0.39 U
Ethyl Benzene	5,500	0.27 U	0.30 U	0.30 UJ	0.30 UJ	0.31 UJ	0.27 U
m/p-Xylenes	1,200	0.55 U	2.1 J	0.61 UJ	0.61 UJ	0.63 UJ	0.56 U
o-Xylene	600	0.46 U	0.52 U	0.51 UJ	0.51 UJ	0.53 UJ	0.47 U
Styrene	NC	0.34 U	8.1	0.37 UJ	0.37 UJ	0.39 UJ	0.34 U
Bromoform	NC	0.32 U	0.36 U	0.36 UJ	0.36 UJ	0.37 UJ	0.33 U
Isopropylbenzene	2,300	0.40 U	0.45 U	0.44 UJ	0.44 UJ	0.46 UJ	0.41 U
1,1,2,2-Tetrachloroethane	600	0.57 U	0.64 U	0.63 UJ	0.63 UJ	0.65 UJ	0.58 U
1,3-Dichlorobenzene	1,600	0.23 U	0.25 U	0.25 UJ	0.25 UJ	0.26 UJ	0.23 U
1,4-Dichlorobenzene	8,500	0.38 U	0.42 U	0.42 UJ	0.42 UJ	0.43 UJ	0.39 U
1,2-Dichlorobenzene	7,900	0.44 U	0.49 U	0.49 UJ	0.49 UJ	0.50 UJ	0.45 U
1,2-Dibromo-3-Chloropropane	NC	0.73 U	0.82 U	0.81 R	0.81 R	0.84 UJ	0.74 U
1,2,4-Trichlorobenzene	3,400	0.27 U	0.30 U	0.30 UJ	0.30 UJ	0.31 UJ	0.27 U
Total Confident Conc. VOC	10,000	0	16.1	0	0	0	0

Summary of Volatile Organic Compounds in Exploratory Test Pit Trenches from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-16

Sample ID Matrix Units	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detection	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
Dichlorodifluoromethane	NC	19	0	0.0%	0	0.0%	<1.3	<1.6
Chloromethane	NC	19	0	0.0%	0	0.0%	<0.36	<3.9
Vinyl Chloride	200	19	0	0.0%	0	0.0%	<0.25	<2.8
Bromomethane	NC	19	0	0.0%	0	0.0%	<0.76	<8.3
Chloroethane	1,900	19	0	0.0%	0	0.0%	<0.56	<6.2
Trichlorofluoromethane	NC	19	0	0.0%	0	0.0%	<2.6	<29
1,1,2-Trichlorotrifluoroethane	6,000	19	0	0.0%	0	0.0%	<0.49	<5.4
1,1-Dichloroethene	400	19	0	0.0%	0	0.0%	<0.23	<2.5
Acetone	200	19	2	10.5%	1	5.3%	<8.0	260
Carbon Disulfide	2,700	19	1	5.3%	0	0.0%	<0.11	<6.9
Methyl tert-butyl Ether	120	19	0	0.0%	0	0.0%	<0.25	<2.7
Methyl Acetate	NC	19	0	0.0%	0	0.0%	<1.4	<15
Methylene Chloride	100	19	3	15.8%	0	0.0%	<0.73	<8.0
trans-1,2-Dichloroethene	300	19	0	0.0%	0	0.0%	<0.40	<4.4
1,1-Dichloroethane	200	19	0	0.0%	0	0.0%	<0.38	<4.2
Cyclohexane	NC	19	0	0.0%	0	0.0%	<0.33	<3.6
2-Butanone	300	19	1	5.3%	0	0.0%	<2.4	<83
Carbon Tetrachloride	600	19	0	0.0%	0	0.0%	<0.32	<3.5
cis-1,2-Dichloroethene	NC	19	0	0.0%	0	0.0%	<0.38	<4.1
Chloroform	300	19	0	0.0%	0	0.0%	<0.25	<2.8
1,1,1-Trichloroethane	800	19	0	0.0%	0	0.0%	<0.29	<3.2
Methylcyclohexane	NC	19	0	0.0%	0	0.0%	<0.38	<4.2
Benzene	60	19	5	26.3%	2	10.5%	<0.22	560
1,2-Dichloroethane	200	19	0	0.0%	0	0.0%	<3.3	<36
Trichloroethene	700	19	0	0.0%	0	0.0%	<0.34	<3.8
1,2-Dichloropropane	NC	19	0	0.0%	0	0.0%	<0.36	<3.9
Bromodichloromethane	NC	19	0	0.0%	0	0.0%	<0.36	<3.9
4-Methyl-2-Pentanone	1,000	19	0	0.0%	0	0.0%	<2.6	<28
Toluene	1,500	19	5	26.3%	2	10.5%	<0.28	10,000

Summary of Volatile Organic Compounds in Exploratory Test Pit Trenches from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-16

Sample ID Matrix Units TAGM RSCO		Number of Samples	Number of Detections	Frequency of Detection	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
t-1,3-Dichloropropene	NC	19	0	0.0%	0	0.0%	<0.28	<3.0
cis-1,3-Dichloropropene	NC	19	0	0.0%	0	0.0%	<0.21	<2.3
1,1,2-Trichloroethane	NC	19	0	0.0%	0	0.0%	<0.54	<6.0
2-Hexanone	NC	19	0	0.0%	0	0.0%	<3.4	<38
Dibromochloromethane	NA	19	0	0.0%	0	0.0%	<0.31	<3.4
1,2-Dibromoethane	NC	19	0	0.0%	0	0.0%	<0.45	<4.9
Tetrachloroethene	1,400	19	0	0.0%	0	0.0%	<0.68	<7.5
Chlorobenzene	1,700	19	0	0.0%	0	0.0%	<0.38	<4.1
Ethyl Benzene	5,500	19	4	21.1%	2	10.5%	<0.27	50,000
m/p-Xylenes	1,200	19	5	26.3%	2	10.5%	<0.55	40,000
o-Xylene	600	19	3	15.8%	3	15.8%	<0.46	34,000
Styrene	NC	19	3	15.8%	0	0.0%	<0.34	500
Bromoform	NC	19	0	0.0%	0	0.0%	<0.32	<3.5
Isopropylbenzene	2,300	19	3	15.8%	0	0.0%	<0.40	490
1,1,2,2-Tetrachloroethane	600	19	0	0.0%	0	0.0%	<0.57	<6.2
1,3-Dichlorobenzene	1,600	19	0	0.0%	0	0.0%	<0.23	<2.5
1,4-Dichlorobenzene	8,500	19	0	0.0%	0	0.0%	<0.38	<4.1
1,2-Dichlorobenzene	7,900	19	0	0.0%	0	0.0%	<0.44	<4.8
1,2-Dibromo-3-Chloropropane	NC	19	0	0.0%	0	0.0%	<0.73	<1.0
1,2,4-Trichlorobenzene	3,400	19	0	0.0%	0	0.0%	<0.27	<2.9
Total Confident Conc. VOC	10,000							

Summary of Semi-Volatile Organic Compounds in Exploratory Test Pit Trenches from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-17

Sample ID		TT03-23	TT04-45	TT05-45	TT08-34	TT26-34	TT9-23
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semivolatile Organic Compounds (ug/kg)	TAGM RSCO					Duplicate	
Benzaldehyde	NC	400 U	36 U	420 U	2000 U	1800 U	690 U
Phenol	30 or MDL	170 U	15 U	180 U	840 U	790 U	290 U
bis(2-Chloroethyl)ether	NC	200 U	18 U	210 U	990 U	930 U	350 U
2-Chlorophenol	800	170 UJ	16 U	180 UJ	870 UJ	820 UJ	310 U
2-Methylphenol	100 or MDL	260 UJ	23 U	270 UJ	1300 UJ	1200 UJ	450 U
2,2-oxybis(1-Chloropropane)	NC	220 U	20 U	230 U	1100 U	1000 U	380 U
Acetophenone	NC	210 U	19 U	220 U	1100 U	990 U	370 U
3+4-Methylphenols	900	190 UJ	17 U	200 UJ	930 UJ	870 UJ	320 U
N-Nitroso-di-n-propylamine	NC	180 U	16 U	190 U	890 U	830 U	310 U
Hexachloroethane	NC	190 U	18 U	200 U	960 U	900 U	340 U
Nitrobenzene	200 or MDL	210 UJ	19 U	220 UJ	1000 UJ	960 UJ	360 U
Isophorone	4,400	150 U	14 U	160 U	750 U	700 U	260 U
2-Nitrophenol	330 or MDL	160 UJ	15 U	170 UJ	810 UJ	760 UJ	280 U
2,4-Dimethylphenol	NC	220 UJ	20 U	230 UJ	1100 UJ	1000 UJ	380 U
bis(2-Chloroethoxy)methane	NC	180 UJ	17 U	190 UJ	920 UJ	860 UJ	320 U
2,4-Dichlorophenol	400	140 UJ	13 U	150 UJ	710 UJ	660 UJ	250 U
Naphthalene	13,000	470 J	88 J	880 J	440 U	2300 J	1600 J
4-Chloroaniline	220 or MDL	1500 UJ	140 U	1600 UJ	7500 UJ	7000 UJ	2600 U
Hexachlorobutadiene	NC	140 U	13 U	150 U	710 U	660 U	250 U
Caprolatam	NC	150 U	14 U	160 U	740 U	700 U	260 U
4-Chloro-3-methylphenol	240 or MDL	120 UJ	11 U	130 UJ	600 UJ	560 UJ	210 U
2-Methylnaphthalene	36,400	560 J	6.4 U	560 J	350 U	330 U	120 U
Hexachlorocyclopentadiene	NC	100 UJ	9.3 U	110 UJ	510 UJ	470 UJ	180 U
2,4,6-Trichlorophenol	NC	150 UJ	13 U	150 UJ	730 UJ	690 UJ	260 U
2,4,5-Trichlorophenol	100	270 UJ	25 U	280 UJ	1300 UJ	1300 UJ	470 U
1,1-Biphenyl	NC	120 U	11 U	130 U	600 U	560 U	210 U
2-Chloronaphthalene	NC	84 UJ	7.7 U	89 UJ	420 UJ	390 UJ	150 U
2-Nitroaniline	430 or MDL	150 UJ	13 U	150 UJ	730 UJ	690 UJ	260 U
Dimethylphthalate	2,000	97 UJ	8.9 U	100 UJ	480 UJ	450 UJ	170 U

Summary of Semi-Volatile Organic Compounds in Exploratory Test Pit Trenches from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-17

Sample ID		TT03-23	TT04-45	TT05-45	TT08-34	TT26-34	TT9-23
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semivolatile Organic Compounds (ug/kg)	TAGM RSCO					Duplicate	
Acenaphthylene	41,000	120 U	11 U	450 J	4000 J	4000 J	210 U
2,6-Dinitrotoluene	1,000	170 UJ	16 U	180 UJ	860 UJ	800 UJ	300 U
3-Nitroaniline	500 or MDL	650 UJ	60 U	690 UJ	3300 UJ	3000 UJ	1100 U
Acenaphthene	50,000	89 U	8.2 U	1900 J	440 U	420 U	160 U
2,4-Dinitrophenol	200 or MDL	180 UJ	16 U	190 UJ	890 UJ	830 UJ	310 U
4-Nitrophenol	100 or MDL	400 U	36 U	420 U	2000 U	1800 U	690 U
Dibenzofuran	6,200	130 U	12 U	950 J	660 U	620 U	230 U
2,4-Dinitrotoluene	1,000	81 UJ	7.4 U	85 UJ	400 UJ	380 UJ	140 U
Diethylphthalate	7,100	130 U	48 J	130 U	630 U	590 U	220 U
4-Chlorophenyl-phenylether	NC	100 UJ	9.2 U	110 UJ	500 UJ	470 UJ	170 U
Fluorene	50,000	110 U	11 U	1800 J	570 U	540 U	200 U
4-Nitroaniline	NC	320 UJ	29 U	330 UJ	1600 UJ	1500 UJ	550 U
4,6-Dinitro-2-methylphenol	NC	230 UJ	22 U	250 UJ	1200 UJ	1100 UJ	410 U
N-Nitrosodiphenylamine	NC	100 UJ	9.4 U	110 UJ	510 UJ	480 UJ	180 U
4-Bromophenyl-phenylether	NC	110 UJ	9.8 U	110 UJ	530 UJ	500 UJ	190 U
Hexachlorobenzene	410	76 UJ	7.0 U	80 UJ	380 UJ	350 UJ	130 U
Atrazine	NC	120 U	11 U	130 U	620 U	580 U	220 U
Pentachlorophenol	1000 or MDL	130 UJ	12 U	130 UJ	630 UJ	590 UJ	220 U
Phenanthrene	50,000	630 J	47 J	39000 UJ	2100 J	2800 J	160 U
Anthracene	50,000	97 U	8.9 U	7700	2400 J	2400 J	170 U
Carbazole	NC	89 UJ	8.2 U	860 J	440 UJ	420 UJ	160 U
Di-n-butylphthalate	8,100	***21000*** J	790	3500 J	270 U	250 U	94 U
Fluoranthene	50,000	1100 J	110 J	***150000***	26000	23000	98 U
Pyrene	50,000	1300 J	170 J	***130000***	37000	30000	130 U
Butylbenzylphthalate	50,000	140 U	12 U	140 U	680 U	630 U	240 U
3,3-Dichlorobenzidine	NA	650 UJ	60 U	680 UJ	3200 UJ	3000 UJ	1100 U
Benzo(a)anthracene	224 or MDL	***580*** J	***250*** J	***23000***	***18000*** J	***15000*** J	110 U
Chrysene	400	***780*** J	270 J	***22000***	***18000*** J	***17000*** J	220 U
bis(2-Ethylhexyl)phthalate	50,000	93 U	84 J	98 U	460 U	430 U	160 U

Summary of Semi-Volatile Organic Compounds in Exploratory Test Pit Trenches from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-17

Sample ID		TT03-23	TT04-45	TT05-45	TT08-34	TT26-34	TT9-23
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semivolatile Organic Compounds (ug/kg)	TAGM RSCO					Duplicate	
Di-n-octyl phthalate	50,000	97 U	8.9 U	100 U	480 U	450 U	170 U
Benzo(b)fluoranthene	1,100	1000 J	500	***26000***	***28000***	***29000***	380 U
Benzo(k)fluoranthene	1,100	530 J	150 J	***11000***	***19000*** J	***14000*** J	240 U
Benzo(a)pyrene	61 or MDL	***790*** J	***360*** J	***21000***	**24000**	***23000***	120 U
Indeno(1,2,3-cd)pyrene	3,200	98 UJ	250 J	4600 UJ	***4200*** J	***4100*** J	170 U
Dibenz(a,h)anthracene	14 or MDL	120 UJ	***71*** J	***790*** J	*590* UJ	550 UJ	210 U
Benzo(g,h,i)perylene	50,000	180 U	310 J	6100	6800 J	6900 J	310 U
Total Confident Conc. SVOC	500,000	28,740	3,498	408,490	189,500	173,500	1,600
Carcinogenic SVOCs in BaP Equivalents		961.1	535.2	27,020	29,390	28,120	ND

Summary of Semi-Volatile Organic Compounds in Exploratory Test Pit Trenches from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-17

Sample ID		TT10-56	TT10-78	TT13-34	TT13-45	TT14-34	TT15-34	TT16-12
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semivolatile Organic Compounds (ug/kg)	TAGM RSCO							
Benzaldehyde	NC	780 U	760 U	3800 U	2000 U	360 U	240 U	730
Phenol	30 or MDL	330 U	320 U	1600 U	840 U	150 U	100 U	310
bis(2-Chloroethyl)ether	NC	390 U	380 U	1900 U	1000 U	180 U	120 U	370
2-Chlorophenol	800	340 U	330 U	1700 U	870 U	160 U	110 U	320
2-Methylphenol	100 or MDL	500 U	490 U	2400 U	1300 U	230 U	150 U	470
2,2-oxybis(1-Chloropropane)	NC	430 U	420 U	2100 U	1100 U	200 U	130 U	400
Acetophenone	NC	420 U	400 U	2000 U	1100 U	190 U	130 U	390
3+4-Methylphenols	900	370 U	350 U	1800 U	930 U	170 U	110 U	340
N-Nitroso-di-n-propylamine	NC	350 U	340 U	1700 U	890 U	160 U	110 U	330
Hexachloroethane	NC	380 U	370 U	1800 U	970 U	180 U	120 U	360
Nitrobenzene	200 or MDL	400 U	390 U	1900 U	1000 U	190 U	120 U	380
Isophorone	4,400	300 U	290 U	1400 U	750 U	140 U	91 U	280
2-Nitrophenol	330 or MDL	320 U	310 U	1500 U	810 U	150 U	98 U	300
2,4-Dimethylphenol	NC	430 U	420 U	2100 U	1100 U	200 U	130 U	400
bis(2-Chloroethoxy)methane	NC	360 U	350 U	1700 U	920 U	170 U	110 U	340
2,4-Dichlorophenol	400	280 U	270 U	1300 U	710 U	130 U	86 U	260
Naphthalene	13,000	***81000***	***310000***	13000 J	***21000***	7800	710 J	***58000***
4-Chloroaniline	220 or MDL	2900 U	2900 U	14000 U	7500 U	1400 U	910 U	2800
Hexachlorobutadiene	NC	280 U	270 U	1300 U	710 U	130 U	86 U	260
Caprolatam	NC	290 U	280 U	1400 U	750 U	140 U	90 U	280
4-Chloro-3-methylphenol	240 or MDL	240 U	230 U	1100 U	600 U	110 U	73 U	220
2-Methylnaphthalene	36,400	***61000***	***68000***	7500 J	9600 J	8200	260 J	6100
Hexachlorocyclopentadiene	NC	200 U	190 U	960 U	510 U	93 U	61 U	190
2,4,6-Trichlorophenol	NC	290 U	280 U	1400 U	730 U	130 U	89 U	270
2,4,5-Trichlorophenol	100	530 U	510 U	2500 U	1300 U	250 U	160 U	490
1,1-Biphenyl	NC	3900 J	8400	1100 U	600 U	370 J	73 U	9100
2-Chloronaphthalene	NC	170 U	160 U	800 U	420 U	77 U	51 U	160
2-Nitroaniline	430 or MDL	290 U	280 U	1400 U	730 U	130 U	89 U	270
Dimethylphthalate	2,000	190 U	180 U	910 U	480 U	89 U	58 U	180

Summary of Semi-Volatile Organic Compounds in Exploratory Test Pit Trenches from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-17

Sample ID		TT10-56	TT10-78	TT13-34	TT13-45	TT14-34	TT15-34	TT16-12
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semivolatile Organic Compounds (ug/kg)	TAGM RSCO							
Acenaphthylene	41,000	10000	8500	17000 J	33000	9000	1100 J	10000
2,6-Dinitrotoluene	1,000	340 U	330 U	1600 U	860 U	160 U	100 U	320
3-Nitroaniline	500 or MDL	1300 U	1200 U	6200 U	3300 U	600 U	400 U	1200
Acenaphthene	50,000	2800 J	11000	4100 J	450 U	2500 J	54 U	44000
2,4-Dinitrophenol	200 or MDL	350 UJ	340 UJ	1700 U	890 U	160 U	110 U	330
4-Nitrophenol	100 or MDL	780 U	750 U	3700 U	2000 U	360 U	240 U	730
Dibenzofuran	6,200	1800 J	***12000***	1300 U	670 U	750 J	81 U	4800
2,4-Dinitrotoluene	1,000	***4000*** J	***7300*** J	760 U	400 U	74 U	49 U	150
Diethylphthalate	7,100	250 U	240 U	1200 U	640 U	120 U	77 U	230
4-Chlorophenyl-phenylether	NC	200 U	190 U	950 U	500 U	92 U	61 U	190
Fluorene	50,000	13000	29000	6900 J	2500 J	5250	70 U	33000
4-Nitroaniline	NC	620 UJ	600 UJ	3000 U	1600 U	290 U	190 U	590
4,6-Dinitro-2-methylphenol	NC	460 U	450 U	2200 U	1200 U	220 U	140 U	430
N-Nitrosodiphenylamine	NC	200 U	200 U	970 U	510 U	94 U	62 U	190
4-Bromophenyl-phenylether	NC	210 U	200 U	1000 U	530 U	97 U	64 U	200
Hexachlorobenzene	410	150 U	140 U	720 U	380 U	69 U	46 U	140
Atrazine	NC	240 U	240 U	1200 U	620 U	110 U	75 U	230
Pentachlorophenol	1000 or MDL	250 U	240 U	1200 U	630 U	120 U	76 U	230
Phenanthrene	50,000	35000	***68000***	***54000***	13000 J	16000	1700 J	***100000***
Anthracene	50,000	9600	19000	14000 J	8300 J	4700	450 J	26000
Carbazole	NC	180 UJ	4700 J	850 U	450 U	82 U	54 U	1700
Di-n-butylphthalate	8,100	110 U	100 U	510 U	270 U	49 U	3000	99
Fluoranthene	50,000	16000	33000	***70000*** J	30000	7200	2500	41000
Pyrene	50,000	32000	39000	10000 J	61000	13000	4200	63000
Butylbenzylphthalate	50,000	270 U	260 U	1300 U	680 U	120 U	82 U	250
3,3-Dichlorobenzidine	NA	1300 U	1200 U	6100 U	3200 U	600 U	390 U	1200
Benzo(a)anthracene	224 or MDL	***10000***	***17000***	***46000***	***28000***	***5400***	***2600***	***24000***
Chrysene	400	***8700***	***14000***	***47000***	***31000***	***5100***	***2900***	***23000***
bis(2-Ethylhexyl)phthalate	50,000	180 U	180 U	880 U	460 U	85 U	56 U	170

Summary of Semi-Volatile Organic Compounds in Exploratory Test Pit Trenches from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-17

Sample ID		TT10-56	TT10-78	TT13-34	TT13-45	TT14-34	TT15-34	TT16-12
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semivolatile Organic Compounds (ug/kg)	TAGM RSCO							
Di-n-octyl phthalate	50,000	190 U	180 U	910 U	480 U	89 U	58 U	180
Benzo(b)fluoranthene	1,100	***8300***	***12000***	***42000***	***40000***	***6700***	***3300***	***19000***
Benzo(k)fluoranthene	1,100	***3300*** J	***5100*** J	***20000*** J	***25000***	***2800*** J	***1100*** J	***7600***
Benzo(a)pyrene	61 or MDL	***8100***	***11000***	***45000***	***50000***	***8100***	**3100**	***23000***
Indeno(1,2,3-cd)pyrene	3,200	1200 J	1600 J	***13000*** J	***9600*** J	1600 J	1200 J	***4200***
Dibenz(a,h)anthracene	14 or MDL	230 U	***900*** J	1100 U	***5300*** J	110 U	***440*** J	***2200***
Benzo(g,h,i)perylene	50,000	1700 J	2100 J	18000 J	16000 J	2400 J	1400 J	6100
Total Confident Conc. SVOC	500,000	311,400	***681,600***	427,500	383,300	106,870	29,960	***505,800***
Carcinogenic SVOCs in BaP Equivalents		10,170	15,151	55,770	63,620	9,549	4,290	30,226

Summary of Semi-Volatile Organic Compounds in Exploratory Test Pit Trenches from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-17

Sample ID Matrix Units Semivolatile Organic Compounds (ug/kg)	TAGM RSCO		TT17-67 SOIL ug/Kg	TT18-34 SOIL ug/Kg	TT19-34 SOIL ug/Kg	TT19-67 SOIL ug/Kg	TT21-56 SOIL ug/Kg	TT22-34 SOIL ug/Kg
Benzaldehyde	NC	U	35 U	3900 U	38 U	38 U	79 U	35 U
Phenol	30 or MDL	U	15 U	1700 U	16 U	16 U	34 U	15 U
bis(2-Chloroethyl)ether	NC	U	17 U	2000 U	19 U	19 U	40 U	18 U
2-Chlorophenol	800	U	15 U	1700 U	17 U	17 U	35 U	16 U
2-Methylphenol	100 or MDL	U	22 U	2500 U	25 U	25 U	51 U	23 U
2,2-oxybis(1-Chloropropane)	NC	U	19 U	2100 U	21 U	21 U	44 U	19 U
Acetophenone	NC	U	18 U	2100 U	20 U	21 U	42 U	19 U
3+4-Methylphenols	900	U	16 U	1800 U	18 U	18 U	37 U	17 U
N-Nitroso-di-n-propylamine	NC	U	16 U	1800 U	17 U	750	36 U	16 U
Hexachloroethane	NC	U	17 U	1900 U	19 U	19 U	39 U	17 U
Nitrobenzene	200 or MDL	U	18 U	2000 U	20 U	20 U	41 U	18 U
Isophorone	4,400	U	13 U	1500 U	14 U	15 U	30 U	13 U
2-Nitrophenol	330 or MDL	U	14 U	1600 U	16 U	16 U	33 U	14 U
2,4-Dimethylphenol	NC	U	19 U	2100 U	21 U	21 U	44 U	19 U
bis(2-Chloroethoxy)methane	NC	U	16 U	1800 U	18 U	18 U	37 U	16 U
2,4-Dichlorophenol	400	U	12 U	1400 U	14 U	14 U	28 U	13 U
Naphthalene	13,000		200 J	860 U	190 J	130 J	130 J	68 J
4-Chloroaniline	220 or MDL	U	130 U	15000 U	140 U	150 U	300 U	130 U
Hexachlorobutadiene	NC	U	12 U	1400 U	14 U	14 U	28 U	13 U
Caprolatam	NC	U	13 U	1500 U	14 U	14 U	30 U	13 U
4-Chloro-3-methylphenol	240 or MDL	U	10 U	1200 U	11 U	12 U	24 U	11 U
2-Methylnaphthalene	36,400	J	40 J	680 U	77 J	6.8 U	14 U	60 J
Hexachlorocyclopentadiene	NC	U	8.9 U	1000 U	9.7 U	9.8 U	20 U	9.0 U
2,4,6-Trichlorophenol	NC	U	13 U	1400 U	14 U	14 U	29 U	13 U
2,4,5-Trichlorophenol	100	U	23 U	2600 U	26 U	26 U	54 U	24 U
1,1-Biphenyl	NC		10 U	1200 U	11 U	12 U	24 U	11 U
2-Chloronaphthalene	NC	U	7.4 U	830 U	8.1 U	8.2 U	17 U	7.5 U
2-Nitroaniline	430 or MDL	U	13 U	1400 U	14 U	14 U	29 U	13 U
Dimethylphthalate	2,000	U	8.4 U	950 U	9.3 U	9.4 U	19 U	8.6 U

Summary of Semi-Volatile Organic Compounds in Exploratory Test Pit Trenches from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-17

Sample ID Matrix Units Semivolatile Organic Compounds (ug/kg)	TAGM RSCO		TT17-67 SOIL ug/Kg	TT18-34 SOIL ug/Kg	TT19-34 SOIL ug/Kg	TT19-67 SOIL ug/Kg	TT21-56 SOIL ug/Kg	TT22-34 SOIL ug/Kg
Acenaphthylene	41,000		11 U	13000 J	140 J	160 J	1500	320 J
2,6-Dinitrotoluene	1,000	U	15 U	1700 U	17 U	17 U	35 U	15 U
3-Nitroaniline	500 or MDL	U	57 U	6400 U	63 U	63 U	130 U	58 U
Acenaphthene	50,000		69 J	880 U	75 J	930	18 U	7.9 U
2,4-Dinitrophenol	200 or MDL	U	16 U	1800 U	17 UJ	17 UJ	36 UJ	16 U
4-Nitrophenol	100 or MDL	U	34 U	3900 U	38 U	38 U	79 U	35 U
Dibenzofuran	6,200	J	89 J	1300 U	49 J	70 J	27 U	12 U
2,4-Dinitrotoluene	1,000	U	7.0 U	790 U	7.7 U	7.8 U	16 U	7.2 U
Diethylphthalate	7,100	U	11 U	1200 U	12 U	12 U	26 U	11 U
4-Chlorophenyl-phenylether	NC	U	8.7 U	980 U	9.6 U	9.7 U	20 U	8.9 U
Fluorene	50,000		110 J	1100 U	11 U	92 J	23 U	38 J
4-Nitroaniline	NC	U	28 U	3100 U	30 UJ	31 UJ	64 UJ	28 U
4,6-Dinitro-2-methylphenol	NC	U	20 U	2300 U	23 U	23 U	47 U	21 U
N-Nitrosodiphenylamine	NC	U	9.0 U	1000 U	9.9 U	10 U	21 U	9.1 U
4-Bromophenyl-phenylether	NC	U	9.3 U	1000 U	10 U	10 U	21 U	9.5 U
Hexachlorobenzene	410	U	6.6 U	740 U	7.3 U	7.4 U	15 U	6.7 U
Atrazine	NC	U	11 U	1200 U	12 U	12 U	25 U	11 U
Pentachlorophenol	1000 or MDL	U	11 U	1200 U	12 U	12 U	25 U	11 U
Phenanthrene	50,000		750	890 U	700	500	270 J	500
Anthracene	50,000		180 J	950 U	170 J	450	150 J	140 J
Carbazole	NC	J	84 J	880 U	79 J	8.7 UJ	18 UJ	7.9 U
Di-n-butylphthalate	8,100	U	4.7 U	530 U	5.2 U	5.2 U	11 U	4.8 U
Fluoranthene	50,000		660	550 U	870	1300	1200	960
Pyrene	50,000		610	14000 J	990	2100	3200	1650
Butylbenzylphthalate	50,000	U	12 U	1300 U	13 U	13 U	27 U	12 U
3,3-Dichlorobenzidine	NA	U	57 U	6400 U	62 U	63 U	130 U	58 U
Benzo(a)anthracene	224 or MDL		***290*** J	***6000*** J	***560***	***760***	***2100***	***890***
Chrysene	400		290 J	***9900*** J	***560***	***670***	***2600***	***910***
bis(2-Ethylhexyl)phthalate	50,000	U	86 U	910 U	210 J	220 J	420 J	160 U

Summary of Semi-Volatile Organic Compounds in Exploratory Test Pit Trenches from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-17

Sample ID			TT17-67	TT18-34	TT19-34	TT19-67	TT21-56	TT22-34
Matrix			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semivolatile Organic Compounds (ug/kg)	TAGM RSCO							
Di-n-octyl phthalate	50,000	U	8.4 U	950 U	9.3 U	9.4 U	19 U	8.6 U
Benzo(b)fluoranthene	1,100		300 J	***9400*** J	520	610	***4400***	***1200***
Benzo(k)fluoranthene	1,100		130 J	**9200** J	250 J	150 J	960	350 J
Benzo(a)pyrene	61 or MDL		***260*** J	***17000*** J	**470**	***620***	***3500***	**950**
Indeno(1,2,3-cd)pyrene	3,200	J	130 J	***5100*** J	180 J	170 J	530 J	220 J
Dibenz(a,h)anthracene	14 or MDL	J	10 U	1200 U	**75** J	**71** J	***370*** J	11 U
Benzo(g,h,i)perylene	50,000	J	140 J	8400 J	220 J	210 J	800 J	280 J
Total Confident Conc. SVOC	500,000		4,332	92,000	6,385	9,963	22,130	8,536
Carcinogenic SVOCs in BaP Equivalents			336.2	19,241	679.1	853.2	4,608.6	1,193.6

Summary of Semi-Volatile Organic Compounds in Exploratory Test Pit Trenches from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-17

Sample ID Matrix Units Semivolatile Organic Compounds (ug/kg)	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detection	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
Benzaldehyde	NC	19	0	0.0%	0	0.0%	<35	<3,800
Phenol	30 or MDL	19	0	0.0%	0	0.0%	<15	<1,700
bis(2-Chloroethyl)ether	NC	19	0	0.0%	0	0.0%	<17	<1,900
2-Chlorophenol	800	19	0	0.0%	0	0.0%	<15	<1,700
2-Methylphenol	100 or MDL	19	0	0.0%	0	0.0%	<22	<2,500
2,2-oxybis(1-Chloropropane)	NC	19	0	0.0%	0	0.0%	<19	<2,100
Acetophenone	NC	19	0	0.0%	0	0.0%	<18	<2,100
3+4-Methylphenols	900	19	0	0.0%	0	0.0%	<16	<1,800
N-Nitroso-di-n-propylamine	NC	19	1	5.3%	0	0.0%	<16	750
Hexachloroethane	NC	19	0	0.0%	0	0.0%	<17	<1,900
Nitrobenzene	200 or MDL	19	0	0.0%	0	0.0%	<18	<2,000
Isophorone	4,400	19	0	0.0%	0	0.0%	<13	<1,500
2-Nitrophenol	330 or MDL	19	0	0.0%	0	0.0%	<14	<1,600
2,4-Dimethylphenol	NC	19	0	0.0%	0	0.0%	<19	<2,100
bis(2-Chloroethoxy)methane	NC	19	0	0.0%	0	0.0%	<16	<1,800
2,4-Dichlorophenol	400	19	0	0.0%	0	0.0%	<12	<1,400
Naphthalene	13,000	19	17	89.5%	7	36.8%	68	310,000
4-Chloroaniline	220 or MDL	19	0	0.0%	0	0.0%	<130	<15,000
Hexachlorobutadiene	NC	19	0	0.0%	0	0.0%	<12	<1,400
Caprolatam	NC	19	0	0.0%	0	0.0%	<13	<2,600
4-Chloro-3-methylphenol	240 or MDL	19	0	0.0%	0	0.0%	<10	<1,200
2-Methylnaphthalene	36,400	19	12	63.2%	4	21.1%	<6.4	68,000
Hexachlorocyclopentadiene	NC	19	0	0.0%	0	0.0%	<8.9	<1,000
2,4,6-Trichlorophenol	NC	19	0	0.0%	0	0.0%	<13	<1,400
2,4,5-Trichlorophenol	100	19	0	0.0%	0	0.0%	<23	<2,600
1,1-Biphenyl	NC	19	4	21.1%	0	0.0%	<10	9,100
2-Chloronaphthalene	NC	19	0	0.0%	0	0.0%	<7.4	<830
2-Nitroaniline	430 or MDL	19	0	0.0%	0	0.0%	<13	<1,400
Dimethylphthalate	2,000	19	0	0.0%	0	0.0%	<8.4	<950

Summary of Semi-Volatile Organic Compounds in Exploratory Test Pit Trenches from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-17

Sample ID Matrix Units Semivolatile Organic Compounds (ug/kg)	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detection	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
Acenaphthylene	41,000	19	15	78.9%	0	0.0%	<11	33,000
2,6-Dinitrotoluene	1,000	19	0	0.0%	0	0.0%	<15	<1,700
3-Nitroaniline	500 or MDL	19	0	0.0%	0	0.0%	<57	<6,400
Acenaphthene	50,000	19	9	47.4%	0	0.0%	<7.9	<44,000
2,4-Dinitrophenol	200 or MDL	19	0	0.0%	0	0.0%	<16	<1,800
4-Nitrophenol	100 or MDL	19	0	0.0%	0	0.0%	<34	<3,900
Dibenzofuran	6,200	19	8	42.1%	1	5.3%	<12	12,000
2,4-Dinitrotoluene	1,000	19	2	10.5%	2	10.5%	<7.0	7,300
Diethylphthalate	7,100	19	1	5.3%	0	0.0%	<11	<1,200
4-Chlorophenyl-phenylether	NC	19	0	0.0%	0	0.0%	<8.7	<980
Fluorene	50,000	19	10	52.6%	0	0.0%	<11	33,000
4-Nitroaniline	NC	19	0	0.0%	0	0.0%	<28	<3,100
4,6-Dinitro-2-methylphenol	NC	19	0	0.0%	0	0.0%	<20	<2,300
N-Nitrosodiphenylamine	NC	19	0	0.0%	0	0.0%	<9.0	<1,000
4-Bromophenyl-phenylether	NC	19	0	0.0%	0	0.0%	<9.3	<1,000
Hexachlorobenzene	410	19	0	0.0%	0	0.0%	<6.6	<740
Atrazine	NC	19	0	0.0%	0	0.0%	<11	<1,200
Pentachlorophenol	1000 or MDL	19	0	0.0%	0	0.0%	<11	<1,200
Phenanthrene	50,000	19	16	84.2%	3	15.8%	<47	100,000
Anthracene	50,000	19	15	78.9%	0	0.0%	<8.9	26,000
Carbazole	NC	19	5	26.3%	0	0.0%	<7.9	4,700
Di-n-butylphthalate	8,100	19	4	21.1%	1	5.3%	<4.7	21,000
Fluoranthene	50,000	19	17	89.5%	2	10.5%	<98	150,000
Pyrene	50,000	19	18	94.7%	1	5.3%	<130	130,000
Butylbenzylphthalate	50,000	19	0	0.0%	0	0.0%	<12	<1,300
3,3-Dichlorobenzidine	NA	19	0	0.0%	0	0.0%	<57	<6,400
Benzo(a)anthracene	224 or MDL	19	18	94.7%	18	94.7%	<110	<46,000
Chrysene	400	19	18	94.7%	17	89.5%	<220	<47,000
bis(2-Ethylhexyl)phthalate	50,000	19	4	21.1%	0	0.0%	<56	<910

Summary of Semi-Volatile Organic Compounds in Exploratory Test Pit Trenches from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-17

Sample ID Matrix Units Semivolatile Organic Compounds (ug/kg)	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detection	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
Di-n-octyl phthalate	50,000	19	0	0.0%	0	0.0%	<8.4	<950
Benzo(b)fluoranthene	1,100	19	18	94.7%	13	68.4%	<300	42,000
Benzo(k)fluoranthene	1,100	19	18	94.7%	10	52.6%	<130	25,000
Benzo(a)pyrene	61 or MDL	19	18	94.7%	18	94.7%	<120	50,000
Indeno(1,2,3-cd)pyrene	3,200	19	16	84.2%	6	31.6%	<98	13,000
Dibenz(a,h)anthracene	14 or MDL	19	9	47.4%	9	47.4%	<10	5,300
Benzo(g,h,i)perylene	50,000	19	17	89.5%	0	0.0%	140	8,400
Total Confident Conc. SVOC Carcinogenic SVOCs in BaP Equivalents	500,000							

Summary of Metals in Exploratory Test Pit Trenches from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-18

Sample ID Units RCRA Metals	TAGM RSCO	TT03-23 mg/Kg	TT04-45 mg/Kg	TT05-45 mg/Kg	TT08-34 mg/Kg	TT26-34 mg/Kg Duplicate	TT9-23 mg/Kg	TT10-56 mg/Kg	TT10-78 mg/Kg
Arsenic	12	***14.0*** J	5.5 J	5.0 J	4.1 J	4.6 J	3.4	***13.3***	10.3
Barium	600	218 J	109	87.8 J	172 J	152 J	63.1	88.7	82.1
Cadmium	1	***3.5***	***1.7***	0.58 J	0.51 J	0.30 J	0.05 U	***3.4***	***2.1***
Chromium	40	30.0	12.1	13.2	11.7	10.0	8.1	7.9	14.0
Lead	500	***826*** J	***505***	367 J	286 J	258 J	***524*** J	***650*** J	447 J
Mercury	0.1	***0.25*** J	***1.3***	***0.57*** J	***0.55*** J	***0.67*** J	***0.23***	***0.18*** J	***0.13*** J
Selenium	3.9	1.4	0.35 U	0.41 U	0.52 J	0.35 U	0.33 U	0.38 U	0.55 J
Silver	SB	0.13 U	0.12 U	0.14 U	0.13 U	0.12 U	0.11 UN	0.13 UJ	0.12 UJ

Summary of Metals in Exploratory Test Pit Trenches from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-18

Sample ID Units RCRA Metals	TAGM RSCO	TT13-34 mg/Kg	TT13-45 mg/Kg	TT14-34 mg/Kg	TT15-34 mg/Kg	TT16-12 mg/Kg	TT17-67 mg/Kg	TT18-34 mg/Kg
Arsenic	12	***12.8***	9.2	***13.0***	***18.4*** J	8.7	9.5	9.1
Barium	600	495	253	238	204	202	90.3	132
Cadmium	1	***1.5***	0.54 J	***2.7***	***1.6***	***2.3***	0.21 J	0.08 J
Chromium	40	15.6	12.7	16.8	20.3	11.7	11.8	10.0
Lead	500	***641*** J	***739*** J	***1480***	***596***	***1270***	85.7	***501*** J
Mercury	0.1	***0.84*** D	***0.41*** J	***0.51*** J	***0.32***	***1.7***	0.09 J	***1.0*** D
Selenium	3.9	0.53 J	1.4	0.62 J	0.47 U	0.35 U	0.34 U	0.36 U
Silver	SB	0.12 UN	0.13 U	0.12 U	0.16 U	0.49 J	0.11 U	0.12 UN

Summary of Metals in Exploratory Test Pit Trenches from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-18

Sample ID Units RCRA Metals	TAGM RSCO	TT19-34 mg/Kg	TT19-67 mg/Kg	TT21-56 mg/Kg	TT22-34 mg/Kg
Arsenic	12	4.3	5.0	3.6	7.2
Barium	600	89.8	157	65.6	166
Cadmium	1	0.61	0.40 J	0.60 J	***1.4***
Chromium	40	6.3	10.4	7.0	10.5
Lead	500	189 J	441 J	118 J	343
Mercury	0.1	***0.38*** J	***0.51*** J	***0.43*** J	***2.8*** J
Selenium	3.9	0.37 U	0.37 U	0.39 U	0.35 U
Silver	SB	0.13 UJ	0.13 UJ	0.13 UJ	0.12 U

Summary of Metals in Exploratory Test Pit Trenches from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-18

Sample ID Units RCRA Metals	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detections	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
Arsenic	12	19	19	100%	5	26%	3.4	18.4
Barium	600	19	19	100%	0	0%	63.1	495
Cadmium	1	19	18	95%	9	47%	<0.05	3.5
Chromium	40	19	19	100%	0	0%	6.3	30.0
Lead	500	19	19	100%	10	53%	85.7	1,480
Mercury	0.1	19	19	100%	18	95%	0.09	2.8
Selenium	3.9	19	6	32%	0	0%	<0.33	1.4
Silver	SB	19	1	5%	0	0%	<0.11	0.49

Summary of PCBs in Exploratory Test Pit Trenches from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-19

Sample ID Units PCBs (ug/Kg)	TAGM RSCO	TT03-23 ug/Kg	TT03-23DL ug/Kg	TT04-45 ug/Kg	TT05-45 ug/Kg	TT08-34 ug/Kg	TT26-34 ug/Kg Duplicate	TT9-23 ug/Kg
Aroclor-1016	10,000	6.4 U	64 UD	5.8 U	6.7 U	6.2 U	5.9 U	11 U
Aroclor-1221	10,000	4.3 U	43 UD	4.0 U	4.6 U	4.2 U	4.0 U	7.5 U
Aroclor-1232	10,000	2.9 U	29 UD	2.7 U	3.1 U	2.9 U	2.7 U	5.1 U
Aroclor-1242	10,000	3.8 U	38 UD	3.5 U	4.0 U	3.7 U	3.5 U	6.5 U
Aroclor-1248	10,000	4.5 U	45 UD	4.1 U	4.7 U	4.4 U	4.2 U	7.7 U
Aroclor-1254	10,000	1.6 U	16 UD	1.5 U	1.7 U	1.6 U	1.5 U	2.8 U
Aroclor-1260	10,000	1900 J	3000 PD	3.3 U	3.8 U	3.5 U	3.4 U	6.2 U

Summary of PCBs in Exploratory Test Pit Trenches from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-19

Sample ID Units PCBs (ug/Kg)	TAGM RSCO	TT10-56 ug/Kg	TT10-78 ug/Kg	TT13-34 ug/Kg	TT13-45 ug/Kg	TT14-34 ug/Kg	TT15-34 ug/Kg	TT16-12 ug/Kg
Aroclor-1016	10,000	6.2 U	6.1 U	12 U	6.4 U	5.9 U	7.7 U	5.8 U
Aroclor-1221	10,000	1.5 U	1.5 U	8.3 U	4.3 U	4.0 U	5.2 U	1.4 U
Aroclor-1232	10,000	9.5 U	9.3 U	5.6 U	2.9 U	2.7 U	3.5 U	8.9 U
Aroclor-1242	10,000	2.6 U	2.6 U	7.2 U	3.8 U	3.5 U	4.6 U	2.5 U
Aroclor-1248	10,000	6.5 U	6.4 U	8.5 U	4.5 U	4.1 U	5.4 U	6.1 U
Aroclor-1254	10,000	13 U	12 U	3.1 U	1.6 U	1.5 U	2.0 U	12 U
Aroclor-1260	10,000	2.4 U	2.3 U	6.9 U	3.6 U	3.3 U	4.3 U	2.2 U

Summary of PCBs in Exploratory Test Pit Trenches from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-19

Sample ID Units PCBs (ug/Kg)	TAGM RSCO	TT17-67 ug/Kg	TT18-34 ug/Kg	TT19-34 ug/Kg	TT19-67 ug/Kg	TT21-56 ug/Kg	TT22-34 ug/Kg
Aroclor-1016	10,000	5.6 U	12 U	6.2 U	6.2 U	6.4 U	5.6 U
Aroclor-1221	10,000	3.8 U	8.4 U	1.5 U	1.5 U	1.6 U	3.8 U
Aroclor-1232	10,000	2.6 U	5.7 U	9.5 U	9.5 U	9.9 U	2.6 U
Aroclor-1242	10,000	3.3 U	7.3 U	2.6 U	2.6 U	2.7 U	3.3 U
Aroclor-1248	10,000	3.9 U	8.6 U	6.5 U	6.5 U	6.8 U	3.9 U
Aroclor-1254	10,000	1.4 U	3.2 U	13 U	13 U	13 U	1.5 U
Aroclor-1260	10,000	3.1 U	6.9 U	2.4 U	2.4 U	2.5 U	3.2 U

Summary of PCBs in Exploratory Test Pit Trenches from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-19

Sample ID Units PCBs (ug/Kg)	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detection	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
Aroclor-1016	10,000	20	0	0	0	0%	<5.6	<64
Aroclor-1221	10,000	20	0	0	0	0%	<1.4	<43
Aroclor-1232	10,000	20	0	0	0	0%	<2.6	<29
Aroclor-1242	10,000	20	0	0	0	0%	<2.5	<38
Aroclor-1248	10,000	20	0	0	0	0%	<4.5	<45
Aroclor-1254	10,000	20	0	0	0	0%	<1.4	<16
Aroclor-1260	10,000	20	2	10%	0	0%	<2.2	3,000

Summary of Cyanide in Exploratory Test Pit Trenches from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-20

Sample ID Units	TAGM RSCO	TT03-23 mg/Kg	TT04-45 mg/Kg	TT05-45 mg/Kg	TT08-34 mg/Kg	TT26-34 mg/Kg Duplicate	TT9-23 mg/Kg
Cyanide	NC	0.619 U	0.569 U	0.65 U	0.613 U	0.575 U	0.536 U

Summary of Cyanide in Exploratory Test Pit Trenches from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-20

Sample ID Units	TAGM RSCO	TT10-56 mg/Kg	TT10-78 mg/Kg	TT13-34 mg/Kg	TT13-45 mg/Kg	TT14-34 mg/Kg	TT15-34 mg/Kg	TT16-12 mg/Kg
Cyanide	NC	0.603 U	0.59 U	0.588 U	0.617 U	0.965	0.747 U	2.000

Summary of Cyanide in Exploratory Test Pit Trenches from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-20

Sample ID Units	TAGM RSCO	TT17-67 mg/Kg	TT18-34 mg/Kg	TT19-34 mg/Kg	TT19-67 mg/Kg	TT21-56 mg/Kg	TT22-34 mg/Kg
Cyanide	NC	0.538 U	0.600 U	0.598 U	0.596 U	0.616 U	0.606

Summary of Cyanide in Exploratory Test Pit Trenches from Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-20

Sample ID Units	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detection	Number of Exceedances	Frequency of Exceedance	Maximum Reported Concentration	Maximum Reported Concentration
Cyanide	NC	19	3	16%	0	0%	<0.536	2.000

Summary of Volatile Organic Compounds in Groundwater at Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-21

Sample ID Units COMPOUND	TOGS Class GA	MW2 ug/L	MW4 ug/L	MW5 ug/L	MW55-Duplicate ug/L
Dichlorodifluoromethane	5	0.33 U	0.33 U	0.33 U	0.33 U
Chloromethane	5	0.68 U	0.68 U	0.68 U	0.68 U
Vinyl Chloride	2	0.27 U	0.27 U	0.27 U	0.27 U
Bromomethane	5	0.78 U	0.78 U	0.78 U	0.78 U
Chloroethane	5	0.88 U	0.88 U	0.88 U	0.88 U
Trichlorofluoromethane	5	0.58 U	0.58 U	0.58 U	0.58 U
1,1,2-Trichlorotrifluoroethane	NA	0.69 U	0.69 U	0.69 U	0.69 U
1,1-Dichloroethene	5	0.32 U	0.32 U	0.32 U	0.32 U
Acetone	50	3.3 U	3.3 U	3.3 U	3.3 U
Carbon Disulfide	NA	0.39 U	0.39 U	0.39 U	0.39 U
Methyl tert-butyl Ether	10	0.36 U	0.36 U	0.36 U	0.36 U
Methyl Acetate	NA	0.83 U	0.83 U	0.83 U	0.83 U
Methylene Chloride	5	0.62 U	0.62 U	0.62 U	0.62 U
trans-1,2-Dichloroethene	5	0.51 U	0.51 U	0.51 U	0.51 U
1,1-Dichloroethane	5	0.22 U	0.22 U	0.22 U	0.22 U
Cyclohexane	NA	0.37 U	8.3	0.37 U	0.37 U
2-Butanone	NA	2.8 U	2.8 U	2.8 U	2.8 U
Carbon Tetrachloride	5	0.47 U	0.47 U	0.47 U	0.47 U
cis-1,2-Dichloroethene	5	0.77 U	0.77 U	0.77 U	0.77 U
Chloroform	7	0.58 U	0.58 U	0.58 U	0.58 U
1,1,1-Trichloroethane	5	0.41 U	0.41 U	0.41 U	0.41 U
Methylcyclohexane	NA	0.58 U	5.2	0.58 U	0.58 U
Benzene	1	***440*** D	***51***	***5.7***	0.24 U
1,2-Dichloroethane	0.6	0.32 U	0.32 U	0.32 U	0.32 U
Trichloroethene	5	0.67 U	0.67 U	0.67 U	0.67 U
1,2-Dichloropropane	1	0.63 U	0.63 U	0.63 U	0.63 U
Bromodichloromethane	50	0.35 U	0.35 U	0.35 U	0.35 U
4-Methyl-2-Pentanone	NA	1.3 U	1.3 U	1.3 U	1.3 U
Toluene	5	***66***	3.3 J	1.3 J	0.39 U

Summary of Volatile Organic Compounds in Groundwater at Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-21

Sample ID Units COMPOUND	TOGS Class GA	MW2 ug/L	MW4 ug/L	MW5 ug/L	MW55-Duplicate ug/L
t-1,3-Dichloropropene	0.4	0.42 U	0.42 U	0.42 U	0.42 U
cis-1,3-Dichloropropene	0.4	0.15 U	0.15 U	0.15 U	0.15 U
1,1,2-Trichloroethane	5	0.52 U	0.52 U	0.52 U	0.52 U
2-Hexanone	50	0.66 U	0.66 U	0.66 U	0.66 U
Dibromochloromethane	50	0.38 U	0.38 U	0.38 U	0.38 U
1,2-Dibromoethane	NA	0.63 U	0.63 U	0.63 U	0.63 U
Tetrachloroethene	5	0.33 U	0.33 U	0.33 U	0.33 U
Chlorobenzene	5	0.37 U	0.37 U	0.37 U	0.37 U
Ethyl Benzene	5	***910*** D	0.81 J	0.41 U	0.41 U
m/p-Xylenes	5	***200***	2.9 J	3.1 J	0.96 U
o-Xylene	5	***300*** D	1.6 J	2.1 J	0.37 U
Styrene	5	0.34 U	0.34 U	0.34 U	0.34 U
Bromoform	50	0.25 U	0.25 U	0.25 U	0.25 U
Isopropylbenzene	5	***94***	2.1 J	0.33 U	0.33 U
1,1,2,2-Tetrachloroethane	5	0.50 U	0.50 U	0.50 U	0.50 U
1,3-Dichlorobenzene	3	0.37 U	0.37 U	0.37 U	0.37 U
1,4-Dichlorobenzene	3	0.39 U	0.39 U	0.39 U	0.39 U
1,2-Dichlorobenzene	3	0.37 U	0.37 U	0.37 U	0.37 U
1,2-Dibromo-3-Chloropropane	0.04	0.94 U	0.94 U	0.94 U	0.94 U
1,2,4-Trichlorobenzene	5	0.29 U	0.29 U	0.29 U	0.29 U
Total Confident Conc. VOC		2,010	75.21	12.2	0

Summary of Volatile Organic Compounds in Groundwater at Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-21

Sample ID Units COMPOUND	TOGS Class GA	Number of Samples	Number of Detections	Frequency of Detection	Number of TOGS Exceedances	Frequency of Exeedances	Minimum Reported Concentration	Maximum Reported Concentration
Dichlorodifluoromethane	5	4	0	0	0	0%	<0.33	<0.33
Chloromethane	5	4	0	0%	0	0%	<0.68	<0.68
Vinyl Chloride	2	4	0	0%	0	0%	<0.27	<0.27
Bromomethane	5	4	0	0%	0	0%	<0.78	<0.78
Chloroethane	5	4	0	0%	0	0%	<0.88	<0.88
Trichlorofluoromethane	5	4	0	0%	0	0%	<0.58	<0.58
1,1,2-Trichlorotrifluoroethane	NA	4	0	0%	0	0%	<0.69	<0.69
1,1-Dichloroethene	5	4	0	0%	0	0%	<0.32	<0.32
Acetone	50	4	0	0%	0	0%	<63.3	<63.3
Carbon Disulfide	NA	4	0	0%	0	0%	<0.39	<0.39
Methyl tert-butyl Ether	10	4	0	0%	0	0%	<0.36	<0.36
Methyl Acetate	NA	4	0	0%	0	0%	<0.83	<0.83
Methylene Chloride	5	4	0	0%	0	0%	<0.62	<0.62
trans-1,2-Dichloroethene	5	4	0	0%	0	0%	<0.51	<0.51
1,1-Dichloroethane	5	4	0	0%	0	0%	<0.22	<0.22
Cyclohexane	NA	4	1	25%	0	0%	<0.37	8.3
2-Butanone	NA	4	0	0%	0	0%	<0.28	<0.28
Carbon Tetrachloride	5	4	0	0%	0	0%	<0.47	<0.47
cis-1,2-Dichloroethene	5	4	0	0%	0	0%	<0.77	<0.77
Chloroform	7	4	0	0%	0	0%	<0.58	<0.58
1,1,1-Trichloroethane	5	4	0	0%	0	0%	<0.41	<0.41
Methylcyclohexane	NA	4	1	25%	0	0%	<0.58	5.2
Benzene	1	4	3	75%	3	75%	<0.24	440
1,2-Dichloroethane	0.6	4	0	0%	0	0%	<0.32	<0.32
Trichloroethene	5	4	0	0%	0	0%	<0.67	<0.67
1,2-Dichloropropane	1	4	0	0%	0	0%	<0.63	<0.63
Bromodichloromethane	50	4	0	0%	0	0%	<.35	<.35
4-Methyl-2-Pentanone	NA	4	0	0%	0	0%	<1.3	<1.3
Toluene	5	4	3	75%	1	25%	<0.39	66

Summary of Volatile Organic Compounds in Groundwater at Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-21

Sample ID Units COMPOUND	TOGS Class GA	Number of Samples	Number of Detections	Frequency of Detection	Number of TOGS Exceedances	Frequency of Exeedances	Minimum Reported Concentration	Maximum Reported Concentration
t-1,3-Dichloropropene	0.4	4	0	0%	0	0%	<0.42	<0.42
cis-1,3-Dichloropropene	0.4	4	0	0%	0	0%	<0.15	<0.15
1,1,2-Trichloroethane	5	4	0	0%	0	0%	<0.52	<0.52
2-Hexanone	50	4	0	0%	0	0%	<0.66	<0.66
Dibromochloromethane	50	4	0	0%	0	0%	<0.38	<0.38
1,2-Dibromoethane	NA	4	0	0%	0	0%	<0.63	<0.63
Tetrachloroethene	5	4	0	0%	0	0%	<0.33	<0.33
Chlorobenzene	5	4	0	0%	0	0%	<0.37	<0.37
Ethyl Benzene	5	4	2	50%	1	25%	<0.41	910
m/p-Xylenes	5	4	3	75%	1	25%	<0.96	200
o-Xylene	5	4	3	75%	1	25%	<0.37	300
Styrene	5	4	0	0%	0	0%	<0.34	<0.34
Bromoform	50	4	0	0%	0	0%	<0.25	<0.25
Isopropylbenzene	5	4	2	50%	1	25%	<0.33	94
1,1,2,2-Tetrachloroethane	5	4	0	0%	0	0%	<0.50	<0.50
1,3-Dichlorobenzene	3	4	0	0%	0	0%	<0.37	<0.37
1,4-Dichlorobenzene	3	4	0	0%	0	0%	<0.39	<0.39
1,2-Dichlorobenzene	3	4	0	0%	0	0%	<0.37	<0.37
1,2-Dibromo-3-Chloropropane	0.04	4	0	0%	0	0%	<0.94	<0.94
1,2,4-Trichlorobenzene	5	4	0	0%	0	0%	<0.29	<0.29
Total Confident Conc. VOC								

Summary of Semi-Volatile Organic Compounds in Groundwater at Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-22

Sample ID Units COMPOUND	TOGS Class GA	MW2 ug/L	MW4 ug/L	MW5 ug/L	MW55-Duplicate ug/L
Benzaldehyde	NA	1.7 U	1.8 U	1.7 U	1.7 U
Phenol	1	0.430 U	0.440 U	0.430 U	0.430 U
bis(2-Chloroethyl)ether	1	0.330 U	0.330 U	0.330 U	0.330 U
2-Chlorophenol	NA	0.730 U	0.740 U	0.730 U	0.730 U
2-Methylphenol	NA	1.1 U	1.2 U	1.1 U	1.1 U
2,2-oxybis(1-Chloropropane)		0.830 U	0.850 U	0.840 U	0.830 U
Acetophenone	NA	0.550 U	0.560 U	0.560 U	0.550 U
3+4-Methylphenols	NA	1.1 U	1.1 U	1.1 U	1.1 U
N-Nitroso-di-n-propylamine	NA	0.770 U	0.780 U	0.770 U	0.770 U
Hexachloroethane	5	0.910 U	0.930 U	0.920 U	0.910 U
Nitrobenzene	0.4	0.380 U	0.380 U	0.380 U	0.380 U
Isophorone	50	0.480 U	0.490 U	0.480 U	0.480 U
2-Nitrophenol	NA	0.270 U	0.270 U	0.270 U	0.270 U
2,4-Dimethylphenol	50	0.460 U	0.470 U	0.470 U	0.460 U
bis(2-Chloroethoxy)methane	5	0.440 U	0.450 U	0.450 U	0.440 U
2,4-Dichlorophenol	5	0.290 U	0.290 U	0.290 U	0.290 U
Naphthalene	10	***790*** D	0.270 U	0.270 U	0.270 U
4-Chloroaniline	5	4.1 U	4.2 U	4.1 U	4.1 U
Hexachlorobutadiene	0.5	0.380 U	0.380 U	0.380 U	0.380 U
Caprolactam	NA	0.510 U	0.520 U	0.510 U	0.510 U
4-Chloro-3-methylphenol	NA	0.300 U	0.310 U	0.300 U	0.300 U
2-Methylnaphthalene	NA	150 D	0.510 U	0.500 U	0.500 U
Hexachlorocyclopentadiene	5	0.450 U	0.460 U	0.460 U	0.450 U
2,4,6-Trichlorophenol	NA	0.280 U	0.290 U	0.290 U	0.280 U
2,4,5-Trichlorophenol	NA	0.580 U	0.590 U	0.590 U	0.580 U
1,1-Biphenyl	5	***19***	0.270 U	0.270 U	0.270 U
2-Chloronaphthalene	10	0.390 U	0.390 U	0.390 U	0.390 U
2-Nitroaniline	5	0.300 U	0.300 U	0.300 U	0.300 U
Dimethylphthalate	50	0.260 U	0.260 U	0.260 U	0.260 U

Summary of Semi-Volatile Organic Compounds in Groundwater at Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-22

Sample ID Units COMPOUND	TOGS Class GA	MW2 ug/L	MW4 ug/L	MW5 ug/L	MW55-Duplicate ug/L
Acenaphthylene	NA	1.4 J	0.440 U	1.8 J	3.6 J
2,6-Dinitrotoluene	5	0.410 U	0.420 U	0.420 U	0.410 U
3-Nitroaniline	5	1.0 U	1.1 U	1.1 U	1.7 J
Acenaphthene	20	***26***	0.240 U	8.6 J	***21***
2,4-Dinitrophenol	10	0.190 U	0.190 U	0.190 U	0.190 U
4-Nitrophenol	NA	0.940 U	0.960 U	0.950 U	0.940 U
Dibenzofuran	NA	2.2 J	0.320 U	0.320 U	9.9 J
2,4-Dinitrotoluene	5	0.340 U	0.340 U	0.340 U	0.340 U
Diethylphthalate	50	0.340 U	0.350 U	0.340 U	0.340 U
4-Chlorophenyl-phenylether	NA	0.360 U	0.370 U	0.370 U	0.360 U
Fluorene	50	15	0.180 U	0.170 U	21
4-Nitroaniline	5	0.830 U	0.850 U	0.840 U	0.830 U
4,6-Dinitro-2-methylphenol	NA	1.4 U	1.5 U	1.5 U	1.4 U
N-Nitrosodiphenylamine	50	0.280 U	0.290 U	0.280 U	0.280 U
4-Bromophenyl-phenylether	NA	0.170 U	0.170 U	0.170 U	0.170 U
Hexachlorobenzene	0.04	0.230 U	0.240 U	0.230 U	0.230 U
Atrazine	7.5	0.480 U	0.490 U	0.480 U	0.480 U
Pentachlorophenol	1	0.390 U	0.400 U	0.390 U	0.390 U
Phenanthrene	50	12	0.280 U	1.5 J	***67***
Anthracene	50	1.9 J	0.160 U	1.8 J	30
Carbazole	NA	1.6 J	0.310 U	0.310 U	2.9 J
Di-n-butylphthalate	50	0.098 U	0.100 U	0.099 U	0.098 U
Fluoranthene	50	0.210 U	0.210 U	12	***51***
Pyrene	50	0.250 U	0.250 U	14	***68***
Butylbenzylphthalate	5	0.300 U	0.300 U	0.300 U	0.300 U
3,3-Dichlorobenzidine	5	1.6 U	1.6 U	1.6 U	1.6 U
Benzo(a)anthracene	0.002	0.220 U	0.230 U	***3.6*** J	***16***
Chrysene	0.002	0.380 U	0.390 U	***3.5*** J	***14***
bis(2-Ethylhexyl)phthalate	5	0.340 U	0.350 U	0.350 U	0.340 U

Summary of Semi-Volatile Organic Compounds in Groundwater at Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-22

Sample ID		MW2	MW4	MW5	MW55-Duplicate
Units		ug/L	ug/L	ug/L	ug/L
COMPOUND	TOGS Class GA				
Di-n-octyl phthalate	NA	0.170 U	0.180 U	0.170 U	0.170 U
Benzo(b)fluoranthene	0.002	0.230 U	0.240 U	***1.9*** J	***7.2*** J
Benzo(k)fluoranthene	0.002	0.380 U	0.390 U	0.390 U	***4.2*** J
Benzo(a)pyrene	ND	0.450 U	0.460 U	0.450 U	7.9 J
Indeno(1,2,3-cd)pyrene	0.002	0.290 U	0.300 U	0.290 U	***3.1*** J
Dibenz(a,h)anthracene	NA	0.290 U	0.300 U	0.290 U	0.290 U
Benzo(g,h,i)perylene	NA	0.420 U	0.430 U	0.430 U	0.420 U
Total Confident Conc. SVOC	NA	869.1	0	48.7	328.5

Summary of Semi-Volatile Organic Compounds in Groundwater at Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-22

Sample ID Units COMPOUND	TOGS Class GA	Number of Samples	Number of Detections	Frequency of Detection	Number of TOGS Exceedances	Frequency of Exeedances	Minimum Reported Concentration	Maximum Reported Concentration
Benzaldehyde	NA	4	0	0%	0	0%	<1.7	<1.8
Phenol	1	4	0	0%	0	0%	<0.43	<0.44
bis(2-Chloroethyl)ether	1	4	0	0%	0	0%	<0.33	<0.33
2-Chlorophenol	NA	4	0	0%	0	0%	<0.73	<0.74
2-Methylphenol	NA	4	0	0%	0	0%	<1.1	<1.2
2,2-oxybis(1-Chloropropane)		4	0	0%	0	0%	<0.83	<0.85
Acetophenone	NA	4	0	0%	0	0%	<0.55	<0.56
3+4-Methylphenols	NA	4	0	0%	0	0%	<1.1	<1.1
N-Nitroso-di-n-propylamine	NA	4	0	0%	0	0%	<0.77	<0.78
Hexachloroethane	5	4	0	0%	0	0%	<0.91	<0.93
Nitrobenzene	0.4	4	0	0%	0	0%	<0.38	<0.38
Isophorone	50	4	0	0%	0	0%	<0.48	<0.49
2-Nitrophenol	NA	4	0	0%	0	0%	<0.27	<0.27
2,4-Dimethylphenol	50	4	0	0%	0	0%	<0.46	<0.47
bis(2-Chloroethoxy)methane	5	4	0	0%	0	0%	<0.44	<0.45
2,4-Dichlorophenol	5	4	0	0%	0	0%	<0.29	<0.29
Naphthalene	10	4	1	25%	1	25%	<0.27	790
4-Chloroaniline	5	4	0	0%	0	0%	<4.1	<4.2
Hexachlorobutadiene	0.5	4	0	0%	0	0%	<0.38	<0.38
Caprolactam	NA	4	0	0%	0	0%	<0.51	<0.52
4-Chloro-3-methylphenol	NA	4	0	0%	0	0%	<0.30	<0.31
2-Methylnaphthalene	NA	4	1	25%	0	0%	<0.50	150
Hexachlorocyclopentadiene	5	4	0	0%	0	0%	<0.45	<0.46
2,4,6-Trichlorophenol	NA	4	0	0%	0	0%	<0.28	<0.29
2,4,5-Trichlorophenol	NA	4	0	0%	0	0%	<0.58	<0.59
1,1-Biphenyl	5	4	1	25%	1	25%	<0.27	19
2-Chloronaphthalene	10	4	0	0%	0	0%	<0.39	<0.39
2-Nitroaniline	5	4	0	0%	0	0%	<0.30	<0.30
Dimethylphthalate	50	4	0	0%	0	0%	<0.26	<0.26

Summary of Semi-Volatile Organic Compounds in Groundwater at Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-22

Sample ID Units COMPOUND	TOGS Class GA	Number of Samples	Number of Detections	Frequency of Detection	Number of TOGS Exceedances	Frequency of Exeedances	Minimum Reported Concentration	Maximum Reported Concentration
Acenaphthylene	NA	4	3	75%	0	0%	<0.44	3.6
2,6-Dinitrotoluene	5	4	0	0%	0	0%	<0.41	<0.42
3-Nitroaniline	5	4	1	25%	0	0%	<1.0	1.7
Acenaphthene	20	4	3	75%	2	50%	<0.24	26
2,4-Dinitrophenol	10	4	0	0%	0	0%	<0.19	<0.19
4-Nitrophenol	NA	4	0	0%	0	0%	<0.94	<0.96
Dibenzofuran	NA	4	2	50%	0	0%	<0.32	9.9
2,4-Dinitrotoluene	5	4	0	0%	0	0%	<.34	<0.034
Diethylphthalate	50	4	0	0%	0	0%	<0.34	<0.35
4-Chlorophenyl-phenylether	NA	4	0	0%	0	0%	<0.36	<0.37
Fluorene	50	4	2	50%	0	0%	<0.17	21
4-Nitroaniline	5	4	0	0%	0	0%	<0.83	<0.85
4,6-Dinitro-2-methylphenol	NA	4	0	0%	0	0%	<1.4	<1.5
N-Nitrosodiphenylamine	50	4	0	0%	0	0%	<0.28	<0.29
4-Bromophenyl-phenylether	NA	4	0	0%	0	0%	<0.17	<0.17
Hexachlorobenzene	0.04	4	0	0%	0	0%	<0.23	<0.24
Atrazine	7.5	4	0	0%	0	0%	<0.48	<0.49
Pentachlorophenol	1	4	0	0%	0	0%	<0.39	<0.40
Phenanthrene	50	4	3	75%	1	25%	<0.28	67
Anthracene	50	4	3	75%	0	0%	<0.16	30
Carbazole	NA	4	2	50%	0	0%	<0.31	2.9
Di-n-butylphthalate	50	4	0	0%	0	0%	<0.098	<0.10
Fluoranthene	50	4	2	50%	1	25%	<0.21	51
Pyrene	50	4	2	50%	1	25%	<0.25	68
Butylbenzylphthalate	5	4	0	0%	0	0%	<0.30	<0.30
3,3-Dichlorobenzidine	5	4	0	0%	0	0%	<1.6	<1.6
Benzo(a)anthracene	0.002	4	2	50%	2	50%	<0.22	16
Chrysene	0.002	4	2	50%	2	50%	<0.38	14
bis(2-Ethylhexyl)phthalate	5	4	0	0%	0	0%	<0.34	<0.35

Summary of Semi-Volatile Organic Compounds in Groundwater at Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-22

Sample ID Units COMPOUND	TOGS Class GA	Number of Samples	Number of Detections	Frequency of Detection	Number of TOGS Exceedances	Frequency of Exeedances	Minimum Reported Concentration	Maximum Reported Concentration
Di-n-octyl phthalate	NA	4	0	0%	0	0%	<017	<0.18
Benzo(b)fluoranthene	0.002	4	2	50%	2	50%	<.24	7.2
Benzo(k)fluoranthene	0.002	4	1	25%	1	25%	<0.38	4.2
Benzo(a)pyrene	ND	4	1	25%	0	0%	<.45	7.9
Indeno(1,2,3-cd)pyrene	0.002	4	1	25%	1	25%	<0.29	3.1
Dibenz(a,h)anthracene	NA	4	0	0%	0	0%	<0.29	<0.30
Benzo(g,h,i)perylene	NA	4	0	0%	0	0%	<.42	<0.43
Total Confident Conc. SVOC	NA							

Summary of Metals in Groundwater at Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-23

Sample ID Units COMPOUND	TOGS Class GA	MW2 ug/L	MW4 ug/L	MW5 ug/L	MW55-Duplicate ug/L
Arsenic	25	4.840 U	4.840 U	4.840 U	4.840 U
Barium	1000	526	53.3 J	183 J	218
Cadmium	5	0.994 U	0.994 U	0.994 U	0.994 U
Chromium	50	2.640 J	5.830 J	1.220 U	1.220 U
Lead	25	*117*	1.790 U	4.700 J	5.440
Mercury	0.7	0.1300 J	0.0300 U	0.0300 U	0.0300 U
Selenium	10	5.240 U	5.240 U	5.240 U	5.240 U
Silver	50	3.380 U	3.380 U	3.380 U	3.380 U

Summary of Metals in Groundwater at Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-23

Sample ID Units COMPOUND	TOGS Class GA	Number of Samples	Number of Detections	Frequency of Detection	Number of TOGS Exceedances	Frequency of Exeedances	Minimum Reported Concentration	Maximum Reported Concentration
Arsenic	25	4	0	0%	0	0%	<4.84	<4.84
Barium	1000	4	4	100%	0	0%	53.3	526
Cadmium	5	4	0	0%	0	0%	<0.994	<0.0994
Chromium	50	4	2	50%	0	0%	<1.22	5.83
Lead	25	4	3	75%	1	25%	<1.79	117
Mercury	0.7	4	1	25%	0	0%	<0.03	0.13
Selenium	10	4	0	0%	0	0%	<5.24	<5.24
Silver	50	4	0	0%	0	0%	<3.38	<3.38

Summary of PCBs in Groundwater at Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-24

Sample ID Units COMPOUND	TOGS Class GA	MW4 ug/L	MW5 ug/L	MW2 ug/L	MW55-Duplicate ug/L
Aroclor-1016	NA	0.130 U	0.130 U	0.130 U	0.130 U
Aroclor-1221	NA	0.050 U	0.050 U	0.050 U	0.050 U
Aroclor-1232	NA	0.050 U	0.050 U	0.050 U	0.050 U
Aroclor-1242	NA	0.140 U	0.140 U	0.140 U	0.140 U
Aroclor-1248	NA	0.060 U	0.060 U	0.060 U	0.060 U
Aroclor-1254	NA	0.030 U	0.030 U	0.030 U	0.030 U
Aroclor-1260	NA	0.0630 U	0.0620 U	0.0620 U	0.0620 U

Summary of PCBs in Groundwater at Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-24

Sample ID Units COMPOUND	TOGS Class GA	Number of Samples	Number of Detections	Frequency of Detection	Number of TOGS Exceedances	Frequency of Exeedances	Minimum Reported Concentration	Maximum Reported Concentration
Aroclor-1016	NA	4	0	0%	0	0%	<0.13	<0.13
Aroclor-1221	NA	4	0	0%	0	0%	<0.05	<0.05
Aroclor-1232	NA	4	0	0%	0	0%	<0.05	<0.05
Aroclor-1242	NA	4	0	0%	0	0%	<0.14	<0.14
Aroclor-1248	NA	4	0	0%	0	0%	<0.06	<0.06
Aroclor-1254	NA	4	0	0%	0	0%	<0.03	<0.03
Aroclor-1260	NA	4	0	0%	0	0%	<0.062	<0.063

Summary of Total and Amenable Cyanide in Groundwater at Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-25

Sample ID		MW2	MW4	MW5	MW55-Duplicate
Units		mg/L	mg/L	mg/L	mg/L
COMPOUND	TOGS Class GA				
Cyanide	200	0.031	0.010 U	0.016	0.012
Cyanide-Amenable	NA	0.03	0.010 U	0.02	0.01

Summary of Total and Amenable Cyanide in Groundwater at Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 4-25

Sample ID Units COMPOUND	TOGS Class GA	Number of Samples	Number of Detections	Frequency of Detection	Number of TOGS Exceedances	Frequency of Exeedances	Minimum Reported Concentration	Maximum Reported Concentration
Cyanide	200	4	3	75%	0	0%	<0.01	0.031
Cyanide-Amenable	NA	4	3	75%	0	0%	<0.01	0.03

Summary of Volatile Organic Compounds in Surface Soils from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-1

Sample ID		SS22	SS23	SS24	SS25	SS26
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Volatile OrganicCompoundss	TAGM RSCO					
Dichlorodifluoromethane	NC	1.5 U	1.4 U	1.5 U	1.5 U	1.5 U
Chloromethane	NC	0.39 U	0.38 U	0.41 U	0.41 U	0.39 U
Vinyl Chloride	200	0.28 U	0.27 U	0.29 U	0.29 U	0.28 U
Bromomethane	NC	0.83 U	0.82 U	0.88 U	0.88 U	0.84 U
Chloroethane	1900	0.62 U	0.61 U	0.66 U	0.66 U	0.62 U
Trichlorofluoromethane	NC	2.9 U	2.9 U	3.1 U	3.1 U	2.9 U
1,1,2-Trichlorotrifluoroethane	6000	0.54 U	0.53 U	0.57 U	0.57 U	0.55 U
1,1-Dichloroethene	400	0.25 U	0.25 U	0.27 U	0.27 U	0.26 U
Acetone	200	8.8 U	8.7 R	9.3 R	9.3 R	8.9 U
Carbon Disulfide	2700	0.12 U	0.12 U	0.13 U	0.13 U	0.12 U
Methyl tert-butyl Ether	120	0.27 U	0.27 U	0.29 U	0.29 U	0.27 U
Methyl Acetate	NC	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U
Methylene Chloride	100	0.80 U	0.79 U	0.85 U	0.85 U	0.81 U
trans-1,2-Dichloroethene	300	0.44 U	0.43 U	0.46 U	0.46 U	0.44 U
1,1-Dichloroethane	200	0.42 U	0.41 U	0.44 U	0.44 U	0.42 U
Cyclohexane	NC	0.36 U	0.35 U	0.38 U	0.38 U	0.36 U
2-Butanone	300	2.7 U	2.6 R	2.8 R	2.8 R	2.7 U
Carbon Tetrachloride	600	0.35 U	0.35 U	0.37 U	0.37 U	0.35 U
cis-1,2-Dichloroethene	NC	0.41 U	0.41 U	0.44 U	0.44 U	0.42 U
Chloroform	300	0.28 U	0.28 U	0.30 U	0.30 U	0.28 U
1,1,1-Trichloroethane	800	0.32 U	0.32 U	0.34 U	0.34 U	0.32 U
Methylcyclohexane	NC	0.42 U	0.41 U	0.44 U	0.44 U	0.42 U
Benzene	60	0.24 UJ	0.23 UJ	0.25 UJ	0.25 UJ	0.24 UJ
1,2-Dichloroethane	200	3.6 U	3.6 U	3.8 U	3.8 U	3.7 U
Trichloroethene	700	0.38 U	0.37 U	0.40 U	0.40 U	0.38 U
1,2-Dichloropropane	NC	0.39 U	0.39 U	0.42 U	0.42 U	0.40 U
Bromodichloromethane	NC	0.39 U	0.39 U	0.42 U	0.42 U	0.40 U
4-Methyl-2-Pentanone	1000	2.8 U	2.8 U	3.0 U	3.0 U	2.9 U
Toluene	1500	0.30 U	0.30 U	0.32 U	0.32 U	0.31 U

Summary of Volatile Organic Compounds in Surface Soils from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-1

Sample ID Units Volatile OrganicCompoundss	TAGM RSCO	SS22 ug/Kg	SS23 ug/Kg	SS24 ug/Kg	SS25 ug/Kg	SS26 ug/Kg
t-1,3-Dichloropropene	NC	0.30 U	0.30 U	0.32 U	0.32 U	0.30 U
cis-1,3-Dichloropropene	NC	0.23 U	0.23 U	0.24 U	0.24 U	0.23 U
1,1,2-Trichloroethane	NC	0.60 U	0.59 U	0.63 U	0.63 U	0.60 U
2-Hexanone	NC	3.8 U	3.7 U	4.0 U	4.0 U	3.8 U
Dibromochloromethane	NA	0.34 U	0.34 U	0.36 U	0.36 U	0.35 U
1,2-Dibromoethane	NC	0.49 U	0.48 U	0.52 U	0.52 U	0.50 U
Tetrachloroethene	1400	0.75 U	0.74 U	0.79 U	0.79 U	0.76 U
Chlorobenzene	1700	0.41 U	0.41 U	0.44 U	0.44 U	0.42 U
Ethyl Benzene	5500	0.29 U	0.29 U	0.31 U	0.31 U	0.30 U
m/p-Xylenes	1200	0.60 U	0.60 U	0.64 U	0.64 U	0.61 U
o-Xylene	600	0.51 U	0.50 U	0.54 U	0.54 U	0.51 U
Styrene	NC	0.37 U	0.36 U	0.39 U	0.39 U	0.37 U
Bromoform	NC	0.35 U	0.35 U	0.37 U	0.37 U	0.36 U
Isopropylbenzene	2300	0.44 U	0.43 U	0.46 U	0.46 U	0.44 U
1,1,2,2-Tetrachloroethane	600	0.62 U	0.62 U	0.66 U	0.66 U	0.63 U
1,3-Dichlorobenzene	1600	0.25 U	0.25 U	0.26 U	0.26 U	0.25 U
1,4-Dichlorobenzene	8500	0.41 U	0.41 U	0.44 U	0.44 U	0.42 U
1,2-Dichlorobenzene	7900	0.48 U	0.48 U	0.51 U	0.51 U	0.49 U
1,2-Dibromo-3-Chloropropane	NC	0.80 U	0.79 U	0.85 U	0.85 U	0.81 U
1,2,4-Trichlorobenzene	3400	0.29 U	0.29 U	0.31 U	0.31 U	0.30 U
Total Confident Conc. VOC	10,000	0	0	0	0	0

Summary of Volatile Organic Compounds in Surface Soils from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-1

Sample ID Units Volatile OrganicCompoundss	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detection	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
Dichlorodifluoromethane	NC	5	0	0.0%	0	0.0%	<1.4	<1.5
Chloromethane	NC	5	0	0.0%	0	0.0%	<0.38	<0.38
Vinyl Chloride	200	5	0	0.0%	0	0.0%	<0.27	<0.28
Bromomethane	NC	5	0	0.0%	0	0.0%	<0.82	<0.88
Chloroethane	1900	5	0	0.0%	0	0.0%	<0.61	<0.66
Trichlorofluoromethane	NC	5	0	0.0%	0	0.0%	<2.9	<3.1
1,1,2-Trichlorotrifluoroethane	6000	5	0	0.0%	0	0.0%	<0.53	<0.57
1,1-Dichloroethene	400	5	0	0.0%	0	0.0%	<0.25	<0.27
Acetone	200	5	0	0.0%	0	0.0%	<8.8	<9.3
Carbon Disulfide	2700	5	0	0.0%	0	0.0%	<0.12	<0.13
Methyl tert-butyl Ether	120	5	0	0.0%	0	0.0%	<0.27	<0.29
Methyl Acetate	NC	5	0	0.0%	0	0.0%	<1.5	<1.6
Methylene Chloride	100	5	0	0.0%	0	0.0%	<0.79	<0.85
trans-1,2-Dichloroethene	300	5	0	0.0%	0	0.0%	<0.43	<0.46
1,1-Dichloroethane	200	5	0	0.0%	0	0.0%	<0.41	<0.44
Cyclohexane	NC	5	0	0.0%	0	0.0%	<0.35	<0.38
2-Butanone	300	5	0	0.0%	0	0.0%	<2.6	<2.8
Carbon Tetrachloride	600	5	0	0.0%	0	0.0%	<0.35	<0.37
cis-1,2-Dichloroethene	NC	5	0	0.0%	0	0.0%	<0.41	<0.44
Chloroform	300	5	0	0.0%	0	0.0%	<0.28	<0.30
1,1,1-Trichloroethane	800	5	0	0.0%	0	0.0%	<0.32	<0.34
Methylcyclohexane	NC	5	0	0.0%	0	0.0%	<0.41	<0.44
Benzene	60	5	0	0.0%	0	0.0%	<0.23	<0.25
1,2-Dichloroethane	200	5	0	0.0%	0	0.0%	<3.6	<3.8
Trichloroethene	700	5	0	0.0%	0	0.0%	<0.37	<0.40
1,2-Dichloropropane	NC	5	0	0.0%	0	0.0%	<0.39	<0.42
Bromodichloromethane	NC	5	0	0.0%	0	0.0%	<0.39	<0.42
4-Methyl-2-Pentanone	1000	5	0	0.0%	0	0.0%	<2.8	<3.0
Toluene	1500	5	0	0.0%	0	0.0%	<0.30	<0.32

Summary of Volatile Organic Compounds in Surface Soils from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-1

Sample ID Units Volatile OrganicCompoundss	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detection	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
t-1,3-Dichloropropene	NC	5	0	0.0%	0	0.0%	<0.30	<0.32
cis-1,3-Dichloropropene	NC	5	0	0.0%	0	0.0%	<0.23	<0.24
1,1,2-Trichloroethane	NC	5	0	0.0%	0	0.0%	<0.59	<0.63
2-Hexanone	NC	5	0	0.0%	0	0.0%	<3.7	<4.0
Dibromochloromethane	NA	5	0	0.0%	0	0.0%	<0.34	<0.36
1,2-Dibromoethane	NC	5	0	0.0%	0	0.0%	<0.48	<0.52
Tetrachloroethene	1400	5	0	0.0%	0	0.0%	<0.74	<0.79
Chlorobenzene	1700	5	0	0.0%	0	0.0%	<0.41	<0.44
Ethyl Benzene	5500	5	0	0.0%	0	0.0%	<0.29	<0.31
m/p-Xylenes	1200	5	0	0.0%	0	0.0%	<0.60	<0.64
o-Xylene	600	5	0	0.0%	0	0.0%	<0.50	<0.54
Styrene	NC	5	0	0.0%	0	0.0%	<0.36	<0.39
Bromoform	NC	5	0	0.0%	0	0.0%	<0.35	<0.37
Isopropylbenzene	2300	5	0	0.0%	0	0.0%	<0.43	<0.46
1,1,2,2-Tetrachloroethane	600	5	0	0.0%	0	0.0%	<0.62	<0.66
1,3-Dichlorobenzene	1600	5	0	0.0%	0	0.0%	<0.25	<0.26
1,4-Dichlorobenzene	8500	5	0	0.0%	0	0.0%	<0.41	<0.44
1,2-Dichlorobenzene	7900	5	0	0.0%	0	0.0%	<0.48	<0.51
1,2-Dibromo-3-Chloropropane	NC	5	0	0.0%	0	0.0%	<0.79	<0.85
1,2,4-Trichlorobenzene	3400	5	0	0.0%	0	0.0%	<0.29	<0.31
Total Confident Conc. VOC	10,000							

Summary of Semi-Volatile Organic Compounds in Surface Soils from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-2

Sample ID Units Semivolatile Organic Compounds	TAGM RSCO	SS22 ug/Kg	SS23 ug/Kg	SS24 ug/Kg	SS25 ug/Kg	SS26 ug/Kg
Benzaldehyde	NC	1900 U	740 U	400 U	79 U	770 U
Phenol	30 or MDL	800 U	320 U	170 U	34 U	330 U
bis(2-Chloroethyl)ether	NC	950 U	370 U	200 U	40 U	390 U
2-Chlorophenol	800	830 U	330 U	180 U	35 U	340 U
2-Methylphenol	100 or MDL	1200 U	480 U	260 U	51 U	500 U
2,2-oxybis(1-Chloropropane)	NC	1000 U	410 U	220 U	44 U	420 U
Acetophenone	NC	1000 U	400 U	210 U	42 U	410 U
3+4-Methylphenols	900	880 U	350 U	190 U	37 U	360 U
N-Nitroso-di-n-propylamine	NC	850 U	340 U	180 U	36 U	350 U
Hexachloroethane	NC	920 U	360 U	200 U	38 U	370 U
Nitrobenzene	200 or MDL	980 U	390 U	210 U	41 U	400 U
Isophorone	4,400	720 U	280 U	150 U	30 U	290 U
2-Nitrophenol	330 or MDL	770 U	310 U	170 U	32 U	320 U
2,4-Dimethylphenol	NC	1000 U	410 U	220 U	44 U	420 U
bis(2-Chloroethoxy)methane	NC	880 U	350 U	190 U	37 U	360 U
2,4-Dichlorophenol	400	680 U	270 U	140 U	28 U	270 U
Naphthalene	13,000	420 U	170 U	89 U	99 J	170 U
4-Chloroaniline	220 or MDL	7100 U	2800 U	1500 U	300 U	2900 U
Hexachlorobutadiene	NC	680 U	270 U	140 U	28 U	270 U
Caprolatam	NC	710 U	280 U	150 U	30 U	290 U
4-Chloro-3-methylphenol	240 or MDL	570 U	230 U	120 U	24 U	230 U
2-Methylnaphthalene	36,400	330 U	130 U	71 U	14 U	140 U
Hexachlorocyclopentadiene	NC	480 R	190 R	100 R	20 R	200 R
2,4,6-Trichlorophenol	NC	700 U	280 U	150 U	29 U	280 U
2,4,5-Trichlorophenol	100	1300 U	500 U	270 U	53 U	520 U
1,1-Biphenyl	NC	570 U	230 U	120 U	24 U	230 U
2-Chloronaphthalene	NC	400 U	160 U	86 U	17 U	160 U
2-Nitroaniline	430 or MDL	700 U	280 U	150 U	29 U	280 U
Dimethylphthalate	2,000	460 U	180 U	98 U	19 U	190 U

Summary of Semi-Volatile Organic Compounds in Surface Soils from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-2

Sample ID Units Semivolatile Organic Compounds	TAGM RSCO	SS22 ug/Kg	SS23 ug/Kg	SS24 ug/Kg	SS25 ug/Kg	SS26 ug/Kg
Acenaphthylene	41,000	580 U	230 U	120 U	24 U	230 U
2,6-Dinitrotoluene	1,000	820 U	320 U	180 U	34 U	330 U
3-Nitroaniline	500 or MDL	3100 U	1200 U	660 U	130 U	1300 U
Acenaphthene	50,000	420 U	170 U	91 U	18 U	170 U
2,4-Dinitrophenol	200 or MDL	850 UJ	340 UJ	180 UJ	36 UJ	350 UJ
4-Nitrophenol	100 or MDL	1900 U	740 U	400 U	79 U	770 U
Dibenzofuran	6,200	630 U	250 U	140 U	27 U	260 U
2,4-Dinitrotoluene	1,000	380 U	150 U	82 U	16 U	160 U
Diethylphthalate	7,100	610 U	240 U	130 U	25 U	250 U
4-Chlorophenyl-phenylether	NC	480 U	190 U	100 U	20 U	190 U
Fluorene	50,000	550 U	220 U	120 U	23 U	220 U
4-Nitroaniline	NC	1500 U	590 U	320 U	63 U	610 U
4,6-Dinitro-2-methylphenol	NC	1100 UJ	440 UJ	240 UJ	47 UJ	460 UJ
N-Nitrosodiphenylamine	NC	490 U	190 U	100 U	20 U	200 U
4-Bromophenyl-phenylether	NC	510 U	200 U	110 U	21 U	210 U
Hexachlorobenzene	410	360 U	140 U	77 U	15 U	150 U
Atrazine	NC	590 U	230 U	130 U	25 U	240 U
Pentachlorophenol	1000 or MDL	600 U	240 U	130 U	25 U	240 U
Phenanthrene	50,000	3300 J	1800 J	2200 J	670 J	2300 J
Anthracene	50,000	460 U	180 U	560 J	200 J	830 J
Carbazole	NC	420 U	170 U	91 U	110 J	170 U
Di-n-butylphthalate	8,100	260 U	100 U	55 U	160 J	100 U
Fluoranthene	50,000	5600 J	3700 J	3700 J	1700	4200 J
Pyrene	50,000	5800 J	4200 J	3700 J	1900	4200 J
Butylbenzylphthalate	50,000	650 U	250 U	430 J	120 J	260 U
3,3-Dichlorobenzidine	NA	3100 U	1200 U	660 U	130 U	1300 U
Benzo(a)anthracene	224 or MDL	***2900*** J	***2300*** J	***2000*** J	***1100***	***2200*** J
Chrysene	400	***3100*** J	***2200*** J	***1900*** J	***1200***	***2200*** J
bis(2-Ethylhexyl)phthalate	50,000	440 U	2000 J	6600	1300	1800 J

Summary of Semi-Volatile Organic Compounds in Surface Soils from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-2

Sample ID Units Semivolatile Organic Compounds	TAGM RSCO	SS22 ug/Kg	SS23 ug/Kg	SS24 ug/Kg	SS25 ug/Kg	SS26 ug/Kg
Di-n-octyl phthalate	50,000	460 U	180 U	98 U	19 U	190 U
Benzo(b)fluoranthene	1,100	***4500*** J	***2400*** J	***1900*** J	***1300***	***2800*** J
Benzo(k)fluoranthene	1,100	660 U	***2200*** J	***1800*** J	***1300*** J	***1200*** J
Benzo(a)pyrene	61 or MDL	***3300*** J	***2300*** J	***1900*** J	***1500***	***1900*** J
Indeno(1,2,3-cd)pyrene	3,200	470 UJ	180 UJ	500 J	440 J	190 UJ
Dibenz(a,h)anthracene	14 or MDL	560 U	220 U	120 U	24 U	230 U
Benzo(g,h,i)perylene	50,000	840 U	1100 J	790 J	660 J	790 J
Total Confident Conc. SVOC	500,000	28,500	24,200	27,980	13,759	24,420
Carcinogenic SVOCs in BaP Equivalents		4,071	2,814	2,377	1,809	2,434

Summary of Semi-Volatile Organic Compounds in Surface Soils from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-2

Sample ID Units Semivolatile Organic Compounds	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detection	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
Benzaldehyde	NC	5	0	0.0%	0	0.0%	<79	<1,900
Phenol	30 or MDL	5	0	0.0%	0	0.0%	<34	<800
bis(2-Chloroethyl)ether	NC	5	0	0.0%	0	0.0%	<40	<950
2-Chlorophenol	800	5	0	0.0%	0	0.0%	<35	<830
2-Methylphenol	100 or MDL	5	0	0.0%	0	0.0%	<51	<1,200
2,2-oxybis(1-Chloropropane)	NC	5	0	0.0%	0	0.0%	<44	<1,000
Acetophenone	NC	5	0	0.0%	0	0.0%	<42	<1,00
3+4-Methylphenols	900	5	0	0.0%	0	0.0%	<37	<880
N-Nitroso-di-n-propylamine	NC	5	0	0.0%	0	0.0%	<36	<850
Hexachloroethane	NC	5	0	0.0%	0	0.0%	<38	<920
Nitrobenzene	200 or MDL	5	0	0.0%	0	0.0%	<41	<980
Isophorone	4,400	5	0	0.0%	0	0.0%	<30	<720
2-Nitrophenol	330 or MDL	5	0	0.0%	0	0.0%	<32	<770
2,4-Dimethylphenol	NC	5	0	0.0%	0	0.0%	<44	<1,000
bis(2-Chloroethoxy)methane	NC	5	0	0.0%	0	0.0%	<37	<880
2,4-Dichlorophenol	400	5	0	0.0%	0	0.0%	<28	<680
Naphthalene	13,000	5	1	20.0%	0	0.0%	<89	420
4-Chloroaniline	220 or MDL	5	0	0.0%	0	0.0%	<300	<7,100
Hexachlorobutadiene	NC	5	0	0.0%	0	0.0%	<28	<680
Caprolatam	NC	5	0	0.0%	0	0.0%	<30	<710
4-Chloro-3-methylphenol	240 or MDL	5	0	0.0%	0	0.0%	<24	<570
2-Methylnaphthalene	36,400	5	0	0.0%	0	0.0%	<14	<330
Hexachlorocyclopentadiene	NC	5	0	0.0%	0	0.0%	<20	<480
2,4,6-Trichlorophenol	NC	5	0	0.0%	0	0.0%	<29	<700
2,4,5-Trichlorophenol	100	5	0	0.0%	0	0.0%	<53	<1,300
1,1-Biphenyl	NC	5	0	0.0%	0	0.0%	<24	<570
2-Chloronaphthalene	NC	5	0	0.0%	0	0.0%	<17	<400
2-Nitroaniline	430 or MDL	5	0	0.0%	0	0.0%	<29	<700
Dimethylphthalate	2,000	5	0	0.0%	0	0.0%	<19	<460

Summary of Semi-Volatile Organic Compounds in Surface Soils from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-2

Sample ID Units Semivolatile Organic Compounds	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detection	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
Acenaphthylene	41,000	5	0	0.0%	0	0.0%	<24	<580
2,6-Dinitrotoluene	1,000	5	0	0.0%	0	0.0%	<34	<820
3-Nitroaniline	500 or MDL	5	0	0.0%	0	0.0%	<130	<3,100
Acenaphthene	50,000	5	0	0.0%	0	0.0%	<18	<420
2,4-Dinitrophenol	200 or MDL	5	0	0.0%	0	0.0%	<36	<850
4-Nitrophenol	100 or MDL	5	0	0.0%	0	0.0%	<79	<1,900
Dibenzofuran	6,200	5	0	0.0%	0	0.0%	<27	<630
2,4-Dinitrotoluene	1,000	5	0	0.0%	0	0.0%	<16	<380
Diethylphthalate	7,100	5	0	0.0%	0	0.0%	<25	<610
4-Chlorophenyl-phenylether	NC	5	0	0.0%	0	0.0%	<20	<480
Fluorene	50,000	5	0	0.0%	0	0.0%	<23	<550
4-Nitroaniline	NC	5	0	0.0%	0	0.0%	<63	<1,500
4,6-Dinitro-2-methylphenol	NC	5	0	0.0%	0	0.0%	<47	<1,100
N-Nitrosodiphenylamine	NC	5	0	0.0%	0	0.0%	<20	<490
4-Bromophenyl-phenylether	NC	5	0	0.0%	0	0.0%	<21	<510
Hexachlorobenzene	410	5	0	0.0%	0	0.0%	<15	<360
Atrazine	NC	5	0	0.0%	0	0.0%	<25	<590
Pentachlorophenol	1000 or MDL	5	0	0.0%	0	0.0%	<25	<600
Phenanthrene	50,000	5	5	100.0%	0	0.0%	670	3,300
Anthracene	50,000	5	3	60.0%	0	0.0%	<180	830
Carbazole	NC	5	1	20.0%	0	0.0%	<91	<420
Di-n-butylphthalate	8,100	5	1	20.0%	0	0.0%	<55	<260
Fluoranthene	50,000	5	5	100.0%	0	0.0%	1,700	5,600
Pyrene	50,000	5	5	100.0%	0	0.0%	1,900	5,800
Butylbenzylphthalate	50,000	5	2	40.0%	0	0.0%	120	<650
3,3-Dichlorobenzidine	NA	5	0	0.0%	0	0.0%	<130	<3,100
Benzo(a)anthracene	224 or MDL	5	5	100.0%	5	100.0%	1,100	2,900
Chrysene	400	5	5	100.0%	5	100.0%	1,200	3,100
bis(2-Ethylhexyl)phthalate	50,000	5	4	80.0%	0	0.0%	<440	6,600

Summary of Semi-Volatile Organic Compounds in Surface Soils from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-2

Sample ID Units Semivolatile Organic Compounds	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detection	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
Di-n-octyl phthalate	50,000	5	0	0.0%	0	0.0%	<19	<460
Benzo(b)fluoranthene	1,100	5	5	100.0%	5	100.0%	1,300	4,500
Benzo(k)fluoranthene	1,100	5	4	80.0%	4	80.0%	<660	2,200
Benzo(a)pyrene	61 or MDL	5	5	100.0%	5	100.0%	1,500	3,300
Indeno(1,2,3-cd)pyrene	3,200	5	2	40.0%	0	0.0%	<180	500
Dibenz(a,h)anthracene	14 or MDL	5	0	0.0%	0	0.0%	<24	<560
Benzo(g,h,i)perylene	50,000	5	4	80.0%	0	0.0%	660	1,100
Total Confident Conc. SVOC	500,000							
Carcinogenic SVOCs in BaP Equivalents								

Summary of Metals in Surface Soils from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-3

Sample ID Units RCRA Metals	TAGM RSCO	SS22 mg/Kg	SS23 mg/Kg	SS24 mg/Kg	SS25 mg/Kg	SS26 mg/Kg
Arsenic	12	8.760 J	10.7 J	***12.1*** J	***15.5*** J	6.900 J
Barium	600	82.3	87.7	181	109	105
Cadmium	1	0.054 U	0.053 U	0.212 J	0.057 U	0.055 U
Chromium	40	26.1 J	35.1 J	34.2 J	22.9 J	23.9 J
Lead	500	376	429	***711***	246	364
Mercury	0.1	***0.37*** J	***0.41*** J	***0.46*** J	***0.44*** J	***0.25*** J
Selenium	3.9	1.840	2.340	2.280	1.490	1.620
Silver	SB	0.310 J	0.334 J	0.132 UJ	0.262 J	0.126 UJ

Summary of Metals in Surface Soils from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-3

Sample ID Units RCRA Metals	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detection	Number of TAGM Excedances	Frequency of TAGM Exceedance	Minimum Reported Concentration	Maximum Reported Concentration
Arsenic	12	5	5	100%	2	40%	6.900	15.5
Barium	600	5	5	100%	0	0%	82.3	181
Cadmium	1	5	1	20%	0	0%	<0.53	0.212
Chromium	40	5	5	100%	0	0%	22.9	35.1
Lead	500	5	5	100%	1	20%	246	711
Mercury	0.1	5	5	100%	5	100%	0.25	0.46
Selenium	3.9	5	5	100%	0	0%	1.490	2.340
Silver	SB	5	3	60%	0	0%	<0.132	0.334

Summary of PCBs in Surface Soils from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-4

Sample ID Units PCBs	TAGM RSCO	SS22 ug/Kg	SS23 ug/Kg	SS24 ug/Kg	SS25 ug/Kg	SS26 ug/Kg
Aroclor-1016	1,000	6.1 U	6.0 U	6.4 U	6.4 U	6.2 U
Aroclor-1221	1,000	4.2 U	4.1 U	4.4 U	4.4 U	4.2 U
Aroclor-1232	1,000	2.8 U	2.8 U	3.0 U	3.0 U	2.9 U
Aroclor-1242	1,000	3.6 U	3.6 U	3.8 U	3.8 U	3.7 U
Aroclor-1248	1,000	4.3 U	4.2 U	4.5 U	4.5 U	4.3 U
Aroclor-1254	1,000	1.6 U	1.6 U	1.7 U	1.7 U	1.6 U
Aroclor-1260	1,000	41 NJ	48 NJ	240	59	65

Summary of PCBs in Surface Soils from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-4

Sample ID Units PCBs	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detection	Number of TAGM Excedances	Frequency of TAGM Exceedance	Minimum Reported Concentration	Maximum Reported Concentration
Aroclor-1016	1,000	5	0	0%	0	0%	<6.0	<6.4
Aroclor-1221	1,000	5	0	0%	0	0%	<4.1	<4.4
Aroclor-1232	1,000	5	0	0%	0	0%	<2.8	<3.0
Aroclor-1242	1,000	5	0	0%	0	0%	<3.6	<3.8
Aroclor-1248	1,000	5	0	0%	0	0%	<4.2	<4.5
Aroclor-1254	1,000	5	0	0%	0	0%	<1.6	<1.7
Aroclor-1260	1,000	5	5	100%	0	0%	41	240

Summary of Cyanide in Surface Soils from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-5

Sample ID Units	TAGM RSCO	SS22 mg/Kg	SS23 mg/Kg	SS24 mg/Kg	SS25 mg/Kg	SS26 mg/Kg
Cyanide	NC	2.930	3.480	0.629 U	0.621 U	0.598 U

Summary of Cyanide in Surface Soils from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-5

Sample ID Units	Number of Samples	Number of Detections	Frequency of Detection	Number of TAGM Excedances	Frequency of TAGM Exceedance	Minimum Reported Concentration	Maximum Reported Concentration
Cyanide	5	2	40%	-	-	<0.598	3.480

Summary of Volatile Organic Compounds in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-6

Sample ID Units Volatile Organic Compounds	TAGM RSCO	SBTT1(5-6) ug/Kg	SBTT1-8.59.0 ug/Kg	SBTT1-1212.5 ug/Kg	SB1-8.08.5 ug/Kg	SB1-1616.5 ug/Kg	SB1-24.525 ug/Kg
Dichlorodifluoromethane	NC	1.5 U	1.4 U	1.4 U	1.5 U	1.4 U	1.5 U
Chloromethane	NC	0.39 U	0.38 U	0.38 U	0.41 U	0.38 U	0.41 U
Vinyl Chloride	200	0.28 U	0.27 U	0.27 U	0.29 U	0.27 U	0.29 U
Bromomethane	NC	0.84 U	0.81 U	0.82 U	0.88 U	0.82 U	0.88 U
Chloroethane	1,900	0.62 R	0.60 R	130 UD	0.66 U	0.61 U	0.66 U
Trichlorofluoromethane	NC	2.9 U	2.8 U	2.9 U	3.1 U	2.9 U	3.1 U
1,1,2-Trichlorotrifluoroethane	6,000	0.55 U	0.53 U	0.53 U	0.57 U	0.53 U	0.57 U
1,1-Dichloroethene	400	0.26 U	0.25 U	0.25 U	0.27 U	0.25 U	0.27 U
Acetone	200	8.9 U	8.6 U	8.7 U	9.3 U	8.7 U	9.3 U
Carbon Disulfide	2,700	0.12 U	0.12 U	11 J	0.13 U	0.12 U	0.13 U
Methyl tert-butyl Ether	120	0.27 U	0.26 U	0.27 U	0.29 U	0.27 U	0.29 U
Methyl Acetate	NC	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.6 U
Methylene Chloride	100	9.9 J	9.5 J	5.9 J	10	0.79 U	2.7 J
trans-1,2-Dichloroethene	300	0.44 U	0.43 U	0.43 U	0.46 U	0.43 U	0.46 U
1,1-Dichloroethane	200	0.42 U	0.41 U	0.41 U	0.44 U	0.41 U	0.44 U
Cyclohexane	NC	0.36 U	0.35 U	0.35 U	0.38 U	0.35 U	0.38 U
2-Butanone	300	2.7 U	2.6 U	2.6 U	2.8 U	2.6 U	2.8 U
Carbon Tetrachloride	600	0.35 U	0.34 U	0.35 U	0.37 U	0.35 U	0.37 U
cis-1,2-Dichloroethene	NC	0.42 U	0.40 U	0.41 U	0.44 U	0.41 U	0.44 U
Chloroform	300	0.28 U	0.27 U	0.28 U	0.30 U	0.28 U	0.30 U
1,1,1-Trichloroethane	800	0.32 U	0.31 U	0.32 U	0.34 U	0.32 U	0.34 U
Methylcyclohexane	NC	0.42 U	0.41 U	6.2 J	0.44 U	0.41 U	0.44 U
Benzene	60	0.24 U	0.23 U	52 J	0.25 U	0.23 U	0.25 U
1,2-Dichloroethane	200	3.7 U	3.5 U	3.6 U	3.8 U	3.6 U	3.8 U
Trichloroethene	700	0.38 U	0.37 U	0.37 U	0.40 U	0.37 U	0.40 U
1,2-Dichloropropane	NC	0.40 U	0.39 U	0.39 U	0.42 U	0.39 U	0.42 U
Bromodichloromethane	NC	0.40 U	0.38 U	0.39 U	0.42 U	0.39 U	0.42 U
4-Methyl-2-Pentanone	1,000	2.9 U	2.8 U	2.8 U	3.0 U	2.8 U	3.0 U
Toluene	1,500	0.31 U	0.30 U	***2700*** D	0.32 U	0.30 U	0.32 U

Summary of Volatile Organic Compounds in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-6

Sample ID Units Volatile Organic Compounds	TAGM RSCO	SBTT1(5-6) ug/Kg	SBTT1-8.59.0 ug/Kg	SBTT1-1212.5 ug/Kg	SB1-8.08.5 ug/Kg	SB1-1616.5 ug/Kg	SB1-24.525 ug/Kg
t-1,3-Dichloropropene	NC	0.30 U	0.29 U	0.3 U	0.32 U	0.30 U	0.32 U
cis-1,3-Dichloropropene	NC	0.23 U	0.22 U	0.23 U	0.24 U	0.23 U	0.24 U
1,1,2-Trichloroethane	NC	0.60 U	0.58 U	0.59 U	0.63 U	0.59 U	0.63 U
2-Hexanone	NC	3.8 U	3.7 U	3.7 U	4.0 U	3.7 U	4.0 U
Dibromochloromethane	NA	0.35 U	0.33 U	0.34 U	0.36 U	0.34 U	0.36 U
1,2-Dibromoethane	NC	0.50 U	0.48 U	0.48 U	0.52 U	0.48 U	0.52 U
Tetrachloroethene	1,400	0.76 U	0.73 U	0.74 U	0.79 U	0.74 U	0.79 U
Chlorobenzene	1,700	0.42 U	0.40 U	0.41 U	0.44 U	0.41 U	0.44 U
Ethyl Benzene	5,500	0.30 U	0.29 U	***7600*** D	0.31 U	0.29 U	0.31 U
m/p-Xylenes	1,200	0.61 U	0.59 U	***13000*** D	0.64 U	0.60 U	0.64 U
o-Xylene	600	0.51 U	0.50 U	***5900*** D	0.54 U	0.50 U	0.54 U
Styrene	NC	0.37 U	0.36 U	1700 D	0.39 U	0.36 U	0.39 U
Bromoform	NC	0.36 U	0.34 U	0.35 U	0.37 U	0.35 U	0.37 U
Isopropylbenzene	2,300	0.44 U	0.43 U	910 D	0.46 U	0.43 U	0.46 U
1,1,2,2-Tetrachloroethane	600	0.63 U	0.61 U	0.62 U	0.66 U	0.62 U	0.66 U
1,3-Dichlorobenzene	1,600	0.25 U	0.24 U	0.25 U	0.26 U	0.25 U	0.26 U
1,4-Dichlorobenzene	8,500	0.42 U	0.40 U	0.41 U	0.44 U	0.41 U	0.44 U
1,2-Dichlorobenzene	7,900	0.49 U	0.47 U	0.48 U	0.51 U	0.48 U	0.51 U
1,2-Dibromo-3-Chloropropane	NC	0.81 U	0.78 U	0.79 U	0.85 U	0.79 U	0.85 U
1,2,4-Trichlorobenzene	3,400	0.30 U	0.29 U	0.29 U	0.31 U	0.29 U	0.31 U
Total Confident Conc. VOC	10,000	9.9	9.5	***31,885.1***	10	0	2.7

Summary of Volatile Organic Compounds in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-6

Sample ID Units Volatile Organic Compounds	TAGM RSCO	B2-79 ug/Kg	B2-1517 ug/Kg	B2-1921 ug/Kg	B2-2325 ug/Kg
Dichlorodifluoromethane	NC	1.3 UJ	7.3 UJ	1.6 UJ	1.5 U
Chloromethane	NC	0.35 UJ	1.9 UJ	0.44 UJ	0.4 U
Vinyl Chloride	200	0.25 UJ	1.4 UJ	0.31 UJ	0.29 U
Bromomethane	NC	0.75 UJ	4.2 UJ	0.93 UJ	0.86 U
Chloroethane	1,900	0.56 UJ	3.1 UJ	0.69 UJ	0.64 U
Trichlorofluoromethane	NC	2.6 UJ	14 UJ	3.2 UJ	3 U
1,1,2-Trichlorotrifluoroethane	6,000	0.49 UJ	2.7 UJ	0.60 UJ	0.56 U
1,1-Dichloroethene	400	0.23 UJ	1.3 UJ	0.28 UJ	0.26 U
Acetone	200	7.9 UJ	44 UJ	9.8 UJ	9.1 U
Carbon Disulfide	2,700	0.11 UJ	0.59 UJ	0.13 UJ	0.12 U
Methyl tert-butyl Ether	120	0.24 UJ	1.3 UJ	0.30 UJ	0.28 U
Methyl Acetate	NC	1.4 UJ	7.5 UJ	1.7 UJ	1.6 U
Methylene Chloride	100	7.0 J	21 J	3.6 J	0.83 U
trans-1,2-Dichloroethene	300	0.39 UJ	2.2 UJ	0.49 UJ	0.45 U
1,1-Dichloroethane	200	0.38 UJ	2.1 UJ	0.46 UJ	0.43 U
Cyclohexane	NC	0.32 UJ	1.8 UJ	0.40 UJ	0.37 U
2-Butanone	300	2.4 UJ	13 UJ	3.0 UJ	2.8 U
Carbon Tetrachloride	600	0.32 UJ	1.8 UJ	0.39 UJ	0.36 U
cis-1,2-Dichloroethene	NC	0.37 UJ	2.1 UJ	0.46 UJ	0.43 U
Chloroform	300	0.25 UJ	1.4 UJ	0.31 UJ	0.29 U
1,1,1-Trichloroethane	800	0.29 UJ	1.6 UJ	0.36 UJ	0.33 U
Methylcyclohexane	NC	0.38 UJ	2.1 UJ	0.47 UJ	0.43 U
Benzene	60	0.21 UJ	1.2 UJ	0.27 UJ	0.25 U
1,2-Dichloroethane	200	3.3 UJ	18 UJ	4.1 UJ	3.8 U
Trichloroethene	700	0.34 UJ	1.9 UJ	0.42 UJ	0.39 U
1,2-Dichloropropane	NC	0.36 UJ	2.0 UJ	0.44 UJ	0.41 U
Bromodichloromethane	NC	0.35 UJ	2.0 UJ	0.44 UJ	0.41 U
4-Methyl-2-Pentanone	1,000	2.6 UJ	14 UJ	3.2 UJ	2.9 U
Toluene	1,500	2.8 J	1.5 UJ	0.34 UJ	0.32 U

Summary of Volatile Organic Compounds in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-6

Sample ID Units Volatile Organic Compounds	TAGM RSCO	B2-79 ug/Kg	B2-1517 ug/Kg	B2-1921 ug/Kg	B2-2325 ug/Kg
t-1,3-Dichloropropene	NC	0.27 UJ	1.5 UJ	0.34 UJ	0.31 U
cis-1,3-Dichloropropene	NC	0.21 UJ	1.1 UJ	0.26 UJ	0.24 U
1,1,2-Trichloroethane	NC	0.54 UJ	3.0 UJ	0.67 UJ	0.62 U
2-Hexanone	NC	3.4 UJ	19 UJ	4.2 UJ	3.9 U
Dibromochloromethane	NA	0.31 UJ	1.7 UJ	0.38 UJ	0.35 U
1,2-Dibromoethane	NC	0.44 UJ	2.4 UJ	0.55 UJ	0.51 U
Tetrachloroethene	1,400	0.68 UJ	3.7 UJ	0.84 UJ	0.77 U
Chlorobenzene	1,700	0.37 UJ	2.1 UJ	0.46 UJ	0.43 U
Ethyl Benzene	5,500	26 J	1.5 UJ	0.33 UJ	0.3 U
m/p-Xylenes	1,200	170 J	3.0 UJ	0.68 UJ	0.63 U
o-Xylene	600	120 J	16 J	0.57 UJ	0.53 U
Styrene	NC	0.33 UJ	1.8 UJ	0.41 UJ	0.38 U
Bromoform	NC	0.32 UJ	1.8 UJ	0.39 UJ	0.36 U
Isopropylbenzene	2,300	44 J	2.2 UJ	0.49 UJ	0.45 U
1,1,2,2-Tetrachloroethane	600	0.56 UJ	3.1 UJ	0.70 UJ	0.65 U
1,3-Dichlorobenzene	1,600	0.22 UJ	1.2 UJ	0.28 UJ	0.26 U
1,4-Dichlorobenzene	8,500	0.37 UJ	2.1 UJ	0.46 UJ	0.43 U
1,2-Dichlorobenzene	7,900	0.44 UJ	2.4 UJ	0.54 UJ	0.5 U
1,2-Dibromo-3-Chloropropane	NC	0.72 UJ	4.0 UJ	0.89 UJ	0.83 U
1,2,4-Trichlorobenzene	3,400	0.27 UJ	1.5 UJ	0.33 UJ	0.3 U
Total Confident Conc. VOC	10,000	369.8	37	3.6	0

Summary of Volatile Organic Compounds in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-6

Sample ID Units Volatile Organic Compounds	TAGM RSCO	SB3-2.53.0 ug/Kg	SB3-910 ug/Kg	SB3-1314 ug/Kg	SB3-3839 ug/Kg
Dichlorodifluoromethane	NC	1.5 UJ	1.3 U	1.6 U	1.6 U
Chloromethane	NC	0.41 UJ	0.35 U	0.42 U	0.42 U
Vinyl Chloride	200	0.29 UJ	0.25 U	0.30 U	0.30 U
Bromomethane	NC	0.87 UJ	0.75 U	0.90 U	0.90 U
Chloroethane	1,900	0.65 UJ	0.56 U	0.66 U	0.66 U
Trichlorofluoromethane	NC	3.0 UJ	2.6 U	3.1 U	3.1 U
1,1,2-Trichlorotrifluoroethane	6,000	0.57 UJ	0.49 U	0.58 U	0.58 U
1,1-Dichloroethene	400	0.27 UJ	0.23 U	0.27 U	0.27 U
Acetone	200	9.2 R	7.9 U	9.4 R	9.4 U
Carbon Disulfide	2,700	0.12 UJ	0.11 U	0.13 U	0.13 U
Methyl tert-butyl Ether	120	0.28 UJ	0.24 U	0.29 U	0.29 U
Methyl Acetate	NC	1.6 UJ	1.4 U	1.6 U	1.6 U
Methylene Chloride	100	4.6 J	0.72 U	0.86 U	0.86 U
trans-1,2-Dichloroethene	300	0.46 UJ	0.39 U	0.47 U	0.47 U
1,1-Dichloroethane	200	0.44 UJ	0.38 U	0.45 U	0.45 U
Cyclohexane	NC	0.38 UJ	0.32 U	0.39 U	0.39 U
2-Butanone	300	2.8 UJ	2.4 U	2.9 R	2.9 U
Carbon Tetrachloride	600	0.37 UJ	0.32 U	0.38 U	0.38 U
cis-1,2-Dichloroethene	NC	0.43 UJ	0.37 U	0.45 U	0.45 U
Chloroform	300	0.29 UJ	0.25 U	0.30 U	0.30 U
1,1,1-Trichloroethane	800	0.33 UJ	0.29 U	0.34 U	0.34 U
Methylcyclohexane	NC	0.44 UJ	0.38 U	0.45 U	0.45 U
Benzene	60	0.25 UJ	0.21 UJ	4.8 J	0.26 U
1,2-Dichloroethane	200	3.8 UJ	3.3 U	3.9 U	3.9 U
Trichloroethene	700	0.40 UJ	0.34 U	0.41 U	0.41 U
1,2-Dichloropropane	NC	0.41 UJ	0.36 U	0.42 U	0.42 U
Bromodichloromethane	NC	0.41 UJ	0.35 U	0.42 U	0.42 U
4-Methyl-2-Pentanone	1,000	3.0 UJ	2.6 U	3.0 U	3.0 U
Toluene	1,500	0.32 UJ	0.28 U	0.33 U	0.33 U

Summary of Volatile Organic Compounds in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-6

Sample ID Units Volatile Organic Compounds	TAGM RSCO	SB3-2.53.0 ug/Kg	SB3-910 ug/Kg	SB3-1314 ug/Kg	SB3-3839 ug/Kg
t-1,3-Dichloropropene	NC	0.32 UJ	0.27 U	0.32 U	0.32 U
cis-1,3-Dichloropropene	NC	0.24 UJ	0.21 U	0.25 U	0.25 U
1,1,2-Trichloroethane	NC	0.62 UJ	0.54 U	0.64 U	0.64 U
2-Hexanone	NC	3.9 UJ	3.4 U	4.0 U	4.0 U
Dibromochloromethane	NA	0.36 UJ	0.31 U	0.37 U	0.37 U
1,2-Dibromoethane	NC	0.51 UJ	0.44 U	0.53 U	0.53 U
Tetrachloroethene	1,400	3.7 J	0.68 U	0.80 U	0.80 U
Chlorobenzene	1,700	0.43 UJ	0.37 U	0.45 U	0.45 U
Ethyl Benzene	5,500	0.31 UJ	0.26 U	10	0.32 U
m/p-Xylenes	1,200	0.63 UJ	0.55 U	6.7	0.65 U
o-Xylene	600	0.53 UJ	0.46 U	5.5 J	0.55 U
Styrene	NC	0.39 UJ	0.33 U	0.40 U	0.40 U
Bromoform	NC	0.37 UJ	0.32 U	0.38 U	0.38 U
Isopropylbenzene	2,300	0.46 UJ	0.39 U	0.47 U	0.47 U
1,1,2,2-Tetrachloroethane	600	0.65 UJ	0.56 U	0.67 U	0.67 U
1,3-Dichlorobenzene	1,600	0.26 UJ	0.22 U	0.27 U	0.27 U
1,4-Dichlorobenzene	8,500	0.43 UJ	0.37 U	0.44 U	0.44 U
1,2-Dichlorobenzene	7,900	0.50 UJ	0.44 U	0.52 U	0.52 U
1,2-Dibromo-3-Chloropropane	NC	0.84 UJ	0.72 U	0.86 U	0.86 U
1,2,4-Trichlorobenzene	3,400	0.31 UJ	0.27 U	0.32 U	0.32 U
Total Confident Conc. VOC	10,000	8.3	0	27.0	0

Summary of Volatile Organic Compounds in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-6

Sample ID Units Volatile Organic Compounds	TAGM RSCO	SB24-0102 ug/Kg	SB24-0202.5 ug/Kg	SB24(6.57) ug/Kg	SB24-0911 ug/Kg	SB24(1010.5) ug/Kg
Dichlorodifluoromethane	NC	1.7 UJ	1.5 U	1.4 U	1.5 U	1.5 U
Chloromethane	NC	0.46 UJ	0.40 U	0.38 U	0.39 U	0.39 U
Vinyl Chloride	200	0.33 UJ	0.29 U	0.27 U	0.28 U	0.28 U
Bromomethane	NC	0.98 UJ	0.86 U	0.81 U	0.84 U	0.84 U
Chloroethane	1,900	0.73 UJ	0.64 U	0.60 U	0.62 U	0.62 U
Trichlorofluoromethane	NC	3.4 UJ	3.0 U	2.8 U	2.9 U	2.9 U
1,1,2-Trichlorotrifluoroethane	6,000	0.64 UJ	0.56 U	0.53 U	0.55 U	0.55 U
1,1-Dichloroethene	400	0.30 UJ	0.26 U	0.25 U	0.26 U	0.26 U
Acetone	200	10 UJ	9.1 U	8.6 U	8.9 U	8.9 U
Carbon Disulfide	2,700	0.14 UJ	0.12 U	0.12 U	0.12 U	0.12 U
Methyl tert-butyl Ether	120	0.32 UJ	0.28 U	0.26 U	0.27 U	0.27 U
Methyl Acetate	NC	1.8 UJ	1.6 U	1.5 U	1.5 U	1.5 U
Methylene Chloride	100	5.2 J	4.8 J	0.78 U	0.81 U	3.5 J
trans-1,2-Dichloroethene	300	0.52 UJ	0.45 U	0.43 U	0.44 U	0.44 U
1,1-Dichloroethane	200	0.49 UJ	0.43 U	0.41 U	0.42 U	0.42 U
Cyclohexane	NC	0.42 UJ	0.37 U	0.35 U	0.36 U	0.36 U
2-Butanone	300	3.2 UJ	2.8 U	2.6 U	2.7 U	2.7 U
Carbon Tetrachloride	600	0.41 UJ	0.36 U	0.34 U	0.35 U	0.35 U
cis-1,2-Dichloroethene	NC	0.49 UJ	0.43 U	0.40 U	0.42 U	0.42 U
Chloroform	300	0.33 UJ	0.29 U	0.27 U	0.28 U	0.28 U
1,1,1-Trichloroethane	800	0.38 UJ	0.33 U	0.31 U	0.32 U	0.32 U
Methylcyclohexane	NC	0.49 UJ	0.43 U	0.41 U	0.42 U	0.42 U
Benzene	60	0.28 UJ	0.25 U	0.23 U	0.24 UJ	0.24 U
1,2-Dichloroethane	200	4.3 UJ	3.8 U	3.5 U	3.7 U	3.7 U
Trichloroethene	700	0.44 UJ	0.39 U	0.37 U	0.38 U	0.38 U
1,2-Dichloropropane	NC	0.47 UJ	0.41 U	0.39 U	0.40 U	0.40 U
Bromodichloromethane	NC	0.46 UJ	0.41 U	0.38 U	0.40 U	0.40 U
4-Methyl-2-Pentanone	1,000	3.3 UJ	2.9 U	2.8 U	2.9 U	2.9 U
Toluene	1,500	1.8 J	1.6 J	0.30 U	0.31 U	0.31 U

Summary of Volatile Organic Compounds in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-6

Sample ID Units Volatile Organic Compounds	TAGM RSCO	SB24-0102 ug/Kg	SB24-0202.5 ug/Kg	SB24(6.57) ug/Kg	SB24-0911 ug/Kg	SB24(1010.5) ug/Kg
t-1,3-Dichloropropene	NC	0.36 UJ	0.31 U	0.29 U	0.30 U	0.30 U
cis-1,3-Dichloropropene	NC	0.27 UJ	0.24 U	0.22 U	0.23 U	0.23 U
1,1,2-Trichloroethane	NC	0.70 UJ	0.62 U	0.58 U	0.60 U	0.60 U
2-Hexanone	NC	4.4 UJ	3.9 U	3.7 U	3.8 U	3.8 U
Dibromochloromethane	NA	0.40 UJ	0.35 U	0.33 U	0.35 U	0.35 U
1,2-Dibromoethane	NC	0.58 UJ	0.51 U	0.48 U	0.50 U	0.50 U
Tetrachloroethene	1,400	0.88 UJ	0.77 U	0.73 U	0.76 U	0.76 U
Chlorobenzene	1,700	0.49 UJ	0.43 U	0.40 U	0.42 U	0.42 U
Ethyl Benzene	5,500	0.35 UJ	0.30 U	0.29 U	0.30 U	0.30 U
m/p-Xylenes	1,200	1.5 J	1.3 J	0.59 U	0.61 U	0.61 U
o-Xylene	600	0.60 UJ	0.53 U	0.50 U	0.51 U	0.51 U
Styrene	NC	0.43 UJ	1.7 J	0.36 U	0.37 U	0.37 U
Bromoform	NC	0.42 UJ	0.36 U	0.34 U	0.36 U	0.36 U
Isopropylbenzene	2,300	0.51 UJ	0.45 U	0.43 U	0.44 U	0.44 U
1,1,2,2-Tetrachloroethane	600	0.73 UJ	0.65 U	0.61 U	0.63 U	0.63 U
1,3-Dichlorobenzene	1,600	0.29 UJ	0.26 U	0.24 U	0.25 U	0.25 U
1,4-Dichlorobenzene	8,500	0.49 UJ	0.43 U	0.40 U	0.42 U	0.42 U
1,2-Dichlorobenzene	7,900	0.57 UJ	0.50 U	0.47 U	0.49 U	0.49 U
1,2-Dibromo-3-Chloropropane	NC	0.94 UJ	0.83 U	0.78 U	0.81 U	0.81 U
1,2,4-Trichlorobenzene	3,400	0.35 UJ	0.30 U	0.29 U	0.30 U	0.30 U
Total Confident Conc. VOC	10,000	8.5	9.4	0	0	3.5

Summary of Volatile Organic Compounds in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-6

Sample ID Units Volatile Organic Compounds	TAGM RSCO	SB25-1010.5 ug/Kg	SB25-16.5-17 ug/Kg	SB25-22.523.0 ug/Kg
Dichlorodifluoromethane	NC	1.6 UJ	1.7 U	1.6 U
Chloromethane	NC	0.42 UJ	0.45 U	0.42 U
Vinyl Chloride	200	0.30 UJ	0.32 U	0.30 U
Bromomethane	NC	0.91 UJ	0.97 U	0.91 U
Chloroethane	1,900	0.67 UJ	0.72 U	0.67 U
Trichlorofluoromethane	NC	3.2 UJ	3.4 U	3.2 U
1,1,2-Trichlorotrifluoroethane	6,000	0.59 UJ	0.63 U	0.59 U
1,1-Dichloroethene	400	0.28 UJ	0.29 U	0.28 U
Acetone	200	9.6 UJ	59 J	34
Carbon Disulfide	2,700	0.13 UJ	4.9 J	0.13 U
Methyl tert-butyl Ether	120	0.29 UJ	0.31 U	0.29 U
Methyl Acetate	NC	1.6 UJ	1.7 U	1.6 U
Methylene Chloride	100	7.0 J	3.8 J	16 J
trans-1,2-Dichloroethene	300	0.48 UJ	0.51 U	0.48 U
1,1-Dichloroethane	200	0.45 UJ	0.48 U	0.45 U
Cyclohexane	NC	0.39 UJ	21 J	0.39 U
2-Butanone	300	2.9 UJ	3.1 U	2.9 U
Carbon Tetrachloride	600	0.38 UJ	0.41 U	0.38 U
cis-1,2-Dichloroethene	NC	0.45 UJ	0.48 U	0.45 U
Chloroform	300	0.30 UJ	0.32 U	0.30 U
1,1,1-Trichloroethane	800	0.35 UJ	0.37 U	0.35 U
Methylcyclohexane	NC	0.46 UJ	130 J	0.46 U
Benzene	60	0.26 UJ	***2100*** D	12
1,2-Dichloroethane	200	3.9 UJ	4.2 U	3.9 U
Trichloroethene	700	0.41 UJ	0.44 U	0.41 U
1,2-Dichloropropane	NC	0.43 UJ	0.46 U	0.43 U
Bromodichloromethane	NC	0.43 UJ	0.46 U	0.43 U
4-Methyl-2-Pentanone	1,000	3.1 UJ	3.3 U	3.1 U
Toluene	1,500	0.33 UJ	0.35 U	0.33 U

Summary of Volatile Organic Compounds in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-6

Sample ID Units Volatile Organic Compounds	TAGM RSCO	SB25-1010.5 ug/Kg	SB25-16.5-17 ug/Kg	SB25-22.523.0 ug/Kg
t-1,3-Dichloropropene	NC	0.33 UJ	0.35 U	0.33 U
cis-1,3-Dichloropropene	NC	0.25 UJ	0.27 U	0.25 U
1,1,2-Trichloroethane	NC	0.65 UJ	0.69 U	0.65 U
2-Hexanone	NC	4.1 UJ	4.4 U	4.1 U
Dibromochloromethane	NA	0.37 UJ	0.4 U	0.37 U
1,2-Dibromoethane	NC	0.53 UJ	0.57 U	0.53 U
Tetrachloroethene	1,400	0.81 UJ	0.87 U	0.81 U
Chlorobenzene	1,700	0.45 UJ	0.48 U	0.45 U
Ethyl Benzene	5,500	0.32 UJ	130	12
m/p-Xylenes	1,200	0.66 UJ	93	21
o-Xylene	600	0.55 UJ	27	10
Styrene	NC	0.40 UJ	0.43 U	0.40 U
Bromoform	NC	0.38 UJ	0.41 U	0.38 U
Isopropylbenzene	2,300	0.47 UJ	1500 D	2.6 J
1,1,2,2-Tetrachloroethane	600	0.68 UJ	0.72 U	0.68 U
1,3-Dichlorobenzene	1,600	0.27 UJ	0.29 U	0.27 U
1,4-Dichlorobenzene	8,500	0.45 UJ	0.48 U	0.45 U
1,2-Dichlorobenzene	7,900	0.52 UJ	0.56 U	0.52 U
1,2-Dibromo-3-Chloropropane	NC	0.87 UJ	0.93 U	0.87 U
1,2,4-Trichlorobenzene	3,400	0.32 UJ	0.34 U	0.32 U
Total Confident Conc. VOC	10,000	7.0	4,068.7	107.6

Summary of Volatile Organic Compounds in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-6

Sample ID Units Volatile Organic Compounds	TAGM RSCO	SB26-11.011.5 ug/Kg	SB26-2527 ug/Kg	SB26-3739 ug/Kg	SB40-4.04.5 ug/Kg	SB40A-3.54.0 ug/Kg	B56-34 ug/Kg
Dichlorodifluoromethane	NC	1.4 U	1.7 U	1.5 U	1.3 U	1.3 U	14 U
Chloromethane	NC	0.38 U	0.45 U	0.39 U	0.36 U	0.35 U	3.7 U
Vinyl Chloride	200	0.27 U	0.32 U	0.28 U	0.25 U	0.25 U	2.6 U
Bromomethane	NC	0.82 U	0.97 U	0.83 U	0.76 U	0.75 U	7.9 U
Chloroethane	1,900	0.61 U	0.72 U	0.62 U	0.56 U	0.56 U	5.8 U
Trichlorofluoromethane	NC	2.9 U	3.4 U	2.9 U	2.6 U	2.6 U	27 U
1,1,2-Trichlorotrifluoroethane	6,000	0.53 U	0.63 U	0.54 U	0.49 U	0.49 U	5.1 U
1,1-Dichloroethene	400	0.25 U	0.29 U	0.25 U	0.23 U	0.23 U	2.4 U
Acetone	200	8.7 U	10 U	8.8 R	8.0 U	7.9 U	83 U
Carbon Disulfide	2,700	0.12 U	0.14 U	0.12 U	0.11 U	0.11 U	1.1 U
Methyl tert-butyl Ether	120	0.27 U	0.31 U	0.27 U	0.25 U	0.24 U	2.5 U
Methyl Acetate	NC	1.5 U	1.7 U	1.5 U	1.4 U	1.4 U	14 U
Methylene Chloride	100	0.79 U	0.93 U	0.80 U	0.73 U	0.72 U	16 J
trans-1,2-Dichloroethene	300	0.43 U	0.51 U	0.44 U	0.40 U	0.39 U	4.1 U
1,1-Dichloroethane	200	0.41 U	0.48 U	0.42 U	0.38 U	0.38 U	3.9 U
Cyclohexane	NC	0.35 U	0.42 U	0.36 U	0.33 U	0.32 U	3.4 U
2-Butanone	300	2.6 U	3.1 U	2.7 R	2.4 U	2.4 U	25 U
Carbon Tetrachloride	600	0.35 U	0.41 U	0.35 U	0.32 U	0.32 U	3.3 U
cis-1,2-Dichloroethene	NC	0.41 U	0.48 U	0.41 U	0.38 U	0.37 U	3.9 U
Chloroform	300	0.28 U	0.32 U	0.28 U	0.25 U	0.25 U	2.6 U
1,1,1-Trichloroethane	800	0.32 U	0.37 U	0.32 U	0.29 U	0.29 U	3.0 U
Methylcyclohexane	NC	8.3	0.49 U	0.42 U	0.38 U	0.38 U	3.9 U
Benzene	60	8.4 J	33 J	0.24 UJ	0.22 U	0.21 U	24 J
1,2-Dichloroethane	200	3.6 U	4.2 U	3.6 U	3.3 U	3.3 U	34 U
Trichloroethene	700	0.37 U	0.44 U	0.38 U	0.34 U	0.34 U	3.6 U
1,2-Dichloropropane	NC	0.39 U	0.46 U	0.39 U	0.36 U	0.36 U	3.7 U
Bromodichloromethane	NC	0.39 U	0.46 U	0.39 U	0.36 U	0.35 U	3.7 U
4-Methyl-2-Pentanone	1,000	2.8 U	3.3 U	2.8 U	2.6 U	2.6 U	27 U
Toluene	1,500	0.30 U	0.35 U	0.30 U	0.28 U	0.28 U	17 J

Summary of Volatile Organic Compounds in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-6

Sample ID Units Volatile Organic Compounds	TAGM RSCO	SB26-11.011.5 ug/Kg	SB26-2527 ug/Kg	SB26-3739 ug/Kg	SB40-4.04.5 ug/Kg	SB40A-3.54.0 ug/Kg	B56-34 ug/Kg
t-1,3-Dichloropropene	NC	0.30 U	0.35 U	0.30 U	0.28 U	0.27 U	2.8 U
cis-1,3-Dichloropropene	NC	0.23 U	0.27 U	0.23 U	0.21 U	0.21 U	2.2 U
1,1,2-Trichloroethane	NC	0.59 U	0.69 U	0.60 U	0.54 U	0.54 U	5.6 U
2-Hexanone	NC	3.7 U	4.4 U	3.8 U	3.4 U	3.4 U	36 U
Dibromochloromethane	NA	0.34 U	0.40 U	0.34 U	0.31 U	0.31 U	3.2 U
1,2-Dibromoethane	NC	0.48 U	0.57 U	0.49 U	0.45 U	0.44 U	4.6 U
Tetrachloroethene	1,400	0.74 U	0.87 U	0.75 U	0.68 U	0.68 U	7.1 U
Chlorobenzene	1,700	0.41 U	0.48 U	0.41 U	0.38 U	0.37 U	3.9 U
Ethyl Benzene	5,500	3.2 J	0.34 U	0.29 U	0.27 U	0.26 U	2.8 U
m/p-Xylenes	1,200	3.0 J	0.70 U	0.60 U	0.55 U	0.55 U	51 J
o-Xylene	600	0.50 U	0.59 U	0.51 U	0.46 U	0.46 U	44 J
Styrene	NC	0.36 U	0.43 U	0.37 U	0.34 U	0.33 U	3.5 U
Bromoform	NC	0.35 U	0.41 U	0.35 U	0.32 U	0.32 U	3.3 U
Isopropylbenzene	2,300	4.7 J	2.7 J	0.44 U	13	0.39 U	19 J
1,1,2,2-Tetrachloroethane	600	0.62 U	0.72 U	0.62 U	0.57 U	0.56 U	5.9 U
1,3-Dichlorobenzene	1,600	0.25 U	0.29 U	0.25 U	0.23 U	0.22 U	2.3 U
1,4-Dichlorobenzene	8,500	0.41 U	0.48 U	0.41 U	0.38 U	0.37 U	3.9 U
1,2-Dichlorobenzene	7,900	0.48 U	0.56 U	0.48 U	0.44 U	0.44 U	4.5 U
1,2-Dibromo-3-Chloropropane	NC	0.79 U	0.93 U	0.80 U	0.73 U	0.72 U	7.5 U
1,2,4-Trichlorobenzene	3,400	0.29 U	0.34 U	0.29 U	0.27 U	0.27 U	2.8 U
Total Confident Conc. VOC	10,000	27.6	35.7	0	13	0	171

Summary of Volatile Organic Compounds in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-6

Sample ID Units Volatile Organic Compounds	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detection	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
Dichlorodifluoromethane	NC	28	0	0.0%	0	0.0%	<1.3	<14
Chloromethane	NC	28	0	0.0%	0	0.0%	<0.35	<3.7
Vinyl Chloride	200	28	0	0.0%	0	0.0%	<0.25	<2.6
Bromomethane	NC	28	0	0.0%	0	0.0%	<0.75	<7.9
Chloroethane	1,900	28	0	0.0%	0	0.0%	<0.56	<130
Trichlorofluoromethane	NC	28	0	0.0%	0	0.0%	<2.60	<27
1,1,2-Trichlorotrifluoroethane	6,000	28	0	0.0%	0	0.0%	<0.49	<5.1
1,1-Dichloroethene	400	28	0	0.0%	0	0.0%	<0.23	<2.4
Acetone	200	28	2	7.1%	0	0.0%	<7.9	<83
Carbon Disulfide	2,700	28	2	7.1%	0	0.0%	<0.11	11
Methyl tert-butyl Ether	120	28	0	0.0%	0	0.0%	<0.24	<2.5
Methyl Acetate	NC	28	0	0.0%	0	0.0%	<1.4	<14
Methylene Chloride	100	28	16	57.1%	0	0.0%	<0.72	21
trans-1,2-Dichloroethene	300	28	0	0.0%	0	0.0%	<0.39	<4.1
1,1-Dichloroethane	200	28	0	0.0%	0	0.0%	<0.38	<3.9
Cyclohexane	NC	28	1	3.6%	0	0.0%	<0.32	21
2-Butanone	300	28	0	0.0%	0	0.0%	<2.4	<25
Carbon Tetrachloride	600	28	0	0.0%	0	0.0%	<0.32	<3.3
cis-1,2-Dichloroethene	NC	28	0	0.0%	0	0.0%	<0.37	<3.9
Chloroform	300	28	0	0.0%	0	0.0%	<0.25	<2.6
1,1,1-Trichloroethane	800	28	0	0.0%	0	0.0%	<0.29	<3
Methylcyclohexane	NC	28	3	10.7%	0	0.0%	<0.38	130
Benzene	60	28	7	25.0%	1	3.6%	<0.21	2,100
1,2-Dichloroethane	200	28	0	0.0%	0	0.0%	<3.3	<34
Trichloroethene	700	28	0	0.0%	0	0.0%	<0.34	<3.6
1,2-Dichloropropane	NC	28	0	0.0%	0	0.0%	<0.36	<3.7
Bromodichloromethane	NC	28	0	0.0%	0	0.0%	<0.35	<3.7
4-Methyl-2-Pentanone	1,000	28	0	0.0%	0	0.0%	<2.6	27
Toluene	1,500	28	5	17.9%	1	3.6%	<0.28	2,700

Summary of Volatile Organic Compounds in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-6

Sample ID Units Volatile Organic Compounds	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detection	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
t-1,3-Dichloropropene	NC	28	0	0.0%	0	0.0%	<0.27	<2.8
cis-1,3-Dichloropropene	NC	28	0	0.0%	0	0.0%	<0.21	<2.2
1,1,2-Trichloroethane	NC	28	0	0.0%	0	0.0%	<0.54	<5.6
2-Hexanone	NC	28	0	0.0%	0	0.0%	<3.4	<36
Dibromochloromethane	NA	28	0	0.0%	0	0.0%	<0.31	<3.2
1,2-Dibromoethane	NC	28	0	0.0%	0	0.0%	<0.44	<4.6
Tetrachloroethene	1,400	28	0	0.0%	0	0.0%	<0.68	<7.1
Chlorobenzene	1,700	28	0	0.0%	0	0.0%	<0.37	<3.9
Ethyl Benzene	5,500	28	6	21.4%	1	3.6%	<0.26	7,600
m/p-Xylenes	1,200	28	9	32.1%	1	3.6%	<0.55	13,000
o-Xylene	600	28	7	25.0%	1	3.6%	<0.46	5,900
Styrene	NC	28	2	7.1%	0	0.0%	<.033	1,700
Bromoform	NC	28	0	0.0%	0	0.0%	<0.32	<3.3
Isopropylbenzene	2,300	28	8	28.6%	0	0.0%	<0.39	1,500
1,1,2,2-Tetrachloroethane	600	28	0	0.0%	0	0.0%	<0.56	<5.9
1,3-Dichlorobenzene	1,600	28	0	0.0%	0	0.0%	<0.22	<2.3
1,4-Dichlorobenzene	8,500	28	0	0.0%	0	0.0%	<0.37	<3.9
1,2-Dichlorobenzene	7,900	28	0	0.0%	0	0.0%	<0.44	<4.5
1,2-Dibromo-3-Chloropropane	NC	28	0	0.0%	0	0.0%	<0.72	<7.5
1,2,4-Trichlorobenzene	3,400	28	0	0.0%	0	0.0%	<0.27	<2.8
Total Confident Conc. VOC	10,000							

Summary of Semi-Volatile Organic Compounds in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-7

Sample ID Units Semi-Volatile Organic Compounds	TAGM RSCO	SBTT1(5-6) ug/Kg	SBTT1-8.59.0 ug/Kg	SBTT1-1212.5 ug/Kg	SB1-8.08.5 ug/Kg	SB1-1616.5 ug/Kg	SB1-24.525 ug/Kg
Benzaldehyde	NC	1900 U	74 U	75 U	40 U	38 U	40 U
Phenol	30 or MDL	810 U	32 U	32 U	17 U	16 U	17 U
bis(2-Chloroethyl)ether	NC	950 U	37 U	38 U	20 U	19 U	20 U
2-Chlorophenol	800	840 U	33 U	33 U	18 U	17 U	18 U
2-Methylphenol	100 or MDL	1200 U	48 U	49 U	26 U	24 U	26 U
2,2-oxybis(1-Chloropropane)	NC	1000 U	41 U	42 U	22 U	21 U	22 U
Acetophenone	NC	1000 U	40 U	40 U	21 U	20 U	21 U
3+4-Methylphenols	900	890 U	35 U	35 U	19 U	18 U	19 U
N-Nitroso-di-n-propylamine	NC	850 U	33 U	34 U	18 U	17 U	18 U
Hexachloroethane	NC	920 U	36 U	37 U	20 U	18 U	20 U
Nitrobenzene	200 or MDL	980 U	38 U	39 U	21 U	19 U	21 U
Isophorone	4,400	720 U	28 U	29 U	15 U	14 U	15 U
2-Nitrophenol	330 or MDL	780 U	30 U	31 U	16 U	15 U	16 U
2,4-Dimethylphenol	NC	1000 U	41 U	42 U	22 U	21 U	22 U
bis(2-Chloroethoxy)methane	NC	880 U	35 U	35 U	19 U	18 U	19 U
2,4-Dichlorophenol	400	680 U	27 U	27 U	14 U	13 U	14 U
Naphthalene	13,000	420 U	***21000*** D	1700	8.9 U	87 J	8.9 U
4-Chloroaniline	220 or MDL	7200 U	280 U	280 U	150 U	140 U	150 U
Hexachlorobutadiene	NC	680 U	27 U	27 U	14 U	13 U	14 U
Caprolatam	NC	710 U	28 U	28 U	15 U	14 U	15 U
4-Chloro-3-methylphenol	240 or MDL	570 U	22 U	23 U	12 U	11 U	12 U
2-Methylnaphthalene	36,400	330 U	4700	660 J	7.0 U	190 J	7.0 U
Hexachlorocyclopentadiene	NC	490 UJ	19 UJ	19 UJ	10 UJ	9.6 UJ	10 U
2,4,6-Trichlorophenol	NC	700 U	27 U	28 U	15 U	14 U	15 U
2,4,5-Trichlorophenol	100	1300 U	50 U	51 U	27 U	25 U	27 U
1,1-Biphenyl	NC	570 U	210 J	23 U	12 U	11 U	12 U
2-Chloronaphthalene	NC	400 U	16 U	16 U	8.5 U	8.0 U	8.5 U
2-Nitroaniline	430 or MDL	700 U	27 U	28 U	15 U	14 U	15 U
Dimethylphthalate	2,000	460 U	18 U	18 U	9.8 U	9.2 U	9.8 U

Summary of Semi-Volatile Organic Compounds in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-7

Sample ID Units Semi-Volatile Organic Compounds	TAGM RSCO	SBTT1(5-6) ug/Kg	SBTT1-8.59.0 ug/Kg	SBTT1-1212.5 ug/Kg	SB1-8.08.5 ug/Kg	SB1-1616.5 ug/Kg	SB1-24.525 ug/Kg
Acenaphthylene	41,000	580 U	240 J	23 U	12 U	11 U	12 U
2,6-Dinitrotoluene	1,000	820 U	32 U	33 U	17 U	16 U	17 U
3-Nitroaniline	500 or MDL	3100 U	120 U	120 U	66 U	62 U	66 U
Acenaphthene	50,000	430 U	95 J	17 U	9.0 U	8.5 U	9.0 U
2,4-Dinitrophenol	200 or MDL	850 U	33 U	34 U	18 U	17 U	18 U
4-Nitrophenol	100 or MDL	1900 U	74 U	75 U	40 U	37 U	40 U
Dibenzofuran	6,200	640 U	25 U	25 U	13 U	13 U	13 U
2,4-Dinitrotoluene	1,000	390 U	15 U	15 U	8.2 U	7.7 U	8.2 U
Diethylphthalate	7,100	610 U	24 U	24 U	13 U	12 U	13 U
4-Chlorophenyl-phenylether	NC	480 U	19 U	19 U	10 U	9.5 U	10 U
Fluorene	50,000	550 U	270 J	22 U	12 U	11 U	12 U
4-Nitroaniline	NC	1500 U	59 U	60 U	32 U	30 U	32 U
4,6-Dinitro-2-methylphenol	NC	1100 U	44 U	45 U	24 U	22 U	24 U
N-Nitrosodiphenylamine	NC	490 U	19 U	20 U	10 U	9.7 U	10 U
4-Bromophenyl-phenylether	NC	510 U	170 J	20 U	11 U	10 U	11 U
Hexachlorobenzene	410	360 U	14 U	14 U	7.7 U	7.2 U	7.7 U
Atrazine	NC	590 U	23 U	23 U	12 U	12 U	12 U
Pentachlorophenol	1000 or MDL	600 U	24 U	24 U	13 U	12 U	13 U
Phenanthrene	50,000	430 U	580 J	120 J	9.1 U	8.6 U	9.1 U
Anthracene	50,000	460 U	230 J	18 U	9.8 U	9.2 U	9.8 U
Carbazole	NC	430 U	17 U	17 U	9.0 U	8.5 U	9.0 U
Di-n-butylphthalate	8,100	260 U	10 U	10 U	5.4 U	5.1 U	5.4 U
Fluoranthene	50,000	270 U	430 J	150 J	5.7 U	5.3 U	5.7 U
Pyrene	50,000	340 U	600 J	200 J	7.3 U	6.8 U	7.3 U
Butylbenzylphthalate	50,000	650 U	25 U	26 U	14 U	13 U	14 U
3,3-Dichlorobenzidine	NA	3100 U	120 U	120 U	66 U	62 U	66 U
Benzo(a)anthracene	224 or MDL	290 U	***250*** J	100 J	6.2 U	5.8 U	6.2 U
Chrysene	400	610 U	290 J	110 J	13 U	12 U	13 U
bis(2-Ethylhexyl)phthalate	50,000	440 U	17 U	89 J	9.4 U	74 J	9.4 U

Summary of Semi-Volatile Organic Compounds in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-7

Sample ID Units Semi-Volatile Organic Compounds	TAGM RSCO	SBTT1(5-6) ug/Kg	SBTT1-8.59.0 ug/Kg	SBTT1-1212.5 ug/Kg	SB1-8.08.5 ug/Kg	SB1-1616.5 ug/Kg	SB1-24.525 ug/Kg
Di-n-octyl phthalate	50,000	460 U	18 U	18 U	9.8 U	9.2 U	9.8 U
Benzo(b)fluoranthene	1,100	1000 U	280 J	160 J	22 U	20 U	22 U
Benzo(k)fluoranthene	1,100	660 U	180 J	82 J	14 U	13 U	14 U
Benzo(a)pyrene	61 or MDL	330 U	***280*** J	***140*** J	7.0 U	6.6 U	7.0 U
Indeno(1,2,3-cd)pyrene	3,200	470 U	120 J	19 U	9.9 U	9.3 U	9.9 U
Dibenz(a,h)anthracene	14 or MDL	570 U	22 U	23 U	12 U	11 U	12 U
Benzo(g,h,i)perylene	50,000	840 U	170 J	87 J	18 U	17 U	18 U
Total Confident Conc. SVOC	500,000	0	30,095	3,598	0	351	0
Carcinogenic SVOCs in BaP Equivalents		0	349.7	167.92	0	0	0

Summary of Semi-Volatile Organic Compounds in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-7

Sample ID Units Semi-Volatile Organic Compounds	TAGM RSCO	B2-79 ug/Kg	B2-1517 ug/Kg	B2-1921 ug/Kg	SB3-2.53.0 ug/Kg	SB3-910 ug/Kg	SB3-1314 ug/Kg	SB3-3839 ug/Kg
Benzaldehyde	NC	69 U	75 U	42 U	400 U	34 U	41 U	41 U
Phenol	30 or MDL	29 U	32 U	18 U	170 U	15 U	17 U	17 U
bis(2-Chloroethyl)ether	NC	35 U	38 U	21 U	200 U	17 U	21 U	20 U
2-Chlorophenol	800	30 U	33 U	18 U	180 U	15 U	18 U	18 U
2-Methylphenol	100 or MDL	44 U	48 U	27 U	260 U	22 U	26 U	26 U
2,2-oxybis(1-Chloropropane)	NC	38 U	42 U	23 U	220 U	19 U	23 U	22 U
Acetophenone	NC	37 U	40 U	22 U	210 U	18 U	22 U	22 U
3+4-Methylphenols	900	32 U	35 U	20 U	190 U	16 U	19 U	19 U
N-Nitroso-di-n-propylamine	NC	31 U	34 U	19 U	180 U	15 U	18 U	18 U
Hexachloroethane	NC	34 U	37 U	20 U	190 U	17 U	20 U	20 U
Nitrobenzene	200 or MDL	36 U	39 U	22 U	210 U	18 U	21 U	21 U
Isophorone	4,400	26 U	29 U	16 U	150 U	13 U	16 U	15 U
2-Nitrophenol	330 or MDL	28 U	31 U	17 U	160 U	14 U	17 U	17 U
2,4-Dimethylphenol	NC	38 U	42 U	23 U	220 U	19 U	23 U	22 U
bis(2-Chloroethoxy)methane	NC	32 U	35 U	19 U	190 U	16 U	19 U	19 U
2,4-Dichlorophenol	400	25 U	27 U	15 U	140 U	12 U	15 U	15 U
Naphthalene	13,000	600 J	1000 J	9.3 U	88 U	63 J	3100	9.0 U
4-Chloroaniline	220 or MDL	260 U	280 U	160 U	1500 U	130 U	150 U	150 U
Hexachlorobutadiene	NC	25 U	27 U	15 U	140 U	12 U	15 U	15 U
Caprolatam	NC	26 U	28 U	16 U	150 U	13 U	15 U	15 U
4-Chloro-3-methylphenol	240 or MDL	21 U	23 U	13 U	120 U	10 U	12 U	12 U
2-Methylnaphthalene	36,400	1500	3600 J	7.3 U	70 U	6.0 U	930	7.1 U
Hexachlorocyclopentadiene	NC	18 U	19 U	11 U	100 U	8.8 R	10 R	10 U
2,4,6-Trichlorophenol	NC	25 U	28 U	15 U	150 U	13 U	15 U	15 U
2,4,5-Trichlorophenol	100	46 U	51 U	28 U	270 U	23 U	28 U	27 U
1,1-Biphenyl	NC	21 U	23 U	13 U	120 U	10 U	12 U	12 U
2-Chloronaphthalene	NC	15 U	16 U	8.9 U	85 U	7.3 U	8.7 U	8.6 U
2-Nitroaniline	430 or MDL	25 U	28 U	15 U	150 U	13 U	15 U	15 U
Dimethylphthalate	2,000	17 U	18 U	10 U	97 U	8.3 U	10 U	9.9 U

Summary of Semi-Volatile Organic Compounds in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-7

Sample ID Units Semi-Volatile Organic Compounds	TAGM RSCO	B2-79 ug/Kg	B2-1517 ug/Kg	B2-1921 ug/Kg	SB3-2.53.0 ug/Kg	SB3-910 ug/Kg	SB3-1314 ug/Kg	SB3-3839 ug/Kg
Acenaphthylene	41,000	21 U	23 U	13 U	120 U	10 U	12 U	12 U
2,6-Dinitrotoluene	1,000	30 U	33 U	18 U	170 U	15 U	18 U	18 U
3-Nitroaniline	500 or MDL	110 U	120 U	69 U	660 U	56 U	67 U	67 U
Acenaphthene	50,000	15 U	17 U	9.4 U	90 U	7.7 U	62 J	9.1 U
2,4-Dinitrophenol	200 or MDL	31 U	34 U	19 U	180 U	15 UJ	18 UJ	18 U
4-Nitrophenol	100 or MDL	68 U	75 U	42 U	400 U	34 U	41 U	40 U
Dibenzofuran	6,200	23 U	90 J	14 U	130 U	12 U	14 U	14 U
2,4-Dinitrotoluene	1,000	14 U	15 U	8.5 U	81 U	7.0 U	8.3 U	8.3 U
Diethylphthalate	7,100	22 U	24 U	13 U	130 U	11 U	13 U	13 U
4-Chlorophenyl-phenylether	NC	17 U	19 U	11 U	100 U	8.7 U	10 U	10 U
Fluorene	50,000	20 U	150 J	12 U	120 U	60 J	45 J	12 U
4-Nitroaniline	NC	55 U	60 U	33 U	320 U	27 U	33 U	32 U
4,6-Dinitro-2-methylphenol	NC	41 U	45 U	25 U	240 U	20 UJ	24 UJ	24 U
N-Nitrosodiphenylamine	NC	18 U	19 U	11 U	100 U	8.9 U	11 U	11 U
4-Bromophenyl-phenylether	NC	18 U	20 U	11 U	110 U	9.2 U	11 U	11 U
Hexachlorobenzene	410	13 U	14 U	8.0 U	76 U	6.5 U	7.8 U	7.8 U
Atrazine	NC	21 U	23 U	13 U	120 U	11 U	13 U	13 U
Pentachlorophenol	1000 or MDL	22 U	24 U	13 U	130 U	11 U	13 U	13 U
Phenanthrene	50,000	110 J	260 J	9.5 U	2000 J	300 J	170 J	9.3 U
Anthracene	50,000	17 U	18 U	10 U	97 U	57 J	84 J	9.9 U
Carbazole	NC	15 U	17 U	9.4 U	90 U	7.7 U	9.2 U	9.1 U
Di-n-butylphthalate	8,100	9.3 U	10 U	5.7 U	54 U	4.6 U	5.6 U	5.5 U
Fluoranthene	50,000	9.8 U	11 U	5.9 U	3000 J	120 J	390 J	5.8 U
Pyrene	50,000	13 U	89 J	7.6 U	3900 J	190 J	520	7.4 U
Butylbenzylphthalate	50,000	24 U	26 U	14 U	140 U	37 J	14 U	14 U
3,3-Dichlorobenzidine	NA	110 U	120 U	68 U	650 U	56 U	67 U	67 U
Benzo(a)anthracene	224 or MDL	11 U	12 U	6.4 U	***1900*** J	55 J	***310*** J	6.3 U
Chrysene	400	22 U	24 U	13 U	***1700*** J	56 J	300 J	13 U
bis(2-Ethylhexyl)phthalate	50,000	150 J	190 J	75 J	93 U	150 J	9.6 U	45 J

Summary of Semi-Volatile Organic Compounds in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-7

Sample ID Units Semi-Volatile Organic Compounds	TAGM RSCO	B2-79 ug/Kg	B2-1517 ug/Kg	B2-1921 ug/Kg	SB3-2.53.0 ug/Kg	SB3-910 ug/Kg	SB3-1314 ug/Kg	SB3-3839 ug/Kg
Di-n-octyl phthalate	50,000	17 U	18 U	10 U	97 U	8.3 U	10 U	9.9 U
Benzo(b)fluoranthene	1,100	37 R	41 R	23 U	***2300*** J	38 J	300 J	22 U
Benzo(k)fluoranthene	1,100	24 R	26 R	15 U	970 J	12 U	250 J	14 U
Benzo(a)pyrene	61 or MDL	12 R	13 R	7.3 U	***1600*** J	6.0 U	***360*** J	7.1 U
Indeno(1,2,3-cd)pyrene	3,200	17 U	19 U	10 U	98 U	8.4 UJ	150 J	10 U
Dibenz(a,h)anthracene	14 or MDL	21 R	23 R	12 U	120 UJ	10 U	12 U	12 U
Benzo(g,h,i)perylene	50,000	31 R	33 Rd	19 U	450 J	15 U	190 J	18 U
Total Confident Conc. SVOC	500,000	2,360	5,379	75	17,820	1,126	7,161	45
Carcinogenic SVOCs in BaP Equivalents		0	0	0	2,046.7	9.86	441.5	0

Summary of Semi-Volatile Organic Compounds in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-7

Sample ID Units Semi-Volatile Organic Compounds	TAGM RSCO	SB24-0102 ug/Kg	SB24-0202.5 ug/Kg	SB24(6.57) ug/Kg	SB24-0911 ug/Kg	SB24(1010.5) ug/Kg
Benzaldehyde	NC	450 U	160 U	74 U	38 U	38 U
Phenol	30 or MDL	190 U	67 U	31 U	16 U	16 U
bis(2-Chloroethyl)ether	NC	230 U	79 U	37 U	19 U	19 U
2-Chlorophenol	800	200 U	69 U	33 U	17 U	17 U
2-Methylphenol	100 or MDL	290 U	100 U	48 U	25 U	25 U
2,2-oxybis(1-Chloropropane)	NC	250 U	86 U	41 U	21 U	21 U
Acetophenone	NC	1200 J	630 J	39 U	21 U	20 U
3+4-Methylphenols	900	210 U	73 U	35 U	18 U	18 U
N-Nitroso-di-n-propylamine	NC	200 U	70 U	33 U	17 U	17 U
Hexachloroethane	NC	220 U	76 U	36 U	19 U	19 U
Nitrobenzene	200 or MDL	230 U	81 U	38 U	20 U	20 U
Isophorone	4,400	170 U	59 U	28 U	15 U	14 U
2-Nitrophenol	330 or MDL	180 U	64 U	30 U	16 U	16 U
2,4-Dimethylphenol	NC	250 U	86 U	41 U	21 U	21 U
bis(2-Chloroethoxy)methane	NC	210 U	73 U	34 U	18 U	18 U
2,4-Dichlorophenol	400	160 U	56 U	26 U	14 U	14 U
Naphthalene	13,000	1600 J	710 J	310 J	370 J	110 J
4-Chloroaniline	220 or MDL	1700 U	590 U	280 U	150 U	140 U
Hexachlorobutadiene	NC	160 U	56 U	26 U	14 U	14 U
Caprolatam	NC	170 U	59 U	28 U	14 U	14 U
4-Chloro-3-methylphenol	240 or MDL	140 U	47 U	22 U	12 U	12 U
2-Methylnaphthalene	36,400	890 J	320 J	77 J	190 J	6.7 U
Hexachlorocyclopentadiene	NC	110 U	40 U	19 UJ	9.8 R	9.8 UJ
2,4,6-Trichlorophenol	NC	170 U	58 U	27 U	14 U	14 U
2,4,5-Trichlorophenol	100	300 U	110 U	50 U	26 U	26 U
1,1-Biphenyl	NC	140 U	47 U	22 U	12 U	12 U
2-Chloronaphthalene	NC	95 U	33 U	16 U	8.2 U	8.1 U
2-Nitroaniline	430 or MDL	170 U	58 U	27 U	14 U	14 U
Dimethylphthalate	2,000	110 U	38 U	18 U	9.4 U	9.3 U

Summary of Semi-Volatile Organic Compounds in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-7

Sample ID Units Semi-Volatile Organic Compounds	TAGM RSCO	SB24-0102 ug/Kg	SB24-0202.5 ug/Kg	SB24(6.57) ug/Kg	SB24-0911 ug/Kg	SB24(1010.5) ug/Kg
Acenaphthylene	41,000	140 U	330 J	140 J	12 U	12 U
2,6-Dinitrotoluene	1,000	190 U	68 U	32 U	17 U	17 U
3-Nitroaniline	500 or MDL	740 U	260 U	120 U	63 U	63 U
Acenaphthene	50,000	100 U	35 U	17 U	8.7 U	8.6 U
2,4-Dinitrophenol	200 or MDL	200 U	70 U	33 U	17 UJ	17 U
4-Nitrophenol	100 or MDL	450 U	160 U	74 U	38 U	38 U
Dibenzofuran	6,200	150 U	53 U	25 U	13 U	13 U
2,4-Dinitrotoluene	1,000	91 U	32 U	15 U	7.8 U	7.8 U
Diethylphthalate	7,100	140 U	50 U	24 U	12 U	12 U
4-Chlorophenyl-phenylether	NC	110 U	40 U	19 U	9.7 U	9.6 U
Fluorene	50,000	130 U	45 U	21 U	11 U	11 U
4-Nitroaniline	NC	360 U	130 U	59 U	31 U	30 U
4,6-Dinitro-2-methylphenol	NC	270 U	93 U	44 U	23 UJ	23 U
N-Nitrosodiphenylamine	NC	120 U	41 U	19 U	10 U	9.9 U
4-Bromophenyl-phenylether	NC	120 U	42 U	20 U	10 U	10 U
Hexachlorobenzene	410	86 U	30 U	14 U	7.4 U	7.3 U
Atrazine	NC	140 U	49 U	23 U	12 U	12 U
Pentachlorophenol	1000 or MDL	140 U	50 U	23 U	12 U	12 U
Phenanthrene	50,000	100 U	500 J	530 J	130 J	120 J
Anthracene	50,000	110 U	170 J	200 J	61 J	51 J
Carbazole	NC	100 U	35 U	17 U	8.7 U	8.6 U
Di-n-butylphthalate	8,100	61 U	21 U	10 U	5.2 U	5.2 U
Fluoranthene	50,000	64 U	920 J	1600	78 J	350 J
Pyrene	50,000	620 J	1400 J	2100	110 J	420
Butylbenzylphthalate	50,000	150 U	54 U	25 U	13 U	13 U
3,3-Dichlorobenzidine	NA	730 U	260 U	120 U	63 U	62 U
Benzo(a)anthracene	224 or MDL	69 U	***1000*** J	***1300***	5.9 U	***260*** J
Chrysene	400	150 U	***1000*** J	***1300***	12 U	270 J
bis(2-Ethylhexyl)phthalate	50,000	110 U	37 U	360 J	75 J	89 J

Summary of Semi-Volatile Organic Compounds in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-7

Sample ID		SB24-0102	SB24-0202.5	SB24(6.57)	SB24-0911	SB24(1010.5)
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semi-Volatile Organic Compounds	TAGM RSCO					
Di-n-octyl phthalate	50,000	110 U	38 U	18 U	9.4 U	9.3 U
Benzo(b)fluoranthene	1,100	560 J	***3000*** J	***2000***	57 J	390
Benzo(k)fluoranthene	1,100	460 J	***1300*** J	720 J	13 U	150 J
Benzo(a)pyrene	61 or MDL	79 U	***2100*** J	***1600***	***63*** J	***290*** J
Indeno(1,2,3-cd)pyrene	3,200	110 J	310 J	720 J	40 J	140 J
Dibenz(a,h)anthracene	14 or MDL	130 U	47 UJ	***150*** J	12 U	11 U
Benzo(g,h,i)perylene	50,000	200 J	980 J	900	60 J	170 J
Total Confident Conc. SVOC	500,000	5,640	14,670	14,007	1,234	2,810
Carcinogenic SVOCs in BaP Equivalents		4.6	2,554	2,172.2	72.7	373.2

Summary of Semi-Volatile Organic Compounds in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-7

Sample ID Units Semi-Volatile Organic Compounds	TAGM RSCO	SB25-1010.5 ug/Kg	SB25-16.5-17 ug/Kg	SB25-22.523.0 ug/Kg	SB26-11.011.5 ug/Kg	SB26-2527 ug/Kg	SB26-3739 ug/Kg
Benzaldehyde	NC	41 U	44 U	41 U	38 U	44 U	38 U
Phenol	30 or MDL	17 U	19 U	17 U	16 U	19 U	16 U
bis(2-Chloroethyl)ether	NC	21 U	22 U	21 U	19 U	22 U	19 U
2-Chlorophenol	800	18 U	19 U	18 U	17 U	19 U	17 U
2-Methylphenol	100 or MDL	26 U	28 U	26 U	24 U	28 U	24 U
2,2-oxybis(1-Chloropropane)	NC	23 U	24 U	23 U	21 U	24 U	21 U
Acetophenone	NC	76 J	23 U	22 U	20 U	23 U	20 U
3+4-Methylphenols	900	19 U	21 U	19 U	18 U	20 U	18 U
N-Nitroso-di-n-propylamine	NC	18 U	20 U	19 U	17 U	20 U	17 U
Hexachloroethane	NC	20 U	21 U	20 U	18 U	21 U	18 U
Nitrobenzene	200 or MDL	21 U	23 U	21 U	19 U	23 U	20 U
Isophorone	4,400	16 U	17 U	16 U	14 U	17 U	14 U
2-Nitrophenol	330 or MDL	17 U	18 U	17 U	15 U	18 U	16 U
2,4-Dimethylphenol	NC	23 U	24 U	23 U	21 U	24 U	21 U
bis(2-Chloroethoxy)methane	NC	19 U	20 U	19 U	17 U	20 U	18 U
2,4-Dichlorophenol	400	15 U	16 U	15 U	13 U	16 U	14 U
Naphthalene	13,000	1700	2200	610	350 J	9.7 U	8.4 U
4-Chloroaniline	220 or MDL	150 U	170 U	160 U	140 U	170 U	140 U
Hexachlorobutadiene	NC	15 U	16 U	15 U	13 U	16 U	14 U
Caprolatam	NC	15 U	17 U	15 U	14 U	16 U	14 U
4-Chloro-3-methylphenol	240 or MDL	12 U	13 U	12 U	11 U	13 U	11 U
2-Methylnaphthalene	36,400	650	310 J	110 J	53 J	7.7 U	6.6 U
Hexachlorocyclopentadiene	NC	10 U	11 U	11 U	9.6 R	11 R	9.7 R
2,4,6-Trichlorophenol	NC	15 U	16 U	15 U	14 U	16 U	14 U
2,4,5-Trichlorophenol	100	28 U	30 U	28 U	25 U	30 U	26 U
1,1-Biphenyl	NC	12 U	13 U	12 U	11 U	13 U	11 U
2-Chloronaphthalene	NC	8.7 U	9.4 U	8.7 U	8.0 U	9.3 U	8.0 U
2-Nitroaniline	430 or MDL	15 U	16 U	15 U	14 U	16 U	14 U
Dimethylphthalate	2,000	10 U	11 U	10 U	9.1 U	11 U	9.2 U

Summary of Semi-Volatile Organic Compounds in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-7

Sample ID Units Semi-Volatile Organic Compounds	TAGM RSCO	SB25-1010.5 ug/Kg	SB25-16.5-17 ug/Kg	SB25-22.523.0 ug/Kg	SB26-11.011.5 ug/Kg	SB26-2527 ug/Kg	SB26-3739 ug/Kg
Acenaphthylene	41,000	98 J	13 U	13 U	11 U	13 U	12 U
2,6-Dinitrotoluene	1,000	18 U	19 U	18 U	16 U	19 U	16 U
3-Nitroaniline	500 or MDL	67 U	72 U	68 U	62 U	72 U	62 U
Acenaphthene	50,000	9.2 U	9.9 U	9.3 U	8.5 U	9.8 U	8.5 U
2,4-Dinitrophenol	200 or MDL	18 U	20 U	19 U	17 UJ	20 UJ	17 UJ
4-Nitrophenol	100 or MDL	41 U	44 R	41 R	37 U	44 U	38 U
Dibenzofuran	6,200	14 U	15 U	14 U	13 U	15 U	13 U
2,4-Dinitrotoluene	1,000	8.3 U	9.0 U	8.4 U	7.6 U	8.9 U	7.7 U
Diethylphthalate	7,100	13 U	14 U	13 U	12 U	14 U	12 U
4-Chlorophenyl-phenylether	NC	10 U	11 U	10 U	9.5 U	11 U	9.6 U
Fluorene	50,000	12 U	53 J	12 U	65 J	13 U	11 U
4-Nitroaniline	NC	33 U	35 U	33 U	30 U	35 U	30 U
4,6-Dinitro-2-methylphenol	NC	24 U	26 U	24 U	22 UJ	26 UJ	22 UJ
N-Nitrosodiphenylamine	NC	11 U	11 U	11 U	9.7 U	11 U	9.8 U
4-Bromophenyl-phenylether	NC	11 U	12 U	11 U	10 U	12 U	10 U
Hexachlorobenzene	410	7.8 U	8.4 U	7.9 U	7.2 U	8.4 U	7.2 U
Atrazine	NC	13 U	14 U	13 U	12 U	14 U	12 U
Pentachlorophenol	1000 or MDL	13 U	14 U	13 U	12 U	14 U	12 U
Phenanthrene	50,000	91 J	220 J	9.4 U	310 J	10 U	8.6 U
Anthracene	50,000	10 U	79 J	10 U	110 J	11 U	9.2 U
Carbazole	NC	9.2 U	9.9 U	9.3 U	8.5 U	9.8 U	8.5 U
Di-n-butylphthalate	8,100	5.6 U	6.0 U	5.6 U	5.1 U	5.9 U	5.1 U
Fluoranthene	50,000	96 J	470	5.8 U	750	6.2 U	5.4 U
Pyrene	50,000	150 J	500	7.5 U	1000	8.0 U	6.9 U
Butylbenzylphthalate	50,000	14 U	15 U	14 U	13 U	15 U	42 J
3,3-Dichlorobenzidine	NA	67 U	72 U	67 U	61 U	72 U	62 U
Benzo(a)anthracene	224 or MDL	69 J	***270*** J	6.3 U	***610***	6.7 U	5.8 U
Chrysene	400	69 J	230 J	13 U	***570***	14 U	12 U
bis(2-Ethylhexyl)phthalate	50,000	46 J	45 J	9.6 U	8.8 U	10 U	310 J

Summary of Semi-Volatile Organic Compounds in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-7

Sample ID		SB25-1010.5	SB25-16.5-17	SB25-22.523.0	SB26-11.011.5	SB26-2527	SB26-3739
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semi-Volatile Organic Compounds	TAGM RSCO						
Di-n-octyl phthalate	50,000	10 U	11 U	10 U	9.1 U	11 U	9.2 U
Benzo(b)fluoranthene	1,100	130 J	280 J	22 U	600	24 U	21 U
Benzo(k)fluoranthene	1,100	54 J	120 J	14 U	260 J	15 U	13 U
Benzo(a)pyrene	61 or MDL	***99*** J	***230*** J	7.2 U	***570***	7.7 U	6.6 U
Indeno(1,2,3-cd)pyrene	3,200	10 U	57 J	10 U	240 J	11 UJ	9.3 UJ
Dibenz(a,h)anthracene	14 or MDL	12 U	13 U	12 U	***39*** J	13 U	11 U
Benzo(g,h,i)perylene	50,000	18 U	95 J	18 U	310 J	19 U	17 U
Total Confident Conc. SVOC	500,000	3,328	5,159	720	5,837	0	352
Carcinogenic SVOCs in BaP Equivalents		120.13	294.2	0	762.3	0	0

Summary of Semi-Volatile Organic Compounds in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-7

Sample ID Units Semi-Volatile Organic Compounds	TAGM RSCO	SB40-4.04.5 ug/Kg	SB40A-3.54.0 ug/Kg	B56-34 ug/Kg
Benzaldehyde	NC	34 U	34 U	140 U
Phenol	30 or MDL	15 U	14 U	61 U
bis(2-Chloroethyl)ether	NC	17 U	17 U	72 U
2-Chlorophenol	800	15 U	15 U	63 U
2-Methylphenol	100 or MDL	22 U	22 U	93 U
2,2-oxybis(1-Chloropropane)	NC	19 U	19 U	79 U
Acetophenone	NC	18 U	18 U	77 U
3+4-Methylphenols	900	16 U	16 U	67 U
N-Nitroso-di-n-propylamine	NC	15 U	15 U	65 U
Hexachloroethane	NC	17 U	17 U	70 U
Nitrobenzene	200 or MDL	18 U	18 U	74 U
Isophorone	4,400	13 U	13 U	54 U
2-Nitrophenol	330 or MDL	14 U	14 U	59 U
2,4-Dimethylphenol	NC	19 U	19 U	79 U
bis(2-Chloroethoxy)methane	NC	16 U	16 U	67 U
2,4-Dichlorophenol	400	12 U	12 U	51 U
Naphthalene	13,000	38 J	7.5 U	1700
4-Chloroaniline	220 or MDL	130 U	130 U	540 U
Hexachlorobutadiene	NC	12 U	12 U	51 U
Caprolatam	NC	13 U	13 U	54 U
4-Chloro-3-methylphenol	240 or MDL	10 U	10 U	43 U
2-Methylnaphthalene	36,400	53 J	6.0 U	4500
Hexachlorocyclopentadiene	NC	8.8 UJ	8.7 UJ	37 U
2,4,6-Trichlorophenol	NC	13 U	13 U	53 U
2,4,5-Trichlorophenol	100	23 U	23 U	97 U
1,1-Biphenyl	NC	10 U	10 U	43 U
2-Chloronaphthalene	NC	7.3 U	7.2 U	31 U
2-Nitroaniline	430 or MDL	13 U	13 U	53 U
Dimethylphthalate	2,000	8.4 U	8.3 U	35 U

Summary of Semi-Volatile Organic Compounds in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-7

Sample ID Units Semi-Volatile Organic Compounds	TAGM RSCO	SB40-4.04.5 ug/Kg	SB40A-3.54.0 ug/Kg	B56-34 ug/Kg
Acenaphthylene	41,000	37 J	10 U	44 U
2,6-Dinitrotoluene	1,000	15 U	15 U	62 U
3-Nitroaniline	500 or MDL	57 U	56 U	240 U
Acenaphthene	50,000	7.7 U	7.6 U	32 U
2,4-Dinitrophenol	200 or MDL	15 U	15 U	65 U
4-Nitrophenol	100 or MDL	34 U	34 U	140 U
Dibenzofuran	6,200	12 U	11 U	48 U
2,4-Dinitrotoluene	1,000	7.0 U	6.9 U	29 U
Diethylphthalate	7,100	11 U	11 U	46 U
4-Chlorophenyl-phenylether	NC	8.7 U	8.6 U	36 U
Fluorene	50,000	10 U	9.8 U	260 J
4-Nitroaniline	NC	27 U	27 U	110 U
4,6-Dinitro-2-methylphenol	NC	20 U	20 U	85 U
N-Nitrosodiphenylamine	NC	8.9 U	8.8 U	37 U
4-Bromophenyl-phenylether	NC	9.2 U	9.1 U	39 U
Hexachlorobenzene	410	6.6 U	6.5 U	27 U
Atrazine	NC	11 U	11 U	45 U
Pentachlorophenol	1000 or MDL	11 U	11 U	46 U
Phenanthrene	50,000	7.9 U	7.7 U	660 J
Anthracene	50,000	8.4 U	8.3 U	35 U
Carbazole	NC	7.7 U	7.6 U	32 U
Di-n-butylphthalate	8,100	4.7 U	4.6 U	19 U
Fluoranthene	50,000	4.9 U	4.8 U	470 J
Pyrene	50,000	6.3 U	6.2 U	830 J
Butylbenzylphthalate	50,000	12 U	12 U	49 U
3,3-Dichlorobenzidine	NA	56 U	56 U	240 U
Benzo(a)anthracene	224 or MDL	5.3 U	5.2 U	***310*** J
Chrysene	400	11 U	11 U	360 J
bis(2-Ethylhexyl)phthalate	50,000	60 J	57 J	210 J

Summary of Semi-Volatile Organic Compounds in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-7

Sample ID		SB40-4.04.5	SB40A-3.54.0	B56-34
Units		ug/Kg	ug/Kg	ug/Kg
Semi-Volatile Organic Compounds	TAGM RSCO			
Di-n-octyl phthalate	50,000	8.4 U	8.3 U	35 U
Benzo(b)fluoranthene	1,100	19 U	18 U	460 J
Benzo(k)fluoranthene	1,100	12 U	12 U	270 J
Benzo(a)pyrene	61 or MDL	6.0 U	6.0 U	***330*** J
Indeno(1,2,3-cd)pyrene	3,200	8.5 U	8.4 U	35 U
Dibenz(a,h)anthracene	14 or MDL	10 U	10 U	43 R
Benzo(g,h,i)perylene	50,000	15 U	15 U	160 J
Total Confident Conc. SVOC	500,000	188	57	10,520
Carcinogenic SVOCs in BaP Equivalents		0	0	413.3

Summary of Semi-Volatile Organic Compounds in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-7

Sample ID Units Semi-Volatile Organic Compounds	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detection (%)	Number of TAGM Exceedances	Frequency of Exceedances (%)	Minimum Reported Concentration	Maximum Reported Concentration
Benzaldehyde	NC	27	0	0.0%	0	0.0%	<34	<1,900
Phenol	30 or MDL	27	0	0.0%	0	0.0%	<14	<810
bis(2-Chloroethyl)ether	NC	27	0	0.0%	0	0.0%	<17	<950
2-Chlorophenol	800	27	0	0.0%	0	0.0%	<15	<840
2-Methylphenol	100 or MDL	27	0	0.0%	0	0.0%	<22	<1,200
2,2-oxybis(1-Chloropropane)	NC	27	0	0.0%	0	0.0%	<19	<1,000
Acetophenone	NC	27	3	11.1%	0	0.0%	<18	<1,200
3+4-Methylphenols	900	27	0	0.0%	0	0.0%	<16	<890
N-Nitroso-di-n-propylamine	NC	27	0	0.0%	0	0.0%	<15	<850
Hexachloroethane	NC	27	0	0.0%	0	0.0%	<17	<920
Nitrobenzene	200 or MDL	27	0	0.0%	0	0.0%	<18	<980
Isophorone	4,400	27	0	0.0%	0	0.0%	<13	<720
2-Nitrophenol	330 or MDL	27	0	0.0%	0	0.0%	<14	<780
2,4-Dimethylphenol	NC	27	0	0.0%	0	0.0%	<19	<1,000
bis(2-Chloroethoxy)methane	NC	27	0	0.0%	0	0.0%	<16	<880
2,4-Dichlorophenol	400	27	0	0.0%	0	0.0%	<12	<680
Naphthalene	13,000	27	18	66.7%	1	3.7%	<7.5	21,000
4-Chloroaniline	220 or MDL	27	0	0.0%	0	0.0%	<130	<7,200
Hexachlorobutadiene	NC	27	0	0.0%	0	0.0%	<12	<680
Caprolatam	NC	27	0	0.0%	0	0.0%	<13	<710
4-Chloro-3-methylphenol	240 or MDL	27	0	0.0%	0	0.0%	<10	<570
2-Methylnaphthalene	36,400	27	16	59.3%	0	0.0%	<6.0	4,700
Hexachlorocyclopentadiene	NC	27	0	0.0%	0	0.0%	<8.7	<490
2,4,6-Trichlorophenol	NC	27	0	0.0%	0	0.0%	<13	<700
2,4,5-Trichlorophenol	100	27	0	0.0%	0	0.0%	<23	<1,300
1,1-Biphenyl	NC	27	1	3.7%	0	0.0%	<10	<570
2-Chloronaphthalene	NC	27	0	0.0%	0	0.0%	<7.2	<400
2-Nitroaniline	430 or MDL	27	0	0.0%	0	0.0%	<13	<700
Dimethylphthalate	2,000	27	0	0.0%	0	0.0%	<8.3	<460

Summary of Semi-Volatile Organic Compounds in Soil Borings from Saint Emeric's Property
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Table 5-7

Sample ID Units Semi-Volatile Organic Compounds	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detection (%)	Number of TAGM Exceedances	Frequency of Exceedances (%)	Minimum Reported Concentration	Maximum Reported Concentration
Acenaphthylene	41,000	27	5	18.5%	0	0.0%	<10	<580
2,6-Dinitrotoluene	1,000	27	0	0.0%	0	0.0%	<15	<820
3-Nitroaniline	500 or MDL	27	0	0.0%	0	0.0%	<56	<3,100
Acenaphthene	50,000	27	2	7.4%	0	0.0%	<7.6	<430
2,4-Dinitrophenol	200 or MDL	27	0	0.0%	0	0.0%	<15	<850
4-Nitrophenol	100 or MDL	27	0	0.0%	0	0.0%	<34	<1,900
Dibenzofuran	6,200	27	1	3.7%	0	0.0%	<11	<640
2,4-Dinitrotoluene	1,000	27	0	0.0%	0	0.0%	<6.9	<390
Diethylphthalate	7,100	27	0	0.0%	0	0.0%	<11	<610
4-Chlorophenyl-phenylether	NC	27	0	0.0%	0	0.0%	<8.6	<480
Fluorene	50,000	27	7	25.9%	0	0.0%	<9.8	<550
4-Nitroaniline	NC	27	0	0.0%	0	0.0%	<27	<1,500
4,6-Dinitro-2-methylphenol	NC	27	0	0.0%	0	0.0%	<20	<1,100
N-Nitrosodiphenylamine	NC	27	0	0.0%	0	0.0%	<8.8	<490
4-Bromophenyl-phenylether	NC	27	1	3.7%	0	0.0%	<9.1	<510
Hexachlorobenzene	410	27	0	0.0%	0	0.0%	<6.5	<360
Atrazine	NC	27	0	0.0%	0	0.0%	<11	<590
Pentachlorophenol	1000 or MDL	27	0	0.0%	0	0.0%	<11	<600
Phenanthrene	50,000	27	15	55.6%	0	0.0%	<7.7	2,000
Anthracene	50,000	27	9	33.3%	0	0.0%	<8.3	<460
Carbazole	NC	27	0	0.0%	0	0.0%	<7.6	<430
Di-n-butylphthalate	8,100	27	0	0.0%	0	0.0%	<4.6	<260
Fluoranthene	50,000	27	13	48.1%	0	0.0%	<4.8	3,000
Pyrene	50,000	27	15	55.6%	0	0.0%	<6.2	3,900
Butylbenzylphthalate	50,000	27	2	7.4%	0	0.0%	<12	<650
3,3-Dichlorobenzidine	NA	27	0	0.0%	0	0.0%	<56	<3,100
Benzo(a)anthracene	224 or MDL	27	12	44.4%	9	33.3%	<5.2	1,900
Chrysene	400	27	12	44.4%	4	14.8%	<11	1,700
bis(2-Ethylhexyl)phthalate	50,000	27	16	59.3%	0	0.0%	<8.8	<440

Summary of Semi-Volatile Organic Compounds in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-7

Sample ID Units Semi-Volatile Organic Compounds	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detection (%)	Number of TAGM Exceedances	Frequency of Exceedances (%)	Minimum Reported Concentration	Maximum Reported Concentration
Di-n-octyl phthalate	50,000	27	0	0.0%	0	0.0%	<8.3	<460
Benzo(b)fluoranthene	1,100	27	13	48.1%	3	11.1%	<18	3,000
Benzo(k)fluoranthene	1,100	27	12	44.4%	1	3.7%	<12	1,300
Benzo(a)pyrene	61 or MDL	27	12	44.4%	12	44.4%	<6.0	2,100
Indeno(1,2,3-cd)pyrene	3,200	27	9	33.3%	0	0.0%	<8.4	720
Dibenz(a,h)anthracene	14 or MDL	27	2	7.4%	2	7.4%	<10	<570
Benzo(g,h,i)perylene	50,000	27	11	40.7%	0	0.0%	<15	980
Total Confident Conc. SVOC Carcinogenic SVOCs in BaP Equivalents	500,000							

Summary of Metals in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-8

Sample ID Units RCRA Metals	 TAGM RSCO	SBTT1(5-6) mg/Kg	SBTT1-8.59.0 mg/Kg	SBTT1-1212.5 mg/Kg	SB1-8.08.5 mg/Kg	SB1-1616.5 mg/Kg	SB1-24.525 mg/Kg
Arsenic	12	7.490 J	3.160 J	0.735 J	4.990 J	4.290 J	1.420
Barium	600	146	112	35.0	31.3	46.2	148
Cadmium	1	***3.650*** J	***1.240*** J	0.562 J	0.912 J	0.506 J	0.855
Chromium	40	14.2 J	13.5 J	11.2 J	8.670 J	15.3 J	33.9
Lead	500	***778***	***748***	221	44.4	31.1	10.6
Mercury	0.1	***1.0*** J	***0.21*** J	0.05 J	***0.89*** J	0.08 J	0.01 U
Selenium	3.9	2.460 J	2.310	1.790 J	***5.070*** J	3.370 J	2.200
Silver	SB	0.450 J	0.225 J	0.120 U	1.100 J	0.202 J	0.132 U

Summary of Metals in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-8

Sample ID Units RCRA Metals	TAGM RSCO	B2-79 mg/Kg	B2-1517 mg/Kg	B2-1921 mg/Kg	SB3-2.53.0 mg/Kg	SB3-910 mg/Kg	SB3-1314 mg/Kg	SB3-3839 mg/Kg
Arsenic	12	2.350	1.95	2.010	8.600 J	1.410 J	3.730 J	0.394 J
Barium	600	47.2	54.0	232	203	36.0	82.3	23.7 J
Cadmium	1	0.930	0.472 J	***3.410***	0.825 J	0.049 U	0.057 U	0.058 U
Chromium	40	13.0	18.2	***52.7***	8.590 J	12.6 J	18.7 J	6.710
Lead	500	48.4 J	15.8 J	13.2 J	433	3.830	146	2.640
Mercury	0.1	0.08 J	0.03 J	0.02 J	***0.32*** J	0.01 UJ	***0.17*** UJ	0.01 U
Selenium	3.9	1.030 J	1.270	1.540 J	2.130	0.586 J	1.290	0.396 U
Silver	SB	0.112 U	0.124 U	0.137 U	0.129 U	0.112 UJ	0.130 UJ	0.133 U

Summary of Metals in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-8

Sample ID Units RCRA Metals	 TAGM RSCO	SB24-0102 mg/Kg	SB24-0202.5 mg/Kg	SB24(6.57) mg/Kg	SB24-0911 mg/Kg	SB24(1010.5) mg/Kg
Arsenic	12	***66.9***	***20.6***	9.510 J	1.500 J	7.200 J
Barium	600	***2510***	547	176	38.3	207
Cadmium	1	***43.1***	***19.7***	***2.470*** J	0.054 U	***2.710*** J
Chromium	40	***120***	30.8	15.3 J	10.9 J	21.7 J
Lead	500	***21400***	***3850***	***934***	25.6	***1060***
Mercury	0.1	***0.62***	***1.1***	***0.48*** J	0.07 J	***0.27*** J
Selenium	3.9	***4.610*** J	2.090 J	***3.940*** J	1.550	2.490 J
Silver	SB	0.145 U	0.128 U	0.121 U	0.124 UJ	0.125 U

Summary of Metals in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-8

Sample ID Units RCRA Metals	TAGM RSCO	SB25-1010.5 mg/Kg	SB25-16.5-17 mg/Kg	SB25-22.523.0 mg/Kg	SB26-11.011.5 mg/Kg	SB26-2527 mg/Kg	SB26-3739 mg/Kg
Arsenic	12	4.090 J	1.480 J	0.766 J	4.430 J	2.350 J	0.530 J
Barium	600	55.3 J	42.0 J	111 J	64.0	96.3	21.9 J
Cadmium	1	0.905 J	0.702 J	0.699 J	0.053 U	0.063 U	0.054 U
Chromium	40	11.8 J	13.2 J	24.3	18.9 J	26.0 J	8.570 J
Lead	500	***533***	68.4	10.4	89.6	9.120	3.270
Mercury	0.1	***0.52***	***0.19***	0.01	***0.15*** J	0.02 J	0.01 J
Selenium	3.9	1.910 J	1.340 J	0.496 J	0.988 J	1.180 J	0.396 J
Silver	SB	0.134 U	0.260 J	0.135 U	0.121 UJ	3.910 J	0.123 UJ

Summary of Metals in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-8

Sample ID Units RCRA Metals	TAGM RSCO	SB40-4.04.5 mg/Kg	SB40A-3.54.0 mg/Kg	B56-34 mg/Kg
Arsenic	12	0.254 U	0.666 J	3.650
Barium	600	23.7	41.4	76.2
Cadmium	1	0.049 U	0.049 U	0.742
Chromium	40	7.190 J	14.6 J	9.200
Lead	500	8.350	5.640	198 J
Mercury	0.1	0.01 UJ	0.01 UJ	***0.25*** J
Selenium	3.9	1.430 J	1.590 J	0.678 J
Silver	SB	0.113 U	0.111 U	0.116 U

Summary of Metals in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-8

Sample ID Units RCRA Metals	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detection (%)	Number of TAGM Exceedances	Frequency of Exceedances (%)	Minimum Reported Concentration	Maximum Reported Concentration
Arsenic	12	27	26	100%	2	7%	0.394	66.9
Barium	600	27	27	100%	1	4%	21.9	2,510
Cadmium	1	27	18	67%	7	26%	<0.049	43.1
Chromium	40	27	27	100%	2	7%	6.71	120
Lead	500	27	27	100%	7	26%	3.27	21,400
Mercury	0.1	27	21	81%	12	44%	<0.01	1.1
Selenium	3.9	27	26	96%	3	11%	0.396	5.070
Silver	SB	27	6	37%	0	0%	<0.112	3.910

Summary of PCBs in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-9

Sample ID Units PCBs (ug/Kg)	 TAGM RSCO	SBTT1(5-6) ug/Kg	SBTT1-8.59.0 ug/Kg	SBTT1-1212.5 ug/Kg	SB1-8.08.5 ug/Kg	SB1-1616.5 ug/Kg	SB1-24.525 ug/Kg
Aroclor-1016	10,000	6.1 U	5.9 U	6.0 U	6.5 U	6.0 U	6.4 U
Aroclor-1221	10,000	4.1 U	4.0 U	4.1 U	4.4 U	4.1 U	4.4 U
Aroclor-1232	10,000	2.8 U	2.7 U	2.8 U	3.0 U	2.8 U	3.0 U
Aroclor-1242	10,000	3.6 U	3.5 U	3.5 U	3.8 U	3.5 U	3.8 U
Aroclor-1248	10,000	4.2 U	4.2 U	4.2 U	4.5 U	4.2 U	4.5 U
Aroclor-1254	10,000	1.6 U	1.5 U	1.5 U	1.7 U	1.5 U	1.7 U
Aroclor-1260	10,000	3.4 U	3.3 U	3.4 U	3.7 U	3.4 U	3.6 U

Summary of PCBs in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-9

Sample ID Units PCBs (ug/Kg)	 TAGM RSCO	B2-79 ug/Kg	B2-1517 ug/Kg	B2-1921 ug/Kg	SB3-2.53.0 ug/Kg	SB3-910 ug/Kg	SB3-1314 ug/Kg	SB3-3839 ug/Kg
Aroclor-1016	10,000	5.5 U	6.1 U	6.7 U	6.4 U	5.5 U	6.5 U	6.5 U
Aroclor-1221	10,000	3.8 U	4.1 U	4.5 U	4.4 U	3.8 U	4.4 U	4.4 U
Aroclor-1232	10,000	2.5 U	2.8 U	3.1 U	3.0 U	2.5 U	3.0 U	3.0 U
Aroclor-1242	10,000	3.3 U	3.6 U	4.0 U	3.8 U	3.3 U	3.9 U	3.9 U
Aroclor-1248	10,000	3.9 U	4.3 U	4.7 U	4.5 U	3.9 U	4.6 U	4.6 U
Aroclor-1254	10,000	1.4 U	1.6 U	1.7 U	1.7 U	1.4 U	1.7 U	1.7 U
Aroclor-1260	10,000	3.1 U	3.4 U	3.8 U	3.6 U	3.1 U	3.7 U	3.7 U

Summary of PCBs in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-9

Sample ID Units PCBs (ug/Kg)	 TAGM RSCO	SB24-0102 ug/Kg	SB24-0202.5 ug/Kg	SB24(6.57) ug/Kg	SB24-0911 ug/Kg	SB24(1010.5) ug/Kg
Aroclor-1016	10,000	7.1 UJ	6.2 U	6.0 U	6.1 U	6.1 U
Aroclor-1221	10,000	4.9 UJ	4.3 U	4.1 U	4.1 U	4.2 U
Aroclor-1232	10,000	3.3 UJ	2.9 U	2.8 U	2.8 U	2.8 U
Aroclor-1242	10,000	4.2 UJ	3.7 U	3.5 U	3.6 U	3.6 U
Aroclor-1248	10,000	5.0 UJ	4.4 U	4.2 U	4.3 U	4.3 U
Aroclor-1254	10,000	1.8 UJ	1.6 U	1.5 U	1.6 U	1.6 U
Aroclor-1260	10,000	170 J	72 J	3.4 U	3.4 U	3.5 U

Summary of PCBs in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-9

Sample ID Units PCBs (ug/Kg)	 TAGM RSCO	SB25-1010.5 ug/Kg	SB25-16.5-17 ug/Kg	SB25-22.523.0 ug/Kg	SB26-11.011.5 ug/Kg	SB26-2527 ug/Kg	SB26-3739 ug/Kg
Aroclor-1016	10,000	6.6 U	7.1 U	6.6 U	6.0 U	7.1 U	6.1 U
Aroclor-1221	10,000	4.5 U	4.8 U	4.5 U	4.1 U	4.8 U	4.1 U
Aroclor-1232	10,000	3.0 U	3.3 U	3.1 U	2.8 U	3.3 U	2.8 U
Aroclor-1242	10,000	3.9 U	4.2 U	3.9 U	3.5 U	4.2 U	3.6 U
Aroclor-1248	10,000	4.6 U	5.0 U	4.6 U	4.2 U	5.0 U	4.3 U
Aroclor-1254	10,000	1.7 U	1.8 U	1.7 U	1.5 U	1.8 U	1.6 U
Aroclor-1260	10,000	3.7 U	4.0 U	3.7 U	3.4 U	4.0 U	3.4 U

Qualifiers

Summary of PCBs in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-9

Sample ID Units PCBs (ug/Kg)	 TAGM RSCO	SB40-4.04.5 ug/Kg	SB40A-3.54.0 ug/Kg	B56-34 ug/Kg
Aroclor-1016	10,000	5.6 U	5.4 U	5.7 U
Aroclor-1221	10,000	3.8 U	3.7 U	3.9 U
Aroclor-1232	10,000	2.6 U	2.5 U	2.6 U
Aroclor-1242	10,000	3.3 U	3.2 U	3.4 U
Aroclor-1248	10,000	3.9 U	3.8 U	4.0 U
Aroclor-1254	10,000	1.4 U	1.4 U	1.5 U
Aroclor-1260	10,000	3.2 U	19	3.2 U

Summary of PCBs in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-9

Sample ID Units PCBs (ug/Kg)	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detection (%)	Number of TAGM Exceedances	Frequency of Exceedances (%)	Minimum Reported Concentration	Maximum Reported Concentration
Aroclor-1016	10,000	28	0	0%	0	0%	<5.4	<7.1
Aroclor-1221	10,000	28	0	0%	0	0%	<3.7	<4.8
Aroclor-1232	10,000	28	0	0%	0	0%	<2.5	<3.3
Aroclor-1242	10,000	28	0	0%	0	0%	<3.2	<4.2
Aroclor-1248	10,000	28	0	0%	0	0%	<3.8	<5.0
Aroclor-1254	10,000	28	0	0%	0	0%	<1.4	<1.8
Aroclor-1260	10,000	28	3	11%	0	0%	<3.1	170

Summary of Cyanide in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-10

Sample ID Units	TAGM RSCO	SBTT1(5-6) mg/Kg	SBTT1-8.59.0 mg/Kg	SBTT1-1212.5 mg/Kg	SB1-8.08.5 mg/Kg	SB1-1616.5 mg/Kg	SB1-24.525 mg/Kg
Cyanide	NC	0.828	0.576	0.643	4.080	0.986	0.629 U

Summary of Cyanide in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-10

Sample ID Units	TAGM RSCO	B2-79 mg/Kg	B2-1517 mg/Kg	B2-1921 mg/Kg	SB3-2.53.0 mg/Kg	SB3-910 mg/Kg	SB3-1314 mg/Kg	SB3-3839 mg/Kg
Cyanide	NC	0.534 U	0.588 U	0.654 U	6.080 J	0.535 U	0.63 U	0.632 U

Summary of Cyanide in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-10

Sample ID Units	TAGM RSCO	SB24-0102 mg/Kg	SB24-0202.5 mg/Kg	SB24(6.57) mg/Kg	SB24-0911 mg/Kg	SB24(1010.5) mg/Kg
Cyanide	NC	77	16	1.730	0.596 U	4.070

Summary of Cyanide in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-10

Sample ID Units	TAGM RSCO	SB25-1010.5 mg/Kg	SB25-16.5-17 mg/Kg	SB25-22.523.0 mg/Kg	SB26-11.011.5 mg/Kg	SB26-2527 mg/Kg	SB26-3739 mg/Kg
Cyanide	NC	2.940	0.684 U	0.643 U	0.581 U	0.682 U	0.586 U

Summary of Cyanide in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-10

Sample ID Units	TAGM RSCO	SB40-4.04.5 mg/Kg	SB40A-3.54.0 mg/Kg	B56-34 mg/Kg
Cyanide	NC	0.536 U	0.530 U	5.560

Summary of Cyanide in Soil Borings from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-10

Sample ID Units	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detection (%)	Number of TAGM Exceedances	Frequency of Exceedances (%)	Minimum Reported Concentration	Maximum Reported Concentration
Cyanide	NC	27	12	44%	0	0%	<0.530	77

Summary of Volatile Organic Compounds in Exploratory Test Pit Trenches from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-11

Sample ID Units Volatile Organic Compounds	TAGM RSCO	TT1-3 ug/Kg	TT2-OUT-3 ug/Kg	TT2-IN-3 ug/Kg	TT11-01 ug/Kg	TT-11-23 ug/Kg	TT11-34 ug/Kg
Dichlorodifluoromethane	NC	18 U	1.5 U	1.4 U	1.5 U	1.4 U	1.4 U
Chloromethane	NC	4.8 U	0.39 U	0.38 U	0.39 U	0.38 U	0.38 U
Vinyl Chloride	200	3.4 U	0.28 U	0.27 U	0.28 U	0.27 U	0.27 U
Bromomethane	NC	10 U	0.84 U	0.80 U	0.84 U	0.80 U	0.80 U
Chloroethane	1,900	7.6 U	0.62 U	0.60 U	0.62 U	0.60 U	0.60 U
Trichlorofluoromethane	NC	36 U	2.9 U	2.8 U	2.9 U	2.8 U	2.8 U
1,1,2-Trichlorotrifluoroethane	6,000	6.7 U	0.55 U	0.52 U	0.55 U	0.52 U	0.52 U
1,1-Dichloroethene	400	3.1 U	0.26 U	0.24 U	0.26 U	0.24 U	0.24 U
Acetone	200	***1400*** J	8.9 R	8.5 R	8.9 R	8.5 R	8.5 U
Carbon Disulfide	2,700	880 J	0.12 U	0.11 U	0.12 U	0.11 U	0.11 U
Methyl tert-butyl Ether	120	3.3 U	0.27 U	0.26 U	0.27 U	0.26 U	0.26 U
Methyl Acetate	NC	18 U	1.5 U	1.4 U	1.5 U	1.4 U	1.4 U
Methylene Chloride	100	9.9 U	5.3 J	2.9 J	0.81 U	0.77 U	0.77 U
trans-1,2-Dichloroethene	300	5.4 U	0.44 U	0.42 U	0.44 U	0.42 U	0.42 U
1,1-Dichloroethane	200	5.1 U	0.42 U	0.40 U	0.42 U	0.40 U	0.40 U
Cyclohexane	NC	4.4 U	0.36 U	0.35 U	0.36 U	0.35 U	0.35 U
2-Butanone	300	33 U	2.7 R	2.6 R	2.7 R	2.6 R	2.6 U
Carbon Tetrachloride	600	4.3 U	0.35 U	0.34 U	0.35 U	0.34 U	0.34 U
cis-1,2-Dichloroethene	NC	5.1 U	0.42 U	0.40 U	0.42 U	0.40 U	0.40 U
Chloroform	300	3.4 U	0.28 U	0.27 U	0.28 U	0.27 U	0.27 U
1,1,1-Trichloroethane	800	3.9 U	0.32 U	0.31 U	0.32 U	0.31 U	0.31 U
Methylcyclohexane	NC	120 J	0.42 U	0.40 U	0.42 U	0.40 U	0.40 U
Benzene	60	***210*** J	0.24 UJ	0.23 UJ	0.24 UJ	0.23 UJ	0.23 UJ
1,2-Dichloroethane	200	45 U	3.7 U	3.5 U	3.7 U	3.5 U	3.5 U
Trichloroethene	700	4.6 U	0.38 U	0.36 U	0.38 U	0.36 U	0.36 U
1,2-Dichloropropane	NC	4.9 U	0.40 U	0.38 U	0.40 U	0.38 U	0.38 U
Bromodichloromethane	NC	4.8 U	0.40 U	0.38 U	0.40 U	0.38 U	0.38 U
4-Methyl-2-Pentanone	1,000	35 U	2.9 U	2.7 U	2.9 U	2.7 U	2.7 U
Toluene	1,500	1200 J	0.31 U	0.29 U	0.31 U	0.29 U	0.29 U
t-1,3-Dichloropropene	NC	3.7 U	0.30 U	0.29 U	0.30 U	0.29 U	0.29 U

Summary of Volatile Organic Compounds in Exploratory Test Pit Trenches from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-11

Sample ID Units Volatile Organic Compounds	TAGM RSCO	TT1-3 ug/Kg	TT2-OUT-3 ug/Kg	TT2-IN-3 ug/Kg	TT11-01 ug/Kg	TT-11-23 ug/Kg	TT11-34 ug/Kg
cis-1,3-Dichloropropene	NC	2.8 U	0.23 U	0.22 U	0.23 U	0.22 U	0.22 U
1,1,2-Trichloroethane	NC	7.3 U	0.60 U	0.57 U	0.60 U	0.57 U	0.57 U
2-Hexanone	NC	46 U	3.8 U	3.6 U	3.8 U	3.6 U	3.6 U
Dibromochloromethane	NA	4.2 U	0.35 U	0.33 U	0.35 U	0.33 U	0.33 U
1,2-Dibromoethane	NC	6.0 U	0.50 U	0.47 U	0.50 U	0.47 U	0.47 U
Tetrachloroethene	1,400	9.2 U	0.76 U	0.72 U	0.76 U	0.72 U	0.72 U
Chlorobenzene	1,700	5.1 U	0.42 U	0.40 U	0.42 U	0.40 U	0.40 U
Ethyl Benzene	5,500	650 J	0.30 U	0.28 U	0.30 U	0.28 U	0.28 U
m/p-Xylenes	1,200	***9300*** D	0.61 U	0.58 U	0.61 U	0.58 U	0.58 U
o-Xylene	600	***8800*** D	0.51 U	0.49 U	0.51 U	0.49 U	0.49 U
Styrene	NC	350 J	0.37 U	0.36 U	0.37 U	0.36 U	0.36 U
Bromoform	NC	4.3 U	0.36 U	0.34 U	0.36 U	0.34 U	0.34 U
Isopropylbenzene	2,300	1600 J	0.44 U	0.42 U	0.44 U	0.42 U	0.42 U
1,1,2,2-Tetrachloroethane	600	7.7 U	0.63 U	0.60 U	0.63 U	0.60 U	0.60 U
1,3-Dichlorobenzene	1,600	3.1 U	0.25 U	0.24 U	0.25 U	0.24 U	0.24 U
1,4-Dichlorobenzene	8,500	5.1 U	0.42 U	0.40 U	0.42 U	0.40 U	0.40 U
1,2-Dichlorobenzene	7,900	5.9 U	0.49 U	0.46 U	0.49 U	0.46 U	0.46 U
1,2-Dibromo-3-Chloropropane	NC	9.8 U	0.81 U	0.77 U	0.81 U	0.77 U	0.77 U
1,2,4-Trichlorobenzene	3,400	3.6 U	0.30 U	0.28 U	0.30 U	0.28 U	0.28 U
Total Confident Conc. VOC	10,000	***24,510***	5.3	2.9	0	0	0

Summary of Volatile Organic Compounds in Exploratory Test Pit Trenches from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-11

Sample ID Units Volatile Organic Compounds	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detection	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
Dichlorodifluoromethane	NC	6	0	0.0%	0	0.0%	<1.4	<18
Chloromethane	NC	6	0	0.0%	0	0.0%	<0.38	<4.8
Vinyl Chloride	200	6	0	0.0%	0	0.0%	<0.27	<3.4
Bromomethane	NC	6	0	0.0%	0	0.0%	<0.80	<10
Chloroethane	1,900	6	0	0.0%	0	0.0%	<0.60	<7.6
Trichlorofluoromethane	NC	6	0	0.0%	0	0.0%	<2.8	<36
1,1,2-Trichlorotrifluoroethane	6,000	6	0	0.0%	0	0.0%	<0.52	<6.7
1,1-Dichloroethene	400	6	0	0.0%	0	0.0%	<0.24	<3.1
Acetone	200	6	1	16.7%	1	16.7%	<8.5	1,400
Carbon Disulfide	2,700	6	1	16.7%	0	0.0%	<0.11	880
Methyl tert-butyl Ether	120	6	0	0.0%	0	0.0%	<0.26	<3.3
Methyl Acetate	NC	6	0	0.0%	0	0.0%	<1.4	<18
Methylene Chloride	100	6	2	33.3%	0	0.0%	<0.77	<9.9
trans-1,2-Dichloroethene	300	6	0	0.0%	0	0.0%	<0.42	<5.4
1,1-Dichloroethane	200	6	0	0.0%	0	0.0%	<0.40	<5.1
Cyclohexane	NC	6	0	0.0%	0	0.0%	<0.35	<4.4
2-Butanone	300	6	0	0.0%	0	0.0%	<2.6	<33
Carbon Tetrachloride	600	6	0	0.0%	0	0.0%	<0.34	<4.3
cis-1,2-Dichloroethene	NC	6	0	0.0%	0	0.0%	<0.40	<5.1
Chloroform	300	6	0	0.0%	0	0.0%	<0.27	<3.4
1,1,1-Trichloroethane	800	6	0	0.0%	0	0.0%	<0.31	<3.9
Methylcyclohexane	NC	6	1	16.7%	0	0.0%	<0.40	120
Benzene	60	6	1	16.7%	1	16.7%	<0.23	210
1,2-Dichloroethane	200	6	0	0.0%	0	0.0%	<3.5	<45
Trichloroethene	700	6	0	0.0%	0	0.0%	<0.36	<4.6
1,2-Dichloropropane	NC	6	0	0.0%	0	0.0%	<0.38	<4.9
Bromodichloromethane	NC	6	0	0.0%	0	0.0%	<0.38	<4.8
4-Methyl-2-Pentanone	1,000	6	0	0.0%	0	0.0%	<2.7	<35
Toluene	1,500	6	2	33.3%	0	0.0%	<0.29	1,200
t-1,3-Dichloropropene	NC	6	0	0.0%	0	0.0%	<0.29	<3.7

Summary of Volatile Organic Compounds in Exploratory Test Pit Trenches from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-11

Sample ID Units Volatile Organic Compounds	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detection	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
cis-1,3-Dichloropropene	NC	6	0	0.0%	0	0.0%	<0.22	<2.8
1,1,2-Trichloroethane	NC	6	0	0.0%	0	0.0%	<0.57	<7.3
2-Hexanone	NC	6	0	0.0%	0	0.0%	<3.6	<46
Dibromochloromethane	NA	6	0	0.0%	0	0.0%	<0.33	<4.2
1,2-Dibromoethane	NC	6	0	0.0%	0	0.0%	<0.47	<6.0
Tetrachloroethene	1,400	6	0	0.0%	0	0.0%	<0.72	<9.2
Chlorobenzene	1,700	6	0	0.0%	0	0.0%	<0.40	<5.1
Ethyl Benzene	5,500	6	2	33.3%	0	0.0%	<0.28	650
m/p-Xylenes	1,200	6	2	33.3%	1	16.7%	<0.58	9,300
o-Xylene	600	6	2	33.3%	1	16.7%	<0.49	8,800
Styrene	NC	6	2	33.3%	0	0.0%	<0.36	350
Bromoform	NC	6	0	0.0%	0	0.0%	<0.34	<4.3
Isopropylbenzene	2,300	6	2	33.3%	0	0.0%	<0.42	1,600
1,1,2,2-Tetrachloroethane	600	6	0	0.0%	0	0.0%	<0.60	<7.7
1,3-Dichlorobenzene	1,600	6	0	0.0%	0	0.0%	<0.24	<3.1
1,4-Dichlorobenzene	8,500	6	0	0.0%	0	0.0%	<0.40	<5.1
1,2-Dichlorobenzene	7,900	6	0	0.0%	0	0.0%	<0.46	<5.9
1,2-Dibromo-3-Chloropropane	NC	6	0	0.0%	0	0.0%	<0.77	<9.8
1,2,4-Trichlorobenzene	3,400	6	0	0.0%	0	0.0%	<0.28	<3.6
Total Confident Conc. VOC	10,000							

Summary of Semi-Volatile Organic Compounds in Exploratory Test Pit Trenches from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-12

Sample ID		TT1-3	TT2-OUT-3	TT2-IN-3	TT11-01	TT-11-23	TT11-34
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semi-Volatile Organic Compounds	TAGM RSCO						
Benzaldehyde	NC	470 U	76 U	73 U	76 U	36 U	37 U
Phenol	30 or MDL	200 U	32 U	31 U	32 U	16 U	16 U
bis(2-Chloroethyl)ether	NC	230 U	38 U	37 U	38 U	18 U	18 U
2-Chlorophenol	800	210 U	34 U	32 U	34 U	16 U	16 U
2-Methylphenol	100 or MDL	300 U	49 U	47 U	49 U	24 U	24 U
2,2-oxybis(1-Chloropropane)	NC	260 U	42 U	40 U	42 U	20 U	20 U
Acetophenone	NC	250 U	41 U	39 U	41 U	19 U	20 U
3+4-Methylphenols	900	220 U	36 U	34 U	36 U	17 U	17 U
N-Nitroso-di-n-propylamine	NC	210 U	34 U	33 U	34 U	16 U	17 U
Hexachloroethane	NC	230 U	37 U	36 U	37 U	18 U	18 U
Nitrobenzene	200 or MDL	240 U	39 U	38 U	39 U	19 U	19 U
Isophorone	4,400	180 U	29 U	28 U	29 U	14 U	14 U
2-Nitrophenol	330 or MDL	190 U	31 U	30 U	31 U	15 U	15 U
2,4-Dimethylphenol	NC	260 U	42 U	40 U	42 U	20 U	20 U
bis(2-Chloroethoxy)methane	NC	220 U	35 U	34 U	35 U	17 U	17 U
2,4-Dichlorophenol	400	170 U	27 U	26 U	27 U	13 U	13 U
Naphthalene	13,000	***270000*** D	1900	220 J	460 J	81 J	8.2 U
4-Chloroaniline	220 or MDL	1800 U	290 U	280 U	290 U	140 U	140 U
Hexachlorobutadiene	NC	170 U	27 U	26 U	27 U	13 U	13 U
Caprolatam	NC	180 U	29 U	27 U	29 U	14 U	14 U
4-Chloro-3-methylphenol	240 or MDL	140 U	23 U	22 U	23 U	11 U	11 U
2-Methylnaphthalene	36,400	***150000*** D	1100	96 J	190 J	62 J	6.5 U
Hexachlorocyclopentadiene	NC	120 R	20 R	19 R	19 R	9.3 R	9.4 R
2,4,6-Trichlorophenol	NC	170 U	28 U	27 U	28 U	14 U	14 U
2,4,5-Trichlorophenol	100	320 U	51 U	49 U	51 U	25 U	25 U
1,1-Biphenyl	NC	8700	120 J	22 U	23 U	11 U	11 U
2-Chloronaphthalene	NC	99 U	16 U	16 U	16 U	7.8 U	7.8 U
2-Nitroaniline	430 or MDL	170 U	28 U	27 U	28 U	14 U	14 U
Dimethylphthalate	2,000	110 U	19 U	18 U	19 U	8.9 U	9.0 U
Acenaphthylene	41,000	140 U	1100	120 J	370 J	110 J	11 U

Summary of Semi-Volatile Organic Compounds in Exploratory Test Pit Trenches from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-12

Sample ID		TT1-3	TT2-OUT-3	TT2-IN-3	TT11-01	TT-11-23	TT11-34
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semi-Volatile Organic Compounds	TAGM RSCO						
2,6-Dinitrotoluene	1,000	200 U	33 U	32 U	33 U	16 U	16 U
3-Nitroaniline	500 or MDL	770 U	130 U	120 U	130 U	60 U	61 U
Acenaphthene	50,000	2300 J	110 J	110 J	120 J	8.2 U	8.3 U
2,4-Dinitrophenol	200 or MDL	210 UJ	34 UJ	33 UJ	34 UJ	16 UJ	17 UJ
4-Nitrophenol	100 or MDL	460 U	76 U	73 U	76 U	36 U	37 U
Dibenzofuran	6,200	4700 J	110 J	25 U	90 J	12 U	12 U
2,4-Dinitrotoluene	1,000	95 U	16 U	15 U	15 U	7.4 U	7.5 U
Diethylphthalate	7,100	150 U	24 U	23 U	24 U	12 U	12 U
4-Chlorophenyl-phenylether	NC	120 U	19 U	18 U	19 U	9.2 U	9.3 U
Fluorene	50,000	5700	220 J	75 J	150 J	62 J	11 U
4-Nitroaniline	NC	370 U	61 U	58 U	61 U	29 U	29 U
4,6-Dinitro-2-methylphenol	NC	280 UJ	45 UJ	43 UJ	45 UJ	22 UJ	22 UJ
N-Nitrosodiphenylamine	NC	120 U	20 U	19 U	20 U	9.5 U	9.5 U
4-Bromophenyl-phenylether	NC	130 U	20 U	20 U	20 U	9.8 U	9.9 U
Hexachlorobenzene	410	89 U	15 U	14 U	15 U	7.0 U	7.0 U
Atrazine	NC	150 U	24 U	23 U	24 U	11 U	11 U
Pentachlorophenol	1000 or MDL	150 U	24 U	23 U	24 U	12 U	12 U
Phenanthrene	50,000	5400	1300	980	1400	590	42 J
Anthracene	50,000	1300 J	470 J	310 J	450 J	92 J	9.0 U
Carbazole	NC	110 U	98 J	100 J	150 J	8.2 U	8.3 U
Di-n-butylphthalate	8,100	63 U	10 U	9.9 U	10 U	5.0 U	5.0 U
Fluoranthene	50,000	3800 J	3400	2700	3000	670	82 J
Pyrene	50,000	4700 J	4200	2900	3300	880	93 J
Butylbenzylphthalate	50,000	160 U	26 U	25 U	26 U	12 U	13 U
3,3-Dichlorobenzidine	NA	760 U	120 U	120 U	120 U	60 U	60 U
Benzo(a)anthracene	224 or MDL	***1600*** J	***2900***	***1700***	***2200***	***410***	53 J
Chrysene	400	***1800*** J	***2600***	***1500***	***2100***	***450***	60 J
bis(2-Ethylhexyl)phthalate	50,000	110 U	18 U	17 U	130 J	160 J	8.6 U
Di-n-octyl phthalate	50,000	110 U	19 U	18 U	19 U	8.9 U	9.0 U
Benzo(b)fluoranthene	1,100	***1500*** J	***3700***	***2000***	***2200***	280 J	49 J

Summary of Semi-Volatile Organic Compounds in Exploratory Test Pit Trenches from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-12

Sample ID Units Semi-Volatile Organic Compounds	TAGM RSCO	TT1-3 ug/Kg	TT2-OUT-3 ug/Kg	TT2-IN-3 ug/Kg	TT11-01 ug/Kg	TT-11-23 ug/Kg	TT11-34 ug/Kg
Benzo(k)fluoranthene	1,100	***1700*** J	***2200*** J	880 J	***2000*** J	330 J	66 J
Benzo(a)pyrene	61 or MDL	***1600*** J	***3300***	***1600***	***2200***	***340*** J	***63*** J
Indeno(1,2,3-cd)pyrene	3,200	500 J	1200 J	560 J	870 J	170 J	46 J
Dibenz(a,h)anthracene	14 or MDL	140 U	***200*** J	***94*** J	***130*** J	***40*** J	11 U
Benzo(g,h,i)perylene	50,000	750 J	1800	730 J	1100	200 J	64 J
Total Confident Conc. SVOC	500,000	466,050	32,028	16,675	22,610	4,927	618
Carcinogenic SVOCs in BaP Equivalents		1,995	4,328	2,143.8	2,898	473.8	79.06

Summary of Semi-Volatile Organic Compounds in Exploratory Test Pit Trenches from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-12

Sample ID Units Semi-Volatile Organic Compounds	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detection	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
Benzaldehyde	NC	6	0	0.0%	0	0.0%	<36	<470
Phenol	30 or MDL	6	0	0.0%	0	0.0%	<16	<200
bis(2-Chloroethyl)ether	NC	6	0	0.0%	0	0.0%	<18	<230
2-Chlorophenol	800	6	0	0.0%	0	0.0%	<16	<210
2-Methylphenol	100 or MDL	6	0	0.0%	0	0.0%	<24	<300
2,2-oxybis(1-Chloropropane)	NC	6	0	0.0%	0	0.0%	<20	<260
Acetophenone	NC	6	0	0.0%	0	0.0%	<19	<250
3+4-Methylphenols	900	6	0	0.0%	0	0.0%	<17	<220
N-Nitroso-di-n-propylamine	NC	6	0	0.0%	0	0.0%	<16	<210
Hexachloroethane	NC	6	0	0.0%	0	0.0%	<18	<230
Nitrobenzene	200 or MDL	6	0	0.0%	0	0.0%	<19	<240
Isophorone	4,400	6	0	0.0%	0	0.0%	<14	<180
2-Nitrophenol	330 or MDL	6	0	0.0%	0	0.0%	<15	<190
2,4-Dimethylphenol	NC	6	0	0.0%	0	0.0%	<20	<260
bis(2-Chloroethoxy)methane	NC	6	0	0.0%	0	0.0%	<17	<220
2,4-Dichlorophenol	400	6	0	0.0%	0	0.0%	<13	<170
Naphthalene	13,000	6	5	100.0%	1	16.7%	<8.2	270,000
4-Chloroaniline	220 or MDL	6	0	0.0%	0	0.0%	<140	<1,800
Hexachlorobutadiene	NC	6	0	0.0%	0	0.0%	<13	<170
Caprolatam	NC	6	0	0.0%	0	0.0%	<14	<180
4-Chloro-3-methylphenol	240 or MDL	6	0	0.0%	0	0.0%	<11	<140
2-Methylnaphthalene	36,400	6	5	100.0%	1	16.7%	26.5	150,000
Hexachlorocyclopentadiene	NC	6	0	0.0%	0	0.0%	-	-
2,4,6-Trichlorophenol	NC	6	0	0.0%	0	0.0%	<14	<170
2,4,5-Trichlorophenol	100	6	0	0.0%	0	0.0%	<25	<320
1,1-Biphenyl	NC	6	2	33.3%	0	0.0%	<11	8,700
2-Chloronaphthalene	NC	6	0	0.0%	0	0.0%	<7.8	<99
2-Nitroaniline	430 or MDL	6	0	0.0%	0	0.0%	<14	<170
Dimethylphthalate	2,000	6	0	0.0%	0	0.0%	<8.9	<110
Acenaphthylene	41,000	6	4	66.7%	0	0.0%	<11	1,100

Summary of Semi-Volatile Organic Compounds in Exploratory Test Pit Trenches from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-12

Sample ID Units Semi-Volatile Organic Compounds	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detection	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
2,6-Dinitrotoluene	1,000	6	0	0.0%	0	0.0%	<16	<200
3-Nitroaniline	500 or MDL	6	0	0.0%	0	0.0%	<60	<770
Acenaphthene	50,000	6	4	66.7%	0	0.0%	<8.2	2,300
2,4-Dinitrophenol	200 or MDL	6	0	0.0%	0	0.0%	<16	<210
4-Nitrophenol	100 or MDL	6	0	0.0%	0	0.0%	<36	<460
Dibenzofuran	6,200	6	3	66.7%	0	0.0%	<12	4,700
2,4-Dinitrotoluene	1,000	6	0	0.0%	0	0.0%	<7.4	<95
Diethylphthalate	7,100	6	0	0.0%	0	0.0%	<12	<150
4-Chlorophenyl-phenylether	NC	6	0	0.0%	0	0.0%	<9.2	<120
Fluorene	50,000	6	5	100.0%	0	0.0%	<11	5,700
4-Nitroaniline	NC	6	0	0.0%	0	0.0%	<29	<370
4,6-Dinitro-2-methylphenol	NC	6	0	0.0%	0	0.0%	<22	<280
N-Nitrosodiphenylamine	NC	6	0	0.0%	0	0.0%	<9.5	<120
4-Bromophenyl-phenylether	NC	6	0	0.0%	0	0.0%	<9.8	<130
Hexachlorobenzene	410	6	0	0.0%	0	0.0%	<7.0	<89
Atrazine	NC	6	0	0.0%	0	0.0%	<11	<150
Pentachlorophenol	1000 or MDL	6	0	0.0%	0	0.0%	<12	<150
Phenanthrene	50,000	6	6	116.7%	0	0.0%	<42	5,400
Anthracene	50,000	6	5	83.3%	0	0.0%	<9.0	1,300
Carbazole	NC	6	3	50.0%	0	0.0%	<8.2	150
Di-n-butylphthalate	8,100	6	0	0.0%	0	0.0%	<5.0	<63
Fluoranthene	50,000	6	6	100.0%	0	0.0%	82	3,800
Pyrene	50,000	6	6	100.0%	0	0.0%	93	4,700
Butylbenzylphthalate	50,000	6	0	0.0%	0	0.0%	<12	<160
3,3-Dichlorobenzidine	NA	6	0	0.0%	0	0.0%	<60	<760
Benzo(a)anthracene	224 or MDL	6	6	100.0%	5	83.3%	53	2,900
Chrysene	400	6	6	100.0%	5	83.3%	60	2,600
bis(2-Ethylhexyl)phthalate	50,000	6	2	33.3%	0	0.0%	<8.6	160
Di-n-octyl phthalate	50,000	6	0	0.0%	0	0.0%	<8.9	<110
Benzo(b)fluoranthene	1,100	6	6	100.0%	4	66.7%	49	3,700

Summary of Semi-Volatile Organic Compounds in Exploratory Test Pit Trenches from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-12

Sample ID Units Semi-Volatile Organic Compounds	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detection	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
Benzo(k)fluoranthene	1,100	6	6	100.0%	3	50.0%	66	2,200
Benzo(a)pyrene	61 or MDL	6	6	100.0%	6	100.0%	63	3,300
Indeno(1,2,3-cd)pyrene	3,200	6	6	100.0%	0	0.0%	46	1,200
Dibenz(a,h)anthracene	14 or MDL	6	4	66.7%	4	66.7%	<11	200
Benzo(g,h,i)perylene	50,000	6	6	100.0%	0	0.0%	64	1,800
Total Confident Conc. SVOC Carcinogenic SVOCs in BaP Equivalents	500,000							

Summary of Metals in Exploratory Test Pit Trenches from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-13

Sample ID Units RCRA Metals	TAGM RSCO	TT1-3 mg/Kg	TT2-OUT-3 mg/Kg	TT2-IN-3 mg/Kg	TT11-01 mg/Kg	TT-11-23 mg/Kg	TT11-34 mg/Kg
Arsenic	12	***103*** J	***23.3*** J	***14.7*** J	***27.7*** J	8.010 J	6.010 J
Barium	600	***2410***	184	135	259	62.9	63.8
Cadmium	1	***62.5*** J	0.103 J	0.053 U	0.053 U	0.052 U	0.052 U
Chromium	40	***188*** J	19.8 J	13.3 J	22.6 J	17.2 J	12.1 J
Lead	500	***32700***	***1740***	478	***3100***	217	175
Mercury	0.1	***0.46*** J	***0.84*** J	***0.78*** J	***2.3*** J	***0.52*** J	***0.92*** J
Selenium	3.9	***13.1***	1.710	1.060 J	3.290	2.600	2.690
Silver	SB	14.5 J	0.125 UJ	0.120 UJ	5.140 UJ	0.244 J	0.119 UJ

Summary of Metals in Exploratory Test Pit Trenches from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-13

Sample ID Units RCRA Metals	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detection	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
Arsenic	12	6	6	100%	4	67%	6.010	103
Barium	600	6	6	100%	1	17%	62.9	2,410
Cadmium	1	6	2	33%	1	17%	<0.052	62.5
Chromium	40	6	6	100%	1	17%	12.1	188
Lead	500	6	6	100%	3	50%	175	32,700
Mercury	0.1	6	6	100%	6	100%	0.46	2.3
Selenium	3.9	6	6	100%	1	17%	1.060	13.1
Silver	SB	6	2	50%	0	0%	<0.119	14.5

Summary of PCBs in Exploratory Test Pit Trenches from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-14

Sample ID Units PCBs	TAGM RSCO	TT1-3 ug/Kg	SBTT1-1212.5 ug/Kg	TT2-OUT-3 ug/Kg	TT2-IN-3 ug/Kg	TT11-01 ug/Kg	TT-11-23 ug/Kg	TT11-34 ug/Kg
	10,000	7.5 U	6.0 U	6.1 U	5.8 U	6.1 U	5.9 U	5.9 U
Aroclor-1221	10,000	5.1 U	4.1 U	4.1 U	4.0 U	4.1 U	4.0 U	4.0 U
Aroclor-1232	10,000	3.5 U	2.8 U	2.8 U	2.7 U	2.8 U	2.7 U	2.7 U
Aroclor-1242	10,000	4.5 U	3.5 U	3.6 U	3.5 U	3.6 U	3.5 U	3.5 U
Aroclor-1248	10,000	5.3 U	4.2 U	4.3 U	4.1 U	4.3 U	4.1 U	4.1 U
Aroclor-1254	10,000	1.9 U	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U
Aroclor-1260	10,000	4.2 U	3.4 U	3.4 U	3.3 U	3.4 U	3.3 U	3.3 U

Summary of PCBs in Exploratory Test Pit Trenches from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-14

Sample ID Units PCBs	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detection	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
	10,000	7	0	0%	0	0%	<5.8	<7.5
Aroclor-1221	10,000	7	0	0%	0	0%	<4.0	<5.1
Aroclor-1232	10,000	7	0	0%	0	0%	<2.7	<3.5
Aroclor-1242	10,000	7	0	0%	0	0%	<3.5	<4.5
Aroclor-1248	10,000	7	0	0%	0	0%	<4.1	<5.3
Aroclor-1254	10,000	7	0	0%	0	0%	<1.5	<1.9
Aroclor-1260	10,000	7	0	0%	0	0%	<3.3	<4.2

Summary of Cyanide in Exploratory Test Pit Trenches from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-15

Sample ID Units	TAGM RSCO	TT1-3 mg/Kg	TT2-OUT-3 mg/Kg	TT2-IN-3 mg/Kg	TT11-01 mg/Kg	TT-11-23 mg/Kg	TT11-34 mg/Kg
Cyanide	NC	270	1.610	0.120 U	5.450	0.567 U	0.571

Summary of Cyanide in Exploratory Test Pit Trenches from Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-15

Sample ID Units	TAGM RSCO	Number of Samples	Number of Detections	Frequency of Detection	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
Cyanide	NC	6	4	67%	0	0%	<0.12	270

Summary of Volatile Organic Compounds in Groundwater at the Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-16

Sample ID Units Volatile Organic Compounds	 TOGS Class GA	MW1 ug/L	MW6 ug/L
Dichlorodifluoromethane	5	0.33 U	0.33 U
Chloromethane	5	0.68 U	0.68 U
Vinyl Chloride	2	0.27 U	0.27 U
Bromomethane	5	0.78 U	0.78 U
Chloroethane	5	0.88 U	0.88 U
Trichlorofluoromethane	5	0.58 U	0.58 U
1,1,2-Trichlorotrifluoroethane	NA	0.69 U	0.69 U
1,1-Dichloroethene	5	0.32 U	0.32 U
Acetone	50	3.3 U	3.3 U
Carbon Disulfide	NA	0.39 U	0.39 U
Methyl tert-butyl Ether	10	0.36 U	0.36 U
Methyl Acetate	NA	0.83 U	0.83 U
Methylene Chloride	5	0.62 U	0.62 U
trans-1,2-Dichloroethene	5	0.51 U	0.51 U
1,1-Dichloroethane	5	0.22 U	0.22 U
Cyclohexane	NA	0.37 U	0.37 U
2-Butanone	NA	2.8 U	2.8 U
Carbon Tetrachloride	5	0.47 U	0.47 U
cis-1,2-Dichloroethene	5	0.77 U	0.77 U
Chloroform	7	0.58 U	0.58 U
1,1,1-Trichloroethane	5	0.41 U	0.41 U
Methylcyclohexane	NA	2.9 J	0.58 U
Benzene	1	***140***	0.24 U
1,2-Dichloroethane	1	0.32 U	0.32 U
Trichloroethene	5	0.67 U	0.67 U
1,2-Dichloropropane	1	0.63 U	0.63 U
Bromodichloromethane	50	0.35 U	0.35 U
4-Methyl-2-Pentanone	NA	1.3 U	1.3 U
Toluene	5	***6.4***	1.5 J

Summary of Volatile Organic Compounds in Groundwater at the Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-16

Sample ID Units Volatile Organic Compounds	TOGS Class GA	MW1 ug/L	MW6 ug/L
t-1,3-Dichloropropene	0	0.42 U	0.42 U
cis-1,3-Dichloropropene	0	0.15 U	0.15 U
1,1,2-Trichloroethane	5	0.52 U	0.52 U
2-Hexanone	50	0.66 U	0.66 U
Dibromochloromethane	50	0.38 U	0.38 U
1,2-Dibromoethane	NA	0.63 U	0.63 U
Tetrachloroethene	5	0.33 U	0.33 U
Chlorobenzene	5	0.37 U	0.37 U
Ethyl Benzene	5	***160*** D	0.41 U
m/p-Xylenes	5	***81***	1.1 J
o-Xylene	5	***36***	0.37 U
Styrene	5	0.34 U	0.34 U
Bromoform	50	0.25 U	0.25 U
Isopropylbenzene	5	***54***	0.33 U
1,1,2,2-Tetrachloroethane	5	0.50 U	0.50 U
1,3-Dichlorobenzene	3	0.37 U	0.37 U
1,4-Dichlorobenzene	3	0.39 U	0.39 U
1,2-Dichlorobenzene	3	0.37 U	0.37 U
1,2-Dibromo-3-Chloropropane	0	0.94 U	0.94 U
1,2,4-Trichlorobenzene	5	0.29 U	0.29 U
Total Confident Conc. VOC		480.3	2.6

Summary of Volatile Organic Compounds in Groundwater at the Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-16

Sample ID Units Volatile Organic Compounds	TOGS Class GA	Number of Samples	Number of Detections	Frequency of Detection	Number of TOGS Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
Dichlorodifluoromethane	5	2	0	0%	0	0%	<0.33	<0.33
Chloromethane	5	2	0	0%	0	0%	<0.688	<0.688
Vinyl Chloride	2	2	0	0%	0	0%	<0.27	<0.27
Bromomethane	5	2	0	0%	0	0%	<0.78	<0.78
Chloroethane	5	2	0	0%	0	0%	<0.88	<0.88
Trichlorofluoromethane	5	2	0	0%	0	0%	<0.58	<0.58
1,1,2-Trichlorotrifluoroethane	NA	2	0	0%	0	0%	<0.69	<0.69
1,1-Dichloroethene	5	2	0	0%	0	0%	<0.32	<0.32
Acetone	50	2	0	0%	0	0%	<3.3	<3.3
Carbon Disulfide	NA	2	0	0%	0	0%	<0.39	<0.39
Methyl tert-butyl Ether	10	2	0	0%	0	0%	<0.36	<0.36
Methyl Acetate	NA	2	0	0%	0	0%	<0.83	<0.83
Methylene Chloride	5	2	0	0%	0	0%	<0.62	<0.62
trans-1,2-Dichloroethene	5	2	0	0%	0	0%	<0.51	<0.51
1,1-Dichloroethane	5	2	0	0%	0	0%	<0.22	<0.22
Cyclohexane	NA	2	0	0%	0	0%	<0.37	<0.37
2-Butanone	NA	2	0	0%	0	0%	<2.8	<2.8
Carbon Tetrachloride	5	2	0	0%	0	0%	<0.47	<0.47
cis-1,2-Dichloroethene	5	2	0	0%	0	0%	<0.77	<0.77
Chloroform	7	2	0	0%	0	0%	<0.58	<0.58
1,1,1-Trichloroethane	5	2	0	0%	0	0%	<0.41	<0.41
Methylcyclohexane	NA	2	1	50%	0	0%	<0.58	2.9
Benzene	1	2	1	50%	1	50%	<0.24	140
1,2-Dichloroethane	1	2	0	0%	0	0%	<0.32	<0.32
Trichloroethene	5	2	0	0%	0	0%	<0.67	<0.67
1,2-Dichloropropane	1	2	0	0%	0	0%	<0.63	<0.63
Bromodichloromethane	50	2	0	0%	0	0%	<0.35	<0.35
4-Methyl-2-Pentanone	NA	2	0	0%	0	0%	<1.3	<1.3
Toluene	5	2	2	100%	1	50%	<1.5	6.4

Summary of Volatile Organic Compounds in Groundwater at the Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-16

Sample ID Units Volatile Organic Compounds	TOGS Class GA	Number of Samples	Number of Detections	Frequency of Detection	Number of TOGS Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
t-1,3-Dichloropropene	0	2	0	0%	0	0%	<0.42	<0.42
cis-1,3-Dichloropropene	0	2	0	0%	0	0%	<0.15	<0.15
1,1,2-Trichloroethane	5	2	0	0%	0	0%	<0.52	<0.52
2-Hexanone	50	2	0	0%	0	0%	<0.66	<0.66
Dibromochloromethane	50	2	0	0%	0	0%	<0.38	<0.38
1,2-Dibromoethane	NA	2	0	0%	0	0%	<0.63	<0.63
Tetrachloroethene	5	2	0	0%	0	0%	<0.33	<0.33
Chlorobenzene	5	2	0	0%	0	0%	<0.37	<0.37
Ethyl Benzene	5	2	1	50%	1	50%	<0.41	160
m/p-Xylenes	5	2	2	100%	1	50%	<1.1	81
o-Xylene	5	2	1	50%	1	50%	<0.37	36
Styrene	5	2	0	0%	0	0%	<0.34	<0.34
Bromoform	50	2	0	0%	0	0%	<0.25	<0.25
Isopropylbenzene	5	2	1	50%	1	50%	<0.33	54
1,1,2,2-Tetrachloroethane	5	2	0	0%	0	0%	<0.50	<0.50
1,3-Dichlorobenzene	3	2	0	0%	0	0%	<0.37	<0.37
1,4-Dichlorobenzene	3	2	0	0%	0	0%	<0.39	<0.39
1,2-Dichlorobenzene	3	2	0	0%	0	0%	<0.37	<0.37
1,2-Dibromo-3-Chloropropane	0	2	0	0%	0	0%	<0.94	<0.94
1,2,4-Trichlorobenzene	5	2	0	0%	0	0%	<0.29	<0.29
Total Confident Conc. VOC								

Summary of Semi-Volatile Organic Compounds in Groundwater at the Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-17

Sample ID Units Semi-Volatile Organic Compounds	TOGS Class GA	MW1 ug/L	MW6 ug/L
Benzaldehyde	NA	1.7 U	1.7 U
Phenol	1	0.430 U	0.430 U
bis(2-Chloroethyl)ether	1	0.330 U	0.330 U
2-Chlorophenol	NA	0.730 U	0.730 U
2-Methylphenol	NA	1.1 U	1.1 U
2,2-oxybis(1-Chloropropane)		0.840 U	0.830 U
Acetophenone	NA	0.560 U	0.550 U
3+4-Methylphenols	NA	1.1 U	1.1 U
N-Nitroso-di-n-propylamine	NA	0.770 U	0.770 U
Hexachloroethane	5	0.920 U	0.910 U
Nitrobenzene	0.4	0.380 U	0.380 U
Isophorone	50	0.480 U	0.480 U
2-Nitrophenol	NA	0.270 U	0.270 U
2,4-Dimethylphenol	50	0.470 U	0.460 U
bis(2-Chloroethoxy)methane	5	0.450 U	0.440 U
2,4-Dichlorophenol	5	0.290 U	0.290 U
Naphthalene	10	0.270 U	0.270 U
4-Chloroaniline	5	4.1 U	4.1 U
Hexachlorobutadiene	0.5	0.380 U	0.380 U
Caprolactam	NA	0.510 U	0.510 U
4-Chloro-3-methylphenol	NA	0.300 U	0.300 U
2-Methylnaphthalene	NA	8.1 J	0.500 U
Hexachlorocyclopentadiene	5	0.460 U	0.450 U
2,4,6-Trichlorophenol	NA	0.290 U	0.280 U
2,4,5-Trichlorophenol	NA	0.590 U	0.580 U
1,1-Biphenyl	5	3.4 J	0.270 U
2-Chloronaphthalene	10	0.390 U	0.390 U
2-Nitroaniline	5	0.300 U	0.300 U
Dimethylphthalate	50	0.260 U	0.260 U

Summary of Semi-Volatile Organic Compounds in Groundwater at the Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-17

Sample ID Units Semi-Volatile Organic Compounds	TOGS Class GA	MW1 ug/L	MW6 ug/L
Acenaphthylene	NA	0.440 U	0.430 U
2,6-Dinitrotoluene	5	0.420 U	0.410 U
3-Nitroaniline	5	1.1 U	1.0 U
Acenaphthene	20	5.3 J	0.240 U
2,4-Dinitrophenol	10	0.190 U	0.190 U
4-Nitrophenol	NA	0.950 U	0.940 U
Dibenzofuran	NA	1.1 J	0.310 U
2,4-Dinitrotoluene	5	0.340 U	0.340 U
Diethylphthalate	50	0.340 U	0.340 U
4-Chlorophenyl-phenylether	NA	0.370 U	0.360 U
Fluorene	50	4.1 J	0.170 U
4-Nitroaniline	5	0.840 U	0.830 U
4,6-Dinitro-2-methylphenol	NA	1.5 U	1.4 U
N-Nitrosodiphenylamine	50	0.280 U	0.280 U
4-Bromophenyl-phenylether	NA	0.170 U	0.170 U
Hexachlorobenzene	0.04	0.230 U	0.230 U
Atrazine	7.5	0.480 U	0.480 U
Pentachlorophenol	1	0.390 U	0.390 U
Phenanthrene	50	4.4 J	0.270 U
Anthracene	50	1.1 J	0.160 U
Carbazole	NA	1.8 J	0.310 U
Di-n-butylphthalate	50	0.099 U	0.098 U
Fluoranthene	50	0.210 U	0.210 U
Pyrene	50	0.250 U	0.250 U
Butylbenzylphthalate	5	0.300 U	0.300 U
3,3-Dichlorobenzidine	5	1.6 U	1.6 U
Benzo(a)anthracene	0.002	0.230 U	0.220 U
Chrysene	0.002	0.390 U	0.380 U
bis(2-Ethylhexyl)phthalate	5	0.350 U	0.340 U

Summary of Semi-Volatile Organic Compounds in Groundwater at the Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-17

Sample ID Units Semi-Volatile Organic Compounds	TOGS Class GA	MW1 ug/L	MW6 ug/L
Di-n-octyl phthalate	NA	0.170 U	0.170 U
Benzo(b)fluoranthene	0.002	0.230 U	0.230 U
Benzo(k)fluoranthene	0.002	0.390 U	0.380 U
Benzo(a)pyrene	ND	0.450 U	0.450 U
Indeno(1,2,3-cd)pyrene	0.002	0.290 U	0.290 U
Dibenz(a,h)anthracene	NA	0.290 U	0.290 U
Benzo(g,h,i)perylene	NA	0.430 U	0.420 U
Total Confident Conc. SVOC	NA	29.3	0

Summary of Semi-Volatile Organic Compounds in Groundwater at the Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-17

Sample ID Units Semi-Volatile Organic Compounds	TOGS Class GA	Number of Samples	Number of Detections	Frequency of Detection	Number of TOGS Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
Benzaldehyde	NA	2	0	0%	0	0%	<1.7	<1.7
Phenol	1	2	0	0%	0	0%	<0.430	<0.430
bis(2-Chloroethyl)ether	1	2	0	0%	0	0%	<0.330	<0.330
2-Chlorophenol	NA	2	0	0%	0	0%	<0.730	<0.730
2-Methylphenol	NA	2	0	0%	0	0%	<1.1	<1.1
2,2-oxybis(1-Chloropropane)		2	0	0%	0	0%	<0.830	<0.840
Acetophenone	NA	2	0	0%	0	0%	<0.550	<0.560
3+4-Methylphenols	NA	2	0	0%	0	0%	<1.1	<1.1
N-Nitroso-di-n-propylamine	NA	2	0	0%	0	0%	<0.770	<0.770
Hexachloroethane	5	2	0	0%	0	0%	<0.910	<0.920
Nitrobenzene	0.4	2	0	0%	0	0%	<0.380	<0.380
Isophorone	50	2	0	0%	0	0%	<0.480	<0.480
2-Nitrophenol	NA	2	0	0%	0	0%	<0.270	<0.270
2,4-Dimethylphenol	50	2	0	0%	0	0%	<0.460	<0.470
bis(2-Chloroethoxy)methane	5	2	0	0%	0	0%	<0.440	<0.450
2,4-Dichlorophenol	5	2	0	0%	0	0%	<0.290	<0.290
Naphthalene	10	2	0	0%	0	0%	<0.270	<0.270
4-Chloroaniline	5	2	0	0%	0	0%	<4.1	<4.1
Hexachlorobutadiene	0.5	2	0	0%	0	0%	<0.380	<0.380
Caprolactam	NA	2	0	0%	0	0%	<0.510	<0.510
4-Chloro-3-methylphenol	NA	2	0	0%	0	0%	<0.300	<0.300
2-Methylnaphthalene	NA	2	1	50%	0	0%	<0.50	8.1
Hexachlorocyclopentadiene	5	2	0	0%	0	0%	<0.450	<0.460
2,4,6-Trichlorophenol	NA	2	0	0%	0	0%	<0.280	<0.290
2,4,5-Trichlorophenol	NA	2	0	0%	0	0%	<0.580	<0.590
1,1-Biphenyl	5	2	1	50%	0	0%	<0.27	3.4
2-Chloronaphthalene	10	2	0	0%	0	0%	<0.390	<0.390
2-Nitroaniline	5	2	0	0%	0	0%	<0.3000	<0.3000
Dimethylphthalate	50	2	0	0%	0	0%	<0.260	<0.260

Summary of Semi-Volatile Organic Compounds in Groundwater at the Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-17

Sample ID Units Semi-Volatile Organic Compounds	TOGS Class GA	Number of Samples	Number of Detections	Frequency of Detection	Number of TOGS Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
Acenaphthylene	NA	2	0	0%	0	0%	<0.430	<0.440
2,6-Dinitrotoluene	5	2	0	0%	0	0%	<0.410	<0.420
3-Nitroaniline	5	2	0	0%	0	0%	<1.0	<1.1
Acenaphthene	20	2	1	50%	0	0%	<0.24	5.3
2,4-Dinitrophenol	10	2	0	0%	0	0%	<0.190	<0.190
4-Nitrophenol	NA	2	0	0%	0	0%	<0.940	<0.950
Dibenzofuran	NA	2	1	50%	0	0%	<0.31	1.1
2,4-Dinitrotoluene	5	2	0	0%	0	0%	<0.340	<0.340
Diethylphthalate	50	2	0	0%	0	0%	<0.340	<0.340
4-Chlorophenyl-phenylether	NA	2	0	0%	0	0%	<0.360	<0.370
Fluorene	50	2	1	50%	0	0%	<0.17	4.1
4-Nitroaniline	5	2	0	0%	0	0%	<0.830	<0.840
4,6-Dinitro-2-methylphenol	NA	2	0	0%	0	0%	<1.4	<1.5
N-Nitrosodiphenylamine	50	2	0	0%	0	0%	<0.280	<0.280
4-Bromophenyl-phenylether	NA	2	0	0%	0	0%	<0.170	<0.170
Hexachlorobenzene	0.04	2	0	0%	0	0%	<0.230	<0.230
Atrazine	7.5	2	0	0%	0	0%	<0.480	<0.480
Pentachlorophenol	1	2	0	0%	0	0%	<0.390	<0.390
Phenanthrene	50	2	1	50%	0	0%	<0.270	4.4
Anthracene	50	2	1	50%	0	0%	<0.160	1.1
Carbazole	NA	2	1	50%	0	0%	<0.310	1.8
Di-n-butylphthalate	50	2	0	0%	0	0%	<0.098	<0.099
Fluoranthene	50	2	0	0%	0	0%	<0.210	<0.210
Pyrene	50	2	0	0%	0	0%	<0.250	<0.250
Butylbenzylphthalate	5	2	0	0%	0	0%	<0.300	<0.300
3,3-Dichlorobenzidine	5	2	0	0%	0	0%	<1.6	<1.6
Benzo(a)anthracene	0.002	2	0	0%	0	0%	<0.220	<0.230
Chrysene	0.002	2	0	0%	0	0%	<0.380	<0.390
bis(2-Ethylhexyl)phthalate	5	2	0	0%	0	0%	<0.340	<0.350

Summary of Semi-Volatile Organic Compounds in Groundwater at the Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-17

Sample ID Units Semi-Volatile Organic Compounds	TOGS Class GA	Number of Samples	Number of Detections	Frequency of Detection	Number of TOGS Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
Di-n-octyl phthalate	NA	2	0	0%	0	0%	<0.170	<0.170
Benzo(b)fluoranthene	0.002	2	0	0%	0	0%	<0.230	<0.230
Benzo(k)fluoranthene	0.002	2	0	0%	0	0%	<0.380	<0.390
Benzo(a)pyrene	ND	2	0	0%	0	0%	<0.450	<0.450
Indeno(1,2,3-cd)pyrene	0.002	2	0	0%	0	0%	<0.290	<0.290
Dibenz(a,h)anthracene	NA	2	0	0%	0	0%	<0.290	<0.290
Benzo(g,h,i)perylene	NA	2	0	0%	0	0%	<0.420	<0.430
Total Confident Conc. SVOC	NA							

Summary of Metals in Groundwater at the Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-18

Sample ID		MW1	MW6
Units		ug/L	ug/L
RCRA Metals	TOGS Class GA		
Arsenic	25	5.820 J	4.840 U
Barium	1,000	96.0 J	94.8 J
Cadmium	5	0.994 U	0.994 U
Chromium	50	10.8	6.640 J
Lead	25	***89.2***	1.790 U
Mercury	0.7	0.3800	0.0300 U
Selenium	10	5.240 U	5.240 U
Silver	50	3.380 U	3.380 U

Summary of Metals in Groundwater at the Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-18

Sample ID Units RCRA Metals	TOGS Class GA	Number of Samples	Number of Detections	Frequency of Detection	Number of TOGS Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
Arsenic	25	2	1	50%	0	0%	<4.840	5.82
Barium	1,000	2	2	100%	0	0%	94.8	96.0
Cadmium	5	2	0	0%	0	0%	<0.994	<0.994
Chromium	50	2	2	100%	0	0%	6.64	10.8
Lead	25	2	1	50%	1	50%	<1.790	89.2
Mercury	0.7	2	1	50%	0	0%	<0.0300	0.3800
Selenium	10	2	0	0%	0	0%	<5.240	<5.240
Silver	50	2	0	0%	0	0%	<3.380	<3.380

Summary of PCBs in Groundwater at the Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-19

Sample ID Units COMPOUND	TOGS Class GA	MW1 ug/L	MW6 ug/L
Aroclor-1016	NA	0.130 U	0.130 U
Aroclor-1221	NA	0.050 U	0.050 U
Aroclor-1232	NA	0.050 U	0.050 U
Aroclor-1242	NA	0.140 U	0.140 U
Aroclor-1248	NA	0.060 U	0.060 U
Aroclor-1254	NA	0.030 U	0.030 U
Aroclor-1260	NA	0.0640 U	0.0630 U

Summary of PCBs in Groundwater at the Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-19

Sample ID Units COMPOUND	TOGS Class GA	Number of Samples	Number of Detections	Frequency of Detection	Number of TOGS Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
Aroclor-1016	NA	2	0	0%	0	0%	<0.130	<0.130
Aroclor-1221	NA	2	0	0%	0	0%	<0.050	<0.050
Aroclor-1232	NA	2	0	0%	0	0%	<0.050	<0.050
Aroclor-1242	NA	2	0	0%	0	0%	<0.140	<0.140
Aroclor-1248	NA	2	0	0%	0	0%	<0.060	<0.060
Aroclor-1254	NA	2	0	0%	0	0%	<0.030	<0.030
Aroclor-1260	NA	2	0	0%	0	0%	<0.063	<0.064

Summary of Total and Amenable Cyanide in Groundwater at the Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-20

Sample ID Units COMPOUND	TOGS Class GA	MW1 mg/L	MW6 mg/L
Cyanide	200	0.063	0.010 U
Cyanide-Amenable	NA	0.06	0.010 U

Summary of Total and Amenable Cyanide in Groundwater at the Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 5-20

Sample ID Units COMPOUND	TOGS Class GA	Number of Samples	Number of Detections	Frequency of Detection	Number of TAGM Exceedances	Frequency of Exceedances	Minimum Reported Concentration	Maximum Reported Concentration
Cyanide	200	2	1	50%	0	0%	<0.010	0.063
Cyanide-Amenable	NA	2	1	50%	0	0%	<0.010	0.06

Monitoring Well Construction Details and Groundwater Elevations
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 6-1

Monitoring Well Location	Ground Elevation (ft MSL)	Elevation of Top of Well (ft MSL)	Depth to Water (ftbtoc)	Groundwater Elevation (ft MSL)	Total Well Depth (ft MSL)	Screen Interval (ft MSL)	Sump Interval (ft MSL)	Riser Interval (ft MSL)
MW-1	8.495	8.125	8.61	-0.48	-16.875	0.125 to -14.875	-14.875 to -16.875	8.125 to 0.125
MW-2	6.635	6.135	5.37	+0.77	-13.865	3.135 to -11.865	-11.865 to -13.865	6.135 to 3.135
MW-3	6.550	6.305	6.02	+0.29	-13.695	3.305 to -11.695	-11.695 to -13.695	6.305 to 3.305
MW-4	6.365	6.01	6.82	-0.81	-13.99	3.01 to -11.99	-11.99 to -13.99	6.01 to 3.01
MW-5	6.075	5.445	6.48	-1.04	-14.555	2.445 to -12.555	-12.555 to -14.555	5.445 to 2.445
MW-6	7.605	7.215	7.72	-0.51	-9.785	2.215 to -7.785	-7.785 to -9.785	7.215 to 2.215

Note:
Groundwater elevations are based upon the synoptic water level measurements recorded on October 12, 2004 and survey information.
All monitoring wells were constructed with 2.0-inch I.D. PVC riser pipe and screen material with 0.020-inch screen size openings
ft MSL - Feet above or below Mean Sea Level
ftbtoc - Feet below the top of the well casing
ftbg - Feet below grade

Summary of Field Observations/Odors/NAPL in the Northeast Quadrant of Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 6-2

Boring / Well ID	Boring Depth (ft bg)	Depth to GW (ft bg)	Petroleum Odor (ft bg)	MGP-Related Odor (ft bg)	Miscellaneous (ft bg)	Visible OLM (ft bg)	Visible TLM (ft bg)	Rationale for End of Boring
B-6	23'	5'	0.5' - 4'	7' - 23'	-	7' - 23'	19' - 23'	Refusal due to wood timbers
B-8	14'	-	-	10'- 14'	-	10' - 14'	10' - 14'	Refusal mostly likely due to large boulders
B-10	25'	4.5'	-	5' - 15'	-	7' - 13'	-	Clay: 17' - 25'
B-11/MW-3	28'	7'	-	-	1'-2' (Sl naphthalene odor)	6' - 24'	6' - 18'	Clay: 24' - 28'
B-12	23'	7'	-	6' - 24'	-	7' - 9', 15' - 23'	15' - 23'	Refusal
B-34	29'	7'	-	7' - 23'	-	15' - 23'	15' - 23'	Clay: 25' - 25.5'
B-35	7.5'	-	-	-	-	-	-	Refusal due to concrete
B-36	-	-	-	-	-	-	-	Obstruction
B-37	33'	11'	-	7' - 29'	5' - 11' (Strong solvent odor)	17' - 19'	19' - 23'	Clay: 28' - 29.5'
B-41	5.5'	-	-	-	-	-	-	Refusal due to concrete
B-45	33'	9'	-	9' - 33'	-	11' - 33'	17'- 33'	Refusal mostly likely due to large boulders

Summary of Field Observations/Odors/NAPL in the Northwest Quadrant of Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 6-3

Boring / Well ID	Boring Depth (ft bg)	Depth to GW (ft bg)	Petroleum Odor (ft bg)	MGP-Related Odor (ft bg)	Miscellaneous (ft bg)	Visible OLM (ft bg)	Visible TLM (ft bg)	Rationale for End of Boring
B-04	10.5'	5'	-	-	7' - 9' (Solvent odor)	-	-	Refusal due to wood timbers
B-07	17'	5'	-	-	15' - 17' (Sl sulfur odor)	-	-	Refusal due to wood timbers
B-27	13'	10'	-	2' - 3', 10' - 13'	-	-	-	Refusal due to wood timbers
B-28	-	-	-	-	-	-	-	Obstructions
B-32	37'	7'	-	5' - 27'	-	7' - 19', 21' - 25'	11' - 21', 25' - 27'	Clay: 27'-27.6', 31' - 37'
B-33	31'	4'	-	5' - 29.5'	-	7' - 29.5'	19' - 27'	Clay: 29' - 31'

Summary of Field Observations/Odors/NAPL in the Southeast Quadrant of Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 6-4

Boring / Well ID	Boring Depth (ft bg)	Depth to GW (ft bg)	Petroleum Odor (ft bg)	MGP-Related Odor (ft bg)	Miscellaneous (ft bg)	Visible OLM (ft bg)	Visible TLM (ft bg)	Rationale for End of Boring
B-16	21'	9'	3' - 11'	13' - 19'	-	17.0' - 18.2'	-	Clay: 13' - 21'
B-17	22'	7'	-	7' - 18.9'	-	8' - 20'	-	Too much sluff inside augers
B-18	7.5'	-	-	-	7'- 7.5' (Sl solvent odor)	-	-	Refusal due to bricks
B-19	28'	8'	-	12' - 18.5'	8' - 12' (Sl solvent odor)	14' - 18'	14' - 18'	Clay: 18' - 25.6'
B-20	6.5'	-	-	-	-	-	-	Refusal due to concrete
B-21	27'	7'	13' - 23'	-	13' - 15' (Visible product)	-	-	Clay: 17.2' - 21'
B-22	24'	7'	-	8' - 18'	-	8' - 18'	-	Clay: 20' - 20.75'
B-23/MW-5	25'	5'	0.5' - 4'	9' - 21'	-	9' - 15'	19' - 21'	Clay/Silt: 15' - 25'

Summary of Field Observations/Odors/NAPL in the Southwest Quadrant of Jacob Riis
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 6-5

Boring / Well ID	Boring Depth (ft bg)	Depth to GW (ft bg)	Petroleum Odor (ft bg)	MGP-Related Odor (ft bg)	Miscellaneous (ft bg)	Visible OLM (ft bg)	Visible TLM (ft bg)	Rationale for End of Boring
B-5/MW-2	21'	7'	17'-19'	3' - 9.3'	11' - 13' (Sl solvent odor)	3' - 5', 7' - 9'	-	No visible contamination at depth
B-13	10'	7'	-	-	-	-	-	Refusal due to wood timbers
B-14	16'	8'	6' - 14'	-	-	-	-	No visible contamination at depth
B-15	16'	10'	-	8' - 12'	-	-	-	No visible contamination at depth
B-38	18'	8'	-	-	10'-14' (Sl solvent odor) and 10' - 18' (sl sheen)	-	-	No visible MGP-related contamination at depth
B-39/MW-4	21'	7'	-	-	-	-	-	No visible contamination at depth
B-46	10'	7'	-	-	-	-	-	Refusal due to wood timbers

Summary of Field Observations/Odors/NAPL in the Saint Emeric's Property
Former East 11th Street Works
Consolidated Edison Company of New York, Inc.
Table 6-6

oring / Well I	Boring Depth (ft bg)	Depth to GW (ft bg)	Petroleum Odor (ft bg)	MGP-Related Odor (ft bg)	Miscellaneous (ft bg)	Visible OLM (ft bg)	Visible TLM (ft bg)	Rationale for End of Boring
B-1	25'	8.75	-	-	3' - 5' (Sewage odor)	-	-	Clay: 16.3' - 25'
B-2/MW-6	21	9	5 - 7.5 (Gasoline odor)	-	-	-	-	Clay: 16'-21'
B-3	28	7	-	-	13' - 16' (Creosote odor)	-	-	running sands, no clay
B-24A	10.5	9'	-	-	9' - 10.5' (Strong odor)	-	-	Refusal due to wood timbers
B-24B	11'	9'	-	-	-	-	-	Refusal due to wood timbers
B-24C	10.5	9'	-	-	-	-	-	Refusal due to wood timbers
B-25/MW-1	27'	10.5'	-	9'- 21'	-	-	-	No Notes
B-26	39'	9'	-	29'- 31'	15' - 21' (Odor)	-	-	running sands, no clay
B-40	4.5'	-	-	-	-	-	-	Refusal due to concrete
B-40A	4.0'	-	-	-	-	-	-	Refusal due to concrete
B-56	4'	-	3' - 4' (Gasoline odor)	-	-	-	-	Refusal due to concrete
B-TT1	12.5'	8'	-	9' - 12.5'	-	12.5'	-	Refusal due to bricks

BORING No.: B-TT1

SHEET 1 OF 1

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
St. Emeric's Parking Lot			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Victor	Morgan Evans	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
DK 5	4.25" Hollow Stem Auger	8/25/2004	8/25/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	12.5'	8'

WELL CONSTRUCTION	SAMPLES NUMBER	SAMPLES RECOVERY IN FEET	SAMPLES BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
						0.0'-0.5': ASPHALT	
				1		0.5'-5.0': Fill-Dk brown SILT, f to c SAND, GRAVEL and brick fragments.	1'-2': N/O, N/S PID = 0.5 ppm max.
							2'-3': N/O, N/S PID = 0.8 ppm max.
				3		3.0': Decrease in brick fragment contents.	3'-4': N/O, N/S PID = 1.1 ppm max.
							4'-5': N/O, N/S PID = 2.0 ppm max.
				5		5.0': Absence of brick fragments.	
			17			5.0'-7.0': No Recovery	5'-7': N/O, N/S PID = 0.0 ppm max.
	1	0.0'	5			Sample collected: E11STMGP-BTT1-56	
			6				
			5				
			4	7		7.0'-7.1': Fill-F to c SAND and GRAVEL.	7'-9': N/O, N/S PID = 0.2 ppm max.
	2	0.1'	7		▼		
			5				
			3			Sample collected: E11STMGP-BTT1-8.59.0	
			9	9		9.0'-9.2': Fill-Brown and gray SILT, f to c SAND and GRAVEL with brick chunks in shoe of spoon.	9'-11': Sl MGP-related odor PID = 0.3 ppm max.
	3	0.2'	7				
			6				
			13	11		11.0'-11.3': Fill-Brown and gray SILT, f to c SAND and GRAVEL with brick chunks in shoe of spoon.	11'-13': MGP-related odor, N/S, visible OLM
	4	0.3'				Sample collected: E11STMGP-BTT1-1212.5	PID = 189 ppm max.
				13		E.O.B. @ 12.5' bgs (Refusal)	
				15			
				17			

TRC

BORING No.: B-1

SHEET 1 OF 2

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
13th St Southern Sidewalk			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Sean Miller	Morgan Evans	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
CME-LC60	4.25" Hollow Stem Auger	8/27/2004	8/27/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	25'	8.75'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
						0.0'-0.2': Poured CONCRETE/ 0.2'-0.5': GRAVEL subbase.	
				1		0.5'-5.0': Fill-Dk brown SILT, f to c SAND and GRAVEL, brick fragments, glass, asphalt, slag, coal fragments and roots.	0.0'-1': N/O, N/S PID = 0.0 ppm max.
						1.0'-3.0': Whole and half pieces of brick.	1'-3': N/O, N/S PID = 0.0 ppm max.
				3			3'-5': Sl sewage odor, N/S PID = 0.0 ppm max.
				5			
			3			5.0'-6.2': Fill-Brown very f to c SAND, GRAVEL, some silt, ltl cobble, brick fragments, coal fragments and cinders.	5'-7': N/O, N/S
	1	1.2'	2				PID = 0.9 ppm max.
			2				
			7	7			
			9			7.0'-8.4': Fill-Brown very f to c SAND, GRAVEL, some silt, ltl cobble, brick fragments, coal fragments and cinders.	7'-9': Trace non-MGP related odor, N/S
	2	1.4'	10				PID = 0.9 ppm max.
			14			Sample collected: E11STMGP-B01-8.08.5	
			9		▼		
			12	9		9.0'-9.7': Fill-Brown very f to c SAND, GRAVEL, some silt, ltl cobble, brick fragments, coal fragments and cinders.	9'-11': N/O, N/S
	3	1.4'	4				PID = 0.3 ppm max.
			2			9.7'-10.4': Fill-Lt brown SILT, very f to c SAND and ltl gravel.	
			3				
			9	11		11.0'-12.6': Fill-Lt brown SILT, very f to c SAND, ltl gravel.	11'-13': N/O, N/S
	4	1.6'	9				PID = 0.3 ppm max.
			12				
			17				
			8	13		13.0'-13.9': Fill-Lt brown SILT, very f to c SAND, ltl gravel and cobbles.	13'-15': N/O, N/S,
	5	0.9'	8				PID = 0.3 ppm max.
			7				
			13				
			11	15		15.0'-16.3': Fill-Lt brown SILT, very f to c SAND, ltl gravel and cobbles.	15'-17': N/O, N/S
	6	2.0'	8				PID = 0.3 ppm max.
			15			16.3'-17.0: ML-Gray clayey SILT.	
			9			Sample collected: E11STMGP-B01-1616.5	17'-19': N/O, N/S
			9	17		17.0'-19.0': ML-SILT and very f to m SAND grading to clayey SILT.	PID = N/A
	7	2.0'	13				

TRC

BORING No.: B-1

SHEET 2 OF 2

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
13th St Southern Sidewalk			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Sean Miller	Morgan Evans	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
CME-LC60	4.25" Hollow Stem Auger	8/27/2004	8/27/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	25'	8.75'

WELL CONSTRUCTION	SAMPLES NUMBER	SAMPLES RECOVERY IN INCHES	SAMPLES BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
			13				
			17	19			
			1			19.0'-21.0': ML-Gray clayey SILT.	19'-21': N/O, N/S
	8	2.0'	2				PID = 0.2 ppm max.
			5				
			9	21			
			11			21.0'-23.0': ML-Gray clayey SILT.	21'-23': N/O, N/S
	9	2.0'	3				PID = 0.0 ppm max.
			5				
			9	23			
			N/A			23.0'-25.0': ML-Gray clayey SILT.	23'-25': N/O, N/S
	10	2.0'	N/A				PID = 0.0 ppm max.
			N/A			Sample collected: E11STMGP-B01-24.525	
			N/A	25		E.O.B. at 25' bgs	
				27			
				29			
				31			
				33			
				35			

TRC

BORING No.: B-02/MW-6

BORING LOG

SHEET 1 OF 2

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
13th St Southern Sidewalk			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Victor	Jessica Elliott	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
CME LC-60	4.25" Hollow Stem Auger	9/1/2004	9/1/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	21'	9'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
						0.0'-0.5': CONCRETE	
				1		0.5'-1.0': Fill-Dk brown COBBLES, f to c SAND and GRAVEL. 1.0'-2.0': Fill-Dk brown SILT, f to c SAND, some cobbles and tree roots.	1'-2': N/O, N/S PID = 0.5 ppm max.
				3		2.0'-3.0': Fill-Dk brown m to c SAND, some gravel, asphalt and tr brick fragments. 3.0'-5.0': Fill-Lt to dk brown f to c SAND, SILT and tr cobbles.	2'-3': N/O, N/S PID = 0.8 ppm max. 3'-4': N/O, N/S PID = 1.1 ppm max. 4'-5': N/O, N/S PID = 2.0 ppm max.
			5	5		5.0'-5.5': Fill-Black SILT, f to c SAND, some gravel and slag.	5'-5.5': Strong gasoline odor, N/S
	1	1.25'	7 8			5.5'-6.25': Fill-Orangish brown f to c SAND, some silt and tr gravel.	5.5'-7': N/O, N/S PID = 134 ppm max.
			4 3	7		7.0'-7.5': Fill-Black SILT, f to c SAND, some gravel and slag (most likely sluff).	7'-7.5': Strong gasoline odor, black staining, pockets of product
	2	1.0'	6 9			7.5'-8.0': Fill-Tan f to c SAND, some silt and tr gravel. Sample collected: E11STMGP-B02-79	7.5'-9': N/O, N/S PID = 144 ppm max.
			2 8	9	▼	9.0'-11.0': No Recovery.	
	3	0.0'	5 3				
			4 7	11		11.0'-12.25': Fill-Tan f to c SAND, some silt and gravel and chunks of rock.	11'-13': N/O, N/S PID = 0.0 ppm max.
	4	1.5'	7 11			12.25'-12.5': SM-Dk gray SILT, f SAND, some m sand, tr gravel and mica flecks.	
			7 6	13		13.0'-13.4': SM-Lt brown f to m SAND, some silt and c sand and tr gravel.	13'-15': Moderate non-MGP related odor, sheen, N/S
	5	0.4'	8 7				PID = 0.0 ppm max.
			7 7	15		15.0'-16.0': SW-Lt brown f to c SAND, some silt and gravel.	15'-17': Moderate non-MGP related odor, sheen, N/S
	6	1.2'	9 9			Sample collected: E11STMGP-B02-1517 16.0'-16.2': ML-Tan silty CLAY and tr f sand.	PID = 0.0 ppm max.
			8 8	17		17.0'-18.6': ML-Tan silty CLAY and tr f sand.	
	7	1.6'	9				

Sand
Bentonite Chips
Concrete
Well Screen

TRC

BORING No.: B-02/MW-6

BORING LOG

SHEET 2 OF 2

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
13th St Southern Sidewalk			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Victor	Jessica Elliott	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
CME LC-60	4.25" Hollow Stem Auger	9/1/2004	9/1/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	21'	9'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
			11				17'-19': N/O, N/S
			11	19			PID = 0.0 ppm max.
			5			19.0'-20.7': ML-Tan silty CLAY and tr f sand.	
	8	1.7'	4				19'-21': N/O, N/S
			7			Sample collected: E11STMGP-B02-1921	PID = 0.0 ppm max.
			7	21			
						E.O.B. at 21' bgs	
				23			
				25			
				27			
				29			
				31			
				33			
				35		Well set at 17' bgs	
						Screen interval from 5'-15' bgs with a 2' sump from 15' to 17' bgs.	

Sand
Bentonite Chips
Concrete
Well Screen

TRC

BORING No.: B-03

BORING LOG

SHEET 1 OF 3

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
St. Emeric's Parking Lot			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Chris Capabianco	Lisa Wasiowich	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
CME 75	4.25" Hollow Stem Auger	8/18/2004	8/18/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	39'	8'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
				0		0.0'-0.5': ASPHALT	
						0.5'-1.0': Fill-Angular COBBLE, brown very f to c SAND, GRAVEL and ltl to some brick chunks and fragments.	
				1		1.0'-2.7': Fill-Large BRICK chunks and remnants of a brick wall.	
						Sample collected: E11STMGP-B03-2.53.0	
						2.7'-4.0': Large CONCRETE block.	
				3			
				5			
			5			5.0'-5.5': Fill-Brown f to m SAND and some rock (quartz) fragments.	5'-7': N/O, N/S
	1	1.2'	28			5.5'-6.2': Fill-ROCK (quartz) FRAGMENTS and ltl brown f to m sand.	PID = 0.7 ppm max.
			50				
			50/1"	7			
			20			7.0'-7.3': Fill-Brown f to m SAND and some f to c gravel.	7'-9': N/O, N/S
	2	0.5'	50/2"		▼	7.3'-7.5': Fill-Broken up CONCRETE.	PID = 0.0 ppm max.
				9			
			50			9.0'-9.8': Fill-Broken up CONCRETE.	9'-11': N/O, N/S
	3	0.8'	50/2"			Sample colllected: E11STMGP-B03-910	PID = 0.0 ppm max.
				11			
			WOH			11.0'-13.0': No Recovery	
	4	0.0'					
			1	13			
			1			13.0'-13.5': Fill-Dk brown f to c SAND, ltl f gravel and tr wood fragments.	13'-15': Sl creosote odor, N/S
	5	1.5'	2			13.5'-14.5': SP-Brown f to m SAND.	PID = 14.3 ppm max.
			2			Sample collected: E11STMGP-B03-1314	
			2	15			
			1			15.0'-15.5': SP-Brown f to m SAND and tr silt.	15'-17': Sl creosote odor, N/S
	6	0.5'	7				PID = 1.6 ppm max.
			7				
			7	17			
			2			17.0'-18.8': SW-Gray f to c SAND.	17'-19': N/O, N/S
	7	2.0'	3				PID = 1.7 ppm max.

TRC

BORING No.: B-03

SHEET 2 OF 3

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
St. Emeric's Parking Lot			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Chris Capabianco	Lisa Wasiowich	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
CME 75	4.25" Hollow Stem Auger	8/18/2004	8/18/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	39'	8'

WELL CONSTRUCTION	SAMPLES: NUMBER	RECOVERY IN INCHES	BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
			3				
			4	19		18.8'-19.0': SP-Brown f SAND.	
			1			19.0'-20.3': SP-Gray f to m SAND (sluff).	19'-21': N/O, N/S
	8	2.0'	2				PID = 0.4 ppm max.
			3			20.3'-21.0': SP-Brown f SAND.	
			4	21			
			2			21.0'-22.0': SP-Gray f to m SAND (sluff).	21'-23': N/O, N/S
	9	2.0'	3				PID = 1.1 ppm max.
			4			22.0'-23.0': SP-Brown f SAND.	
			3	23			
			2			23.0'-24.0': SP-Gray f to m SAND (sluff).	23'-25': N/O, N/S
	10	2.0'	3				PID = 1.1 ppm max.
			6			24.0'-25.0': SP-Brown f SAND.	
			5	25			
			3			25.0'-25.9': SP-Brown f SAND.	25'-27': N/O, N/S
	11	1.7'	3			25.9'-26.1': SP-Gray f to m SAND.	PID = 2.6 ppm max.
			3			26.1'-26.7': SP-Gray f SAND with alternating lenses of m sand.	
				27			
			5			27.0'-28.0': SW-Gray f to c SAND (sluff).	27'-29': N/O, N/S
	12	2.0'	6				PID = 3.2 ppm max.
			7			28.0'-29.0': SM-Brown SILT and f SAND.	
			10	29			
			2			29.0'-31.0': SM-Brown SILT and f SAND.	29'-31': N/O, N/S
	13	2.0'	10				PID = 2.4 ppm max.
			13			30.0': Tr wood fibers.	
			14	31			
			7			31.0'-33.0': SM-Brown SILT and f SAND.	31'-33': N/O, N/S
	14	2.0'	8				PID = 7.4 ppm max.
			8				
			8	33			
			WOH			33.0'-35.0': SP-Gray f to m SAND.	33'-35': N/O, N/S
	15	2.0'	1				PID = 1.2 ppm max.
			3				
			7	35			
			3			35.0'-37.0': SP-Gray f to m SAND.	35'-37': N/O, N/S
	16	2.0'	5				PID = 1.1 ppm max.

TRC

BORING No.: B-03

SHEET 3 OF 3

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
St. Emeric's Parking Lot			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Chris Capabianco	Lisa Wasiowich	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
CME 75	4.25" Hollow Stem Auger	8/18/2004	8/18/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	39'	8'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
			6				
			4	37			
			3			37.0'-39.0': SP-Gray f to m SAND.	37'-39': N/O, N/S
	17	2.0'	4				PID = 2.5 ppm max.
			6			Sample collected: E11STMGP-B03-3839	
			10				
				39		E.O.B. at 39' bgs (Boring complete due to running sands in the augers)	
				41			
				43			
				45			
				47			
				49			
				51			
				53			

TRC

BORING No.: B-04

SHEET 1 OF 1

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
Jacob Riis			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Sean Miller	Scott Fischer	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Mobile B-61	4.25" Hollow Stem Auger	4/21/2004	4/21/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	10.5'	5'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN FEET	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
				1		0'-0.7': ASPHALT 0.7'-5.0': Fill-Brown SILT, f to c SAND, GRAVEL, some brick fragments, cobblestone, aphalt and concrete.	0.7'-5.0': N/O, N/S PID = 0.0 ppm max.
				3			
				5	▼	Sample collected: E11STMGP-B04-57	
	1	0.7'	12 13 18 25			5.0'-5.7': Fill-Tan/brown SILT, f to c SAND , GRAVEL, some brick fragments and concrete. Sample collected: E11STMGP-B04-57	5'-7': N/O, N/S PID = 0.2 ppm max.
				7			
	2	0.0'	9 20 20 37			7.0'-9.0': No recovery.	
				9			
	3	0.7'	9 14 50/4			9.0'-9.7': Fill-Dk gray SILT, f to c SAND, GRAVEL and some brick fragments and concrete. Sample collected: E11STMGP-B04-911	9'-11': N/S, solvent odor PID = 32 ppm max.
				11		E.O.B. @ 10.5' bgs (Refusal due to wood timber)	
				13			
				15			
				17			

TRC

BORING No.: B-05/MW-2

BORING LOG

SHEET 1 OF 2

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
Jacob Riis			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Sean Miller	Scott Fischer	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Mobile B-61	4.25" Hollow Stem Auger	4/15/2004	4/15/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	21'	7'

WELL CONSTRUCTION	SAMPLES: NUMBER	RECOVERY IN INCHES	BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
						0'-0.4': Poured CONCRETE/ 0.4'-0.5': GRAVEL subbase.	
				1		0.5'-2.5': Fill-Dk brown SILT, f to c SAND, GRAVEL, tr brick fragments, glass, concrete, coke and clinker material.	0.5'-1.0': N/O, N/S PID = 0.0 ppm max.
							1'-2': N/O, N/S PID = 0.0 ppm max.
				3		2.5'-3.0': Irregular concrete. Appears to be waste material.	
			5			3.0'-3.5': Fill-Dk brown SILT, f to c SAND and GRAVEL.	3'-5': Strong MGP-related odor, black staining, visible (OLM) (last 2" of spoon)
	1	0.5'	8				
			9			Sample collected: E11STMGP-B05-35	
			11				PID = 13.8 ppm max.
			3	5		5.0'-5.5': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments. and concrete.	5'-7': Sl MGP-related odor, N/S PID = 1.7 ppm max.
	2	0.5'	3				
			45				
			22		▼		
			3	7		7.0': Fill-Dk brown SILT, f to m SAND, tr brick fragments and concrete.	7'-9': Strong MGP-related odor, sheen, visible (OLM), N/S
	3	N/A	4				PID = 83.0 ppm max.
			7			Sample collected: E11STMGP-B05-79	
			3				
			2	9		9.0'-9.3': SM-Dk brown silty f SAND and tr f rounded gravel.	9'-11': Sl MGP-related odor, tr sheen, tr black staining
	4	0.3'	1				PID = 8.4 ppm max.
			2				
			1				
			1	11		11.0'-13.0': SM-Dk brown silty f SAND and tr m to c rounded gravel.	11'-13': Sl solvent odor, N/S
	5	2.0'	1				PID = 4.1 ppm max.
			1				
			2				
			1	13		13.0'-14.2': SM-Dk brown silty f SAND.	13'-15': N/O, N/S,
	6	1.2'	3				PID = 1.3 ppm max.
			3				
			4				
			1	15		15.0'-17.0': SM-Dk gray silty f SAND and tr leaf and root matter.	15'-17': N/O, N/S,
	7	2.0'	1				PID = 1.4 ppm max.
			1				
			2				
			3	17		17.0'-18.0': SW-Dk gray SILT, f to c SAND and some gravel.	17'-19': Sl petroleum odor, N/S
	8	1.0'	1			Sample collected: E11STMGP-B05-1719	PID = 0.6 ppm max.

TRC

BORING No.: B-05/MW-2

BORING LOG

SHEET 2 OF 2

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
Jacob Riis			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Sean Miller	Scott Fischer	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Mobile B-61	4.25" Hollow Stem Auger	4/15/2004	4/15/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	21'	7'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
	9	0.1'	1 10 1 2 1 3	19 21 23 25 27 29 31 33 35		19.0'-19.1': SW-Dk gray SILT, f to c SAND and some gravel. E.O.B. at 21' bgs Well set at 20' bgs. Screen interval from 3' bgs to 18' bgs with a 2' sump from 18' to 20 bgs.	19'-21': N/O, N/S PID = 0.2 ppm max.

Sand
Bentonite Chips
Concrete
Well Screen

TRC

BORING No.: B-06

SHEET 1 OF 2

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
Jacob Riis			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Sean Miller	Scott Fischer	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Mobile B-61	4.25" Hollow Stem Auger	4/21/2004	4/21/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	23'	5'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
						0'-0.4': Poured CONCRETE/ 0.4'-0.5': GRAVEL subbase.	
				1		0.5'-3.0': Fill-Dk brown SILT, f to c SAND and GRAVEL, some brick, concrete, asphalt, tr glass and metal scraps. Some coal and coke fragments.	0.5'-3': Sl petroleum odor, tr black staining PID = 0.0 ppm max.
				3		3.0'-5.0': Fill-Gray v. f. SAND, some silt, clay, tr m-c sand and gravel. Some coal and coke fragments.	3'-4': Sl petroleum odor, tr black staining. PID (headspace): 9,999 ppm max.
						Sample collected: E11STMGP-B6-34	
				5	▼	5.0'-7.0': No recovery.	PID = 26.0 ppm max.
	1	0.0'	5 10 4 4				
				7		7.0'-7.3': Fill-Dk gray SILT, f to c SAND, GRAVEL and some brick fragments and 1" clay seam.	7'-9': Visible sheen, black staining, MGP-related odor, visible (OLM). PID = 126 ppm max.
	2	0.3'	2 3 5 7				
				9		9.0'-9.7': Fill-Dk gray SILT, f to c SAND, GRAVEL, tr clay and brick fragments.	9'-11': Visible sheen, black staining, MGP-related odor, visible (OLM). PID = 14.5 ppm max.
	3	0.7'	2 2 2 1				
				11		11'-11.8': Fill-Dk gray SILT, f to c SAND, GRAVEL, tr clay, large brick fragments and wood fibers.	11'-13': Visible sheen, black staining, MGP-related odor, visible (OLM). PID = 46.7 ppm max.
	4	0.8'	7 7 8 9				
				13		13.0'-13.6': Fill-Dk gray SILT, f to c SAND, GRAVEL, tr clay and large brick fragments.	13'-15': N/0, N/S PID = 12.0 ppm max.
	5	0.6'	1 8 9 17				
				15		15.0'-15.2': Fill-Dk brown SILT, f to c SAND and GRAVEL.	15'-17': Visible sheen, black staining, slight MGP-related odor PID = 12.2 ppm max.
	6	0.2'	2 7 9 12				
				17		17.0'-17.3': Fill-Dk brown SILT, f to c SAND, GRAVEL and some clay.	17'-19': Visible sheen, black staining, slight MGP-related odor and visible (OLM)
	7	0.3'	3 50/3				

TRC

BORING No.: B-06

SHEET 2 OF 2

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
Jacob Riis			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Sean Miller	Scott Fischer	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Mobile B-61	4.25" Hollow Stem Auger	4/21/2004	4/21/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	23'	5'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
				19			PID = 53.3 ppm max.
	8	0.1'	8 20 50/2			19.0'-19.1': Fill-Dk brown SILT, f to c SAND, GRAVEL, some clay, brick fragments and wood fibers.	19'-21': Sheen, visible (OLM) and (TLM), black staining and MGP-related odor.
				21			PID = 89.5 ppm max.
	9	1.2'	10 20 50/0			21.0'-22.2': Fill-Dk gray SILT, f to c SAND, CLAY, tr gravel and wood timbers in shoe and bottom of spoon.	21'-23': Sheen, visible (OLM) and (TLM), black staining and MGP-related odor.
				23		E.O.B. @ 23' bgs (Refusal due to wood timber)	PID = 124 ppm max.
				25			
				27			
				29			
				31			
				33			
				35			

TRC

BORING No.: B-07

SHEET 1 OF 1

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
DEP Building			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Sean Miller	Scott Fischer	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Mobile B-61	4.25" Hollow Stem Auger	5/20/2004	5/20/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	17'	5'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN FEET	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
				1		0'-0.5': ASPHALT 0.5'-1.0': Coarse GRAVEL 1.0'-3.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments, concrete, tr ash, asphalt, cobbles and concrete.	1'-5': N/A
				3			
				5	▼	5.0'-6.5': Fill-Tan f SAND.	5'-7': N/O, N/S PID = 1.0 ppm max.
	1	1.5'	22 11 9 9			Sample collected: E11STMGP-B07-57	
				7		7.0'-8.0': Fill-Dk gray f SAND.	7'-9': N/O, N/S PID = 0.9 ppm max.
	2	1.0'	13 3 3 3				
				9		9.0'-10.0': Fill-Dk gray f SAND.	9'-11': N/O, N/S PID = 0.5 ppm max.
	3	1.0'	4 4 2 3				
				11		11.0'-12.0': Fill-Dk gray f SAND with tr m to c sand.	11'-13': N/O, N/S PID = 0.2 ppm max.
	4	1.0'	1 2 1 5				
				13		13.0'-14.0': Fill-Dk gray f SAND with tr m to c sand.	13'-15': N/O, N/S PID = 0.2 ppm max.
	5	1.5'	2 3 3 4			14.0'-14.5': Fill-Dk gr f SAND, brick fragments, tr m to c sand and 2" black silty clay seam at 14.1' bgs	
				15		15.0'-16.5': Fill-Black silty CLAY, some f to m sand, non-CGRM wood timber in shoe and first 2" of spoon.	
	6	1.5'	3 1 1 50/3			Sample collected: E11STMGP-B07-1517	15'-17': N/S, sulfur odor PID = 5.0 ppm max.
				17		E.O.B. @ 17' bgs (Refusal due to wood timber)	

TRC

BORING No.: B-08

BORING LOG

SHEET 1 OF 1

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
DEP Building			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Jerry Heller	Jessica Elliott	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
DK-50	4.25" Hollow Stem Auger	5/18/2004	5/18/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	14.0'	N/A

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
				1		0.0'-1.0': Grass at surface. Dk brown SILT, f to c SAND, GRAVEL, brick fragments, concrete, asphalt and tr coal and coke fragments.	0'-1': N/O, N/S PID = 0.0 ppm max.
						1.0'-3.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments, concrete, metal, glass and tr coal and coke fragments.	1'-3': N/O, N/S PID = 0.0 ppm max.
				3		3.0'-5.0': Fill-Brick chunks and large cobbles.	3'-5': N/O, N/S PID = 3.3 ppm max.
				5			
			35			5.0'-6.3': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments and roots.	5'-7': N/O, N/S PID = 1.9 ppm max.
	1	1.3'	50/2"			Sample collected: E11STMGP-B08-57	
				7		7.0'-10.0': Drilled through three feet of boulders.	
				9			
			45			10.0'-10.2': Fill-Dk brown SILT, f to m SAND, GRAVEL, roots, brick fragments.	10'-12': MGP-related odor, sheen and visible (OLM) and (TLM)
	2	1.0'	24			10.2'-11.0': Fill-Dk brown SILT, f SAND and some gravel.	
			14	11			PID = 41.3 ppm max.
			4				
			WOH			12.0'-12.8': Fill-Brown SILT, f SAND and some gravel.	12'-14': Strong MGP-related odor, sheen, visible (OLM) and (TLM)
	3	0.8'	4				
			1	13		Sample collected: E11STMGP-B08-1214	PID = 43.1 ppm max.
			5				
						E.O.B. at 14' bgs (Refusal)	
				15			
				17			

TRC

BORING No.: B-10

SHEET 1 OF 2

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
Jacob Riis			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Sean Miller	Scott Fischer	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Mobile B-61	4.25" Hollow Stem Auger	4/14/2004	4/14/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	25'	4.5'

WELL CONSTRUCTION	SAMPLES: NUMBER	RECOVERY IN INCHES	BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
						0.0'-0.5': ASPHALT	
				1		0.5'-2.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments, concrete, tr coke and coal fragments.	0.5'-1.0': N/O, N/S PID = 0.0 ppm max. 1'-2': N/O, N/S PID = 0.0 ppm max.
				3		2.0'-3.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments, concrete, tr coke and coal fragments and wood fibers. 3.0'-4.0': Fill-Dk brown SILT, f to c SAND and mostly BRICKS.	2'-4': N/O, N/S PID = 0.0 ppm max. 4'-5': N/O, N/S
					▼	4.0'-4.6': Fill-Dk brown SILT, f to c SAND, some brick fragments.	PID = 0.5 ppm max.
				5		Sample collected: E11STMGP-B10-45 5.0'-5.2': Fill-Reddish brown SILT and f SAND.	5'-7': Strong MGP-related odor, sheen, black staining. PID = 58.0 ppm max.
	1	0.2'	3 2 2 6	7		7.0'-7.5': Fill-SILT, f to c SAND, GRAVEL, brick fragments and concrete.	7'-9': Strong MGP-related odor, sheen, black staining, visible (OLM) PID = 61.0 ppm max.
	2	0.5'	1 5 5 7	9		9.0'-10.2': Fill-SILT, f to c SAND, GRAVEL, brick fragments and concrete.	9'-11': Strong MGP-related odor, sheen, black staining, visible (OLM) PID = 120 ppm max.
	3	1.2'	WOH 3 2 1	11		Sample collected: E11STMGP-B10-911 11.0'-11.2': Fill-SILT, f to c SAND, GRAVEL, brick fragments and concrete.	11'-13': Strong MGP-related odor, sheen, black staining, visible (OLM) PID = 48.0 ppm max.
	4	0.2'	4 5 5 3	13		13.0'-13.3': Fill-SILT, f to c SAND, GRAVEL, brick fragments and concrete.	13'-15': Strong MGP-related odor, N/S, visible (OLM). PID = 31.0 ppm max.
	5	0.3'	2 3 1 2	15		15.0'-17.0': No Recovery.	
	6	0.0'	2 2 2 1	17		17.0'-18.8': ML-Dk gray silty CLAY and tr organics.	17'-19': Organic odor, N/S PID = 30.0 ppm max.
	7	1.8'	1 WOH				

TRC

BORING No.: B-10

SHEET 2 OF 2

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
Jacob Riis			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Sean Miller	Scott Fischer	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Mobile B-61	4.25" Hollow Stem Auger	4/14/2004	4/14/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	25'	4.5'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
			1				
			1				
			1	19		19.0'-20.8': ML-Dk gray silty CLAY and tr organics.	
	8	1.8'	WOH				19'-21': N/O, N/S
			1				PID = 30.0 ppm max.
			1				
			1	21		21.0'-23.0': ML-Dk gray silty CLAY and tr organics grading to olive gray silty . silty CLAY at 22.0' bgs	21'-23': N/O, N/S
	9	2.0'	1				PID = 15.0 ppm max.
			1				
			1				
			1	23		23.0'-25.0': ML-Olive gray to black silty CLAY and tr organics.	23'-25': N/O, N/S
	10	2.0'	1				PID = 10.0 ppm max.
			1				
			1				
				25		E.O.B. at 25' bgs	
				27			
				29			
				31			
				33			
				35			

TRC

BORING No.: B-11/MW-3

BORING LOG

SHEET 1 OF 2

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
Jacob Riis			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Sean Miller	Jessica Elliott	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Mobile B-61	4.25" Hollow Stem Auger	4/22/2004	4/22/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	28'	7'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
						0.0'-1.0': Grass at surface. Dk brown SILT, f to c SAND, GRAVEL, brick fragments, glass, rebar and roots.	0'-1': N/O, N/S
				1		1.0'-2.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments, glass, rebar and roots. Hard, weathered tar material at 1.5' bgs.	PID = 0.0 ppm max.
							1'-2': Sl naphthalene odor, N/S
						2.0'-3.0': Fill-Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments, glass, rebar and roots. Flat concrete at 3.0' bgs.	PID = 0.0 ppm max.
				3		Sample collected: E11STMGP-B11-23	
			8			4.0'-5.1': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments and non-CGRM wood fibers.	4'-6': N/O, black staining, sl sheen
	1	1.1'	25	5			PID = 0.0 ppm max.
			34				
			31				6'-8': MGP-related odor, black staining, sheen, visible (OLM) and (TLM) in bottom of the spoon.
			2			6.0'-6.9': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments and coal fragments.	
	2	0.9'	5	7	▼		
			4				
			3				8'-10': MGP-related odor, black staining, sheen, increase in (OLM) and (TLM)
			2			8.0'-8.9': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments and coal fragments.	PID = 377 ppm max.
	3	0.9'	5	9			
			3			Sample collected: E11STMGP-B11-810	
			6				10'-12': Strong MGP-related odor, black staining, sheen, (visible OLM) and (TLM)
			5			10.0'-12.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments and coal fragments.	PID = 298 ppm max.
	4	2.0'	3	11			
			3				
			4				12'-14': Strong MGP-related odor, black staining, sheen, (visible OLM) and (TLM)
			2			12.0'-12.2': Fill-Dk brown SILT, f to c SAND, GRAVEL, some clay, brick fragments and coal fragments.	PID = 233 ppm max.
	5	0.2'	2	13			
			5				
			2				14-18': Strong MGP-related odor, black staining, sheen, (visible OLM) and (TLM)
			10			14.0'-14.5: Fill-Dk brown SILT, f to c SAND, GRAVEL, some clay, brick fragments and coal fragments.	PID = 279 ppm max.
	6	1.0'	30	15			
			50/0'			14.5'-15.0': Fill-Non-Coal Gas Related Material wood timbers.	
			2			16.0'-16.8': Fill-Black SILT, f to c SAND, brick fragments and non-CGRM wood timbers.	
	7	0.8'	40	17			
			50/3"				

TRC

BORING No.: B-11/MW-3

BORING LOG

SHEET 2 OF 2

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
Jacob Riis			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Sean Miller	Jessica Elliott	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Mobile B-61	4.25" Hollow Stem Auger	4/22/2004	4/22/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	28'	7'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
			5				
	8	1.0'	3	19		18.0'-18.6': Fill-Black SILT, f to c SAND, brick fragments and non-CGRM wood timbers.	18'-20': MGP-related odor, black staining, sheen, visible (OLM)
			2			18.6'-19.0': Fill-Dk gray SILT, some clay, tr f to c sand, non-CGRM wood fibers.	
			2			Sample collected: E11STMGP-B11-1820	PID = 411 ppm max.
			2			20.0'-20.2': Fill-Black f to c silty SAND, CLAY, brick fragments and non-CGRM wood fibers.	20'-22': Strong MGP-related odor, black staining, sheen, vsible (OLM)
	9	0.2'	5	21			
			7				PID = 318 ppm max.
			5				
			6			22.0'-22.7': Fill-Black f to c silty SAND, tr clay, brick fragments and non-CGRM wood fibers.	22'-24': MGP-related odor, N/S, visible (OLM)
	10	0.7'	4	23			
			8				PID = 59 ppm max.
			7				
			2			24.0'-25.2': ML-Dk gray silty CLAY, tr f sand and tr organics.	24'-26: N/O, N/S
	11	1.2'	4	25			
			3				PID = 0.0 ppm max.
			7				
			1			26.0'-27.8': ML-Dk gray silty CLAY, tr f sand and tr organics.	26'-28': N/O, N/S
	12	1.8'	1	27		Sample collected: E11STMGP-B11-2628	PID = 0.0 ppm max.
			1				
			3				
						E.O.B. at 28' bgs	
				29			
				31			
				33			
				35			

TRC

BORING No.: B-12

SHEET 1 OF 2

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
Jacob Riis			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Sean Miller	Scott Fischer/Jessica Elliott	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Mobile B-61	4.25" Hollow Stem Auger	4/9/2004	4/15/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	23'	7'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
				1		0'-1.0': Grass and topsoil at surface with dk brown SILT, f to c SAND, GRAVEL, glass, metal, concrete, slag and coke fragments.	0.0'-1': N/O, N/S PID = 0.0 ppm max.
						1.0'-3.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, glass, metal, concrete, slag and coke fragments.	1'-3': N/O, N/S PID = 0.0 ppm max.
				3		3.0'-5.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, glass, metal, concrete, slag and coke fragments, some black stained bricks and hard tar material on bricks.	3'-5': N/O, black staining on bricks PID = 0.0 ppm max.
				5		Sample collected: E11STMGP-B12-34	
			3			5.0'-5.5': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments and concrete and tan sand in shoe.	5'-7': N/O, N/S
	1	0.5'	3				PID = 1.3 ppm max.
			2				
			2		▼		
			1	7		7.0'-7.7': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments, concrete and non-Coal Gas Related Material wood fibers.	7'-9': Strong MGP-related odor, black staining, sheen, visible (OLM)
	2	0.7'	1				
			1			Sample collected: E11STMGP-B12-79	PID = 141 ppm max.
			1				
			5	9		9.0'-10.2': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments, concrete and non-CGRM wood fibers.	9'-11': Strong MGP-related odor, N/S
	3	1.2'	1				PID = 95.0 ppm max.
			1				
			20				
			50/4"	11		11.0'-11.3': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments, concrete and non-CGRM wood fibers.	11'-13': Strong MGP-related odor, N/S, visible (TLM) in shoe
	4	0.3'					PID = 120 ppm max.
				13		13.0'-15.0': Augered from 11.0'-15.0' without sampling.	
			1	15		15.0'-16.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments, concrete and non-CGRM wood fibers.	15'-17': Strong MGP-related odor, black staining, sheen, visible (OLM) and (TLM)
	5	1.0'	1				PID = 69 ppm max.
			1				
			1				17-19': Strong MGP-related odor, black staining, sheen, visible (OLM) and (TLM)
			14	17		17.0'-17.6': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments, concrete, non-CGRM wood fibers and ash material.	
	6	0.6'	11				

TRC

BORING No.: B-12

SHEET 2 OF 2

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
Jacob Riis			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Sean Miller	Scott Fischer	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Mobile B-61	4.25" Hollow Stem Auger	4/2/2004	4/5/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	27'	7'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
			22				PID = 184 ppm max.
			12	19			
			6			19.0'-19.5': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments, concrete and increasing amount of non-CGRM wood fibers.	19'-21': Strong MGP-related odor, staining, sheen, visible (OLM) and (TLM)
	7	0.5'	35				
			44				PID = 322 ppm max.
			20	21			
			50/5"			21.0'-21.5': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments and concrete.	21'-23': Strong MGP-related odor, black staining, sheen, visible (OLM) and (TLM)
	8	0.5'				Sample collected: E11STMGP-B12-2123	PID = 570 ppm max.
				23		E.O.B. at 23' bgs (Refusal)	
				25			
				27			
				29			
				31			
				33			
				35			

TRC

BORING No.: B-13

SHEET 1 OF 1

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
Jacob Riis			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Sean Miller	Scott Fischer	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Mobile B-61	4.25" Hollow Stem Auger	4/12/2004	4/12/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	10'	7'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN FEET	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
						0'-0.3': Poured CONCRETE/ 0.3'-0.5': GRAVEL subbase.	
				1		0.5'-1.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments, concrete, glass, metal, asphalt, roots and some black organics.	0.5'-5.0': N/O, N/S PID = 0.0 ppm max.
						1.0'-3.0': Fill-Lt brown SILT, f to c SAND, GRAVEL, some cobbles, concrete and brick fragments.	1'-3': N/O, N/S PID = 0.0 ppm max.
				3		3.0'-5.0': Fill-Lt brown SILT, f to c SAND, GRAVEL, some cobbles, concrete and brick fragments.	3'-5': N/O, N/S PID = 0.0 ppm max.
				5			
			13			5.0'-5.5': Fill-Tannish orange f to c SAND and f rounded GRAVEL.	5'-7': N/O, N/S PID = 0.6 ppm max.
	1	0.5'	19				
			19			Sample collected: E11STMGP-B13-57	
			17	7	▼		
			5			7.0'-7.5': Fill-Tannish orange f to c SAND and f rounded GRAVEL.	7'-9': N/O, N/S
	2	0.5'	8				PID = 0.4 ppm max.
			8				
			12	9			
			7			9.0'-9.5': Fill-Gray f to c SAND, some f to m gravel, tr silt and non-CGRM wood timber in spoon.	9'-10': N/O, N/S
	3	0.5'	9				PID = 0.4 ppm max.
			50/3"			E.O.B. at 10.0'bgs (Refusal)	
				11			
				13			
				15			
				17			

TRC

BORING No.: B-14

SHEET 1 OF 1

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
Jacob Riis			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Sean Miller	Scott Fischer	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Mobile B-61	4.25" Hollow Stem Auger	4/13/2004	4/13/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	16'	8'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
						0.0'-0.5: Poured CONCRETE and 2" subbase.	
				1		0.5'-1.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments, concrete, glass and metal scraps.	0.5'-1': N/O, N/S PID = 0.0 ppm max.
						1.0'-3.0': In place bricks with mortar joints.	1'-3': N/O, N/S PID = 0.0 ppm max.
				3		3.0'-4.0': In place bricks with mortar joints.	3'-4': N/O, N/S PID = 0.0 ppm max.
			7			4.0'-4.1': Fill-BRICK, CONCRETE and Dk brown f to c silty SAND	
	1	0.1'	7	5			4'-6': N/O, N/S PID = 0.6 ppm max.
			6				
			3				
			7			6.0'-6.4': Fill-BRICK, CONCRETE, Dk brown f to c silty SAND and some slate.	6'-8': Sl petroleum odor, N/S PID = 0.4 ppm max.
	2	0.4'	50/3"	7			
					▼		
			2			8.0'-8.5': Fill-Dk brown SILT, f to c SAND and GRAVEL.	8'-10': Petroleum odor, N/S, visible sheen.
	3	0.5'	1	9		Sample collected: E11STMGP-B14-810	PID = 22.0 ppm max.
			1				
			5				
			2			10.0'-10.3': Fill-Dk brown SILT, f to c SAND and GRAVEL.	10'-12': Petroleum odor, N/S, visible sheen.
	4	0.3'	1	11			PID = 3.5 ppm max.
			2				
			5				
			4			12.0'-12.4': Fill-Tan f to c SAND and brick fragments.	12'-14': Sl petroleum odor, N/S, visible sheen.
	5	0.4'	6	13			PID = 10 ppm max.
			5				
			5				
			2			14.0'-15.9': SM-Brown SILT and some f sand.	14'-16': N/O, N/S visible sheen.
	6	1.9'	1	15		Sample collected: E11STMGP-B14-1416	PID = 0.5 ppm max.
			4				
			2				
						E.O.B. at 16' bgs	
				17			

TRC

BORING No.: B-15

SHEET 1 OF 1

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
Jacob Riis			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Sean Miller	Scott Fischer	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Mobile B-61	4.25" Hollow Stem Auger	4/13/2004	4/13/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	16'	10'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
						0.0'-0.5: Poured CONCRETE and 2" subbase.	
				1		0.5'-1.0': Fill-Dk brown SILT, f to c SAND, tr gravel, cobble, brick fragments and tree roots.	0.5'-1': N/O, N/S PID = 0.0 ppm max.
						1.0'-2.0': Fill-Dk brown SILT, f to c SAND, tr gravel, cobble, glass, whole and half pieces of brick and tr coke fragments.	1'-2': N/O, N/S PID = 0.0 ppm max.
				3		2.0'-4.0': Fill-Mostly large bricks with dk brown silt, f to c sand, tr gravel, cobble, glass and tr coke fragments.	2'-4': N/O, N/S PID = 0.0 ppm max.
	1	0.2'	8	5		4.5'-4.7': Fill-Brick and concrete.	4'-6': N/O, N/S PID = 0.1 ppm max.
			12 21 9				6'-8': N/O, N/S
	2	0.1'	4	7		6.0'-6.1': Fill-Dk brown SILT, f SAND, tr gravel and non-CGRM wood fibers.	PID = 0.4 ppm max.
			3 9 2			8.0'-9.0': Fill-Olive gray f SAND, tr silt and coal fragments.	8'-10': Sl MGP-related odor, black staining at 8.5' bgs
	3	1.0'	5 7 4	9	▼	Sample collected: E11STMGP-B15-810	PID = 0.7 ppm max.
			1			10.0'-11.8': Fill-Olive gray f SAND, tr silt, coal fragments and seems of organics.	10'-12': Sl MGP-related odor, N/S
	4	1.8'	1 2 1	11			PID = 0.8 ppm max.
			1			12.0'-13.8': SP-Intermittent seams of olive gray f SAND and leaf matter.	12'-14': N/O, N/S, blebs of sheen
	5	1.8'	1 WOH 1	13			PID = 0.4 ppm max.
			1			14.0'-15.8': SP-Intermittent seams of olive gray f SAND and leaf matter.	14'-16': N/O, N/S
	6	N/A	1 1 6	15		Sample collected: E11STMGP-B15-1416 Duplicate sample collected: E11STMGP-B51-1416	PID = 0.4 ppm max.
				17		E.O.B. at 16' bgs	

TRC

BORING No.: B-16

BORING LOG

SHEET 1 OF 2

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
Jacob Riis			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Sean Miller	Scott Fischer	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Mobile B-61	4.25" Hollow Stem Auger	4/6/2004	4/6/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	21'	9'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
						0'-0.3': Poured CONCRETE/ 0.3'-0.5': GRAVEL subbase.	
				1		0.5'-3.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments and concrete.	0.0'-1': N/O, N/S PID = 0.0 ppm max.
							1'-3': N/O, N/S PID = 0.0 ppm max.
				3		3.0': Layer of concrete.	
			37			3.0'-4.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments, asphalt, concrete and coal fragments.	3'-5': Sl petroleum odor, N/S PID = 4.0 ppm max.
	1	1.0'	50				
			50/3"				
				5			5'-7': Sl petroleum odor, N/S
			44			5.0'-5.8': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments and concrete.	PID = 5.0 ppm max.
	2	0.8'	37				
			14			Sample collected: E11STMGP-B16-57	
			15	7			
			2			7.0'-9.0': No Recovery.	
	3	0.0'	1				
			1				
			1		▼		
			1	9		9.0'-9.1': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments and concrete.	9'-11': Sl petroleum odor, N/S and visible sheen PID = 0.2 ppm max.
	4	0.1'	1				
			1				
			WOH	11			
			1			11.0'-13.0': No Recovery.	
	5	0.0'	2				
			WOH				
			1				
			1	13		13.0'-14.8': ML-Black silty CLAY and tr organics.	13'-15': Sl MGP-related odor, N/S and visible sheen on shoe PID = 0.2 ppm max.
	6	1.8'	1				
			1				
			1				
			2	15		15.0'-16.5': ML-Black silty CLAY and tr organics.	15'-17': MGP-related odor, N/S visible sheen, dk brown blebs of product. PID = 0.2 ppm max.
	7	1.5'	1				
			1				
			2				
			1	17		17.0'-18.2': ML-Black silty CLAY and tr organics.	17'-19': MGP-related odor, N/S visible sheen, dk brown
	8	1.2'	1				

TRC

BORING No.: B-16

SHEET 2 OF 2

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
Jacob Riis			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Sean Miller	Scott Fischer	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Mobile B-61	4.25" Hollow Stem Auger	4/6/2004	4/6/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	21'	9'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
			1			Sample collected: E11STMGP-B16-1719	blebs of OLM.
			1				PID = 1.4 ppm max.
			1	19		19.0'-21.0': ML-Black silty CLAY and tr organics.	19'-21': Tr organic odor, N/S
	9	2.0'	1			Sample collected: E11STMGP-B16-1921	PID = 0.0 ppm max.
			1				
			1	21		E.O.B. at 21' bgs	
				23			
				25			
				27			
				29			
				31			
				33			
				35			

TRC

BORING No.: B-17

SHEET 1 OF 2

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
Jacob Riis			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Jerry Heller	Scott Fischer	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
DK-50	4.25" Hollow Stem Auger	4/8/2004	4/9/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	27'	7'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
						0.0'-0.5: Poured CONCRETE and 2" subbase.	
				1		0.5'-1.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick and concrete fragments.	0.5'-1': N/O, N/S PID = 0.2 ppm max.
						1.0'-3.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, whole and half pieces of brick and large chunks of concrete and asphalt.	1'-3': N/O, N/S PID = 0.3 ppm max.
				3		3.0'-4.5': Fill-Dk brown SILT, f to c SAND, GRAVEL, whole and half pieces of BRICK and large chunks of concrete and asphalt.	3'-4': N/O, N/S PID = 0.3 ppm max.
				5			
	1	1.6'	13 28 15 35			5.0'-6.6': Fill-Brown SILT, f to c SAND, GRAVEL, brick fragments, concrete, coal fragments and weathered brick from 5.5'-6' bgs. Sample collected: E11STMGP-B17-57	5'-7': Black stained brick in shoe with MGP-related odor PID = 5.0 ppm max.
				7	▼		
	2	1.1'	2 1 1 1	9		8.0'-9.1': Fill-Brown SILT, f to c SAND, GRAVEL, brick fragments, concrete and coal fragments.	8'-10': Strong MGP-related odor, visble (OLM), black staining. PID = 487 ppm max.
	3	1.2'	3 4 4 4	11		10.0'-11.2': Fill-Brown SILT, f to c SAND, GRAVEL, brick fragments, concrete and coal fragments. Sample collected: E11STMGP-B17-1012	10'-12': Strong MGP-related odor, visible (OLM), black staining, sheen. PID = 519 ppm max.
	4	1.3'	10 4 3 2	13		12.0'-13.3': Fill-Brown SILT, f to c SAND, GRAVEL, brick fragments, concrete, coal fragments, some organic matter and wood fibers.	12'-14': Strong MGP-related odor, visible (OLM), black staining, sheen. PID = 266 ppm max.
	5	0.5'	1 1 1 1	15		14.0'-14.5': Fill-Black stained SILT, f to c SAND, f GRAVEL and coal fragments.	14'-16': Strong MGP-related odor, visible (OLM), black staining, sheen. PID = 250 ppm max.
	6	1.0'	WOH 1 1 1	17		16.0'-17.0': Fill-Black stained SILT, f to c SAND, f GRAVEL and coal fragments.	16'-18': Strong MGP-related odor, visible (OLM), black staining, sheen. PID = 150 ppm max.

TRC

BORING No.: B-17

SHEET 2 OF 2

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
Jacob Riis			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Jerry Heller	Scott Fischer	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
DK-50	4.25" Hollow Stem Auger	4/8/2004	4/9/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	27'	7'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
	7	0.9'	12 5 1 1	19 21 23 25 27 29 31 33 35		18.0'-18.9': SW-F to c SAND, tr f to m gravel and non-CGRM wood fibers (3" split spoon used due to no recovery with a 2" split spoon). 20.0-27.0': Sluff (Augers were advanced from 20'-25' continuously, but when the 2" split spoon rods were inserted inside the augers, the rods only stood at 22' bgs instead of 25'bgs. Therefore, the material recovered in the spoons from 20'-27' bgs is mostly likely sluff.) E.O.B. at 27' bgs	18'-20': Strong MGP-related odor, sheen, visible (OLM) PID = 119 ppm max.

TRC

BORING No.: B-18

SHEET 1 OF 1

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
Jacob Riis			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Sean Miller	Scott Fischer	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Mobile B-61	4.25" Hollow Stem Auger	4/6/2004	4/6/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	7.5'	N/A

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN FEET	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
				1		0'-0.5': Poured CONCRETE	
						0.5'-5.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments, concrete, glass, metal, slag, coke and coal fragments.	0.7'-5.0': N/O, N/S PID = 0.0 ppm max.
				3			
			50				3'-5': N/O, N/S
	1	1.5	40				PID = 2.0 ppm max.
			13				
			13				
			37	5		5.0'-5.8': Red brick chunks and a weathered mortar joint at 5.4' bgs.	5'-7': N/O, N/S
	2	0.8'	50				PID = 6.8 ppm max.
			50				
			50/2"				
			15	7		7.0'-7.1': Red brick chunks.	7'-7.5': Sl solvent odor, N/S
	3	0.1'	50/3"			E.O.B. at 7.5'bgs (Refusal due to brick)	PID = 8.6 ppm max.
				9			
				11			
				13			
				15			
				17			

TRC

BORING No.: B-19

SHEET 1 OF 2

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
Jacob Riis			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Sean Miller	Jessica Elliott	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Mobile B-61	4.25" Hollow Stem Auger	4/12/2004	4/12/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	28'	8'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
						0.0'-0.5: Poured CONCRETE and 2" subbase.	
				1		0.5'-1.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments, concrete, slag and coke fragments.	0.5'-1': N/O, N/S PID = 0.0 ppm max.
						1.0'-3.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments, concrete, slag and coke fragments.	1'-3': N/O, N/S PID = 0.0 ppm max.
				3			3'-4': N/O, N/S PID = 0.3 ppm max.
			9			4.0'-4.1': 2" of concrete.	
	1	0.1'	5	5			
			2				
			3				
			13				6'-8': N/O, N/S
	2	0.1'	10	7		6.0'-6.1': Fill-Brown SILT, f to c SAND, some concrete and coal fragments.	PID = 2.1 ppm max.
			9				
			8		▼		
			7			8.0'-8.1': Fill-Brick and concrete fragments.	8'-10': Sl solvent odor, N/S
	3	0.1'	8	9			PID = 0.5 ppm max.
			7				
			7				
			7			10.0'-10.9': Fill-Black ASH material, some silt, very f sand, tr coal fragments and tr non-Coal Gas Related Material wood fibers.	10'-12': Sl solvent odor, N/S
	4	0.9'	8	11			PID = 0.4 ppm max.
			11				
			9				
			3			12.0'-13.7': Fill-Olive brown CLAY, SILT, f to c SAND, GRAVEL, ash material, coal fragments, glass and non-CGRM wood fibers.	12'-14': Sl MGP-related odor, black staining, sheen
	5	1.7'	4	13			PID = 2.1 ppm max.
			2			Sample collected: E11STMGP-B19-1214	
			5				
			1			14.0'-15.3': Fill-Dk gray SILT, f to c SAND, GRAVEL, brick fragments, concrete, coal fragments, rubber and non-CGRM wood fibers.	14'-16': Strong MGP-related odor, visible (OLM) and (TLM), reddish black staining
	6	1.3'	3	15			PID = 8.1 ppm max.
			2				
			4				
			16			16.0'-17.0': Fill-Dk gray SILT, f to c SAND, GRAVEL, coal fragments and wood fibers in shoe.	16'-18': Strong MGP-related odor, visible (OLM) and (TLM),
	7	1.0'	22	17			reddish black staining, sheen
			29			Sample collected: E11STMGP-B19-1618	PID = 122 ppm max.
			31				

TRC

BORING No.: B-19

SHEET 2 OF 2

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
Jacob Riis			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Sean Miller	Jessica Elliott	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Mobile B-61	4.25" Hollow Stem Auger	4/12/2004	4/12/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	28'	8'

WELL CONSTRUCTION	SAMPLES NUMBER	RECOVERY IN INCHES	BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
			3				18'-20': Strong MGP-related odor
	8	0.5'	2	19		18.0'-18.5': ML-Dk gray silty CLAY.	in clay, no (OLM) or (TLM) in interior of clay
			1				
			5				PID = 219 ppm max.
			2			20.0'-22.0': ML-Dk gray silty CLAY	20'-22': Strong MGP-related odor
	9	2.0'	2	21			in clay, no (OLM) or (TLM) in interior of clay
			2				
			4				PID = 96 ppm max.
			1			22.0'-24.0': ML-Gray silty CLAY.	22'-24': No (OLM) or (TLM)
	10	2.0'	1	23		22.8': 1" wide fracture slanting at a 45 degree angle within the clay.	in interior of clay, N/S, N/O
			2				PID = 70.6 ppm max.
			4				
			1			24.0'-25.6': ML-Gray silty CLAY.	24'-26': No (OLM) or (TLM)
	11	2.0'	2	25			in interior of clay, N/S, N/O
			3				PID = 70.6 ppm max.
			6			25.6'-26.0': SP-Dk gray f to m SAND	
			2			26.0'-28.0': SP-Dk gray f to m SAND and shell fragments.	26'-28': No (OLM) or (TLM)
	12	2.0'	4	27			in interior of clay, N/S, N/O
			9				PID = 104 ppm max.
			6			27.8': 2" silty clay seam in sand.	
						E.O.B. at 28' bgs	
				29			
				31			
				33			
				35			

TRC

BORING No.: B-20

SHEET 1 OF 1

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
Jacob Riis			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Sean Miller	Scott Fischer	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Mobile B-61	4.25" Hollow Stem Auger	4/7/2004	4/7/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	6.5'	N/A

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN FEET	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
				1		0'-0.4': Poured CONCRETE/0.4'-0.5': GRAVEL subbase. 0.5'-1.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments, concrete, asphalt and tr slag. 1.0'-3.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, whole and half pieces of brick, concrete, asphalt and tr slag.	0.5'-1': N/O, N/S PID = 0.0 ppm max. 1'-3': N/O, N/S PID = 0.0 ppm max.
				3		3.0'-6.5': Smooth poured CONCRETE, containing no aggregate material.	3'-6.5': N/O, N/S PID = 0.0 ppm max.
				5			
				7		E.O.B. at 6.5' bgs (Refusal due to concrete)	
				9			
				11			
				13			
				15			
				17			

TRC

BORING No.: B-21

BORING LOG

SHEET 1 OF 2

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
Jacob Riis			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Sean Miller	Scott Fischer	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Mobile B-61	4.25" Hollow Stem Auger	4/2/2004	4/5/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	27'	7'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
						0'-0.2': Poured CONCRETE/ 0.2'-0.5': GRAVEL subbase.	
				1		0.5'-5.0': Fill-Dk brown SILT, f to c SAND and GRAVEL, brick fragments, glass, asphalt, slag, coal fragments and roots.	0.0'-1': N/O, N/S PID = 0.0 ppm max.
						1.0'-3.0': Whole and half pieces of brick.	1'-3': N/O, N/S PID = 0.0 ppm max.
				3			3'-5': Sl sewage odor, N/S PID = 0.0 ppm max.
				5			
			14			5.0'-5.1': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments, concrete, asphalt and coal fragments.	5'-7': N/O, N/S PID = 0.0 ppm max.
	1	0.1'	4				
			1				
			1				
			1	7	▼		
			9			7.0'-7.1': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments, concrete, asphalt and coal fragments.	7'-9': N/O, N/S PID = 0.0 ppm max.
	2	0.1'	4				
			1				
			2	9			
						9.0'-11.0': No Recovery.	
	3	0.0'					
				11			
			3			11.0'-11.2': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments and concrete.	11'-13': N/O, N/S PID = 0.0 ppm max.
	4	0.2'	3				
			4				
			4	13			
			3			13.0'-15.0': SP-Dk brown SILT, f to c SAND and GRAVEL.	13'-15': Petroleum odor, N/S, visible sheen and product.
	5	2.0'	1				
			1			Sample collected: E11STMGP-B21-1415	PID = 0.0 ppm max.
			1				
			2	15		15.0'-15.2': SP-Dk brown SILT and f to c SAND.	15'-17': Petroleum odor, N/S and visible sheen
	6	0.2'	1				PID = 0.0 ppm max.
			1				
			5				17'-19': Petroleum odor, N/S and visible sheen.
			6	17		17.0'-17.2': SP-Dk brown f to c SAND, some silt, tr clay and organics.	PID = 0.5 ppm max.
	7	2.0'	4			17.2'-19.0': ML-Dk gray clayey SILT, tr very f sand and organics.	

TRC

BORING No.: B-21

SHEET 2 OF 2

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
Jacob Riis			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Sean Miller	Scott Fischer	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Mobile B-61	4.25" Hollow Stem Auger	4/2/2004	4/5/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	27'	7'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
			4				
			6	19			
			19			19.0'-19.8': ML-Dk gray to black clayey SILT and tr organics.	19'-21': Petroleum odor, N/S
	8	0.8'	22			Sample collected: E11STMGP-B21-1921	and visible sheen.
			10				PID = 0.2 ppm max.
			10	21			
			1			21.0'-21.2': SP-Gray very f SAND, tr clay and silt.	21'-23': Sl petroleum odor, N/S
	9	0.2'	3				PID = 3.9 ppm max.
			5				
			6	23			
			6			23.0'-24.5': SP-Gray f SAND and tr silt.	23'-25': Very sl petroleum odor,
	10	1.5'	12				N/S
			10			Sample collected: E11STMGP-B21-2325	PID = 0.0 ppm max.
			9	25			
			6			25.0'-27.0': Sluff-Gray clayey SILT and f to c SAND.	
	11	2.0'	10				
			11				
			4	27			
						E.O.B. @ 27' bgs	
				29			
				31			
				33			
				35			

TRC

BORING No.: B-22

SHEET 1 OF 2

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
Jacob Riis			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Jerry Heller	Scott Fischer	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
DK-50	4.25" Hollow Stem Auger	4/8/2004	4/8/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	24'	7'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
						0.0'-0.5: Poured CONCRETE and 2" subbase.	
				1		0.5'-1.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, some boulders, glass, brick fragments, asphalt, concrete and metal scraps.	0.5'-1': N/O, N/S PID = 0.2 ppm max.
						1.0'-3.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments, glass, asphalt and concrete.	1'-3': N/O, N/S PID = 0.3 ppm max.
				3		3.0'-5.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments, glass, asphalt, concrete, and tr coal and coke fragments.	3'-5': N/O, N/S PID = 0.3 ppm max.
				5			
			50/1"			5.0'-5.1': Fill-Dk brown SILT, f to c SAND, GRAVEL, concrete and brick fragments.	5'-7': N/O, N/S PID = 0.6 ppm max.
	1	0.1'				Sample collected: E11STMGP-B22-57	
				7	▼	6.0'-7.0': Advanced augers to 8' bgs because augers were grinding at 6'-7'.	
			17			8.0'-8.6': Fill-Black stained SILT, f to c SAND, GRAVEL, brick fragments, ash, cinders and coal fragments.	8'-10': Strong MGP-related odor, visible (OLM), black staining. PID = 21.0 ppm max.
	2	0.6'	16	9			
			5				
			5				
			1			10.0'-10.6': Fill-Black stained SILT, f to c SAND, GRAVEL, brick fragments, ash, cinders and coal fragments.	10'-12': Strong MGP-related odor, visible (OLM), black staining. visible sheen.
	3	0.6'	1				
			1	11		Sample collected: E11STMGP-B22-1012	PID = 25.0 ppm max.
			2				
			1			12.0'-12.2': SW-F to c SAND, tr silt, tr black stained organics and tree roots.	12'-14': Strong MGP-related odor, visible (OLM), black staining. visible sheen.
	4	0.2'	2				
			1	13			PID = 14.0 ppm max.
			2				
			3			14.0'-14.2': SW-F to c SAND, tr silt, tr black stained organics and tree roots.	14'-16': Strong MGP-related odor, visible (OLM), black staining. visible sheen.
	5	0.2'	1				
			1	15			PID = 19.0 ppm max.
			2				
			4			16.0'-16.2': SW-F to c SAND and tr silt.	16'-18': Strong MGP-related odor, visible (OLM), black staining. visible sheen.
	6	0.2'	1				
			2	17			PID = 14.0 ppm max.
			1				

TRC

BORING No.: B-22

SHEET 2 OF 2

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
Jacob Riis			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Jerry Heller	Scott Fischer	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
DK-50	4.25" Hollow Stem Auger	4/8/2004	4/8/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	24'	7'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
	7	0.0'	WOH, 2, 1, 1	19		18.0'-20.0': No Recovery.	
	8	1.5'	WOH, 1, 1, 5, 5	21		20.0'-20.75': ML-Black silty CLAY 20.75'-21.5': SW-Gray f to c SAND and tr silt.	20'-22': Sl MGP-related odor due to wash in water table, N/S PID = 9 ppm max.
	9	2.0'	5, 10, 15	23		22.0'-24.0': Sluff	
				25		E.O.B. at 24' bgs	
				27			
				29			
				31			
				33			
				35			

TRC

BORING No.: B-23/MW-5

BORING LOG

SHEET 1 OF 2

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
Jacob Riis			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Jerry Heller	Scott Fischer	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
DK-50	4.25" Hollow Stem Auger	4/19/2004	4/20/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	25'	5'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
				1		0'-1.0': Grass at surface. Dk brown SILT, f to c SAND, GRAVEL, tree roots, and brick and concrete fragments.	1'-3': Sl petroleum odor, tr black staining
						1.0'-4.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, whole and half bricks, some coal and coke fragments.	PID = 0.0 ppm max.
				3			3'-5': Sl petroleum odor, tr black staining
						4.0'-5.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, whole and half bricks. Tr to some orange to brown sand, coal and coke fragments.	
			1	5	▼	5.0'-5.5': Fill-Dk brown SILT and f to c SAND, tr f gravel, concrete and brick fragments.	5'-7': N/O, N/S
	1	0.5	1				PID = 0.0 ppm max.
			1			Sample collected: E11STMGP-B23-57	
			1	7		7.0'-7.4': Fill-Dk brown SILT and f to c SAND, tr f gravel, concrete and brick fragments.	7'-9': N/O, N/S
	2	0.4'	3				PID = 0.2d ppm max.
			2				
			1	9			
			2			9.0'-10.0': Fill-Dk brown SILT and f to c SAND, tr f gravel, concrete and brick fragments and non-CGRM wood fibers.	9'-11': Visible sheen, black staining, MGP-related odor, visible (OLM).
	3	1.0'	11				PID = 4.0 ppm max.
			6				
			16	11			
			WOH			11.0'-11.3': Fill-Dk brown SILT and f to c SAND, tr f gravel, concrete and brick fragments.	11'-13': Visible sheen, black staining, MGP-related odor, visible (OLM).
	4	0.3'	3				PID = 7.8 ppm max.
			2				
			2	13			
			12			13.0'-13.1': Fill-Dk brown SILT and f to c SAND, tr f gravel, concrete and brick fragments.	13'-15': Sheen, black staining, MGP-related odor, visible (OLM).
	5	0.1'	12				PID = 2. 7ppm max.
			20				
			13	15			
			12			15.0'-15.6': ML-Dk gray SILT, CLAY and very f SAND.	15'-17': Sheen, black staining, sl MGP-related odor
	6	0.6'	3				
			10				
			15	17			
			17/1"			17.0'-19.0': No Recovery. 2" of wood timber in shoe.	
	7	0.0'					

Sand
Bentonite Chips
Concrete
Well Screen

TRC

BORING No.: B-23/MW-5

BORING LOG

SHEET 2 OF 2

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
Jacob Riis			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Jerry Heller	Scott Fischer	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
DK-50	4.25" Hollow Stem Auger	4/19/2004	4/20/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	25'	5'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
							PID = 1.2 ppm max.
				19			
			18			19.0'-19.5': ML-Dk gray SILT, CLAY and very f SAND.	19'-21': Visible sheen, reddish black staining, visible (TLM).
	8	0.5'	7				PID = 75.6 ppm max.
			2			Sample collected: E11STMGP-B23-1921	
			12				
				21			
			1			21.0'-21.6': ML-Dk gray SILT, CLAY and very f SAND. Wood timbers in shoe and bottom of spoon.	21'-23': Visible sheen, reddish black staining, visible (TLM).
	9	0.6'	50/5"				PID = 61.0 ppm max.
				23			
			2			23.0'-25.0': ML-Dk gray silty CLAY and shell fragments.	23'-25': N/O, N/S in interior of clay.
	10	2.0'	2			Sample collected: E11STMGP-B23-2325	PID = 6.8 ppm max.
			5				
			8			25.0': SP-C SAND in shoe.	
				25		E.O.B. at 25' bgs	
				27			
				29			
				31			
				33			
				35		Well set at 20' bgs.	
						Screen interval from 3' bgs to 18' bgs with a 2' sump from 18' to 20 bgs.	

Sand
Bentonite Chips
Concrete
Well Screen

TRC

BORING No.: B-24A

SHEET 1 OF 1

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
St. Emeric's Church Parking Lot			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Chris Stratton	Morgan Evans	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
CME 75	3.25" Hollow Stem Auger	8/19/2004	8/19/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	10.5'	9'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN FEET	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
				1		0'-0.5': ASPHALT 0.5'-5.0': Fill-Lt tan very f to c SAND, some very f to m sub-rounded gravel and cobbles.	0.5'-5.0': N/O, N/S PID (headspace) = 2.6 ppm max.
				3			
				5		5.0'-7.0': Augered through. Did not sample.	
				7			
			5			7.0'-7.2': Fill-Lt brown and tan f to c SAND and brick fragments.	7'-9': N/O, N/S PID = 0.0 ppm max.
	1	0.2'	4				
			2				
			1				
				9	▼		
			WOH/12"			9.0'-10.0': Fill-SILT and f to c SAND. Sample collected: E11STMGP-B24-0911	9'-11': N/O, N/S PID = 0.2 ppm max.
	2	N/A	20				
			50/3"			10.0'-10.5': Wood timbers.	
				11		E.O.B. at 10.5' bgs (Refusal due to wood)	
				13			
				15			
				17			

TRC

BORING No.: B-24B

SHEET 1 OF 1

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
St. Emeric's Church Parking Lot			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Chris Stratton	Morgan Evans	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
CME 75	3.25" Hollow Stem Auger	8/23/2004	8/23/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	10.5'	N/A

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN FEET	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
				1		0'-0.5': ASPHALT 0.5'-3.0': Fill-Lt tan very f to c SAND, some very f to m sub-rounded gravel and cobbles. Sample collected: E11STMGP-B24-0102	0.5'-3': N/O, N/S PID (headspace) = 2.6 ppm max.
				3		Sample collected: E11STMGP-B24-0202.5 3.0'-10.0': Brick chunks and fragments.	
				5			
				7			
				9	▼		
			25			10.0'-10.9': Wood timbers.	10'-12': N/O, N/S
		0.9'	42	11		Sample collected: E11STMGP-B24-1010.5	PID = 13.9 ppm max.
			50/1"			E.O.B. at 10.5'bgs (Refusal due to wood)	
				13			
				15			
				17			

TRC

BORING No.: B-24C

SHEET 1 OF 1

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
St. Emeric's Church Parking Lot			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Jeremy	Morgan Evans	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
CME 75	3.25" Hollow Stem Auger	8/25/2004	8/25/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	10.5'	9'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN FEET	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
				1		0'-0.5': ASPHALT 0.5'-5.0': Fill-Lt tan very f to c SAND, some very f to m sub-rounded gravel and cobbles.	0.5'-5': N/O, N/S PID (headspace) = 2.6 ppm max.
				3			
				5			
			5			5.0'-6.2': Fill-Grayish brown SILT, very f to c SAND, brick fragments and tr cobble. Wood timbers in shoe of spoon.	5'-7': N/O, N/S PID = 0.0 ppm max.
	1	1.2'	10				
			4				
			7			Sample collected: E11STMGP-B24-6.57	
			7				
			3			7.0'-9.0': Fill-Grayish brown SILT, very f to c SAND, brick fragments and tr cobble. Wood timbers in shoe of spoon.	7'-9': N/O, N/S PID = 0.0 ppm max.
	2	2.0'	5				
			7				
			7				
			4	9		9.0'-9.4': Fill-Grayish brown SILT, very f to c SAND, brick fragments and tr cobble. Wood timbers in shoe of spoon.	9'-11': N/O, N/S PID = 0.2 ppm max.
	3	0.4'	6			Sample collected: E11STMGP-B24-1010.5	
			50/1"				
				11		E.O.B. at 10.5'bgs (Refusal due to wood)	
				13			
				15			
				17			

TRC

BORING No.: B-25/MW-1

BORING LOG

SHEET 1 OF 2

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
St. Emeric's Parking Lot			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Chris Capabianco	Morgan Evans	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
CME 75	4.25" Hollow Stem Auger	8/20/2004	8/20/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	27'	10.5'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
						0'-0.9': ASPHALT	
				1		0.9'-5.0': Fill-Brown f to m SAND, some c gravel, cobbles, tr silt and brick fragments.	1'-2': N/O, N/S PID (headspace) = 0.9 ppm max.
							2'-3': N/O, N/S PID (headspace) = 0.4 ppm max.
				3			3'-4': N/O, N/S PID (headspace) = 0.4 ppm max.
							4'-5': N/O, N/S PID (headspace) = 0.2 ppm max.
				5			
				7		7.0'-7.2': Fill-Tan to lt brown very f to m SAND, some silt, gravel and brick fragments.	
	1	0.2'	2 1 2 4				
				9		9.0'-9.4': Fill-Tan to lt brown very f to m SAND, some silt, gravel and brick fragments.	9'-11': MGP-related odor, N/S PID = N/A
	2	0.5'	1 3 4		▼	9.4'-9.5': Fill-Black very f to m SAND, some silt, gravel and brick fragments.	
			2			Sample Collected: E11STMGP-B25-1010.5	
			2	11		11.0'-12.0': Fill-Black f to c SAND.	11'-13': Strong MGP-related odor, N/S, visible (OLM) PID = N/A
	3	1.0'	2 8 4				
			7	13			
			6			13.0': Fill-Black f to c SAND.	13'-15': MGP-related odor, N/S PID = N/A
	4	N/A	1 2				
			2	15		15.0': Fill-Tan to brown SILT and f to c SAND.	15'-17': Strong MGP-related odor, N/S and visible sheen PID = 0.0 ppm max.
	5	N/A	2 1 1				
			1	17		Sample Collected: E11STMGP-B25-16.517 17.0': Fill-Tan to brown SILT and f to c SAND.	
			WOH				
	6	N/A	4				

Sand
Bentonite Chips
Concrete
Well Screen

TRC

BORING No.: B-25/MW-1

BORING LOG

SHEET 2 OF 2

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
St. Emeric's Parking Lot			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Chris Capabianco	Morgan Evans	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
CME 75	4.25" Hollow Stem Auger	8/20/2004	8/20/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	27'	10.5'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
				19			17'-19': Strong MGP-related odor, N/S and visible sheen. PID = N/A
			WOH			19.0': Fill-SILT, very f to c SAND, ltl f to m gravel, tr brick fragments and cobbles.	
	8	N/A	3				19'-21': MGP-related odor, N/S and visible sheen. PID = N/A
			1				
			2	21			
			WORods				
	9	N/A	2				
			3				
			4	23		Sample collected: E11STMGP-B25-22.523	
				25			
				27		E.O.B. at 27' bgs	
				29			
				31			
				33			
				35		Well set at 25' bgs Screen interval from 8' to 23' bgs with a 2' sump from 23' to 25' bgs	

Sand
Bentonite Chips
Concrete
Well Screen

TRC

BORING No.: B-26

SHEET 1 OF 3

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
St. Emeric's Parking Lot			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Sean Miller	Morgan Evans	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Mobil B-61	4.25" Hollow Stem Auger	8/18/2004	8/18/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	39'	11'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
				1		0.0'-0.8': ASPHALT 0.5'-7.0': Fill-Black and m brown very f to c SAND, GRAVEL and brick clusters joined togther by mortar joints.	1'-7': N/O, N/S
				3			
				5			
				7			
	1	0.0'	5 4 3			7.0'-9.0': No Recovery. Fill-Brown f to c SAND and subrounded GRAVEL in shoe of spoon.	7'-9': N/O, N/S PID = 0.1 ppm max.
			5	9			
	2	0.0'	1 2 1			9.0'-11.0': No Recovery. Fill-Brown f to c SAND and subrounded GRAVEL in shoe of spoon.	9'-11': N/O, N/S PID = 0.0 ppm max.
			4	11	▼		
	3	0.8'	2 7 8			11.0'-11.8': Fill-SILT, f to c SAND, GRAVEL and tr f cobbles. Sample collected: E11STMGP-B26-11.011.5	
			6	13			
	4	0.6'	2 3 2			13.0'-13.6': Fill-SILT, f to c SAND, GRAVEL and tr f cobbles.	13'-15': N/O, N/S PID = 0.0 ppm max.
			4	15			
	5	N/A	3 4 3			15.0'-17.0': SM-Gray SILT, some f to c SAND and ltl f gravel.	15'-17': Odor, N/S PID = 10.0 ppm max.
			4	17			
	6	N/A	2 1			17.0'-19.0': SM-Gray SILT, some f to c SAND and ltl f gravel.	17'-19': N/A PID = N/A

TRC

BORING No.: B-26

SHEET 2 OF 3

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
St. Emeric's Parking Lot			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Sean Miller	Morgan Evans	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Mobil B-61	4.25" Hollow Stem Auger	8/18/2004	8/18/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	39'	11'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
			2				
			7	19			
			1			19.0'-21.0': SM-Gray SILT, some f to c SAND and ltl f gravel.	19'-21': Odor, N/S
	7	N/A	1				PID = 12.3 ppm max.
			1				
			3				
			5	21			
			2			21.0'-23.0': SP-Brown very f to m SAND.	21'-23': N/O, N/S
	8	N/A	3				PID = 0.9 ppm max.
			2				
			7				
			4	23		23.0'-25.0': SM-Brown SILT with 3" and 4" m brown f to c sand lenses and 2" tan silt lense.	23'-25': N/O, N/S
	9	N/A	4				PID = 0.9 ppm max.
			4				
			5				
			1	25		25.0'-26.4': SM-Brown SILT with 3" and 4" m brown f to c sand lenses and 2" tan silt lense.	25'-27': N/O, N/S
	10	1.4'	1				PID = 1.2 ppm max.
			2			Sample collected: E11STMGP-B26-2527	
			2				
			6	27		27.0' - 29.0: Sluff	27'-29': N/O, N/S
	11	N/A	4				PID = 1.4 ppm max.
			7				
			8				
			9	29		29.0'-31.0': SW-Very f to c SAND.	29'-31': Odor, N/S
	12	N/A	12				PID = 5.9 ppm max.
			10				
			6				
			8	31		31.0'-33.0': Running sands in the augers. Unable to collect a true sample.	31'-33': N/O, N/S
	13	N/A	18				PID = 3.8 ppm max.
			14				
			15				
			6	33		33.0'-35.0': Running sands in the augers. Unable to collect a true sample.	33'-35': N/O, N/S
	14	N/A	6				PID = 1.2 ppm max.
			9				
			13				
				35		35.0'-37.0': Did not sample this interval due to running sands int the augers.	
	15	N/A					

TRC

BORING No.: B-26

SHEET 3 OF 3

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
St. Emeric's Parking Lot			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Sean Miller	Morgan Evans	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Mobil B-61	4.25" Hollow Stem Auger	8/18/2004	8/18/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	39'	11'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
	16	N/A		37		37.0'-39.0': Running sands in the augers. Sample collected: E11STMGP-B26-3739	37'-39': N/A PID = N/A
				39		E.O.B. at 39' bgs (Boring complete due to running sands in the augers)	
				41			
				43			
				45			
				47			
				49			
				51			
				53			

TRC

BORING No.: B-27

SHEET 1 OF 1

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
DEP Building			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Jerry Keller	Scott Fischer	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
DK-50	4.25" Hollow Stem Auger	5/20/2004	5/20/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	13'	10'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN FEET	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
				1		0.0'-1.0': ASPHALT and GRAVEL.	
						1.0'-3.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments, concrete, metal and glass.	1'-3': N/O, N/S PID = 0.0 ppm max. 2'-3': Sl MGP-related odor, black staining
				3		Sample collected: E11STMGP-TT03-23	PID = 1.0 ppm max.
						3.0'-5.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments, concrete, asphalt, cobbles and tr ash and slag.	3'-5': N/O, N/S PID = 0.2 ppm max.
				5		5'-7': No recovery and brick in shoe.	
			9				
	1	0.0'	11				
			15				
			50/2"	7			
				9			
					▼		
			1			10.0'-12.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments and wood fibers.	10'-12': MGP-related odor (Pine odor), sheen, tr black staining
	2	2.0'	50/2"	11		Sample collected: E11STMGP-B27-1012	PID = 13.6 ppm max.
			50/6"			12.0''-14.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments and wood fibers. Wood in shoe.	12'-14': MGP-related odor (Pine odor), sheen, tr black staining
	3	2.0'		13		E.O.B. @ 13' bgs (Refusal due to wood timber)	PID = 10.9 ppm max.
				15			
				17			

TRC

BORING No.: B-32

SHEET 1 OF 3

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
Jacob Riis			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Sean Miller	Scott Fischer	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Mobile B-61	4.25" Hollow Stem Auger	4/6/2004	4/6/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	37'	7'

WELL CONSTRUCTION	SAMPLES NUMBER	SAMPLES RECOVERY IN INCHES	SAMPLES BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS f - fine m - medium c - coarse Lt - light Dk - dark tr - trace ltl - little sl-slight	REMARKS (PID, STAINING, ODORS, ETC.) N/S = No Staining N/O = No odors
						0.0'-0.5': Poured CONCRETE	
				1		0.5'-1.0': Fill-Dk brown f to c SAND, SILT, tr gravel, cobbles and brick fragments.	0.5'-1.0': N/O, N/S
						1.0'-4.0': Fill-Dk brown f to c SAND, SILT, tr gravel, cobbles, wood fibers and half and whole bricks.	PID = 0.0 ppm max.
							1'-2.5': N/O, N/S
							PID = 0.0 ppm max.
				3		2.5'-4.0': Tr fragments of slag also present.	2.5'-3': N/O, N/S
						3.0'-4.0': Tr fragments of coal also present.	PID = 0.0 ppm max.
							3'-4': N/O, N/S
						4.0': Concrete holder from former MGP structure encountered.	PID = 0.0 ppm max.
				5		5.0': Fill-Dk brown SILT, f to c SAND, gravel, concrete and brick fragments.	5'-7': Visible sheen, MGP-related odor, black staining in shoe
	1	N/A	12 24 50/5"			Sample collected: E11STMGP-B32-57	PID = 5.1 ppm max.
				7	▼	7.0'-7.6': Fill-Dk brown SILT, f to c SAND, gravel, concrete and brick fragments.	7'-9': Visible sheen, strong MGP-related odor, visible (OLM)
	2	0.6'	5 4 3				PID = 18.1 ppm max.
			6 6	9		9.0'-9.4': Fill-Black SILT, f to c SAND, GRAVEL and brick fragments.	9'-11': Visible sheen, strong MGP-related odor, visible (OLM) and (TLM)
	3	0.4'	6 3 2				PID = 16.5 ppm max.
			2	11		11.0'-11.5': Fill-Black SILT, f to c SAND, GRAVEL and brick fragments.	11'-13': Visible sheen, strong MGP-related odor, visible (OLM) and (TLM)
	4	0.5'	4 6 3				PID = 17.0 ppm max.
			1	13		13.0'-13.6': Fill-Black SILT, f to c SAND, tr f gravel.	13'-15': Visible sheen, strong MGP-related odor, visible (OLM) and (TLM)
	5	0.6'	1 3 5			Sample collected: E11STMGP-B32-1315	PID = 189 ppm max.
			5	15		15.0'-16.5': SW-Black f to c SAND, some silt and gravel	15'-17': Visible sheen, strong MGP-related odor, visible (OLM) and (TLM), reddish black staining.
	6	1.5'	5 5 4				
			10	17		17.0'-17.5': SM-Black SILT, f to m SAND, tr c sand, round f gravel and organics.	PID = 62.0 ppm max.
	7	0.5'	2				17'-19': Strong MGP-related odor,

TRC

BORING No.: B-32

SHEET 2 OF 3

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
Jacob Riis			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Sean Miller	Scott Fischer	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Mobile B-61	4.25" Hollow Stem Auger	4/6/2004	4/6/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	37'	7'

WELL CONSTRUCTION	SAMPLES: NUMBER	RECOVERY IN INCHES	BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
			8				visible (TLM) and (OLM)
			3	19			and (TLM) staining.
			3			19.0'-19.6': SW-Gray f to c SAND, coarsening with depth into c SAND and f GRAVEL and tr silt.	PID = 180 ppm max.
	8	0.6'	4				19'-21': Strong MGP-related odor,
			7				and (TLM) staining.
			11				PID = 85.0 ppm max.
			9	21		21.0'-22.5': ML-Gray f SAND (21.0'-21.5') grading to black silty CLAY.	21'-23': Visible sheen, strong
	9	1.5'	1				MGP-related odor, black
			7			Sample collected: E11STMGP-B32-2123	staining, visible (OLM)
			2				PID = 90.0 ppm max.
			3	23		23.0'-23.1': SW-Gray f to c SAND with non-Coal Gas Related Material	23'-25': Strong MGP-related odor,
	10	0.1'	9			wood fibers.	black staining and
			4				visible (OLM)
			2				PID = 134 ppm max.
			4	25		25'-27.0': SW-Dk gray f to c SAND, tr silt and f gravel.	25'-27': Stong MGP-related odor,
	11	2.0'	3				visible (TLM) and sheen.
			10				PID = 19.0 ppm max.
			4	27			
			2			27.0'-27.6': ML-Black silty CLAY.	27'-29': N/O, N/S inside of sample
	12	0.6'	3				core.
			4				PID = 6.0 ppm max.
			2				
			3	29		29.0'-29.6': SP-Dk gray f SAND, tr organics, roots, leaves and wood fibers.	29'-31': Strong MGP-related odor,
	13	0.6'	1				N/S and sheen.
			1				PID = 46.0 ppm max.
			5				
			9	31		31.0'-32.1': ML-Reddish brown sitly CLAY and gray silty clay	31'-33': N/O, N/S inside of sample
	14	1.1'	19			seams (1/8"-1/4" thick).	core.
			20				PID = 21.0 ppm max.
			35				
			6	33		33.0'-33.5': ML-Reddish brown sitly CLAY and gray silty clay	33'-35': N/O, N/S inside of sample
	15	0.5'	14			seams (1/8"-1/4" thick).	core.
			20				PID = 2.2 ppm max.
			25				35'-37': N/O, N/S inside of sample
			6	35		35.0'-36.0': ML/SP-Reddish brown silty CLAY (35.0'-35.5') grading to reddish	core.
	16	1.0'	12			brown very f SAND and tr silt. Gray silty clay seams (1/8"-1/4" thick).	PID = 0.2 ppm max.

TRC

BORING No.: B-32

SHEET 3 OF 3

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
Jacob Riis			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Sean Miller	Scott Fischer	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Mobile B-61	4.25" Hollow Stem Auger	4/6/2004	4/6/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	37'	7'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
			25 37	37		Sample collected: E11STMGP-B32-3537	
						E.O.B. at 37' bgs	
				39			
				41			
				43			
				45			
				47			
				49			
				51			
				53			

TRC

BORING No.: B-33

SHEET 1 OF 2

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
DEP Building			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Sean Miller	Scott Fischer	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Mobile B-61	4.25" Hollow Stem Auger	4/21/2004	4/21/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	31'	4'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
						0.0'-0.4': Poured CONCRETE/ 0.4'-0.5': GRAVEL subbase.	
				1		0.5'-1.0': Fill-Brown very f SAND, SILT and CLAY, some gravel, brick, metal, concrete and wood fibers.	0.5'-1.0': N/O, N/S PID = 0.0 ppm max.
						1.0'-3.0': Fill-Brown SILT, f to c SAND, GRAVEL, CLAY, brick fragments, wood fibers and coal and coke fragments.	1'-3': Black stained gravel, N/O PID = 0.0 ppm max.
				3		3.0'-5.0': Fill-Gray very f SAND, some silt, clay, tr m to c sand and gravel.	3'-5': Black staining throughout, strong wood/organic odor and sl. DRO odor.
						Collected sample E11STMGP-B33-45	PID (headspace): 9,999 ppm max.
				5		5.0'-5.05': Fill-Dk gray SILT, f to c SAND and GRAVEL.	5'-7': Visible sheen, MGP-related odor PID = 14.3 ppm max.
	1	0.05'	10 5 9 13				
				7		7.0'-7.8': Fill-Dk gray SILT, f to c SAND, GRAVEL and coal fragments.	7'-9': Visible sheen, MGP-related odor, visible (OLM) PID = 1,731 ppm max.
	2	0.8'	1 2 2 3			Collected sample E11STMGP-B33-79	
				9		9.0'-9.4': Fill-Brown SILT f to c SAND and tr wood fibers.	9'-11': Visible sheen, MGP-related odor, visible (OLM), and black staining. PID = 992 ppm max.
	3	0.4'	1 4 24 23				
				11		11.0'-12.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments and wood fibers.	11'-13': Visible sheen, MGP-related odor, visible (OLM), and black staining. PID = 1,200 ppm max.
	4	1.0'	2 6 4 7				
				13		13.0'-13.8': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments and wood fibers.	13'-15': Visible sheen, MGP-related odor, visible (OLM), and black staining.
	5	1.0'	1 4 12 6			13.8'-14.0': 2" concrete/mortar seam in spoon.	PID = 80.4 ppm max.
				15		15.0'-15.3': Fill-Dk brown SILT, f to c SAND, GRAVEL and brick fragments.	15'-17': Visible sheen, MGP-related odor, visible (OLM) and black staining. PID = 80.4 ppm max.
	6	0.3'	5 4 7 5				
				17		17.0'-17.4': Fill-Dk gray SILT, f to c SAND, GRAVEL, brick fragments and slag.	17'-19': Visible sheen, MGP-related odor, visible (OLM) and
	7	0.4'	4 5				

TRC

BORING No.: B-33

SHEET 2 OF 2

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
DEP Building			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Sean Miller	Scott Fischer	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Mobile B-61	4.25" Hollow Stem Auger	4/21/2004	4/21/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	31'	4'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
			50/0				black staining.
				19			PID = 37.0 ppm max.
			13			19.0'-19.6': Fill-Dk gray SILT, f to c SAND, GRAVEL, brick fragments, slag and glass.	19'-21': Visible sheen, MGP-related odor, visible (OLM) and (TM) and black staining.
	8	0.6'	23				
			14				
			9				PID = 80.4 ppm max.
				21			
			12			21.0'-21.6': Fill-Dk gray SILT, f to c SAND, GRAVEL, brick fragments, slag and glass.	21'-23': Visible sheen, MGP-related odor, visible (OLM) and tr (TM) and black staining.
	9	0.6'	36				
			15				
			19				PID = 20.4 ppm max.
				23			
			12			23': Fill-Gray SILT, CLAY, tr sand, gravel, wood fibers and coal fragments.	23'-25': Visible sheen, MGP-related odor, visible (OLM) and tr (TM) and black staining.
	10	N/A	50/1				
							PID = 654 ppm max.
				25			
			6			25'-25.8': Fill-Dk gray silty SAND, tr gravel and brick fragments.	25'-27': Visible sheen, MGP-related odor, visible (OLM) and tr (TM) and black staining.
	11	0.8'	4				
			5				
			1				PID = 50.2 ppm max.
				27			
			9			27'-27.1': Fill-Dk grayish brown silty SAND, some gravel and tr brick fragments. 2" of gray silty CLAY in shoe.	27'-29': Visible sheen, tr (OLM), sl MGP-related odor.
	12	0.1'	14				
			12				PID = 99 ppm max.
			14				
				29			
			3			29.0'-31.0': ML-Gray silty CLAY with tr f sand.	29'-29.5': Visible sheen, tr (OLM), sl MGP-related odor.
	13	2.0'	9				
			13				29.5'-31': N/O, N/S in interior of clay.
			15				PID = 15.4 ppm max.
				31		E.O.B. @ 31' bgs	
				33			
				35			

TRC

BORING No.: B-34

SHEET 1 OF 2

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
DEP Building			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Sean Miller	Scott Fischer	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Mobile B-61	4.25" Hollow Stem Auger	4/14004	4/14/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	29'	7'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
						0.0'-0.5': ASPHALT	
				1		0.5'-1.0': Fill-Dk to m brown f to c SAND, SILT, tr gravel, cobbles and brick fragments.	0.5'-1.0': N/O, N/S PID = 0.0 ppm max.
						1.0'-5.0': Fill-Dk brown f to c SAND, SILT, tr gravel, cobbles, slag and coke fragments.	1'-2': N/O, N/S PID = 0.0 ppm max.
				3			2'-4': N/O, N/S PID = 0.0 ppm max.
							4'-5': N/O, N/S PID = 0.5 ppm max.
				5			
			5			5.0'-5.5': Fill-Brown SILT, f to c SAND, GRAVEL, concrete and brick fragments.	5'-7': N/O, N/S
	1	0.5'	7			Sample collected: E11STMGP-B34-57	PID = 2.8 ppm max.
			4				
			4	7	▼		
			5			7.0'-7.5': Fill-Brown SILT, f to c SAND, GRAVEL, concrete, black stained brick fragments and wood fibers.	7'-9': MGP-related odor, sl sheen, black stained brick. PID = 10.1 ppm max.
	2	0.5'	3				
			3				
			3	9			
			5			9.0'-11.0': No Recovery.	
	3	0.0'	4				
			2				
			1	11			
			2			11.0'-11.1': Fill-Dk brown SILT, f to c SAND, f GRAVEL and brick fragments.	11'-13': MGP-related odor, N/S, sheen PID = 3.4 ppm max.
	4	0.1'	2				
			1				
			4	13			
			3			13.0'-13.6': Fill-Dk brown SILT, f to c SAND, f GRAVEL and brick fragments.	13'-15': Strong MGP-related odor, N/S, sheen, visible product PID = 148 ppm max.
	5	0.6'	3				
			2				
			50/3"	15			
			7			15.0'-15.5': Fill-Dk brown SILT, f to c SAND, f GRAVEL and brick fragments.	15'-17': Visible sheen, strong coal tar odor, visible (OLM) and (TLM), reddish black staining.
	6	0.5'	6				
			6				
			9	17			
			1			17.0'-19.0': Fill-Dk brown SILT, f to c SAND and tr to some f to m gravel.	PID = 380 ppm max.
	7	2.0'	4			Sample collected: E11STMGP-B34-1719	17'-19': Strong MGP-related odor,

TRC

BORING No.: B-34

SHEET 2 OF 2

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
Jacob Riis			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Sean Miller	Scott Fischer	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Mobile B-61	4.25" Hollow Stem Auger	4/14004	4/14/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	29'	7'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
			2				visible (TLM) and (OLM)
			13	19			and black staining.
			1			19.0'-19.8': Fill-F to c SAND, GRAVEL and slag fragments.	PID = 984 ppm max.
	8	0.8'	5				19'-21': Strong MGP-related odor,
			18				sheen, black staining,
			9				visible (OLM)
			8	21		21.0'-22.0': SM-Dk brown sandy SILT and tr f rounded gravel.	PID = 241 ppm max.
	9	1.0'	5				21'-23': Strong MGP-related odor,
			9				sheen, black staining,
			13				visible (OLM) and (TLM).
			3	23		23.0'-23.1': SM-Dk brown sandy SILT and tr f rounded gravel.	PID = 368 ppm max.
	10	0.1'	5				23'-25': Strong MGP-related odor,
			9				black staining and sheen
			12				PID = 88 ppm max.
			2	25		25.0'-25.4': ML-Black silty CLAY	
	11	1.8'	6			25.4'-26.8': SP-Gray f to m SAND.	25'-27': N/O, N/S in the interior of
			7				the clay in the spoon *
			15				PID = 6.0 ppm max.
			5	27		27.0'-28.5': SP-Gray f to m SAND.	
	12	1.5'	7				27'-29': N/O, N/S in the interior of
			11				the clay in the spoon *
			9				PID = 5.5 ppm max.
				29		E.O.B. at 29' bgs	
							Note: * A representative sample
							could not be collected.
				31			
				33			
				35			

TRC

BORING No.: B-35

SHEET 1 OF 1

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
Jacob Riis			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Jerry Heller	Jessica Elliott	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
DK-50	4.25" Hollow Stem Auger	4/26/2004	4/26/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	7.5'	N/A

WELL CONSTRUCTION	SAMPLES NUMBER	SAMPLES RECOVERY IN INCHES	SAMPLES BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
				1		0.0'-1.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments, concrete, metal and glass.	1'-3': N/O, N/S PID = 0.0 ppm max.
						1.0'-3.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments, concrete, metal, glass and tr coal and coke fragments.	
				3		3.0'-5.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments, concrete, metal, glass and tr coal and coke fragments.	3'-5': N/O, N/S PID = 3.3 ppm max.
				5			
			N/A			5.0'-5.4': Fill-Dk brown SILT, f to c SAND, GRAVEL, tr concrete, brick fragments and non-CGRM wood fibers.	5'-7': N/O, N/S PID = 1.9 ppm max.
	1	0.4'				Sample collected: E11STMGP-B35-57	
				7		7.0'-9.0': No Recovery/Refusal	
	2	0.0'				E.O.B. at 7.5' bgs (Refusal)	
				9			
				11			
				13			
				15			
				17			

TRC

BORING No.: B-37

SHEET 1 OF 2

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
Jacob Riis			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Sean Miller	Scott Fischer	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
CME-57	4.25" Hollow Stem Auger	4/20/2004	4/20/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	33'	11'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
						0.0'-0.5': ASPHALT	
				1		0.5'-5.0': Fill-Dk brown SILT, f to c SAND, some gravel, brick fragments and cobbles.	1'-2': N/O, N/S PID = 0.0 ppm max.
				3			2'-4': N/O, N/S PID = 0.0 ppm max.
							4'-5': N/O, N/S PID = 0.5 ppm max.
				5			
			6			5.0'-5.5': Fill-Dk brown SILT, f to c SAND, brick fragments, concrete and ash.	5'-7': Sl solvent odor, N/S PID = 0.9 ppm max.
	1	0.5'	7				
			1			Sample collected: E11STMGP-B37-57	
			1				
			18	7		7.0'-8.0': Fill-Dk brown SILT, f to c SAND, brick fragments, concrete, ash and non-CGRM wood timbers.	7'-9': Strong solvent and MGP-related odor, black staining PID = 259 ppm max.
	2	1.0'	39				
			2				
			5				
			4	9		9.0'-9.3': Fill-Dk gray SILT, f to c SAND, brick fragments and wood fibers.	9'-11': Strong solvent and MGP-related odor, black staining PID = 1,058 ppm max.
	3	0.3'	4				
			3				
			9		▼		
			4	11		11.0'-12.2': Fill-Black stained SILT, f to c SAND, tr gravel, brick fragments and wood fibers.	11'-13': Strong MGP-related odor PID = 1,860 ppm max.
	4	1.2'	2				
			2			Sample collected: E11STMGP-B37-1113	
			2				
			3	13		13.0-13.1': Fill-Black stained SILT, f to c SAND, tr gravel, brick fragments and wood fibers.	13'-15': Strong MGP-related odor PID = 76.0 ppm max.
	5	0.1'	7				
			3				
			3				
			3	15		15.0'-15.3': Fill-Black stained SILT, f to c SAND, tr gravel, brick fragments, wood fibers and slag.	15'-17': Strong MGP-related odor PID = 162 ppm max.
	6	0.3'	2				
			4				
			2				
			WOH	17		17.0'-17.8': Fill-Brown SILT, f to c SAND, tr gravel and organics.	17'-19': Strong MGP-related odor, black staining, visible (OLM)
	7	0.8'	2				

TRC

BORING No.: B-37

SHEET 2 OF 2

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
Jacob Riis			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Sean Miller	Scott Fischer	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
CME-57	4.25" Hollow Stem Auger	4/20/2004	4/20/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	33'	11'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
			3				PID = 265 ppm max.
			3	19			
			3			19.0'-20.5': Fill-Dk gray SILT, f to c SAND, brick fragments, concrete and slag.	19'-21': Strong MGP-related odor, black staining, visible (TLM)
	8	1.5'	3				
			2				PID = 166 ppm max.
			5	21			
			2			21.0'-22.5': Fill-Dk gray SILT, f to c SAND, brick fragments, concrete and slag.	21'-23': Strong MGP-related odor, blebs of (TLM).
	9	1.5'	7				PID = 126 ppm max.
			5				
			12	23			
			18			23.0'-24.0': Fill-Gray f SAND, tr silt, brick fragments and concrete.	23'-25': Strong MGP-related odor, black staining.
	10	1.0'	50/2"				PID = 99.0 ppm max.
				25			
			18			25.0'-25.7': Fill-Gray f SAND, tr silt, brick fragments and concrete and non-Coal Gas Related Material wood fibers in shoe.	25'-27': Strong MGP-related odor, black staining.
	11	0.7'	12				PID = 129 ppm max.
			22				
			12	27			
			9			27.0'-28.0': Fill-Gray f SAND, tr silt, brick fragments and concrete and non-CGRM wood fibers in shoe.	27'-29': MGP-related odor, black staining.
	12	1.5'	8				PID = 29.0 ppm max.
			7			28.0'-28.5': ML-Black silty CLAY and tr to some organics.	
			5	29			
			4			29.0'-29.5': ML-Black silty CLAY and tr to some organics.	29'-31': N/O, N/S in interior of clay *
	13	1.9'	3			29.5'-30.9': SP-Dk gray f to m SAND and tr silt.	PID = 12.0 ppm max.
			7				
			7	31			
			4			31.0'-33.0': SP-Dk gray f to m SAND and tr silt.	31'-33': N/O, N/S in interior clay *
	14	2.0'	3				PID = 10 ppm max
			2				
			2				Note: * A representative sample could not be collected.
				33		E.O.B at 33' bgs	
				35			

TRC

BORING No.: B-38

BORING LOG

SHEET 1 OF 1

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
Jacob Riis			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Jerry Heller	Jessica Elliott	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
DK-50	4.25" Hollow Stem Auger	4/20/2004	4/20/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	16'	8'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
						0.0'-0.3': Poured CONCRETE/ 0.3'-0.5': GRAVEL subbase	
				1		0.5'-5.0': Fill-Brown SILT, f to c SAND, GRAVEL, brick fragments, concrete, roots, glass and metals.	0.5'-3': N/O, N/S PID = 0.0 ppm max.
				3		3.0'-5.0': Whole and half bricks.	3'-5': N/O, N/S PID = 0.0 ppm max.
			6	5		5.0'-5.5': Fill-Brown SILT, f to c SAND, large chunks and fragments of brick.	5'-7': N/O, N/S PID = 1.0 ppm max.
	1	0.5'	15				
			50/5"				
				7		7.0'-8.0': Drilled through to break out of brick layer.	7'-9': N/O, N/S PID = 0.2 ppm max.
			1		▼	8.0'-8.7': Fill-Brown f to c SAND, tr silt and large chunks and fragments of brick.	8'-10': N/O, N/S PID = 0.8 ppm max.
	2	0.7'	1	9			
			5				
			8				
			12			10.0'-10.4': Fill-Brown f to c SAND, tr silt and large chunks and fragments of brick.	10'-12': Sl solvent odor, N/S, sheen PID = 4.0 ppm max.
	3	0.4'	8	11			
			9			Sample collected: E11STMGP-B38-1012	
			18				
			3			12.0'-12.9': Fill-Brown f to c SAND, tr silt and large chunks and fragments of brick. Silt content increasing with depth.	12'-14': Sl solvent odor, N/S, sl sheen PID = 0.0 ppm max.
	4	0.9'	13	13			
			12				
			5				
			3			14.0'-14.3': Fill-F to c SAND, GRAVEL and brick fragments.	14'-16': N/O, N/S, sl sheen PID = 1.6 ppm max.
	5	0.3'	4	15			
			8				
			9			Sample collected: E11STMGP-B38-1618	
						E.O.B. at 16' bgs	
				17			

TRC

BORING No.: B-39/MW-4

BORING LOG

SHEET 1 OF 2

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
Jacob Riis			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Sean Miller	Scott Fischer	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Mobile B-61	4.25" Hollow Stem Auger	4/15/2004	4/15/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	21'	7'

WELL CONSTRUCTION	SAMPLES NUMBER	SAMPLES RECOVERY IN INCHES	SAMPLES BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
						0'-0.4': Poured CONCRETE/ 0.4'-0.5': GRAVEL subbase.	
				1		0.5'-1.0': Fill-Brown SILT, f to c SAND, GRAVEL, concrete, glass, metal and brick fragments.	0.5'-1.0': N/O, N/S PID = 0.0 ppm max.
						1.0'-4.0': In place bricks with mortar joints.	1'-3': N/O, N/S PID = 0.0 ppm max.
				3			3'-4': N/O, N/S PID = 0.0 ppm max.
				5			
			5			5.0'-7.0': No Recovery.	
	1	0.0'	3				
			3				
			5		▼		
			4	7		7.0'-7.1': Fill-Dk brown SILT, f to c SAND, GRAVEL, asphalt and brick fragments.	7'-9': Asphalt odor, N/S PID = 1.6 ppm max.
	2	0.1'	3				
			2				
			1				
			1	9		9.0'-10.1': Fill-Dk brown silty f SAND, tr gravel and organics (leaves and roots).	9'-11': Organic odor, N/S PID = 0.4 ppm max.
	3	1.1'	1				
			4				
			31				
			4	11		11.0'-11.5': Fill-Dk brown silty f SAND, tr gravel and organics (leaves and roots).	11'-13': N/O, N/S, PID = 0.3 ppm max.
	4	0.5'	7				
			8				
			10				
			2	13		13.0'-13.9': Fill-Dk brown SILT, f to c SAND and organics.	13'-15': Organic odor, N/S, PID = 0.4 ppm max.
	5	1.0'	1				
			3			13.9'-14.0': ML-Dk gray silty CLAY.	
			3				
			4	15		15.0'-16.0': SM-Dk gray silty f SAND, tr clay and organics.	15'-17': Organic odor, N/S, PID = 0.1 ppm max.
	6	1.0'	6				
			8				
			3				
			3	17		17.0'-17.8': SM-Dk gray silty f SAND, tr clay and organics.	
	7	0.8'	5				

Sand
Bentonite Chips
Concrete
Well Screen

TRC

BORING No.: B-39/MW-4

BORING LOG

SHEET 2 OF 2

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
Jacob Riis			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Sean Miller	Scott Fischer	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Mobile B-61	4.25" Hollow Stem Auger	4/15/2004	4/15/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	21'	7'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
			10				17'-19': N/O, N/S
			11	19			PID = 0.1 ppm max.
			1			19.0'-21.0': SM-Dk brown silty f SAND and tr clay.	
	8	2.0'	2				19'-21': N/O, N/S
			2			Sample collected: E11STMGP-B39-1921	PID = 0.0 ppm max.
			4	21			
						E.O.B. at 21' bgs	
				23			
				25			
				27			
				29			
				31			
				33			
				35		Well set at 20' bgs	
						Screen interval from 3' to 18' bgs with a 2' sump from 18' to 20' bgs	

Sand
Bentonite Chips
Concrete
Well Screen

TRC

BORING No.: B-40

SHEET 1 OF 1

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
St. Emeric's School Basement			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Jerry Heller	Morgan Evans	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Jackhammer	Jackhammer Point	8/26/2004	8/26/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
4' Macrocore	Macrocore	4.5'	N/A

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
				1		0.0'-0.2': CONCRETE/0.2'-0.4': GRAVEL 0.4'-4.5': Fill-Peet GRAVEL, some silt and f to c sand.	0.4'-4.5': N/O, N/S PID = 0.3 ppm max.
				3		Sample collected: E11STMGP-B40-4.04.5	
				5		E.O.B. at 4.5' bgs (Refusal due to smooth concrete surface)	
				7			
				9			
				11			
				13			
				15			
				17			

TRC

BORING No.: B-40A

SHEET 1 OF 1

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
St. Emeric's School Basement			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Jerry Heller	Morgan Evans	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Jackhammer	Jackhammer Point	8/26/2004	8/26/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
4' Macrocore	Macrocore	4'	N/A

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
				1		0.0'-0.2': CONCRETE/0.2'-0.4': GRAVEL 0.4'-4.5': Fill-Peet GRAVEL, some silt and f to c sand.	0.4'-4': N/O, N/S PID = 0.3 ppm max.
				3		Sample collected: E11STMGP-B40A-3.54.0	
				5		E.O.B. at 4.0' bgs (Refusal due to smooth concrete surface)	
				7			
				9			
				11			
				13			
				15			
				17			

TRC

BORING No.: B-41

SHEET 1 OF 1

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
Jacob Riis			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Jerry Heller	Jessica Elliott	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
DK-50	4.25" Hollow Stem Auger	4/22/2004	4/22/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	5.5'	N/A

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
				1		0.0'-1.0': Grass at surface. Dk brown SILT, f to c SAND, GRAVEL, brick fragments and roots.	0.5'-3': N/O, N/S
						1.0'-3.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, and in place bricks with Mortar joints at 3.0' bgs	PID = 0.0 ppm max.
				3			
			12			3.0'-3.3': Fill-Mostly BRICK with dk brown silt, f to m sand, tr gravel. 2" of concrete in shoe.	3'-5': N/O, N/S
	1	0.3'	50/2"			Sample collected: E11STMGP-B41-35	PID = 3.3 ppm max.
				5		5.0': Transition from brick to concrete.	
						E.O.B. at 5.5' bgs (Refusal due to concrete)	
				7			
				9			
				11			
				13			
				15			
				17			

TRC

BORING No.: B-45

SHEET 1 OF 2

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
Jacob Riis			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Sean Miller	Jessica Elliott	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
DK-50	4.25" Hollow Stem Auger	5/19/2004	5/19/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	27'	9'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
				1		0.0'-2.0': Grass at surface. Dk brown SILT, f to c SAND, GRAVEL, brick fragments, concrete, glass, metal, tr coal and coke fragments.	0'-2': N/O, N/S PID = 0.0 ppm max.
				3		2.0'-4.9': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments, concrete, glass, metal, tr coal and coke fragments and whitish ash at 3'-4'.	2'-4.9': N/O, N/S PID = 0.0 ppm max.
				5		4.9': Brick rubble.	
	1	0.2'	2 1 2 4	7		5.0'-5.2': Fill-Lt brown SILT, f to m SAND, brick fragments, non-CGRM wood fibers and coal fragments. 7.0'-7.2': Fill-Lt brown SILT, f to m SAND, brick fragments, non-CGRM wood fibers and coal fragments.	5'-7': N/O, N/S PID = 0.2 ppm max. 7'-9': N/O, N/S PID = 2.7 ppm max.
	2	0.2'	5 4 2 5	9	▼	Sample collected: E11STMGP-B45-79	
	3	1.4'	9 11 12 55	11		9.0'-10.0': Fill-Brown f to c SAND, tr silt, gravel and brick fragments. 10.0'-10.4': Fill-Dk brown SILT, f to m SAND, tr c sand, gravel, brick fragments and coal fragments.	9'-11': MGP-related odor, tr black staining, sheen PID = 3.3 ppm max.
	4	0.5'	11 13 20 14	13		11.0'-11.5': Fill-Dk brown SILT, f to c SAND, some gravel, brick fragments and non-CGRM wood fibers.	11'-13': MGP-related odor, black staining, sheen, visible (OLM) PID = 7.7 ppm max.
	5	0.6'	10 15 15 20	15		13.0'-13.6': Fill-Dk brown SILT, f to c SAND, some gravel, brick fragments and non-CGRM wood fibers.	13'-15': MGP-related odor, black staining, sheen, visible (OLM) PID = 4.6 ppm max.
	6	2.0'	WOH 50/6"	17		15.0'-17.0': Fill-Dk gray SILT, f to c SAND, some gravel, brick fragments and non-CGRM wood fibers. 17.0'-20.0': Hit refusal with spoon, so auger through interval.	15'-17': MGP-related odor, black staining, sheen, visible (OLM), tr (TLM) blebs. PID = 7.7 ppm max.

TRC

BORING No.: B-45

SHEET 2 OF 2

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
Jacob Riis			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Sean Miller	Jessica Elliott	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
DK-50	4.25" Hollow Stem Auger	5/19/2004	5/19/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	25'	9'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
				19			
			WOH			20.0'-21.4': Fill-Dk gray SILT, f to c SAND, some gravel, brick fragments and non-CGRM wood fibers.	20'-22': Strong MGP-related odor, black staining, sheen, visible (OLM) and (TLM)
	7	2.0'	WOH	21			PID = 326 ppm max.
			5			21.4'-22.0': Fill-M to c SAND, some gravel, tr silt and f sand and coal fragments.	
			5				
			5			22.0'-23.5': Fill-M to c SAND, some gravel, tr silt and f sand and coal fragments.	22'-24': Strong MGP-related odor, black, staining, sheen, (OLM) and (TLM)
	8	1.5'	14	23		Sample collected: E11STMGP-B45-2224	PID = 346 ppm max.
			20				
			50/2"				
			5			24.0'-25.2': Fill-Dk brownish black stained SILT, f to c SAND, some gravel, brick fragments and non-CGRM wood fibers.	24'-26': MGP-related odor, black staining, sheen, visible (OLM) and tr (TLM)
	9	1.2'	14	25		E.O.B. at 25' bgs (Refusal)	PID = 386 ppm max.
			60/2"				
				27			
				29			
				31			
				33			
				35			

TRC

BORING No.: B-46

SHEET 1 OF 1

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000		
ADDRESS		**ELEVATION/DATUM**	
Jacob Riis			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Sean Miller	Scott Fischer	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Mobile B-61	4.25" Hollow Stem Auger	5/20/2004	5/20/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	10.0'	7'

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
						0.0'-0.7': Poured CONCRETE/ 0.7'-1.0': GRAVEL subbase	
				1		1.0'-3.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments, concrete, metal, glass and large cobbles.	1'-3': N/O, N/S PID = 0.0 ppm max.
				3		3.0'-5.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments, concrete, metal, glass and large cobbles.	3'-5': N/O, N/S PID = 3.3 ppm max.
			14	5		5.0'-5.1': Fill-Tan f to c SAND, some f to m gravel.	5'-7': N/O, N/S
	1	0.1'	6				PID = 1.9 ppm max.
			6				
			12		▼		
			11	7		7.0'-7.8': Fill-Tan and gray f to c rounded GRAVEL, some f to c sand and tr silt.	
	2	0.8'	8				
			7			Sample collected: E11STMGP-B46-79	
			14				
			13	9		9.0'-9.3': Fill-Tan and gray f to c rounded GRAVEL, some f to c sand, tr silt and non-Coal Gas Related Material wood timbers in shoe.	
	3	0.3'	37				
			50/2"			E.O.B. at 10.0' bgs (Refusal due to wood timbers)	
				11			
				13			
				15			
				17			

TRC

BORING No.: B-56

SHEET 1 OF 1

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.	AREA OF SITE	
E 11th St MGP SCS/Con Edison	39656-0600-10000	S of Former Gas Holder No.9	
ADDRESS		**ELEVATION/DATUM**	
12th St northern sidewalk, S of St. Emeric's School			
DRILLING CONTRACTOR	**DRILLER**	**TRC INSPECTOR**	
ADT	Victor	Jessica Elliott	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
CME LC-60	4.25" Hollow Stem Auger	9/1/2004	9/1/2004
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH (feet below ground surface (ft bgs))**	**WATER LEVEL (ft bgs)**
2" Split Spoon	140 lbs./30"	4.0'	N/A

WELL CONSTRUCTION	SAMPLES: NUMBER	SAMPLES: RECOVERY IN INCHES	SAMPLES: BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little sl-slight)	REMARKS (PID, STAINING, ODORS, ETC.; N/S = No Staining; N/O = No odors)
				1		0.0'-0.5': Poured CONCRETE 0.5'-1.0': Fill-Dk brown SILT, f to c SAND and COBBLES. 1.0'-4.0': Fill-Lt brown SILT, f to c SAND, some gravel and concrete and tr concrete fragments. 2.5': Large boulder blocking hole Sample collected: E11STMGP-B56-34 4.0': Flat concrete surface. Unable to break through.	0.5'-1': N/O, N/S PID = 2.8 ppm max. 1'-2.5': N/O, N/S PID = 1.8 ppm max. 2.5'-4': Gasoline-like odor, N/S PID = 14.4 ppm max.
				3			
				5			
				7			
				9			
				11			
				13			
				15			
				17		E.O.B. at 4.0' bgs. (Refusal due to concrete slab)	

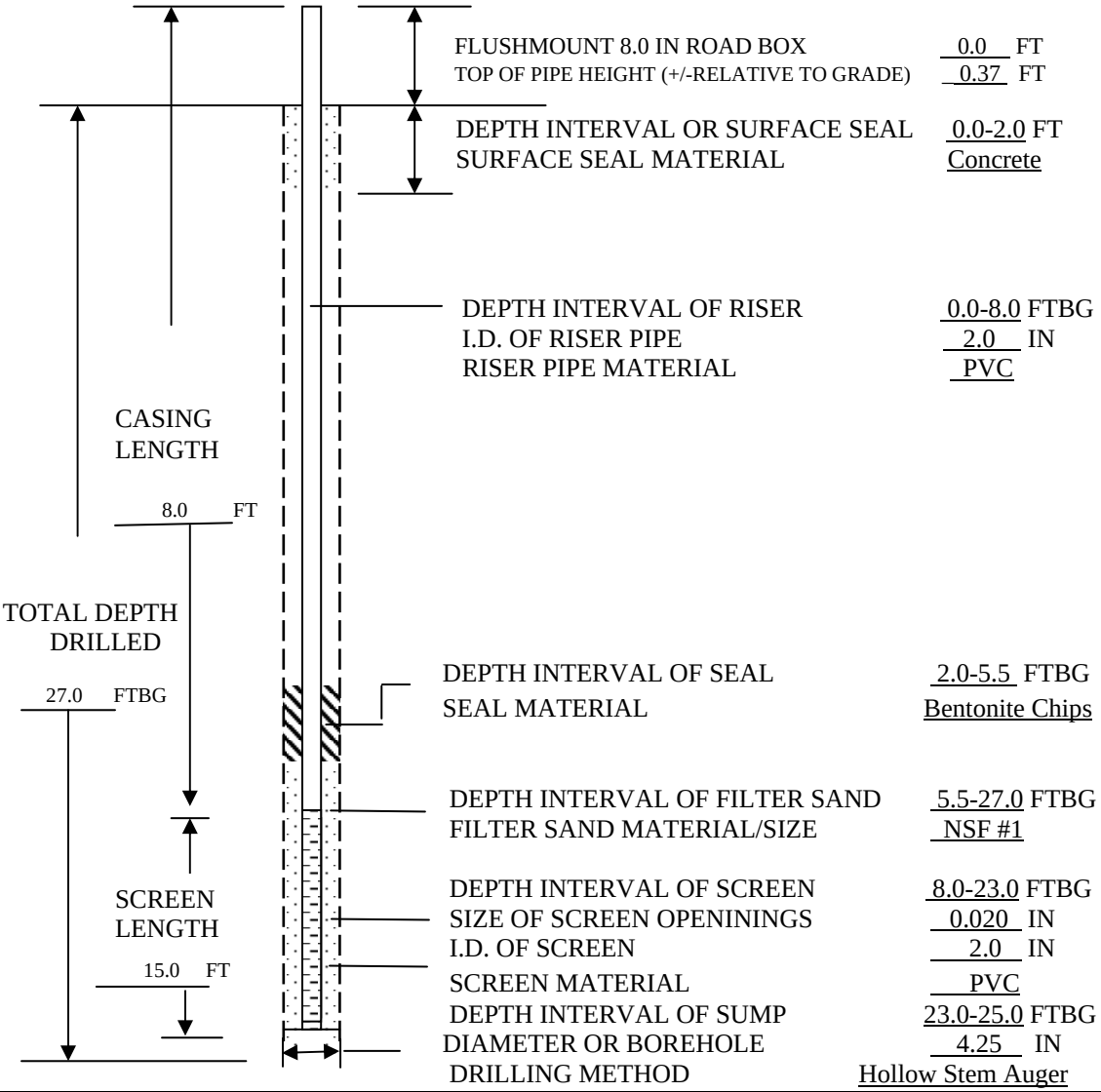
TRC

TRC Environmental Corp.

MONITORING WELL
CONSTUCTION DETAILS

PROJECT E 11th Street MGP SCS
LOCATION St. Emeric's Parking Lot
GROUND ELEVATION 8.495 ft
ELEVATION OF TOP OF WELL 8.125 ft
DRILLER Chris Capabianco

WELL MW-1
DEPTH TO WATER LEVEL 8.61 **FTBTOC**
WATER LEVEL ELEVATION -0.485 ft
DATE OF MEASUREMENT 10/12/2004
TRC PERSONNEL Morgan Evans



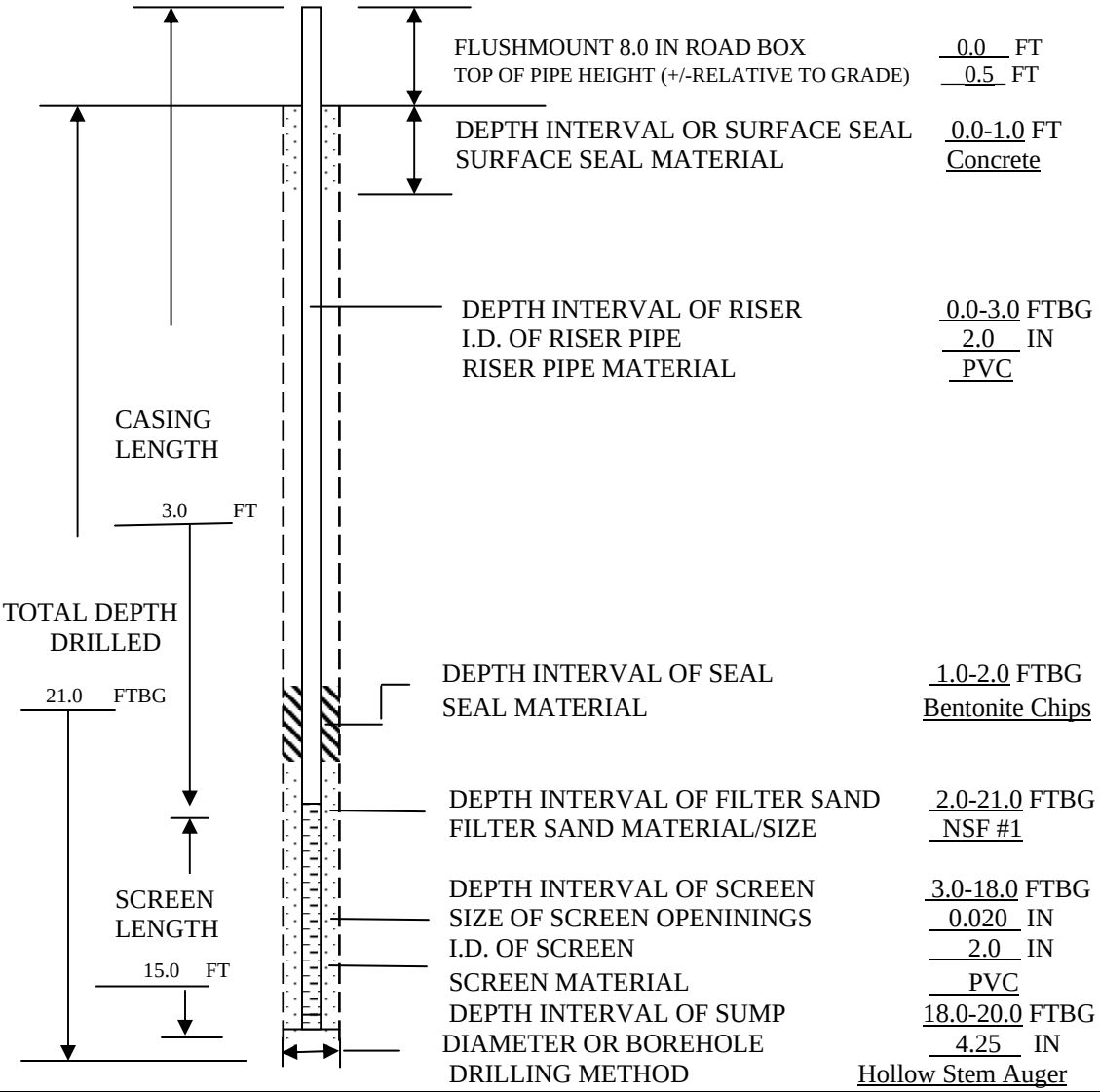
FLUSHMOUNT 8.0 IN ROAD BOX	0.0 FT
TOP OF PIPE HEIGHT (+/-RELATIVE TO GRADE)	0.37 FT
DEPTH INTERVAL OR SURFACE SEAL	0.0-2.0 FT
SURFACE SEAL MATERIAL	Concrete
DEPTH INTERVAL OF RISER	0.0-8.0 FTBG
I.D. OF RISER PIPE	2.0 IN
RISER PIPE MATERIAL	PVC
DEPTH INTERVAL OF SEAL	2.0-5.5 FTBG
SEAL MATERIAL	Bentonite Chips
DEPTH INTERVAL OF FILTER SAND	5.5-27.0 FTBG
FILTER SAND MATERIAL/SIZE	NSF #1
DEPTH INTERVAL OF SCREEN	8.0-23.0 FTBG
SIZE OF SCREEN OPENININGS	0.020 IN
I.D. OF SCREEN	2.0 IN
SCREEN MATERIAL	PVC
DEPTH INTERVAL OF SUMP	23.0-25.0 FTBG
DIAMETER OR BOREHOLE	4.25 IN
DRILLING METHOD	Hollow Stem Auger

TRC Environmental Corp.

MONITORING WELL
CONSTUCTION DETAILS

PROJECT E 11th Street MGP SCS
LOCATION NW Side of Jacob Riis
GROUND ELEVATION 6.635 ft
ELEVATION OF TOP OF WELL 6.135 ft
DRILLER Sean Miller

WELL MW-2
DEPTH TO WATER LEVEL 5.37 **FTBTOC**
WATER LEVEL ELEVATION 0.765 ft
DATE OF MEASUREMENT 10/12/2004
TRC PERSONNEL Scott Fischer

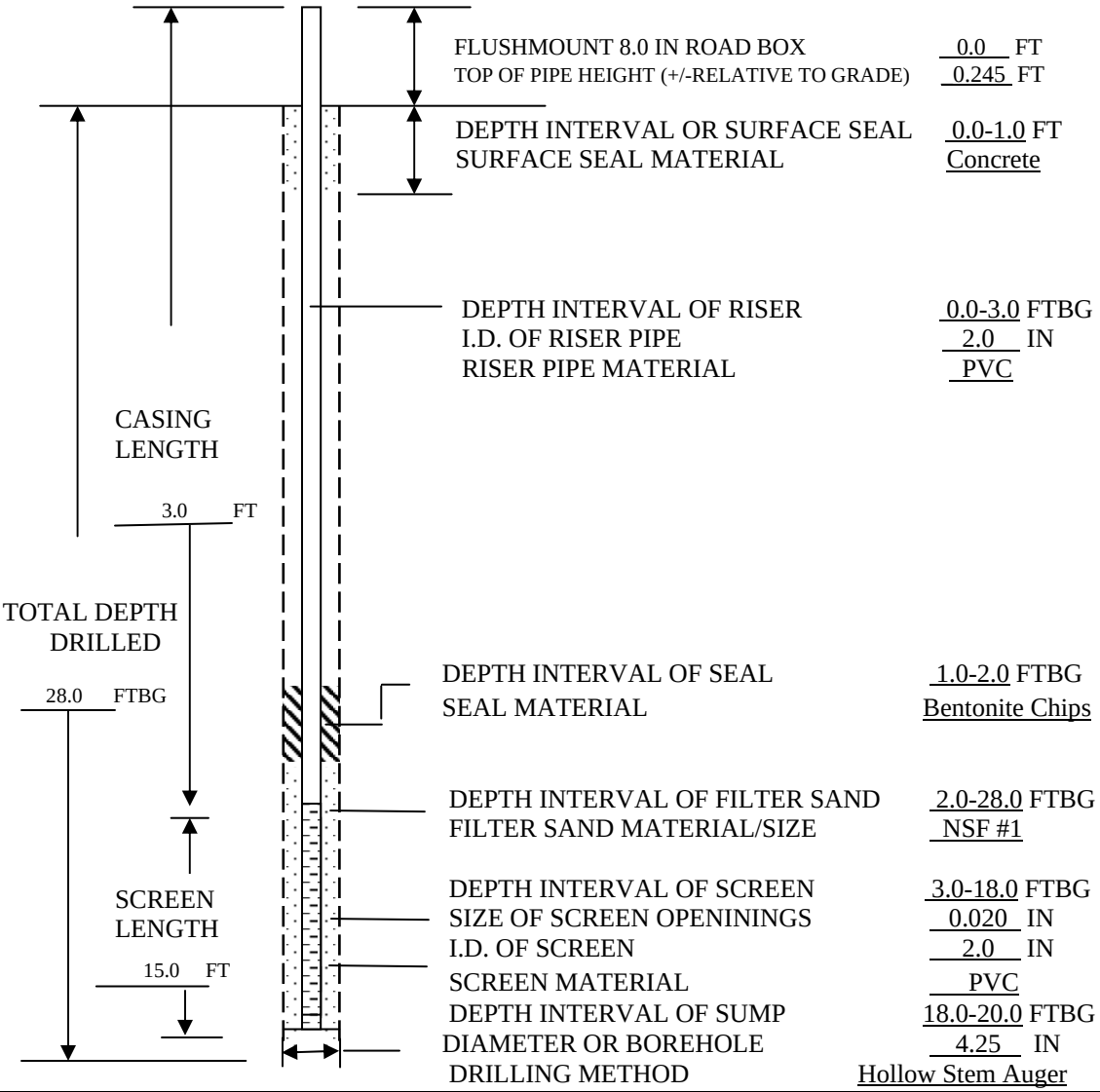


TRC Environmental Corp.

MONITORING WELL
CONSTUCTION DETAILS

PROJECT E 11th Street MGP SCS
LOCATION NE Side of Jacob Riis
GROUND ELEVATION 6.550 ft
ELEVATION OF TOP OF WELL 6.305 ft
DRILLER Sean Miller

WELL MW-3
DEPTH TO WATER LEVEL 6.02 **FTBTOC**
WATER LEVEL ELEVATION 0.285 ft
DATE OF MEASUREMENT 10/12/2004
TRC PERSONNEL Jessica Elliott



FLUSHMOUNT 8.0 IN ROAD BOX 0.0 FT
TOP OF PIPE HEIGHT (+/-RELATIVE TO GRADE) 0.245 FT

DEPTH INTERVAL OR SURFACE SEAL 0.0-1.0 FT
SURFACE SEAL MATERIAL Concrete

DEPTH INTERVAL OF RISER 0.0-3.0 FTBG
I.D. OF RISER PIPE 2.0 IN
RISER PIPE MATERIAL PVC

DEPTH INTERVAL OF SEAL 1.0-2.0 FTBG
SEAL MATERIAL Bentonite Chips

DEPTH INTERVAL OF FILTER SAND 2.0-28.0 FTBG
FILTER SAND MATERIAL/SIZE NSF #1

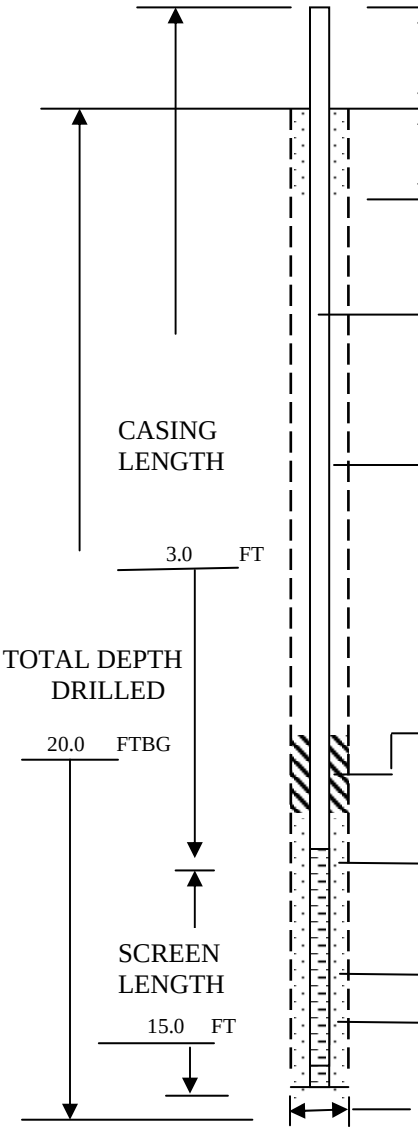
DEPTH INTERVAL OF SCREEN 3.0-18.0 FTBG
SIZE OF SCREEN OPENININGS 0.020 IN
I.D. OF SCREEN 2.0 IN
SCREEN MATERIAL PVC
DEPTH INTERVAL OF SUMP 18.0-20.0 FTBG
DIAMETER OR BOREHOLE 4.25 IN
DRILLING METHOD Hollow Stem Auger

Environmental Corp.

MONITORING WELL
CONSTUCTION DETAILS

PROJECT E 11th Street MGP SCS
LOCATION SW Side of Jacob Riis
GROUND ELEVATION 6.365 ft
ELEVATION OF TOP OF WELL 6.01 ft
DRILLER Sean Miller

WELL MW-4
DEPTH TO WATER LEVEL 6.82 **FTBTOC**
WATER LEVEL ELEVATION -0.81 ft
DATE OF MEASUREMENT 10/12/2004
TRC PERSONNEL Scott Fischer



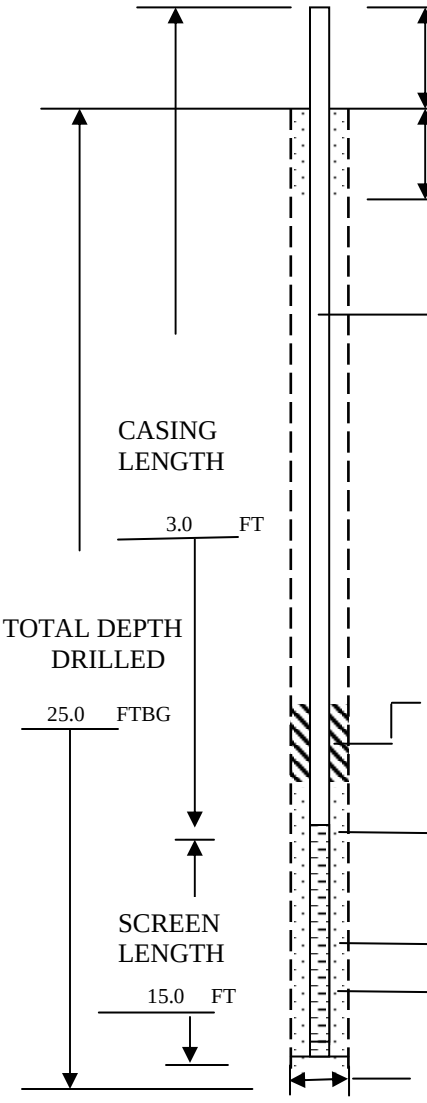
FLUSHMOUNT 8.0 IN ROAD BOX	0.0 FT
TOP OF PIPE HEIGHT (+/-RELATIVE TO GRADE)	-0.355 FT
DEPTH INTERVAL OR SURFACE SEAL	0.0-0.5 FT
SURFACE SEAL MATERIAL	Concrete
DEPTH INTERVAL OF RISER	0.0-3.0 FTBG
I.D. OF RISER PIPE	2.0 IN
RISER PIPE MATERIAL	PVC
DEPTH INTERVAL OF BACKFILL	0.5-1.0 FTBG
BACKFILL MATERIAL	NSF #1
DEPTH INTERVAL OF SEAL	1.0-2.0 FTBG
SEAL MATERIAL	Bentonite Chips
DEPTH INTERVAL OF FILTER SAND	2.0-20.0 FTBG
FILTER SAND MATERIAL/SIZE	NSF #1
DEPTH INTERVAL OF SCREEN	3.0-18.0 FTBG
SIZE OF SCREEN OPENININGS	0.020 IN
I.D. OF SCREEN	2.0 IN
SCREEN MATERIAL	PVC
DEPTH INTERVAL OF SUMP	18.0-20.0 FTBG
DIAMETER OR BOREHOLE	4.25 IN
DRILLING METHOD	Hollow Stem Auger

Environmental Corp.

MONITORING WELL
CONSTUCTION DETAILS

PROJECT E 11th Street MGP SCS
LOCATION SE Side of Jacob Riis
GROUND ELEVATION 6.075 ft
ELEVATION OF TOP OF WELL 5.445 ft
DRILLER Jerry Heller

WELL MW-5
DEPTH TO WATER LEVEL 6.48 **FTBTOC**
WATER LEVEL ELEVATION -1.035 ft
DATE OF MEASUREMENT 10/12/2004
TRC PERSONNEL Jessica Elliott



FLUSHMOUNT 8.0 IN ROAD BOX 0.0 FT
TOP OF PIPE HEIGHT (+/-RELATIVE TO GRADE) 0.63 FT

DEPTH INTERVAL OR SURFACE SEAL 0.0-1.0 FT
SURFACE SEAL MATERIAL Concrete

DEPTH INTERVAL OF RISER 0.0-3.0 FTBG
I.D. OF RISER PIPE 2.0 IN
RISER PIPE MATERIAL PVC

DEPTH INTERVAL OF SEAL 1.0-2.0 FTBG
SEAL MATERIAL Bentonite Chips

DEPTH INTERVAL OF FILTER SAND 2.0-25.0 FTBG
FILTER SAND MATERIAL/SIZE NSF #1

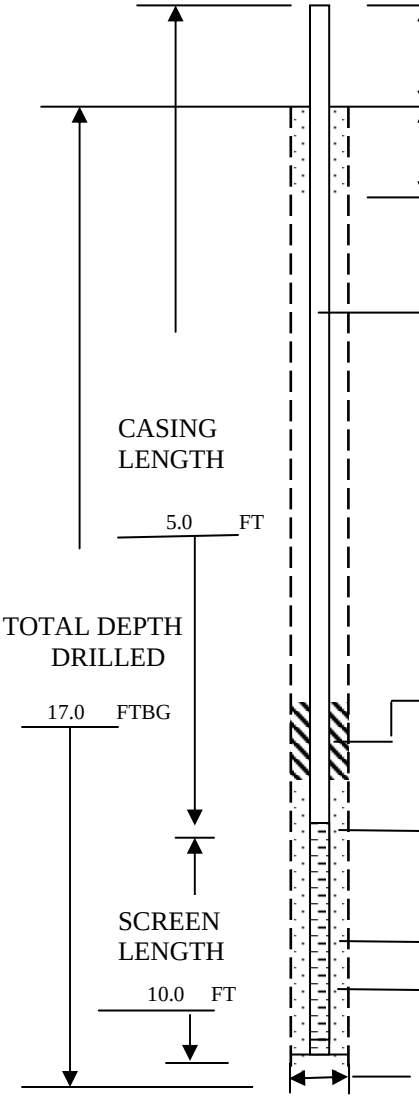
DEPTH INTERVAL OF SCREEN 3.0-18.0 FTBG
SIZE OF SCREEN OPENININGS 0.020 IN
I.D. OF SCREEN 2.0 IN
SCREEN MATERIAL PVC
DEPTH INTERVAL OF SUMP 18.0-20.0 FTBG
DIAMETER OR BOREHOLE 4.25 IN
DRILLING METHOD Hollow Stem Auger

Environmental Corp.

MONITORING WELL
CONSTUCTION DETAILS

PROJECT E 11th Street MGP SCS
LOCATION E 13th Street Sidewalk
GROUND ELEVATION 7.605 ft
ELEVATION OF TOP OF WELL 7.215 ft
DRILLER Jerry Heller

WELL MW-6
DEPTH TO WATER LEVEL 7.72 **FTBTOC**
WATER LEVEL ELEVATION -0.505 ft
DATE OF MEASUREMENT 10/12/2004
TRC PERSONNEL Jessica Elliott



FLUSHMOUNT 8.0 IN ROAD BOX	0.0 FT
TOP OF PIPE HEIGHT (+/-RELATIVE TO GRADE)	0.39 FT
DEPTH INTERVAL OR SURFACE SEAL	0.0-2.0 FT
SURFACE SEAL MATERIAL	Concrete
DEPTH INTERVAL OF RISER	0.0-5.0 FTBG
I.D. OF RISER PIPE	2.0 IN
RISER PIPE MATERIAL	PVC
DEPTH INTERVAL OF SEAL	2.0-4.0 FTBG
SEAL MATERIAL	Bentonite Chips
DEPTH INTERVAL OF FILTER SAND	4.0-17.0 FTBG
FILTER SAND MATERIAL/SIZE	NSF #1
DEPTH INTERVAL OF SCREEN	5.0-15.0 FTBG
SIZE OF SCREEN OPENININGS	0.020 IN
I.D. OF SCREEN	2.0 IN
SCREEN MATERIAL	PVC
DEPTH INTERVAL OF SUMP	15.0-17.0 FTBG
DIAMETER OR BOREHOLE	4.25 IN
DRILLING METHOD	Hollow Stem Auger

TRC Environmental Corp.

TEST TRENCH LOG

Project No. 39656	**Client** Con Edison
Location North of DEP Building in Parking Lot	**Test Pit No.** TT-03
	Elevation & Datum
	TRC Inspector Scott Fischer
Contractor ADT	**Operator** Chris Capabianco
	Date Started/Completed 5/19/2004-5/19/2004
	Completion Status Backfilled
Excavator Vactron	**Total Depth (ftbg)** 5
	Water Level (ftbg) Obs. N/A Stab.
Sampler Type Grab	

DEPTH (FT BGS)	WATER	SAMPLE DESCRIPTION	REMARKS (PID/DID, ETC)
0.0'		0.0'-1.0': Asphalt and gravel.	N/O, N/S
1.0'		1.0-2.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick and concrete fragments, metal and glass.	N/O, N/S
2.0'		2.0'-3.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick and concrete fragments, metal, glass, black stained soil and coal fragments.	Slight MGP-related odor, N/S PID = 1.0 ppm max.
		Sample collected: E11STMGP-TT03-23	
3.0'		3.0'-5.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick, concrete and asphalt fragments, cobblstones, tr ash material and tr slag fragments.	N/O, N/S PID = 0.2 ppm max.
4.0'			
5.0'		E.O.T.T. at 5.0' bgs. (3' x 5' x 5')	
6.0'			
7.0'			
8.0'			

TRC Environmental Corp.

TEST TRENCH LOG

Project No. 39656	**Client** Con Edison
Location NW Corner at Jacob Riis	**Test Pit No.** TT-04
	Elevation & Datum
	TRC Inspector Scott Fischer
Contractor ADT	**Operator** Chris Capabianco
	Date Started/Completed 5/10/2004-5/10/2004
	Completion Status Backfilled
Excavator Vactron	**Total Depth (ftbg)** 5
	Water Level (ftbg) Obs. N/A Stab.
Sampler Type Grab	

DEPTH (FT BGS)	WATER	SAMPLE DESCRIPTION	REMARKS (PID/DID, ETC)
0.0'		0.0'-5.0': Fill-Grass at surface and dk brown SILT, f to c SAND, GRAVEL, brick fragments, concrete chunks, glass and metal.	N/O, N/S
1.0'			
2.0'		2.0'-3.0': Waste concrete piles.	
3.0'			
4.0'			
		Sample collected: E11STMGP-TT04-45 (MS/MSD collected)	
5.0'			
		E.O.T.T. at 5.0' bgs. (3' x 5' x 5')	
6.0'			
7.0'			
8.0'			

TRC Environmental Corp.

TEST TRENCH LOG

Project No.	**Client**	**Test Pit No.**	
39656	**Con Edison**	**TT-05**	
Location		**Elevation & Datum**	
NW Corner at Jacob Riis		**TRC Inspector**	
		Scott Fischer	
Contractor	**Operator**	**Date Started/Completed**	**Completion Status**
		5/18/2004-5/18/2004	**Backfilled**
ADT	**Chris Capabianco**	**Total Depth (ftbg)**	**Water Level (ftbg)**
Excavator		**5**	**Obs. Stab.**
			5
Vactron			
Sampler Type			
Grab			

DEPTH (FT BGS)	WATER	SAMPLE DESCRIPTION	REMARKS (PID/DID, ETC)
0.0'		0.0'-2.0': Fill-Grass at surface and dk brown SILT, f to c SAND, GRAVEL, brick fragments, concrete chunks, glass and metal.	N/O, N/S PID = 0.0 ppm max.
1.0'			
2.0'		2.0'-5.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments, concrete chunks, glass, metal, some black soil and ash material and tr coal and coke fragments.	N/O, N/S PID = 0.0 ppm max.
3.0'			
4.0'		Sample collected: E11STMGP-TT05-45	N/O, N/S PID = 0.0 ppm max.
5.0'	▼	5.0': Groundwater encountered E.O.T.T. at 5.0' bgs. (3' x 5' x 5')	
6.0'			
7.0'			
8.0'			

TRC Environmental Corp.

TEST TRENCH LOG Sheet 1 Of 1

Project No.	**Client**	**Test Pit No.**	
		TT-08	
39656	**Con Edison**	**Elevation & Datum**	
Location			
		TRC Inspector	
NE Corner at Jacob Riis		**Scott Fischer**	
Contractor	**Operator**	**Date Started/Completed**	**Completion Status**
		5/17/2004-5/17/2004	**Backfilled**
ADT	**Chris Capabianco**	**Total Depth (ftbg)**	**Water Level (ftbg)**
Excavator		**3.5**	**Obs. Stab.**
			N/A
Vactron			
Sampler Type			
Grab			

DEPTH (FT BGS)	WATER	SAMPLE DESCRIPTION	REMARKS (PID/DID, ETC)
0.0'		0.0'-0.8': Asphalt	N/O, N/S
1.0'		0.8'-2.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments, concrete fragments, metal, glass, tr coal and coke fragments and ash material. 4" diameter steel pipe trending northeast to southwest in the southern end of excavation.	N/O, N/S PID = 0.1 ppm max.
2.0'		2.0'- 3.5': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick and concrete fragments, metal, glass, some ash material, coal, coke and slag fragments and some black soil.	Slight MGP-related odor, N/S PID = 0.5 ppm max.
3.0'		3.5': Intact brick wall with horizontal mortar joints.	
4.0'		Sample collected: E11STMGP-TT08-34 Duplicate collected: E11STMGP-TT26-34	
		E.O.T.T. at 3.5' bgs. (3' x 5' x 3.5')	
5.0'			
6.0'			
7.0'			
8.0'			

TRC Environmental Corp.

TEST TRENCH LOG Sheet 1 Of 1

Project No. **Client** **39656** **Con Edison**	**Test Pit No.** **TT-9**
Location **SW corner of St. Emeric's property**	**Elevation & Datum** **TRC Inspector** **Scott Fischer**
Contractor **Laborer** **ADT** **Mike Smith**	**Date Started/Completed** **3/22/2004** **Total Depth (ftbg)** **5'**
Excavator **Vactron**	**Completion Status** **3/22/2004-Backfilled** **Water Level (ftbg)** **Obs.** **Stab.** **N/A**
Sampler Type **Grab**	

DEPTH (FT BGS)	WATER	SAMPLE DESCRIPTION	REMARKS (PID/DID, ETC)
0.0'		0.0' - 1.0': Grass at the surface and Dk brown SILT, f to c SAND, GRAVEL, brick fragments, roots, cobbles, glass fragments and pieces of scrap metal.	0'-1': N/O, N/S PID = 0.0 ppm max.
1.0'		1.0-5.0': Dk brown SILT, f to c SAND, GRAVEL, brick fragments, roots, cobbles, glass fragments, scrap metal and tr slag and coke fragments.	1'-3': Sl petroleum odor and black stained bricks PID = 0.0 ppm max.
2.0'		Sample collected: E11STMGP-TT9-23	
3.0'			3'-5': N/O, N/S PID = 0.0 ppm max.
4.0'			
5.0'		E.O.T.T. at 5.0' bgs (2' x 2' x 5')	
6.0'		Note: Excavation at this location consisted only of the vactron utility hole clearance procedure. Excavation of the trench was not completed due to the modification in excavation procedures in the middle of the field activities.	

E.O.T.T. at 4' bgs. (2' x 6' x 4')

TRC Environmental Corp.

TEST TRENCH LOG

Project No.	**Client**	**Test Pit No.**	
39656	**Con Edison**	**TT-10**	
Location		**Elevation & Datum**	
SW Corner at Jacob Riis		**TRC Inspector**	
		Scott Fischer	
Contractor	**Operator**	**Date Started/Completed**	**Completion Status**
		4/27/2004-4/27/2004	**Backfilled**
ECI	**George Herdarfor**	**Total Depth (ftbg)**	**Water Level (ftbg)**
Excavator		**8**	**Obs. Stab.**
			7.5
Backhoe			
Sampler Type			
Grab			

DEPTH (FT BGS)	WATER	SAMPLE DESCRIPTION	REMARKS (PID/DID, ETC)
0.0'		0.0'-6.0': Fill-Grass at surface and dk brown SILT, f to c SAND, GRAVEL, brick fragments, concrete chunks, glass and metal fragments.	N/O, tr black staining
1.0'			
2.0'			
3.0'			
4.0'		4.0'-6.0': Utility or conduit trending northeast to southwest surrounding by tan f SAND in the southern end of TT-10.	Strong solvent odor, black staining, PID = 97 ppm max. PID (headspace) = 529 ppm max.
5.0'		Sample collected: E11STMGP-TT10-56	
6.0'		6.0'-8.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments, concrete chunks, glass, metal and ash material.	Strong solvent odor, slight MGP-related odor, black staining
7.0'			
	▼	7.5': Groundwater encountered Sample collected: E11STMGP-TT10-78	PID (headspace) = 860 ppm max.
8.0'		E.O.T.T. at 8' bgs. (3' x 15' x 8')	

TRC Environmental Corp.

TEST TRENCH LOG

Project No. 39656	**Client** Con Edison
Location NE Corner at Jacob Riis	
Contractor ADT	**Operator** Chris Capabianco
Excavator Vactron	
Sampler Type Grab	
Test Pit No. TT-13	
Elevation & Datum	
TRC Inspector Scott Fischer	
Date Started/Completed 5/14/2004-5/14/2004	**Completion Status** Backfilled
Total Depth (ftbg) 5	**Water Level (ftbg)** Obs. N/A Stab.

DEPTH (FT BGS)	WATER	SAMPLE DESCRIPTION	REMARKS (PID/DID, ETC)
0.0'		0.0'-1.0': Fill-Grass at surface and dk brown SILT, f to c SAND, GRAVEL, roots, and some brick and concrete fragments.	N/O, N/S PID = 0.0 ppm max.
1.0'		1.0'-2.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, roots, some brick and concrete fragments, coal fragments, ash material and tr hard, weathered tar pieces.	N/O, N/S PID = 0.0 ppm max.
2.0'		2.0'-3.0': Fill-Dk brownish black SILT, f to c SAND, GRAVEL, brick fragments, concrete fragments, coal and coke fragments and ash material.	N/O, N/S PID = 0.0 ppm max.
3.0'		3.0'-5.0': Fill-Dk brownish black SILT, f to c SAND, GRAVEL, brick fragments, concrete fragments, tr slag, coal and tar fragments and ash material. Sample collected: E11STMGP-TT13-34	Slight MGP-related odor, N/S PID = 0.0 ppm max.
4.0'		Sample collected: E11STMGP-TT13-45	PID = 0.0 ppm max.
5.0'		E.O.T.T. at 5.0' bgs. (3' x 5' x 5')	
6.0'			
7.0'			
8.0'			

TRC Environmental Corp.

TEST TRENCH LOG

Project No. 39656	**Client** Con Edison
Location NE Corner at Jacob Riis	
Contractor ECI	**Operator** Adrian Otevo
Excavator Backhoe	
Sampler Type Grab	
Test Pit No. TT-14	
Elevation & Datum	
TRC Inspector Scott Fischer	
Date Started/Completed 4/30/2004-5/4/2004	**Completion Status** Backfilled
Total Depth (ftbg) 4	**Water Level (ftbg)** Obs. N/A Stab.

DEPTH (FT BGS)	WATER	SAMPLE DESCRIPTION	REMARKS (PID/DID, ETC)
0.0'		0.0'-0.6': Asphalt	
		0.6'-2.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments, asphalt and concrete chunks and coal, coke and slag fragments.	N/O, N/S PID = 0.0 ppm max.
1.0'			N/O, N/S PID = 0.2 ppm max.
2.0'		2.0'-4.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments, asphalt and concrete chunks, coal, coke and slag fragments, tr fire brick fragments and wood timbers.	MGP-related odor, some black staining in soil and on bricks PID = 55 ppm max.
3.0'		3.0': Cut 1" lead conduit with lead coated aluminum wires. Additional, undisturbed 2" utility due east of cut conduit. Sample collected: E11STMGP-TT14-34	
4.0'		E.O.T.T. at 4.0' bgs. (3' x 9' x 4')	
5.0'			
6.0'			
7.0'			
8.0'			

TRC Environmental Corp.

TEST TRENCH LOG

Project No. 39656	**Client** Con Edison
Location NE Corner at Jacob Riis	**Test Pit No.** TT-15
	Elevation & Datum
	TRC Inspector Scott Fischer
Contractor ECI	**Operator** Adrian Otevo
	Date Started/Completed 5/4/2004-5/4/2004
	Completion Status Backfilled
Excavator Backhoe	**Total Depth (ftbg)** 3
	Water Level (ftbg) Obs. N/A Stab.
Sampler Type Grab	

DEPTH (FT BGS)	WATER	SAMPLE DESCRIPTION	REMARKS (PID/DID, ETC)
0.0'		0.0'-3.0': Fill-Grass at surface and dk brown SILT, f to c SAND, GRAVEL, brick fragments, concrete chunks, glass and metal.	N/O, N/S
1.0'			
2.0'			
3.0'		3.0': Concrete pad located in entire excavation area at 3' bgs, except in north-western corner where curved outer edge lined with bricks was identified	N/S, N/O
		Sample collected directly above concrete pad: E11STMGP-TT15-34	
4.0'		E.O.T.T. at 3.0' bgs. (3' x 18' x 3')	
5.0'			
6.0'			
7.0'			
8.0'			

TRC Environmental Corp.

TEST TRENCH LOG

Project No. 39656	**Client** Con Edison
Location NE Corner at Jacob Riis	
Contractor ECI	**Operator** Adrian Otevo
Excavator Backhoe	
Sampler Type Grab	
Test Pit No. TT-16	
Elevation & Datum	
TRC Inspector Scott Fischer	
Date Started/Completed 5/6/2004-5/6/2004	**Completion Status** Backfilled
Total Depth (ftbg) 5.5	**Water Level (ftbg)** Obs. N/A Stab.

DEPTH (FT BGS)	WATER	SAMPLE DESCRIPTION	REMARKS (PID/DID, ETC)
0.0'		0.0'-0.6': Asphalt	
		0.6'-2.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments, asphalt and concrete chunks, black colored soil and ash material.	Slight MGP-related odor, N/S PID = 2.5 ppm max.
1.0'		Sample collected: E11STMGP-TT16-12	N/O, N/S PID = 0.2 ppm max.
2.0'		2.0'-4.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments, asphalt and concrete chunks, coal fragments, ash material and wood timbers.	Strong MGP-related odor, black staining PID = 55 ppm max.
3.0'			Viscous black tar-like material seam across northern end of trench (2"-3" thick). PID = 150 ppm max.
4.0'		4.0'-5.5': Fill-Black stained SILT, f to c SAND, GRAVEL, large wood timbers, brick fragments, concrete chunks and metal.	Strong MGP-related odor, black staining PID = 170 ppm max.
5.0'		5.0': Encountered 8"-10" steel pipe with ragged round hole approximately 4"-5" in diameter. Pipe located in center of excavation.	
6.0'		E.O.T.T. at 5.5' bgs. (3' x 9' x 5.5')	
7.0'			
8.0'			

TRC Environmental Corp.

TEST TRENCH LOG

Project No. 39656	**Client** Con Edison
Location SW Corner at Jacob Riis	**Test Pit No.** TT-17
	Elevation & Datum
	TRC Inspector Scott Fischer
Contractor ECI	**Operator** Adrian Otevo
	Date Started/Completed 4/29/2004-4/30/2004
	Completion Status Backfilled
Excavator Backhoe	**Total Depth (ftbg)** 7.5
	Water Level (ftbg) Obs. 7 Stab.
Sampler Type Grab	

DEPTH (FT BGS)	WATER	SAMPLE DESCRIPTION	REMARKS (PID/DID, ETC)
0.0'		0.0'-0.5': Concrete	
		0.5'-1.0': Coarse gravel subbase.	
1.0'		1.0'-3.0': Fill-Brown SILT, f to c SAND, GRAVEL, brick fragments, concrete chunks and coal, coke and slag fragments and tr ash material.	N/O, N/S PID = 0.2 ppm max.
2.0'			
3.0'		3.0'-5.0': Fill-Lt brown SILT, f to c SAND, GRAVEL, brick fragments, concrete chunks and coal and slag fragments.	N/O, N/S PID = 0.2 ppm max.
4.0'		4.0'-7.0': Rough waste concrete in northern end of excavation.	N/O, black staining
5.0'		5.0'-7.5': Fill-Lt brown f to c SAND and round GRAVEL, tr silt, brick fragments, concrete chunks.	N/O, N/S PID = 0.2 ppm max.
6.0'		Sample collected: E11STMGP-TT17-67	PID (headspace) = 0.8 ppm max.
7.0'	▼	7.0': Groundwater encountered	
		E.O.T.T. at 7.5' bgs. (3' x 9' x 7.5')	
8.0'			

TRC Environmental Corp.

TEST TRENCH LOG

Project No. 39656	**Client** Con Edison
Location SE Corner at Jacob Riis	**Test Pit No.** TT-18
	Elevation & Datum
	TRC Inspector Scott Fischer
Contractor ECI	**Operator** George Herdarfor
	Date Started/Completed 4/22/2004-4/23/2004
	Completion Status Backfilled
Excavator Backhoe	**Total Depth (ftbg)** 5
	Water Level (ftbg) Obs. N/A Stab.
Sampler Type Grab	

DEPTH (FT BGS)	WATER	SAMPLE DESCRIPTION	REMARKS (PID/DID, ETC)
0.0'		0.0'-0.4': Concrete	
		0.4'-5.0': Fill-Brown SILT, f to c SAND, GRAVEL, tr clay, brick fragments, concrete chunks, pipe fragments and tr coal fragments.	N/O, some black staining
1.0'			
		1.7': Intact brick wall with 1.5' wide mortar joints and trending northwest to southeast across the center of the test trench.	PID = 0.2 ppm max.
2.0'			
3.0'		Sample collected: E11STMGP-TT18-34	
		3.5': Vertical brick wall continued	PID = 0.0 ppm max. N/O, some black staining
4.0'			N/O, black staining
5.0'		5.0': See photodocumentation for completed test trench.	PID = 0.0 ppm max.
		E.O.T.T. at 5' bgs. (3' x 9' x 5')	N/O, tr black staining
6.0'			
7.0'			
8.0'			

TRC Environmental Corp.

TEST TRENCH LOG

Project No. 39656	**Client** Con Edison
Location SE Corner at Jacob Riis	
Contractor ECI	**Operator** George Herdarfor
Excavator Backhoe	
Sampler Type Grab	
Test Pit No. TT-19	
Elevation & Datum	
TRC Inspector Scott Fischer	
Date Started/Completed 4/23/2004-4/26/2004	**Completion Status** Backfilled
Total Depth (ftbg) 8	**Water Level (ftbg)** Obs. 7.5 Stab.

DEPTH (FT BGS)	WATER	SAMPLE DESCRIPTION	REMARKS (PID/DID, ETC)
0.0'		0.0'-0.5': Concrete	
		0.5'-4.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments, concrete chunks, glass, coal and coke fragments.	N/O, black staining
1.0'			
2.0'			
		2.5': 8" diameter, 1/2" thick and 2.6' long steel pipe uncovered trending North to South. Pipe was corroded and not in place.	
		2.8': Intact brick wall trending northwest to southeast in center of test trench.	
3.0'			
		Sample collected: E11STMGP-TT19-34	PID (headspace) = 0.8 ppm max.
4.0'		4.0'-7.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments, concrete chunks, glass, coal and coke fragments, ash material and clinker material.	N/O, black staining
5.0'			
6.0'			
		Sample collected: E11STMGP-TT19-67	PID (headspace) = 10 ppm max.
7.0'		7.0'-8.0': Fill-Brown to gray SILT, f to c SAND, GRAVEL, ash material,	PID = 1.9 ppm max. MGP-related odor, visible sheen, visible tar-like material
	▼	7.5': Groundwater encountered	
8.0'		E.O.T.T. at 8' bgs. (3' x 9' x 8')	

TRC Environmental Corp.

TEST TRENCH LOG

Project No. 39656	**Client** Con Edison
Location SE Corner at Jacob Riis	
Contractor ECI	**Operator** George Herdarfor
Excavator Backhoe	
Sampler Type Grab	
Test Pit No. TT-21	
Elevation & Datum	
TRC Inspector Scott Fischer	
Date Started/Completed 4/27/2004-4/28/2004	**Completion Status** Backfilled
Total Depth (ftbg) 6	**Water Level (ftbg)** Obs. 5.5 Stab.

DEPTH (FT BGS)	WATER	SAMPLE DESCRIPTION	REMARKS (PID/DID, ETC)
0.0'		0.0'-0.5': Concrete	
		0.5'-3.0': Fill-Brown SILT, f to c SAND, GRAVEL, brick fragments, concrete chunks, glass and tr roots.	N/O, black staining
1.0'			
		1.8'-3.0': Coke, coal and slag fragments and black and white ash material.	Slight MGP-related odor, black staining.
2.0'			PID = 0.2 ppm max.
3.0'		3.0'-6.0': Fill-Brown SILT, f to c SAND, GRAVEL, brick fragments, concrete chunks, glass, tr roots, coke, coal and slag fragments and black, gray and white ash material.	Slight MGP-related odor, some black staining PID = 0.2 ppm max.
4.0'			
5.0'			PID = 0.2 ppm max.
	▼	5.5': Groundwater encountered Sample collected: E11STMGP-TT10-56	
6.0'		E.O.T.T. at 6' bgs. (3' x 9' x 6')	
7.0'			
8.0'			

TRC Environmental Corp.

TEST TRENCH LOG Sheet 1 Of 1

Project No.	**Client**	**Test Pit No.**	
39656	**Con Edison**	**TT-22**	
Location		**Elevation & Datum**	
SE Corner at Jacob Riis		**TRC Inspector**	
		Scott Fischer	
Contractor	**Operator**	**Date Started/Completed**	**Completion Status**
		4/28/2004-4/29/2004	**Backfilled**
ECI	**Adrian Otevo**	**Total Depth (ftbg)**	**Water Level (ftbg)**
Excavator		**4**	**Obs. Stab.**
			N/A
Backhoe			
Sampler Type			
Grab			

DEPTH (FT BGS)	WATER	SAMPLE DESCRIPTION	REMARKS (PID/DID, ETC)
0.0'		0.0'-0.5': Concrete	
		0.5'-2.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments, concrete chunks, glass and ash material	N/O, tr black staining PID = 0.2 ppm max.
1.0'			
2.0'		2.0'-4.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick fragments, concrete chunks, glass, ash material, some tan fire brick fragments, wood timbers.	Very slight MGP-related odor, tr black staining, wood timbers with slight MGP-related and creosote odor.
		2.7': In place concrete with 1" steel pole potruding.	PID = 0.5 ppm max.
		2.7': In place brick and concrete in the north face of the excavation.	
3.0'		3.0': In place 14" diameter insulated steel pipe trending east to west through the south end of TT-22.	
		Sample collected: E11STMGP-TT22-34	PID (headspace) = 0.5 ppm max.
4.0'		E.O.T.T. at 4' bgs. (3' x 9' x 4')	
5.0'			
6.0'			
7.0'			
8.0'			

TRC Environmental Corp.

TEST TRENCH LOG Sheet 1 Of 1

Project No.	**Client**	**Test Pit No.**	
		TT-01	
39656	**Con Edison**	**Elevation & Datum**	
Location			
		TRC Inspector	
Southwest corner of St. Emeric's Parking Lot		**Jennifer Guido**	
Contractor	**Operator**	**Date Started/Completed**	**Completion Status**
		8/19/2004-8/19/2004	**Backfilled**
ECI	**JoJo**	**Total Depth (ftbg)**	**Water Level (ftbg)**
Excavator		**3**	**Obs. Stab.**
			N/A
Backhoe			
Sampler Type			
Grab			

DEPTH (FT BGS)	WATER	SAMPLE DESCRIPTION	REMARKS (PID/DID, ETC)
0.0'		0.0'-0.5': Asphalt 0.5'-3.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick and concrete fragments. 0.5': Encountered intact brick wall with mortar joints that curves southwest in the southwestern end of the excavation.	PID (headspace) = 0.9 ppm max.
1.0'			N/O, N/S PID (headspace) = 0.7 ppm max.
2.0'		2.0': Encountered another brick wall 2.1' northeast of first wall in southwestern end of excavation. Second brick wall curves northeast, away from the the wall encountered at 0.5' bgs.	N/O, N/S PID = 0.0 ppm max.
3.0'		3.0': Encountered concrete base present at 3' bgs in most of excavation area. Base connected to brick wall encountered at 2.0' bgs. Sample collected: E11STMGP-TT1-3	N/O, N/S PID = 0.0 ppm max.
		E.O.T.T. at 3.0' bgs. (8' x 14' x 3')	
4.0'			
5.0'			
6.0'			
7.0'			
8.0'			

TRC Environmental Corp.

TEST TRENCH LOG

Project No. 39656	**Client** Con Edison
Location Eastern End of St. Emeric's Parking Lot	**Test Pit No.** TT-02
	Elevation & Datum
	TRC Inspector Jennifer Guido
Contractor ECI	**Operator** JoJo
	Date Started/Completed 8/19/2004-8/19/2004
	Completion Status Backfilled
Excavator Backhoe	**Total Depth (ftbg)** 8
	Water Level (ftbg) Obs. 8 Stab.
Sampler Type Grab	

DEPTH (FT BGS)	WATER	SAMPLE DESCRIPTION	REMARKS (PID/DID, ETC)
0.0'		0.0'-0.5': Asphalt	PID (headspace) = 0.9 ppm max.
		0.5'-8.0': Fill-Dk brown SILT, f to c SAND, GRAVEL, brick and concrete fragments.	
1.0'			N/O, N/S PID (headspace) = 0.7 ppm max.
2.0'			
3.0'		3.0': Encountered flat concrete base the curves towards the west. The outside curvature of the conrete is lined with intact brick. The structure dropped off east of the brick. Attempted to locate the bottom of the brick, but could not due to the limited arm of reach of the backhoe.	N/O, N/S PID = 0.0 ppm max.
		Sample collected (east of brick/concrete structure): E11STMGP-TT2-OUT-3	
4.0'		Sample collected (west of brick/concrete structure): E11STMGP-TT2-IN-3	
5.0'		5.0': Encountered hollow pipe along eastern perimeter of structure.	N/O, N/S PID = 0.0 ppm max.
6.0'			
7.0'			
8.0'	▼	8.0': Groundwater encountered	
		E.O.T.T. at 8.0' bgs. (26' x 25' x 4')	

TRC Environmental Corp.

TEST TRENCH LOG

Project No. 39656	**Client** Con Edison
Location Western End of St. Emeric's Property	
Contractor ADT	**Operator** Chris Capabianco
Excavator Vactron	
Sampler Type Grab	

Test Pit No. TT-11	
Elevation & Datum	
TRC Inspector Lisa Wasiowich	
Date Started/Completed 8/19/2004-8/19/2004	**Completion Status** Backfilled
Total Depth (ftbg) 4	**Water Level (ftbg)** Obs. N/A Stab.

DEPTH (FT BGS)	WATER	SAMPLE DESCRIPTION	REMARKS (PID/DID, ETC)
0.0'		0.0'-4.0': Fill-Brown f to m SAND, some round and angular rock fragments, brick chunks and fragments and tr silt.	PID (headspace) = 0.9 ppm max.
1.0'		1.0': Two 1-inch diameter metal pipes running N-S. Sample collected: E11STMGP-TT11-01	N/O, N/S PID (headspace) = 0.7 ppm max.
2.0'		Sample collected: E11STMGP-TT11-23	
3.0'		2.8': 2-inch diameter metal pipe running NE-SW. Sample collected: E11STMGP-TT11-34	
4.0'		E.O.T.T. at 4.0' bgs. (3' x 5' x 4')	
5.0'			
6.0'			
7.0'			
8.0'			

Data Assessment Narrative

1.0 Introduction

TRC Quality Assurance (QA) staff reviewed data on July 9, 12, 13, 14, 17, 18, 19, 20, 21, 25, and 30, 2004 as well as August 1, 4, 5, 6, 7, and 15, 2004. A total of thirteen sample delivery groups (SDGs) were reviewed that include one hundred and five field samples (including field blanks). Chemtech in Mountainside, New Jersey generated the analytical data. Table 1 presents a listing of these samples, the dates and times they were collected, analytical methods used to generate data, and associated laboratory identifiers.

2.0 Review Criteria

The data review criteria used for this assessment are the values given in the following United States Environmental Protection Agency, Region 2 documents:

- Standard Operating Procedure (SOP) Number HW-24, Revision 1, June 1999, *Validating Volatile Organic Compounds by SW-846 Method 8260B*
- SOP Number HW-22, Revision 2, June 2001, *Validating Semivolatile Organic Compounds by SW-846 Method 8270*
- SOP Number 23B, Revision 1.0, May 2002, *Validating PCB Compounds by SW-846 Method 8082*
- SOP Number HW-2, Revision 11, January 1992, *Evaluation of Metals Data for the CLP Program*

Items reviewed during the assessment process for volatile organic data, semivolatile organic data, and polychlorinated biphenyl (PCB) data include (as applicable):

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Internal Standard Recoveries and Retention Times
- Laboratory Control Sample (LCS) Results
- Sample Quantitation and Reported Quantitation Limits
- Target Compound Identification

Items reviewed during the assessment process for metals data and cyanide data include (as applicable):

- Data Completeness
- Holding Times and Sample Preservation

- Initial and Continuing Calibrations
- Detection Limit Standards
- Blanks
- Interference Check Samples
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- Duplicate Results
- Serial Dilutions

Qualified sample data are listed Table 2.

3.0 Data Review/Validation Results

3.1 Data Completeness

3.1.1 Data Completeness - Volatile Organic Analytes

All requirements for full raw data reporting are met for the reported data packages. That is, the data packages were complete as defined under the requirements for the NYSDEC ASP Category B deliverables, as requested on chain-of-custody forms.

3.1.2 Data Completeness – Semivolatile Organic Analytes

The data packages were complete as defined under the requirements for the NYSDEC ASP Category B deliverables.

3.1.3 Data Completeness – Polychlorinated Biphenyls

The data packages were complete as defined under the requirements for the NYSDEC ASP Category B deliverables.

3.1.4 Data Completeness – Metals

The data packages were complete as defined under the requirements for the NYSDEC ASP Category B deliverables.

3.1.5 Data Completeness – Cyanide

The data packages were complete as defined under the requirements for the NYSDEC ASP Category B deliverables.

3.2 Preservation and Holding Times

3.2.1 Preservation and Holding Time – Volatile Organic Analytes

For a majority of volatile analyses, all holding time and sample preservation criteria are met.

Volatile GC/MS analyses of several soil samples occurred more than 10 days after sample collection. These affected samples are presented in Table 3. All analyses occurred

within the method-defined holding time of 14 days but outside the USEPA Region II holding time (defined in SOP No. HW-24) of 10 days. Therefore, all positive results in the samples listed in Table 3 are flagged with a "J" qualifier and all non-detected results are flagged with a "UJ" qualifier, as noted in Table 2.

3.2.2 Preservation and Holding Time – Semivolatile Organic Analytes

All criteria are met.

3.2.3 Preservation and Holding Time – Polychlorinated Biphenyls

All criteria are met.

3.2.4 Preservation and Holding Time – Metals

All criteria are met.

3.2.5 Preservation and Holding Time – Cyanide

All criteria are met.

3.2 GC/MS Tunes

3.2.1 GC/MS Tunes – Volatile Organic Analytes

All USEPA Region II criteria are met.

3.2.2 GC/MS Tunes – Semivolatile Organic Analytes

All USEPA Region II criteria are met.

3.3 Initial and Continuing Calibrations

3.3.1 Initial and Continuing Calibrations – Volatile Organic Analytes

The % RSD values for trichlorofluoromethane, 1,1,2-trichlorotrifluoromethane, acetone, and carbon disulfide are greater than 15% in the initial calibration analyzed on March 30, 2004 from 15:16 to 16:47. Reported concentrations of acetone in samples E11STMGP-B6-34 and E11STMGP-B33-45 are flagged with a "J" qualifier. Additionally, the reported concentration of carbon disulfide in sample E11STMGP-B6-34 is also flagged with a "J" qualifier. All other listed compounds were not detected in associated samples and were not qualified.

The %RSD values for acetone, methyl acetate, 4-methyl-2-pentanone, trans-1,3-dichloropropene, and 2-hexanone are greater than 15% in the initial calibration analyzed on March 24, 2004 from 14:53 to 18:02. The reported concentrations of acetone in associated samples E11STMGP-B10-45, E11STMGP-B10-45DL, E11STMGP-TT15-12, E11STMGP-TT15-12DL, E11STMGP-B21-1415, E11STMGP-B21-1921, E11STMGP-B16-57, E11STMGP-B32-57, and E11STMGP-B21-1415RE are flagged with "J" qualifiers. All other listed compounds were not detected in associated samples and were not qualified.

The %D values for 1,1,2-trichlorotrifluoroethane, carbon disulfide, trans-1,2-dichloroethene, cyclohexane, 2-butanone, cis-1,2-dichloroethane, 1,1,1-trichloroethane, methylcyclohexane, benzene, and tetrachloroethene in the continuing calibration analyzed on April 8, 2004 at 18:07 are greater than 20%. The reported concentration of carbon disulfide in associated samples E11STMGP-B10-45, E11STMGP-B10-45DL, E11STMGP-TT15-12, and E11STMGP-TT15-12DL are flagged with "J" qualifiers. Additionally, the reported concentration of tetrachloroethene in sample E11STMGP-B10-45 is also flagged with a "J" qualifier. All other listed compounds were not detected in associated samples and were not qualified.

The %D values for bromomethane, chloroethane, acetone, carbon disulfide, methyl acetate, cis-1,2-dichloroethene, methylcyclohexane, 4-methyl-2-pentanone, 2-hexanone, and tetrachloroethene in the continuing calibration analyzed on April 9, 2004 at 20:34 are greater than 20%. The reported concentration of carbon disulfide in associated samples E11STMGP-B21-1415 and E11STMGP-B16-57 are flagged with "J" qualifiers. All other listed compounds were not detected in associated samples and were not qualified.

The %D values for bromomethane, carbon disulfide, and tetrachloroethene in the continuing calibration analyzed on April 10, 2004 at 21:24 are greater than 20%. The reported concentration of carbon disulfide in associated samples E11STMGP-B32-57 and E11STMGP-B32-3537 are flagged with "J" qualifiers. All other listed compounds were not detected in associated samples and were not qualified.

The %D values for dichlorodifluoromethane, bromomethane, chloroethane, carbon disulfide, methyl acetate, and tetrachloroethene in the continuing calibration analyzed on April 12, 2004 at 15:10 are greater than 20%. The reported concentration of carbon disulfide in associated sample E11STMGP-B21-1415RE is flagged with a "J" qualifier. All other listed compounds were not detected in associated samples and were not qualified.

The %RSD values for bromomethane, chloroethane, acetone, carbon disulfide, methylene chloride, 2-butanone, trans-1,3-dichloropropene, and 2-hexanone are greater than 15% in the initial calibration analyzed on March 15, 2004 from 19:35 to 21:09. Reported concentrations of acetone, carbon disulfide, methylene chloride, and 2-butanone in associated samples E11STMGP-B16-1719, E11STMGP-B16-1921, E11STMGP-B32-57RE, E11STMGP-B32-1315, E11STMGP-B32-2123, E11STMGP-B22-57, E11STMGP-B17-57, E11STMGP-B19-1214, E11STMGP-B14-810, and E11STMGP-B14-1416 are flagged with "J" qualifiers. Listed compounds that were not detected in associated samples and were not qualified.

The %D values for bromomethane, chloroethane, acetone, methyl tert-butyl ether, methyl acetate, methylene chloride, 1,1-dichloroethane, 2-butanone, carbon tetrachloride, methylcyclohexane, tetrachloroethene, and 1,2,4-trichlorobenzene in the continuing calibration

analyzed on April 17, 2004 at 20:48 are greater than 20%. The reported concentration of acetone in associated samples E11STMGP-B22-57 and E11STMGP-B17-57 are flagged with "J" qualifiers. All other listed compounds were not detected in associated samples and were not qualified.

The %D values for dichlorodifluoromethane, bromomethane, chloroethane, trichlorofluoromethane, 1,1,2-trichlorotrifluoroethane, carbon tetrachloride, 4-methyl-2-pentanone, trans-1,3-dichloropropene, and 2-hexanone in the continuing calibration analyzed on April 21, 2004 at 00:21 are greater than 20%. Reported %D values for methyl acetate and 2-butanone are greater than 90%. The reported non-detected results for methyl acetate and 2-butanone in sample E11STMGP-B19-1214 are flagged with "R" qualifiers. All other listed compounds were not detected in associated samples and were not qualified.

The %D values for dichlorodifluoromethane, chloromethane, bromomethane, chloroethane, trichlorofluoromethane, carbon disulfide, benzene, bromodichloromethane, 4-methyl-2-pentanone, trans-1,3-dichloropropene, cis-1,3-dichloropropene, 1,1,2-trichloroethane, and 2-hexanone in the continuing calibration analyzed on April 22, 2004 at 20:18 are greater than 20%. The reported concentration of benzene and carbon disulfide in associated samples E11STMGP-B15-810, E11STMGP-B34-57RE, and E11STMGP-B14-1416 are flagged with "J" qualifiers. All other listed compounds were not detected in associated samples and were not qualified.

The %RSD values for dichlorodifluoromethane, bromomethane, chloroethane, acetone, carbon disulfide, methylene chloride, trans-1,2-dichloroethene, 4-methyl-2-pentanone, toluene, trans-1,3-dichloropropene, cis-1,3-dichloropropene, 1,1,2-trichloroethene, 2-hexanone, dibromochloromethane, 1,2-dibromoethane, tetrachloroethene, styrene, bromoform, and 1,2-dibromo-3-chloropropane are greater than 15% in the initial calibration analyzed on March 12, 2004 from 15:33 to 18:42. Reported concentration of toluene in associated sample E11STMGP-B17-1012 is flagged with a "J" qualifier. Other listed compounds were not detected in associated samples and were not qualified.

The %RSD values for bromomethane, 1,1,2-trichlorotrifluoroethane, 1,1-dichloroethene, acetone, carbon disulfide, methylene chloride, 1,1-dichloroethane, 2-butanone, methylcyclohexane, trans-1,3-dichloropropene, 2-hexanone, and bromoform are greater than 15% in the initial calibration analyzed on April 28, 2004 from 11:14 to 13:50. Reported concentrations of acetone, carbon disulfide, methylene chloride, and methylcyclohexane in associated samples E11STMGP-B39-1921, E11STMGP-B5-35, E11STMGP-B5-79, E11STMGP-B04-57, E11STMGP-B04-911, E11STMGP-B23-57, E11STMGP-B23-2325, E11STMGP-B38-1618 are flagged with "J" qualifiers. Listed compounds that were not detected in associated samples and were not qualified.

The %D values for chloromethane, acetone, methyl acetate, and methylene chloride in the continuing calibration analyzed on April 30, 2004 at 08:41 are greater than 20%. Reported concentrations of acetone and methylene chloride in samples E11STMGP-B23-57, E11STMGP-B23-2325, and E11STMGP-B38-1618 are flagged with "J" qualifiers. Because none of the remaining listed compounds were detected in associated field samples, those data were not qualified.

The %RSD values for acetone, carbon disulfide, 2-hexanone, and bromoform are greater than 15% in the initial calibration analyzed on April 29, 2004 from 20:07 to 22:34. Reported concentrations of acetone in samples E11STMGP-RB01 and TRIPBLANK (VD050328.D) are flagged with "J" qualifiers. Listed compounds that were not detected in associated samples were not qualified.

The %RSD values for several target analytes are greater than 15% in the initial calibration analyzed on May 3, 2004 from 18:54 to 20:51. The reported concentrations of cyclohexane and toluene in samples E11STMGP-B11-1820, E11STMGP-TT10-56DL, E11STMGP-TT10-78DL, and E11STMGP-TT10-78DL2 are flagged with "J" qualifiers.

The %RSD values for several target analytes are greater than 15% in the initial calibration analyzed on May 5, 2004 from 13:32 to 16:23. Additionally, the average relative response factor for 1,2-dibromo-3-chloropropane is less than 0.050. The reported concentration of methylene chloride in sample E11STMGP-B11-2628 is flagged with a "J" qualifier. Reported non-detected results for 1,2-dibromo-3-chloropropane in samples E11STMGP-B11-2628, E11STMGP-B35-57, E11STMGP-TT19-34, E11STMGP-TT19-67, E11STMGP-B41-35, E11STMGP-B11-810, E11STMGP-TT10-56, and E11STMGP-TT10-78 are flagged with "R" qualifiers.

The %D values for several target analytes in the continuing calibration analyzed on May 5, 2004 at 19:36 are greater than 20%. Also, the relative response factor for 1,2-dibromo-3-chloropropane in this analysis is less than 0.050. Because none of the listed compounds were detected in associated field samples, data were not qualified. The reported concentration of methylene chloride in sample E11STMGP-B11-2628 is flagged with a "J" qualifier. Reported non-detected results for 1,2-dibromo-3-chloropropane in samples E11STMGP-B11-2628, E11STMGP-B35-57, E11STMGP-TT19-34, E11STMGP-TT19-67, E11STMGP-B41-35, E11STMGP-B11-810, E11STMGP-TT10-56, and E11STMGP-TT10-78 are flagged with "R" qualifiers.

The %D values for dichlorodifluoromethane, acetone, methyl tert-butyl ether, methyl acetate, 2-butanone, carbon tetrachloride, methylcyclohexane, trichloroethene, 4-methyl-2-pentanone, trans-1,3-dichloropropene, 2-hexanone, 1,2-dibromoethane, m/p-xylenes, isopropylbenzene, 1,4-dichlorobenzene, 1,2-dibromo-3-chloropropane, and 1,2,4-

trichlorobenzene in the continuing calibration analyzed on May 8, 2004 at 08:01 are greater than 20%. The %D values for methyl acetate and 2hexanone are greater than 90%. Reported non-detected results for methyl acetate and 2-hexanone in samples E11STMGP-TT22-34, E11STMGP-TT17-67, and E11STMGP-TT14-34 are flagged with "R" qualifiers. Because none of the remaining listed compounds were detected in associated field samples, data were not qualified.

The %RSD values for bromomethane, chloroethane, trichlorofluoromethane, 1,1-dichloroethene, acetone, methyl tert-butyl ether, bromoform, and 1,2-dibromo-3-chloropropane are greater than 15% in the initial calibration analyzed on May 13, 2004 from 18:37 to 20:15. The reported concentration of acetone in sample E11STMGP-RB02 is flagged with a "J" qualifier. Listed compounds that were not detected in associated samples were not qualified.

The %D values for several target analytes in the continuing calibration analyzed on May 24, 2004 at 22:28 are greater than 20%. Reported concentrations of cyclohexane and methylcyclohexane in samples E11STMGP-B08-1214 and E11STMGP-B45-2224 are flagged with "J" qualifiers.

The %RSD values for several target analytes are greater than 15% in the initial calibration analyzed on May 18, 2004 from 16:37 to 18:02. The reported concentration of acetone in sampleE11STMGP-TT03-23 is flagged with a "J" qualifier. The compounds that were not detected in associated samples were not qualified.

The %D values for several target analytes in the continuing calibration analyzed on May 21, 2004 at 15:40 are greater than 20%. The reported concentrations of methylene chloride in samples E11STMGP-TT08-34, E11STMGP-TT26-34, and E11STMGP-TT05-45 are flagged with "J" qualifiers.

3.3.2 Initial and Continuing Calibrations – Semivolatile Organic Analytes

The %D value for benzo(k)fluoranthene in the continuing calibration analyzed on March 24, 2004 at 16:50 is greater than 20%. The reported concentrations of benzo(k)fluoranthene in samples E11STMGP-B11-23, E11STMGP-B12-34, and E11STMGP-TT18-34 are flagged with "J" qualifiers.

The %RSD value for 4-nitrophenol is greater than 15% in the initial calibration analyzed on March 23, 2004 from 13:03 to 15:54. The reported concentrations of 4-nitrophenol in samples E11STMGP-B10-45 and E11STMGP-B10-45RE are flagged with "J" qualifiers.

The %D value for 2-methylnaphthalene in the continuing calibration analyzed on April 15, 2004 at 08:58 is greater than 20%. Reported concentrations of 2-methylnaphthalene in

samples E11STMGP-B10-45, E11STMGP-B10-45RE, and E11STMGP-TT15-12 are flagged with “J” qualifiers.

The %D values for dibenz(a,h)anthracene and benzo(g,h,i)perylene in the continuing calibration analyzed on April 28, 2004 at 03:30 are greater than 20%. Reported concentrations of these analytes in sample E11STMGP-B5-35 are flagged with “J” qualifiers.

The %D values for dibenzofuran, 2,4-dinitrotoluene, dibenz(a,h) anthracene, benzo(g,h,i)perylene, and 2,4-dinitrotoluene in the continuing calibration analyzed on April 24, 2004 at 20:40 are greater than 20%. The %D value for 2,4-dinitrophenol in the same continuing calibration is greater than 90%. Reported concentrations of dibenzofuran, 2,4-dinitrotoluene, dibenz(a,h)anthracene, benzo(g,h,i)perylene, and 2,4-dinitrotoluene are flagged with “J” qualifiers and all results for 2,4-dinitrophenol are flagged with “R” qualifiers in samples E11STMGP-B04-911, E11STMGP-B38-1618, E11STMGP-B37-57, E11STMGP-B23-1921, E11STMGP-B12-2123, E11STMGP-23-2325DL, E11STMGP-B37-1113DL, E11STMGP-B33-79DL, E11STMGP-B38-1012DL, and E11STMGP-B5-79DL.

The %D value for 4-nitrophenol in the continuing calibration analyzed on May 19, 2004 at 16:43 is greater than 90%. The reported result for 4-nitrophenol in sample E11STMGP-RB02 is flagged with an “R” qualifier.

The %D values for several compounds in the continuing calibration analyzed on May 4, 2004 at 23:53 are greater than 20%. Reported concentrations of dibenz(a,h)anthracene and benzo(g,h,i)perylene are flagged with “J” qualifiers in samples E11STMGP-B41-35, E11STMGP-B11-810, E11STMGP-B11-1820, E11STMGP-B60-810, E11STMGP-B35-57, E11STMGP-TT19-34, E11STMGP-TT19-67, E11STMGP-TT10-56, E11STMGP-TT10-78, and E11STMGP-TT21-56.

The %D values for several compounds in the continuing calibration analyzed on May 25, 2004 at 01:55 are greater than 20%. Reported concentrations of benzo(k)fluoranthene are flagged with “J” qualifiers in samples E11STMGP-TT05-45DL, E11STMGP-B45-79DL, E11STMGP-B08-1214DL, and E11STMGP-B45-2224DL.

The %D values for several compounds in the continuing calibration analyzed on May 25, 2004 at 23:53 are greater than 20%. Reported concentrations of benzo(k)fluoranthene and bis(2-ethylhexyl)phthalate are flagged with “J” qualifiers in samples E11STMGP-B07-57, E11STMGP-B07-1517, E11STMGP-B46-79, E11STMGP-B27-1012, E11STMGP-B57-1012, E11STMGP-B45-3234, E11STMGP-B27-1012DL, E11STMGP-B57-1012DL, and E11STMGP-B45-3234DL.

The %RSD values for several compounds in the initial calibration analyzed on May 28, 2004 from 14:57 to 16:57 are greater than 15%. The reported concentration of 4-nitrophenol in sample E11STMGP-SS20 is flagged with a "J" qualifier.

The %D values for several compounds in the continuing calibration analyzed on May 15, 2004 at 16:26 are greater than 20%. Reported concentrations of bis(2-ethylhexyl)phthalate and indeno(1,2,3-cd)pyrene are flagged with "J" qualifiers in samples E11STMGP-SS20, E11STMGP-SS18DL, E11STMGP-SS17DL, E11STMGP-SS16DL, E11STMGP-SS06, E11STMGP-SS05DL, E11STMGP-SS09, and E11STMGP-SS09DL.

The %D values for several compounds in the continuing calibration analyzed on June 14, 2004 at 16:40 are greater than 20%. Reported concentrations of bis(2-ethylhexyl)phthalate and indeno(1,2,3-cd)pyrene are flagged with "J" qualifiers in samples E11STMGP-SS19, E11STMGP-SS18, E11STMGP-SS17, E11STMGP-SS16, E11STMGP-SS15, E11STMGP-SS14, E11STMGP-SS13, E11STMGP-SS08, E11STMGP-SS07, E11STMGP-SS05, E11STMGP-SS10, E11STMGP-SS11, E11STMGP-SS12, and E11STMGP-SS21.

3.3.3 Initial and Continuing Calibrations – Polychlorinated Biphenyls

Initial and continuing calibration data are reported for two columns. The criteria to be used to qualify data are:

- Sample data are to be qualified when initial calibration acceptance criteria are not met on both columns
- Sample data continuing are to be qualified when calibration verification limits are not met on both columns

Since criteria are met for all parameters on at least one column for each calibration analysis, PCB data were not qualified based on calibration results.

3.3.4 Initial and Continuing Calibrations – Metals

All criteria are met.

3.3.5 Initial and Continuing Calibrations – Cyanide

All criteria are met.

3.4 Detection Limit Standards

3.4.1 Detection Limit Standards – Metals

The percent recovery for lead in the Contract Required Detection Limit (CRDL) standard associated with SDG S1842 is greater than EPA Region II limits. Reported concentrations for lead in samples E11STMGP-TT13-34, E11STMZGP-B11-23, E11STMGP-B12-34, E11STMGP-TT18-34, and E11STMGP-TT9-23 were flagged with "J" qualifiers.

Percent recoveries of cadmium and lead in the CRDL standard associated with SDG S1898 are greater than EPA Region II limits. Reported non-detect results for cadmium are flagged with "UJ" qualifiers and detected results for lead are flagged with "J" qualifiers in samples E11STMGP-B6-34 and E11STMGP-B33-45.

Percent recoveries of cadmium, chromium, and silver in the CRDL standard associated with SDG S2172 are greater than EPA Region II limits. Reported non-detect results for silver are flagged with "UJ" qualifiers and detected results for cadmium and chromium are flagged with "J" qualifiers in samples E11STMGP-B22-57, E11STMGP-B22-1012, E11STMGP-B17-57, E11STMGP-B17-1012, E11STMGP-B12-79, E11STMGP-B13-57, E11STMGP-B19-1214, E11STMGP-B19-1618, E11STMGP-B15-810, E11STMGP-B15-1416, E11STMGP-B61-1416, E11STMGP-B14-810, E11STMGP-B14-1416, E11STMGP-B34-57, E11STMGP-B34-1719, and E11STMGP-B10-911.

The percent recovery of selenium in the CRDL standard associated with SDG S2267 is greater than EPA Region II limits. Reported selenium non-detected results are flagged with "UJ" qualifiers and detected results are flagged with "J" qualifiers in samples E11STMGP-B5-35, E11STMGP-B5-79, E11STMGP-B5-1719, E11STMGP-B39-1921, E11STMGP-B12-2123, E11STMGP-B23-57, E11STMGP-B23-1921, E11STMGP-B37-57, E11STMGP-B37-1113, E11STMGP-B23-2325, E11STMGP-B38-1012, E11STMGP-B38-1618, E11STMGP-B04-57, E11STMGP-B04-911, and E11STMGP-B33-79.

Percent recoveries of lead and mercury in the CRDL standard associated with SDG S2600 are outside of EPA Region II limits. Reported results of these elements in sample E11STMGP-TT13-45 are flagged with "J" qualifiers.

Percent recoveries of mercury and lead in the CRDL standard associated with SDG S1898 are outside of EPA Region II limits. Reported results for mercury and lead are flagged with " "J" qualifiers in samples E11STMGP-B41-35, E11STMGP-B11-810, E11STMGP-B11-1820, E11STMGP-B11-2628, E11STMGP-B60-810, E11STMGP-B35-57, E11STMGP-TT19-34, E11STMGP-TT19-67, E11STMGP-TT10-56, E11STMGP-TT10-78, and E11STMGP-TT21-56.

The percent recovery of mercury in the CRDL standard associated with SDG S2372 is less than EPA Region II limits. The reported non-detected result for mercury in sample E11STMGP-RB01 is flagged with a "UJ" qualifier.

Percent recoveries of mercury and lead in the CRDL standard associated with SDG S2636 are outside of EPA Region II limits. Reported results for mercury and lead are flagged with " "J" qualifiers in samples E11STMGP-TT08-34, E11STMGP-TT26-34, E11STMGP-B08-

57, E11STMGP-B08-1214, E11STMGP-B45-79, E11STMGP-B45-2224, E11STMGP-TT05-45, and E11STMGP-TT03-23.

Percent recoveries of mercury and cadmium in CRDL standards associated with SDG S2684 are outside of EPA Region II limits. Reported results for mercury and cadmium are flagged with " "J" qualifiers in samples E11STMGP-B45-3234, E11STMGP-B07-57, E11STMGP-B07-1517, E11STMGP-B46-79, E11STMGP-B27-1012, and E11STMGP-B57-1012.

3.5 Blanks

3.5.1 Blanks – Volatile Organic Analytes

Methylene chloride was detected in both VBLK01 (VJ040804.D) and VBLK02 (VJ040904.D) associated with work order S2024. Reported concentrations of methylene chloride in samples E11STMGP-B10-45, E11STMGP-B10-45DL, E11STMGP-TT15-12, and E11STMGP-TT15-12DL are flagged with "U" qualifiers. A TIC is also reported in both blanks. This TIC has been identified as "column bleed" in the raw data and should not have been reported on the method blank reports.

Methylene chloride was detected in VBLK01 (VJ040919.D) associated with work order S2082. Reported concentrations of methylene chloride in samples E11STMGP-B21-1415, E11STMGP-B21-1921, and E11STMGP-B16-57 are flagged with "U" qualifiers.

Methylene chloride was detected in VBLK02 (VJ041034.D) associated with work order S2082. Reported concentrations of methylene chloride in samples E11STMGP-B32-57 and E11STMGP-B32-3537 are flagged with "U" qualifiers.

Methylene chloride was detected in VBLK03 (VJ041203.D) associated with work order S2082. The reported concentration of methylene chloride in sample E11STMGP-B21-1415RE is flagged with a "U" qualifier.

Methylene chloride was detected in VBLK03 (VJ043004.D) associated with work order S2267. The reported concentrations of methylene chloride in samples E11STMGP-B23-57, E11STMGP-B23-2325, and E11STMGP-B38-1618 are flagged with "U" qualifiers.

Acetone was detected in the equipment rinsate blank identified as E11STMGP-RB02. Because acetone was not detected in any sample reported in the same work order as the equipment blank, data were not qualified.

Acetone was detected in the equipment blank identified as E11STMGP-RB01 and the trip blank identified as TRIPBLANK in Chemtech work order S2372. Reported concentration of acetone in associated samples E11STMGP-B11-810 and E11STMGP-B11-2628 may include

measurement contributions from sources of contamination present during sample shipment and/or storage and are flagged with “U” qualifiers.

3.5.2 Blanks – Semivolatile Organic Analytes

The tentatively identified compounds (TICs) eluting at 18.08 minutes in samples E11STMGP-TT13-34 and E11STMGP-B11-23 were also detected in the associated method blank. These results are indicative of laboratory contamination. Results for this TIC in the listed samples are flagged with “U” qualifiers.

The compound bis(2-ethylhexyl)phthalate was detected in the method blank identified as SBLK01 in SDG number S2435. Reported concentrations of bis(2-ethylhexyl)phthalate in samples E11STMGP-TT22-34 and E11STMGP-TT17-67 are flagged with “U” qualifiers.

The compound bis(2-ethylhexyl)phthalate was detected in the equipment rinsate blank identified as E11STMGP-RB-03 in SDG number S2636. The reported concentration of bis(2-ethylhexyl)phthalate in sample E11STMGP-B45-79 is flagged with a “UJ” qualifier.

The TIC eluting at approximately 14.60 minutes in samples E11STMGP-TT22-34 and E11STMGP-TT17-67 is also detected in the associated method blank. These results are indicative of laboratory contamination. Results for this TIC in the listed samples are flagged with “U” qualifiers.

3.5.3 Blanks – Polychlorinated Biphenyls

All criteria were met

3.5.4 Blanks – Metals

All criteria were met

3.5.5 Blanks – Cyanide

All criteria were met.

3.6 Interference Check Samples

3.6.1 Interference Check Samples – Metals

All criteria were met

3.7 Surrogate Recoveries

3.7.1 Surrogate Recoveries – Volatile Organic Analytes

Sample E11STMGP-TT13-34 was analyzed two times by Method SW8260. Recoveries of surrogate compounds toluene-d_8 and 4-bromofluorobenzene were below USEPA Region II-specified acceptance limits in the original analysis, but all surrogate recoveries are within limits

in the re-analysis. Therefore, since target analytes were not detected in the original analysis, all results for sample E11STMGP-TT13-34 are flagged with a "UJ" qualifier.

Sample E11STMGP-B11-23 was analyzed two times by Method SW8260. Recoveries of surrogate compounds 1,2-dichloroethane-d_4, toluene-d_8, and 4-bromofluorobenzene were below USEPA Region II-specified acceptance limits in the original analysis, and recoveries of toluene-d_8 and 4-bromofluorobenzene are below limits in the re-analysis. Therefore, reported concentrations of target analytes are flagged with "J" qualifiers and non-detect results are flagged with "UJ" qualifiers in both samples.

Sample E11STMGP-TT18-34 was analyzed two times by Method SW8260. Recoveries of surrogate compounds toluene-d_8 and 4-bromofluorobenzene were below USEPA Region II-specified acceptance limits in the original analysis, but all recoveries are within limits in the re-analysis. Therefore, reported concentrations of target analytes are flagged with "J" qualifiers and non-detect results are flagged with "UJ" qualifiers in the original analysis.

Sample E11STMGP-B10-45 was analyzed two times by Method SW8260. Recoveries of surrogate compound 4-bromofluorobenzene were greater than USEPA Region II-specified acceptance limits in the original analysis as well as the diluted analysis. Therefore, reported concentrations of target analytes are flagged with "J" qualifiers in both analyses.

Sample E11STMGP-B21-1415 was analyzed two times by Method SW8260. Recovery of surrogate compound 4-bromofluorobenzene was below USEPA Region II-specified acceptance limits in the original analysis. Recovery of both 4-bronofluorobenzene and 1,2-dichloroethane-d4 are below acceptance criteria in the reanalysis. Therefore, reported concentrations of target analytes are flagged with "J" qualifiers and non-detected analytes are flagged with "UJ" qualifiers in both analyses.

Recovery of 4-bromofluorobenzene is below USEPA Region II-specified acceptance limits in sample E11STMGP-B21-1921. Therefore, reported concentrations of target analytes are flagged with "J" qualifiers and non-detected analytes are flagged with "UJ" qualifiers in this analysis.

Sample E11STMGP-B32-57 was analyzed two times by Method SW8260. Recovery of surrogate compound 4-bromofluorobenzene is greater than USEPA Region II-specified acceptance limits in the original analysis. Recovery of dibromofluoromethane is below acceptance criteria in the reanalysis. Because all surrogate compounds are recovered well within QC limits in at least one of the analyses and because the aberrant recoveries are both greater than and less than acceptance criteria, the non-compliant surrogate recoveries are likely laboratory anomalies and not due to matrix interferences. Associated target analyte results are not qualified.

Recovery of 4-bromofluorobenzene is below USEPA Region II-specified acceptance limits in sample E11STMGP-B32-1315. Therefore, reported concentrations of target analytes are flagged with "J" qualifiers and non-detected analytes are flagged with "UJ" qualifiers in this analysis. It is noted that all surrogate recoveries are within limits in the analysis of this sample performed at a five-fold dilution.

Recovery of 4-bromofluorobenzene is below USEPA Region II-specified acceptance limits in sample E11STMGP-B32-2123. Therefore, reported concentrations of target analytes are flagged with "J" qualifiers and non-detected analytes are flagged with "UJ" qualifiers in this analysis. It is noted that all surrogate recoveries are within limits in the analysis of this sample performed at a five-fold dilution.

Recovery of 4-bromofluorobenzene is greater than USEPA Region II-specified acceptance limits in sample E11STMGP-B32-3537. Recoveries of all surrogate compounds are within limits in the reanalysis of this sample. Therefore, results from the original analysis are all flagged as being estimated by attaching either "J" or "UJ" qualifiers as appropriate.

Recoveries of 1,2-dichloroethane-d4 and 4-bromofluorobenzene are greater than USEPA Region II-specified acceptance criteria in sample E11STMGP-B17-1012. Recovery of 1,2-dichloroethane-d4 in sample E11STMGP-B17-1012DL is, again, greater than QC limits (recovery of 4-bromofluorobenzene is compliant in this analysis). As a result, reported concentrations of methylcyclohexane, benzene, toluene, ethylbenzene, xylenes, and isopropylbenzene are flagged with "J" qualifiers in both analyses.

Recoveries of 1,2-dichloroethane-d4 and 4-bromofluorobenzene are less than USEPA Region II-specified acceptance criteria in sample E11STMGP-B07-1517. Target analytes were not detected in this sample. Therefore, results for all compounds are flagged with "UJ" qualifiers in this analysis.

Recovery of 4-bromofluorobenzene is less than USEPA Region II-specified acceptance limits in sample E11STMGP-SS12. Target analytes were not detected in this sample. Therefore, results for all compounds are flagged with "UJ" qualifiers in this analysis.

3.7.2 Surrogate Recoveries – Semivolatile Organic Analytes

While some surrogate recoveries fall outside of applicable limits, all USEPA Region II criteria are met and data were not qualified.

3.7.3 Surrogate Recoveries – Polychlorinated Biphenyls

While some surrogate recoveries fall outside of applicable limits, all USEPA Region II criteria are met and data were not qualified.

3.8 Matrix Spike/Matrix Spike Duplicates

Data were not qualified based on matrix spike (MS) and duplicate matrix spike (MSD) alone. MS/MSD recoveries were compared with associated LCS data. When LCS recoveries are compliant and MS/MSD recoveries fall outside applicable limits, matrix interferences are confirmed and data are qualified. Unless otherwise noted, it is assumed that sample matrices are sufficiently similar to qualify all field samples within a given SDG when aberrant recoveries are exhibited in MS/MSD analyses performed using a sample from the East 11th Street MGP site.

3.8.1 Matrix Spike/Matrix Spike Duplicates – Volatile Organic Analytes

Recoveries of all reported MS analytes are below laboratory-specified limits in the spiked analysis of sample E11STMGP-TT13-34. Three of the five reported spiked compounds are below acceptance criteria in the associated MSD analysis. Therefore, non-detect results in the un-spiked analysis of sample E11STMGP-TT13-34 are flagged "UJ" qualifiers (no target analytes were detected in this sample).

Recoveries of all reported spiked analytes are less than laboratory-specified limits in the MS analysis of sample E11STMGP-B32-1315. Reported recoveries of all analytes in the MSD analysis of this sample are within laboratory-defined limits, with the exception of chlorobenzene (which is greater than laboratory limits). Additionally, review of the raw data suggests that very high levels of non-target analytes eluted in the vicinity of chlorobenzene. As a result, data were not qualified.

Recoveries of all reported MSD analytes are within laboratory-defined limits in the spiked analysis of sample E11STMGP-B19-1214. Recoveries of 1,1-dichloroethene and chlorobenzene are below limits in the associated MS analysis. Because at least one spiked recovery of each reported analyte is within limits, data are not qualified.

Recovery of benzene is below laboratory-defined limits in the MS analysis of sample E11STMGP-TT14-34. Recoveries of 1,1-dichloroethene, benzene, and toluene are below laboratory-defined limits in the associated MSD analysis. Therefore, non-detect results in the un-spiked analysis of sample E11STMGP-TT14-34 are flagged "UJ" qualifiers (no target analytes were detected in this sample).

Recoveries of chlorobenzene are below laboratory-defined limits in MS analyses of sample E11STMGP-TT04-45. Non-detected results for chlorobenzene in samples E11STMGP-TT15-34 and E11STMGP-TT04-45 are flagged with "UJ" qualifiers.

Recoveries of 1,1-dichloroethene, benzene, and toluene are below laboratory-defined limits in MS/MSD analyses of sample E11STMGP-B11-1820. Non-detected results are flagged with "UJ" qualifiers and detected results are flagged with "J" qualifiers in samples E11STMGP-B41-35, E11STMGP-B11-810, E11STMGP-B11-1820, E11STMGP-B11-2628, E11STMGP-

B60-810, E11STMGP-B35-57, E11STMGP-TT19-34, E11STMGP-TT19-67, E11TSMGP-TT10-56, E11STMGP-TT10-78, and E11STMGP-TT21-56.

3.8.2 Matrix Spike/Matrix Spike Duplicates – Semivolatile Organic Analytes

Recoveries of hexachlorocyclopentadiene, acenaphthylene, 4,6-dinitro-2-methylphenol, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene, and benzo(g,h,i)perylene are lower than laboratory-defined limits in MS/MSD analyses of sample E11STMGP-SS16. Reported concentrations of the listed analytes are flagged with "J" qualifiers and non-detected results are flagged with "UJ" qualifiers in associated samples E11STMGP-SS05, E11STMGP-SS06, E11STMGP-SS07, E11STMGP-SS08, E11STMGP-SS09, E11STMGP-SS10, E11STMGP-SS11, E11STMGP-SS12, E11STMGP-SS13, E11STMGP-SS14, E11STMGP-SS15, E11STMGP-SS16, E11STMGP-SS17, E11STMGP-SS18, E11STMGP-SS19, E11STMGP-SS20, and E11STMGP-SS21.

Recoveries of bis(2-chloroethyl)ether, 2-chlorophenol, 2-methylphenol, 2,2-oxybis(1-chloropropane), hexachloroethane, nitrobenzene, 2-nitrophenol, 2,4-dimethylphenol, bis(2-chloroethoxy)methane, 2,4-dichlorophenol, naphthalene, 4-chloro-3-methylphenol, 2-methylnaphthalene, 2,4,6-trichlorophenol, 2,4,5-trichlorophenol, 2-chloronaphthalene, 2-nitroaniline, dimethylphthalate, acenaphthylene, acenaphthene, dibenzofuran, 2,4-dinitrotoluene, diethylphthalate, fluorene, 4-bromophenyl-phenyl ether, hexachlorobenzene, atrazine, anthracene, carbazole, di-n-butylphthalate, fluoranthene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, and benzo(a)pyrene are biased high in MS/MSD analyses of sample E11STMGP-B38-1618. Reported concentrations of these compounds are flagged with "J" qualifiers in all associated samples in SDG S2267 which includes E11STMGP-B5-35, E11STMGP-B5-79, E11STMGP-B5-1719, E11STMGP-B39-1921, E11STMGP-B12-2123, E11STMGP-B23-57, E11STMGP-B23-1921, E11STMGP-B37-57, E11STMGP-B37-1113, E11STMGP-B23-2325, E11STMGP-B38-1012, E11STMGP-B38-1618, E11STMGP-B04-57, E11STMGP-B04-911, and E11STMGP-B33-79.

Recoveries of dibenz(a,h)anthracene, 4-nitroaniline, indeno(1,2,3-cd)pyrene, carbazole, 2,4-dinitrophenol, and benzo(g,h,i)perylene are biased low in MS/MSD analyses of sample E11STMGP-B11-1820. Reported concentrations of these compounds are flagged with "J" flags and non-detected results are flagged with "UJ" qualifiers in all associated samples in SDG S2372 which includes E11STMGP-B41-35, E11STMGP-B11-810, E11STMGP-B11-1820, E11STMGP-B11-2628, E11STMGP-B60-810, E11STMGP-B35-57, E11STMGP-TT19-34, E11STMGP-B19-67, E11STMGP-TT10-56, E11STMGP-TT10-78, and E11STMGP-TT21-56.

Recoveries of fluorene, phenanthrene, chrysene, benzo(a)pyrene, benzo(b)fluoranthene, anthracene, benzo(a)anthracene, pyrene, and acenaphthene are greater than laboratory-derived limits and recoveries of di-n-butylphthalate, dibenz(a,h)anthracene, 4,6-dinitro-2-methylphenol,

indeno(1,2,3-cd)pyrene, benzo(k)fluoranthene, 3,3'dichlorobenzene, fluoranthene, 2,4-dinitrophenol, di-n-octyl phthalate, and benzo(g,h,I)perylene are less than acceptance criteria in MS/MSD analyses of sample E11STMGP-B19-1214. Reported concentrations of compounds exhibiting either bias are flagged with "J" qualifiers and non-detected results for compounds exhibiting a low bias are flagged with "UJ" qualifiers in all associated samples in SDG S2172 which includes E11STMGP-B22-57, E11STMGP-B22-1012, E11STMGP-B17-57, E11STMGP-B17-1012, E11STMGP-B12-79, E11STMGP-B13-57, E11STMGP-B19-1214, E11STMGP-B19-1618, E11STMGP-B15-810, E11STMGP-B15-1416, E11STMGP-B61-1416, E11STMGP-B14-810, E11STMGP-B14-1416, E11STMGP-B34-57, E11STMGP-B34-1719, and E11STMGP-B10-911.

Recoveries of bis(2-chloroethyl)ether, 2,2-oxybis(1-chloropropane), hexachloroethane, isophorone, naphthalene, 2-methylnaphthalene, acenaphthylene, acenaphthene, 4-nitrophenol, fluorene, di-n-butylphthalate, butylbenzylphthalate, bis(2-ethylhexyl)phthalate, and di-n-octyl phthalate are biased high in MS/MSD analyses of sample E11STMGP-TT08-34. Recoveries of most other (but not all) compounds are biased low in these analyses. Reported concentrations of compounds exhibiting either bias are flagged with "J" qualifiers and non-detected results for compounds exhibiting a low bias are flagged with "UJ" qualifiers in all associated samples in SDG S2636 which includes E11STMGP-TT08-34, E11STMGP-TT26-34, E11STMGP-B08-57, E11STMGP-B08-1214, E11STMGP-B45-79, E11STMGP-B45-2224, E11STMGP-TT05-45, and E11STMGP-TT03-23.

3.8.3 Matrix Spike/Matrix Spike Duplicates – Polychlorinated Biphenyls

MS/MSD data are reported for both columns. Data would have been flagged when acceptance criteria were not met on both columns and only for the sample spiked to generate the MS/MSD analyses; however, all criteria were met, and qualification of the PCB analytical results was not required based on MS/MSD recoveries.

3.8.4 Matrix Spike/Matrix Spike Duplicates – Metals

Recoveries of silver are less than 10% in spiked analyses of sample E11STMGP-B32-1315. Reported results of silver are flagged with "R" qualifiers in samples E11STMGP-B21-1415, E11STMGP-B21-1921, E11STMGP-B2-2325, E11STMGP-B16-57, E11STMGP-B16-1719, E11STMGP-B16-1921, E11STMGP-B32-57, E11STMGP-B32-1315, E11STMGP-B32-2123, and E11STMGP-B32-3537.

Recovery of mercury is low in the post-digestion spike performed on sample E11STMGP-TT14-34. Reported concentrations of mercury in samples E11STMGP-TT22-34, E11STMGP-TT17-67, and E11STMGP-TT14-34 are flagged with "J" qualifiers.

Recoveries of lead and silver are low in the matrix spike performed on sample E11STMGP-B11-1820. Reported concentrations of these elements in samples E11STMGP-B41-35, E11STMGP-B11-810, E11STMGP-B11-1820, E11STMGP-B11-2628, E11STMGP-B60-810, E11STMGP-B35-57, E11STMGP-TT19-34, E11STMGP-TT19-67, E11STMGP-TT10-56, E11STMGP-TT10-78, and E11STMGP-TT21-56 are flagged with "J" qualifiers and non-detected results are flagged with "UJ" qualifiers.

Recoveries of lead are greater than acceptance criteria and recoveries of mercury are low in the matrix spike performed on sample E11STMGP-TT08-34. Reported concentrations of these elements in samples E11STMGP-TT08-34, E11STMGP-TT26-34, E11STMGP-B08-57, E11STMGP-B08-1214, E11STMGP-B45-79, E11STMGP-B45-2224, E11STMGP-TT05-45, and E11STMGP-TT03-23 are flagged with "J" qualifiers and non-detected results are flagged with "UJ" qualifiers.

Recovery of lead is high in the post-digestion spike performed on sample E11STMGP-TT08-34. Reported concentrations of lead in samples E11STMGP-TT08-34, E11STMGP-TT26-34, E11STMGP-B08-57, E11STMGP-B08-1214, E11STMGP-B45-79, E11STMGP-B45-2224, E11STMGP-TT05-45, and E11STMGP-TT03-23 are flagged with "J" qualifiers.

Recoveries of mercury are greater than acceptance criteria and the relative percent difference (RPD) value for silver is greater than limits in the matrix spike performed on sample E11STMGP-SS16. Reported concentrations of mercury and silver in samples E11STMGP-SS05, E11STMGP-SS06, E11STMGP-SS07, E11STMGP-SS08, E11STMGP-SS09, E11STMGP-SS10, E11STMGP-SS11, E11STMGP-SS12, E11STMGP-SS13, E11STMGP-SS14, E11STMGP-SS15, E11STMGP-SS16, E11STMGP-SS17, E11STMGP-SS18, E11STMGP-SS19, E11STMGP-SS20, and E11STMGP-SS21 are flagged with "J" qualifiers.

Recovery of mercury is greater than acceptance criteria in the post-digestion spike performed on sample E11STMGP-SS16. Reported concentrations of mercury in samples E11STMGP-SS05, E11STMGP-SS06, E11STMGP-SS07, E11STMGP-SS08, E11STMGP-SS09, E11STMGP-SS10, E11STMGP-SS11, E11STMGP-SS12, E11STMGP-SS13, E11STMGP-SS14, E11STMGP-SS15, E11STMGP-SS16, E11STMGP-SS17, E11STMGP-SS18, E11STMGP-SS19, E11STMGP-SS20, and E11STMGP-SS21 are flagged with "J" qualifiers.

3.8.5 Matrix Spike/Matrix Spike Duplicates – Cyanide

All criteria were met.

3.9 Internal Standard Recoveries and Retention Times

3.9.1 Internal Standards – Volatile Organic Analytes

The area count for internal standard chlorobenzene-d_5 is below method-defined limits in sample E11STMGP-B10-45. Reported result for tetrachloroethene, ethylbenzene, m/p-xylenes, o-xylene, and styrene are flagged with "J" qualifiers and non-detect results for chlorobenzene and bromoform are flagged with "UJ" qualifiers.

Area counts for internal standard 1,2-dichlorobenzene-d_4 in samples E11STMGP-B10-45 and E11STMGP-B10-45DL are less than 25% the count in the associated 12-hour standard. Reported non-detect results for isopropylbenzene, 1,1,2,2-tetrachloroethane, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2-dichlorobenzene, 1,2-dibromo-3-chloropropane, and 1,2,4-trichlorobenzene in both samples are flagged with "R" qualifiers.

Area counts for all internal standard compounds in samples E11STMGP-B21-1415 and E11STMGP-B21-1921 are less than 50% of the count in the associated 12-hour standard. Area counts for internal standard 1,4-dichlorobenzene-d_4 are less than 25% of the count in the 12-hour standard. Reported concentrations of all detected compounds in these samples are flagged with "J" qualifiers and reported non-detect results for isopropylbenzene, 1,1,2,2-tetrachloroethane, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2-dichlorobenzene, 1,2-dibromo-3-chloropropane, and 1,2,4-trichlorobenzene in both samples are flagged with "R" qualifiers.

Area counts for internal standards pentafluorobenzene and 1,4-difluorobenzene in sample E11STMGP-B32-57 are less than 50% of the count in the associated 12-hour standard. Reported concentrations of acetone, carbon disulfide, methylene chloride, benzene, and toluene in this sample are flagged with a "J" qualifier. Reported non-detect results for dichlorodifluoromethane, chloromethane, vinyl chloride, bromomethane, chloroethane, trichlorofluoromethane, 1,1,2-trichlorotrifluoroethane, 1,1 dichloroethene, methyl tert-butyl ether, methyl acetate, trans-1,2-dichloroethene, 1,1-dichloroethane, cyclohexane, 2-butanone, carbon tetrachloride, 2,2-dichloropropane, cis-1,2-dichloroethene, chloroform, 1,1,1-trichloroethane, methylcyclohexane, 1,2-dichloroethane, trichloroethene, 1,2-dichloropropane, bromodichloromethane, 4-methyl-2-pentanone, trans-1,3-dichloropropene, cis-1,3-dichloropropene, 1,1,2-trichloroethane, 2-hexanone, dibromochloromethane, and 1,2 dibromoethane are flagged with "UJ" qualifiers.

Area counts for internal standards 1,4-difluorobenzene and chlorobenzene-d5 in sample E11STMGP-B32-3537 are less than 50% of the counts in the associated 12-hour standard. The area count for pentafluorobenzene is less than 25% of that in the 12-hour standard. Reported concentrations of carbon disulfide, methylene chloride, benzene, ethylbenzene, m/p-xylenes, and o-xylene are flagged with "J" qualifiers. Non-detected concentrations of

dichlorodifluoromethane, chloromethane, vinyl chloride, bromomethane, chloroethane, trichlorofluoromethane, 1,1,2-trichlorotrifluoroethane, 1,1-dichloroethene, acetone, methyl tert-butyl ether, methyl acetate, trans-1,2-dichloroethene, 1,1-dichloroethane, cyclohexane, 2-butanone, 2,2-dichloropropane, cis-1,2-dichloroethene, chloroform, 1,1,1-trichloroethane, and methylcyclohexane are flagged with "R" qualifiers. All remaining non-detected results are flagged with "UJ" qualifiers, with the exception of isopropylbenzene, 1,1,2,2-tetrachloroethane, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2-dichlorobenzene, 1,2-dibromo-3-chloropropane, and 1,2,4-trichlorobenzene.

Area counts for internal standard 1,2-dichlorobenzene-d_4 in sample E11STMGP-B21-1415RE is less than 50% the count in the associated 12-hour standard. Reported non-detected results for isopropylbenzene, 1,1,2,2-tetrachloroethane, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2-dichlorobenzene, 1,2-dibromo-3-chloropropane, and 1,2,4-trichlorobenzene are flagged with "UJ" qualifiers.

Area counts for internal standards chlorobenzene-d_5 and 1,4-dichlorobenzene-d_4 in samples E11STMGP-B32-1315 and E11STMGP-B32-2123 are greater than 200% of the 12-hour standard area counts. Reported results for ethylbenzene, m/p-xylenes, o-xylene, and isopropyl benzene in both samples are flagged with "J" qualifiers.

The area count for internal standard 1,4-difluorobenzene in sample E11STMGP-B32-2123DL is less than 50% of the area count in the associated 12-hour standard. The reported concentration of benzene in this sample is flagged with a "J" qualifier. The reported non-detected results for carbon tetrachloride, 1,2-dichloroethane, trichloroethene, 1,2-dichloropropane, Bromodichloromethane, 4-methyl-2-pentanone, toluene, trans-1,3-dichloropropene, cis-1,3-dichloropropene, 1,1,2-trichloroethane, 2-hexanone, dibromochloromethane, and 1,2-dibromoethane are flagged with "UJ" qualifiers.

Area counts for all internal standard compounds in sample E11STMGP-B17-1012 are less than 50% of the count in the associated 12-hour standard. Reported concentrations of all detected compounds in this sample are flagged with "J" qualifiers and reported non-detect results are flagged with "UJ" qualifiers.

Area counts for all internal standard compounds except pentafluorobenzene in sample E11STMGP-B17-1012DL are less than 50% of the count in the associated 12-hour standard. Reported concentrations of benzene, ethylbenzene, m/p-xylenes, o-xylene, and isopropylbenzene in this sample are flagged with "J" qualifiers and reported non-detect results for 1,2-dichloroethane, trichloroethene, 1,2-dichloropropane, bromodichloromethane, 4-methyl-2-pentanone, toluene, trans-1,3-dichloropropene, cis-1,3-dichloropropene, 1,1,2-trichloroethane, 2-hexanone, dibromochloromethane, 1,2-dibromoethane, tetrachloroethene, chlorobenzene, styrene, bromoform, 1,1,2,2-tetrachloroethane, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2-

dichlorobenzene, 1,2-dibromo-3-chloropropane, and 1,2,4-trichlorobenzene are flagged with "UJ" qualifiers.

Area counts for all internal standard compounds in sample E11STMGP-B34-57 are less than 25% of the count in the associated 12-hour standard. Reported concentrations of all detected compounds in this sample are flagged with "J" qualifiers and reported non-detect results are flagged with "R" qualifiers.

Area counts for all internal standard compounds in sample E11STMGP-B34-57RE are less than 50% of the count in the associated 12-hour standard. Area counts for internal standard 1,4-dichlorobenzene-d_4 are less than 25% of the count in the 12-hour standard. Reported concentrations of all detected compounds in these samples are flagged with "J" qualifiers and reported non-detect results for isopropylbenzene, 1,1,2,2-tetrachloroethane, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2-dichlorobenzene, 1,2-dibromo-3-chloropropane, and 1,2,4-trichlorobenzene in both samples are flagged with "R" qualifiers. The remaining non-detected results are flagged with "UJ" qualifiers.

Area counts for all internal standard compounds in sample E11STMGP-TT10-56 are less than 25% of the count in the associated 12-hour standard. Reported concentrations of all detected compounds in this sample are flagged with "J" qualifiers and reported non-detected results are flagged with "R" qualifiers.

The area count for internal standard 1,2-dichlorobenzene-d_4 in sample E11STMGP-B07-1517 is less than 50% the count in the associated 12-hour standard. Reported non-detected results for isopropylbenzene, 1,1,2,2-tetrachloroethane, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2-dichlorobenzene, 1,2-dibromo-3-chloropropane, and 1,2,4-trichlorobenzene are flagged with "UJ" qualifiers.

The area count for internal standard 1,2-dichlorobenzene-d_4 in sample E11STMGP-SS12RE is less than 50% the count in the associated 12-hour standard. Reported non-detected results for isopropylbenzene, 1,1,2,2-tetrachloroethane, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2-dichlorobenzene, 1,2-dibromo-3-chloropropane, and 1,2,4-trichlorobenzene are flagged with "UJ" qualifiers.

3.9.2 Internal Standards – Semivolatile Organic Analytes

Recoveries of internal standard chrysene-d_{12} are greater than method-specified limits in analyses of samples E11STMGP-B10-45 and E11STMGP-B10-45RE. Reported concentrations of pyrene, benzo(a)anthracene, and chrysene in these samples are flagged with "J" qualifiers.

Recoveries of internal standard perylene-d_{12} are less than method-specified limits in analyses of samples E11STMGP-B23-2325, E11STMGP-B37-1113, E11STMGP-B33-79,

E11STMGP-B38-1012, and E11STMGP-B5-79. Reported concentrations of benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, dibenz(a,h)anthracene, and benzo(g,h,i)perylene in these samples are flagged with "J" qualifiers if detected and with "UJ" qualifiers if not detected.

Recoveries of internal standards naphthalene-d_8 and acenaphthene-d_{10} are less than method-defined limits in sample E11STMGP-B11-810DL. Additionally, the recovery of internal standard 1,4-dichlorobenzene-d_4 is less than 25% of the associated 12-hour standard. Therefore, reported results for naphthalene, 2-methylnaphthalene, acenaphthylene, acenaphthene, and fluorine are flagged with "J" qualifiers; non-detected results for acetophenone, nitrobenzene, isophorone, 2-nitrophenol, 2,4-dimethylphenol, bis(2-chloroethoxy)methane, 2,4-dichlorophenol, 4-chloroaniline, hexachlorobutadiene, caprolactam, 4-chloro-3-methylphenol, hexachlorocyclopentadiene, 2,4,6-trichlorophenol, 2,4,5-trichlorophenol, 1,1-biphenyl, 2-chloronaphthalene, 2-nitroaniline, dimethylphthalate, 2,6-dinitrotoluene, 3-nitroaniline, 2,4-dinitrophenol, 4-nitrophenol, dibenzofuran, 2,4-dinitrotoluene, diethylphthalate, 4-chlorophenyl phenyl ether, and 4-nitroaniline are flagged with "UJ" qualifiers; and all results for benzaldehyde, phenol, bis(2-chloroethyl)ether, 2-chlorophenol, 2-methylphenol, 2,2-oxybis(1-chloropropane), 3-/4-methylphenol, N-nitroso-di-n-propylamine, and hexachloroethane are flagged with "R" qualifiers.

Recoveries of internal standard perylene-d12 are less than method-defined limits in samples E11STMGP-SS16 and E11STMGP-SS17. Reported concentrations of benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, dibenz(a,h)anthracene, and benzo(g,h,i)perylene are flagged with "J" qualifiers and non-detected results for these analytes are flagged with "UJ" qualifiers in the listed samples.

Recoveries of internal standard perylene-d12 are less than method-defined limits in sample E11STMGP-B45-2224DL2. Reported results for benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, dibenz(a,h)anthracene, and benzo(g,h,i)perylene are not detected and are flagged with "UJ" qualifiers in this sample.

3.10 Laboratory Control Samples

3.10.1 Laboratory Control Samples – Volatile Organic Analytes

All criteria are met.

3.10.2 Laboratory Control Samples – Semivolatile Organic Analytes

The recovery of 4-nitrophenol in the LCS associated with SDG number S2024 is greater than laboratory-specified limits. Reported concentrations of 4-nitrophenol in samples E11STMGP-B10-45 and E11STMGP-B10-45RE are flagged with "J" qualifiers.

Recovery of phenol in the LCS identified as SLCS02 in SDG number 2636 is less than laboratory-specified limits. The reported undetected result for phenol in sample E11STMGP-RB-03 is flagged with "UJ" qualifiers.

3.10.3 Laboratory Control Samples – Polychlorinated Biphenyls

All criteria were met.

3.10.4 Laboratory Control Samples – Metals

All criteria were met.

3.10.5 Laboratory Control Samples – Cyanide

All criteria were met.

3.11 Sample Quantitation and Reported Quantitation Limits

3.11.1 Quantitation Limits – Volatile Organic Analytes

Sample calculations were spot-checked; there were no errors noted.

Select target analytes results were reported below the lowest calibration standard level and quantitation limit. These results were qualified as estimated (J) by the laboratory.

Some samples were analyzed using dilutions. Generally, some target analytes are reported at concentrations within the calibration range in these samples; however, most target analytes are reported as not detected and are associated with elevated reporting limits.

Some samples were analyzed using diluted sample amounts. Generally, some target analytes are reported at concentrations within the calibration range in these samples; however, most target analytes are reported as not detected and are associated with elevated reporting limits.

3.11.2 Quantitation Limits – Semivolatile Organic Analytes

Sample calculations were spot-checked; there were no errors noted.

Select target analytes results were reported below the lowest calibration standard level and quantitation limit. These results were qualified as estimated (J) by the laboratory.

Some samples were analyzed using diluted extracts. Generally, some target analytes are reported at concentrations within the calibration range in these samples; however, most target analytes are reported as not detected and are associated with elevated reporting limits.

3.11.3 Quantitation Limits – Polychlorinated Biphenyls

Samples did not require dilutions. All criteria were met.

3.9.5 Quantitation Limits – Cyanide

Samples did not require dilutions. All criteria were met.

3.12 Target Compound Identification

3.12.1 Target Compound Identification – Volatile Organic Analytes

All criteria are met.

3.12.2 Target Compound Identification – Semivolatile Organic Analytes

All criteria are met.

3.12.3 Target Compound Identification – Polychlorinated Biphenyls

There is more than 25% difference between the calculated concentrations of Aroclor 1260 in sample E11STMGP-TT03-23DL. The reported concentration is, therefore, flagged with a "J" qualifier.

3.13 Duplicate Results

3.13.1 Duplicate Results – Metals

All criteria were met for laboratory duplicate analyses.

3.13.2 Duplicate Results – Cyanide

All criteria were met for laboratory duplicate analyses.

3.14 Serial Dilutions

3.14.1 Serial Dilutions – Metals

Recovery of arsenic in the serial dilution performed using sample E11STMGP-B32-1315 is greater than 10%. Reported results for arsenic in samples E11STMGP-B21-1415, E11STMGP-B21-1921, E11STMGP-B2-2325, E11STMGP-B16-57, E11STMGP-B16-1719, E11STMGP-B16-1921, E11STMGP-B32-57, E11STMGP-B32-1315, E11STMGP-B32-2123, and E11STMGP-B32-3537 are flagged with "J" qualifiers.

Recovery of arsenic in the serial dilution performed using sample E11STMGP-B19-1214 is greater than 10%. Reported results for arsenic in samples E11STMGP-B22-57, E11STMGP-B22-1012, E11STMGP-B17-57, E11STMGP-B17-1012, E11STMGP-B12-79, E11STMGP-B13-57, E11STMGP-B19-1214, E11STMGP-B19-1618, E11STMGP-B15-810, E11STMGP-B15-1416, E11STMGP-B61-1416, E11STMGP-B14-810, E11STMGP-B14-1416, E11STMGP-B34-57, E11STMGP-B34-1719, and E11STMGP-B10-911 are flagged with "J" qualifiers.

Recovery of mercury in the serial dilution performed using sample E11STMGP-TT14-34 is greater than 10%. Reported results for mercury in samples E11STMGP-TT22-34, E11STMGP-TT17-67, and E11STMGP-TT14-34 are flagged with “J” qualifiers.

Recovery of arsenic in the serial dilution performed using sample E11STMGP-TT04-45 is greater than 10%. Reported results for arsenic in samples E11STMGP-TT15-34 and E11STMGP-TT04-45 are flagged with “J” qualifiers.

Recoveries of arsenic, barium, and lead in the serial dilution performed using sample E11STMGP-TT08-34 is greater than 10%. Reported results for these elements in samples E11STMGP-TT08-34, E11STMGP-TT26-34, E11STMGP-B08-57, E11STMGP-B08-1214, E11STMGP-B45-79, E11STMGP-B45-2224, E11STMGP-TT05-45, and E11STMGP-TT03-23 are flagged with “J” qualifiers.

Recoveries of chromium and lead in the serial dilution performed using sample E11STMGP-B07-57 are greater than 10%. Reported results for these elements in samples E11STMGP-B45-3234, E11STMGP-B07-57, E11STMGP-B07-1517, E11STMGP-B46-79, E11STMGP-B27-1012, and E11STMGP-B57-1012 are flagged with “J” qualifiers.

DATA ASSESSMENT NARRATIVE TABLES

Table 1: Samples Reviewed and Associated Analytical Methods

Matrix	Sample ID	Collection Date	Collection Time	Methods						Lab Sample ID
Soil	E11STMGP-TT13-34	3/17/04	1030	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S1842-01
Soil	E11STMGP-B11-23	3/17/04	1310	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S1842-02
Soil	E11STMGP-B12-34	3/17/04	1550	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S1842-03
Soil	E11STMGP-TT18-34	3/18/04	1300	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S1842-04
Soil	E11STMGP-TT9-23	3/22/04	1340	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S1842-05
Soil	E11STMGP-B6-34	3/23/04	1300	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S1898-01
Soil	E11STMGP-B33-45	3/23/04	1425	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S1898-02
Soil	E11STMGP-B10-45	3/26/04	1000	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2024-01
Soil	E11STMGP-TT15-12	3/29/04	1520	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2024-02
Soil	E11STMGP-B21-1415	4/5/04	--	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2082-01
Soil	E11STMGP-B21-1921	4/5/04	1250	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2082-02
Soil	E11STMGP-B2-2325	4/5/04	1320	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2082-03
Soil	E11STMGP-B16-57	4/6/04	1130	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2082-04
Soil	E11STMGP-B16-1719	4/6/04	1215	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2082-05
Soil	E11STMGP-B16-1921	4/6/04	1320	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2082-06
Soil	E11STMGP-B32-57	4/6/04	1430	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2082-07
Soil	E11STMGP-B32-1315	4/6/04	1540	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2082-08
Soil	E11STMGP-B32-2123	4/6/04	1520	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2082-09
Soil	E11STMGP-B32-3537	4/7/04	1045	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2082-10
Soil	E11STMGP-B22-57	4/8/04	1000	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2172-01
Soil	E11STMGP-B22-1012	4/8/04	1025	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2172-02
Soil	E11STMGP-B17-57	4/8/04	1415	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2172-03
Soil	E11STMGP-B17-1012	4/8/04	1445	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2172-04
Soil	E11STMGP-B12-79	4/9/04	1340	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2172-05

Table 1: Samples Reviewed and Associated Analytical Methods (continued)

Matrix	Sample ID	Collection Date	Collection Time	Methods						Lab Sample ID
Soil	E11STMGP-B13-57	4/12/04	1000	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2172-06
Soil	E11STMGP-B19-1214	4/12/04	1125	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2172-07
Soil	E11STMGP-B19-1618	4/12/04	1200	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2172-10
Soil	E11STMGP-B15-810	4/13/04	1040	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2172-11
Soil	E11STMGP-B15-1416	4/13/04	1045	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2172-12
Soil	E11STMGP-B61-1416	4/13/04	1500	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2172-13
Soil	E11STMGP-B14-810	4/13/04	1150	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2172-14
Soil	E11STMGP-B14-1416	4/13/04	1200	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2172-15
Soil	E11STMGP-B34-57	4/14/04	1100	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2172-16
Soil	E11STMGP-B34-1719	4/14/04	1110	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2172-17
Soil	E11STMGP-B10-911	4/14/04	1420	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2172-18
Soil	E11STMGP-B5-35	4/15/04	1040	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2267-01
Soil	E11STMGP-B5-79	4/15/04	1050	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2267-02
Soil	E11STMGP-B5-1719	4/15/04	1105	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2267-03
Soil	E11STMGP-B39-1921	4/15/04	1410	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2267-04
Soil	E11STMGP-B12-2123	4/15/04	1350	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2267-05
Soil	E11STMGP-B23-57	4/19/04	1340	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2267-06
Soil	E11STMGP-B23-1921	4/19/04	1455	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2267-07
Soil	E11STMGP-B37-57	4/20/04	1030	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2267-08
Soil	E11STMGP-B37-1113	4/20/04	1045	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2267-09
Soil	E11STMGP-B23-2325	4/20/04	1015	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2267-10
Soil	E11STMGP-B38-1012	4/20/04	1400	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2267-11
Soil	E11STMGP-B38-1618	4/20/04	1415	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2267-12
Soil	E11STMGP-B04-57	4/21/04	0945	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2267-13
Soil	E11STMGP-B04-911	4/21/04	0955	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2267-14
Soil	E11STMGP-B33-79	4/21/04	1115	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2267-15

Table 1: Samples Reviewed and Associated Analytical Methods (continued)

Matrix	Sample ID	Collection Date	Collection Time	Methods						Lab Sample ID
Soil	E11STMGP-TT22-34	4/29/04	1000	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2435-01
Soil	E11STMGP-TT17-67	4/30/04	1013	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2435-02
Soil	E11STMGP-TT14-34	5/4/04	1120	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2435-03
Soil	E11STMGP-TT15-34	5/4/04	1400	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2541-01
Soil	E11STMGP-TT04-45	5/10/04	1430	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2541-02
Aqueous	E11TMGP-RB02	5/12/04	1330	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2541-05
Aqueous	TRIPBLANKS	5/12/04	--	SW8260	--	--	--	--	--	S2541-06
Soil	E11STMGP-TT13-45	5/14/04	1050	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2600-01
Soil	E11STMGP-B41-35	4/22/04	1010	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2372-01
Soil	E11STMGP-B11-810	4/22/04	1115	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2372-02
Soil	E11STMGP-B11-1820	4/22/04	1145	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2372-03
Soil	E11STMGP-B11-2628	4/22/04	1240	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2372-06
Soil	E11STMGP-B60-810	4/22/04	1115	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2372-07
Soil	E11STMGP-B35-57	4/26/04	1100	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2372-08
Soil	E11STMGP-TT19-34	4/26/04	1215	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2372-09
Soil	E11STMGP-TT19-67	4/26/04	1245	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2372-10
Soil	E11STMGP-TT10-56	4/27/04	1015	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2372-11
Soil	E11STMGP-TT10-78	4/27/04	1035	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2372-12
Soil	E11STMGP-TT21-56	4/28/04	1030	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2372-13
Aqueous	E11STMGP-RB01	4/27/04	1330	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2372-14
Aqueous	TRIPBLANK	4/28/04	--	SW8260	SW8270	--	--	--	--	S2372-15
Soil	E11STMGP-TT08-34	5/17/04	1415	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2636-01
Soil	E11STMGP-TT26-34	5/17/04	1000	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2636-04
Soil	E11STMGP-B08-57	5/18/04	1100	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2636-05
Soil	E11STMGP-B08-1214	5/18/04	1130	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2636-06
Soil	E11STMGP-B45-79	5/19/04	0945	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2636-07

Table 1: Samples Reviewed and Associated Analytical Methods (continued)

Matrix	Sample ID	Collection Date	Collection Time	Methods						Lab Sample ID
Soil	E11STMGP-B45-2224	5/19/04	1345	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2636-08
Soil	E11STMGP-TT05-45	5/18/04	1340	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2636-09
Soil	E11STMGP-TT03-23	5/19/04	1330	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2636-10
Aqueous	E11STMGP-RB-03	5/19/04	1130	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2636-11
Aqueous	TRIPBLANK	5/19/04	--	SW8260	--	--	--	--	--	S2636-12
Soil	E11STMGP-B45-3234	5/20/04	1030	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2684-01
Soil	E11STMGP-B07-57	5/20/04	1000	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2684-02
Soil	E11STMGP-B07-1517	5/20/04	1045	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2684-03
Soil	E11STMGP-B46-79	5/20/04	1140	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2684-04
Soil	E11STMGP-B27-1012	5/20/04	1400	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2684-05
Soil	E11STMGP-B57-1012	5/20/04	1000	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2684-06
Aqueous	TRIPBLANK	5/20/04	--	SW8260	--	--	--	--	--	S2684-07
Soil	E11STMGP-SS20	6/9/04	1040	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2989-01
Soil	E11STMGP-SS19	6/9/04	1106	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2989-02
Soil	E11STMGP-SS18	6/9/04	1053	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2989-03
Soil	E11STMGP-SS17	6/9/04	1100	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2989-04
Soil	E11STMGP-SS16	6/9/04	1130	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2989-05
Soil	E11STMGP-SS15	6/9/04	1158	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2989-08
Soil	E11STMGP-SS14	6/9/04	1140	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2989-09
Soil	E11STMGP-SS13	6/9/04	1150	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2989-10
Soil	E11STMGP-SS08	6/9/04	1240	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2989-11
Soil	E11STMGP-SS07	6/9/04	1300	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2989-12
Soil	E11STMGP-SS06	6/9/04	1245	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2989-13
Soil	E11STMGP-SS05	6/9/04	1250	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2989-14
Soil	E11STMGP-SS09	6/9/04	1430	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2989-15
Soil	E11STMGP-SS10	6/9/04	1425	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2989-16

Table 1: Samples Reviewed and Associated Analytical Methods (continued)

Matrix	Sample ID	Collection Date	Collection Time	Methods						Lab Sample ID
Soil	E11STMGP-SS11	6/9/04	1440	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2989-17
Soil	E11STMGP-SS12	6/9/04	1435	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2989-18
Soil	E11STMGP-SS21	6/9/04	1600	SW8260	SW8270	SW8082	SW9012	SW6010	SW7471	S2989-19

SW *Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods*, (U.S. Environmental Protection Agency)
8082 Method 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography
8260 Method 8260B - Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)
8270 Method 8270C - Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)
9012 Method 9012A - Total and Amenable Cyanide (Automated Colorimetric, with Off-Line Distillation)
6010 Method 6010B – Inductively Coupled Plasma-Atomic Emission Spectrometry
7471 Method 7471A – Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Technique)
-- No data

Table 2: Qualified Analytical Data

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B2-2325	SW6010	Silver	R	MS/MSD recoveries in SDG < 10%.
E11STMGP-B2-2325	SW6010	Arsenic	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B04-911	SW8260	Acetone	J	Initial calibration %RSD >15%.
E11STMGP-B04-911	SW8260	Methylcyclohexane	J	Initial calibration %RSD >15%.
E11STMGP-B04-911	SW8270	Naphthalene	J	High MS/MSD recovery.
E11STMGP-B04-911	SW8270	2-Methylnaphthalene	J	High MS/MSD recovery.
E11STMGP-B04-911	SW8270	Acenaphthene	J	High MS/MSD recovery.
E11STMGP-B04-911	SW8270	Fluorene	J	High MS/MSD recovery.
E11STMGP-B04-911	SW8270	Anthracene	J	High MS/MSD recovery.
E11STMGP-B04-911	SW8270	Di-n-butylphthalate	J	High MS/MSD recovery.
E11STMGP-B04-911	SW8270	Fluoranthene	J	High MS/MSD recovery.
E11STMGP-B04-911	SW8270	Benzo(a)anthracene	J	High MS/MSD recovery.
E11STMGP-B04-911	SW8270	Benzo(b)fluoranthene	J	High MS/MSD recovery.
E11STMGP-B04-911	SW8270	Benzo(a)pyrene	J	High MS/MSD recovery.
E11STMGP-B04-911	SW8270	2,4-Dinitrophenol	R	Continuing calibration %D > 90%.
E11STMGP-B04-911	SW6010	Selenium	J	CRDL recovery > 120%.
E11STMGP-B04-57	SW8270	Naphthalene	J	High MS/MSD recovery.
E11STMGP-B04-57	SW8270	2-Methylnaphthalene	J	High MS/MSD recovery.
E11STMGP-B04-57	SW8270	Acenaphthylene	J	High MS/MSD recovery.
E11STMGP-B04-57	SW8270	Acenaphthene	J	High MS/MSD recovery.
E11STMGP-B04-57	SW8270	Dibenzofuran	J	High MS/MSD recovery.
E11STMGP-B04-57	SW8270	Fluorene	J	High MS/MSD recovery.
E11STMGP-B04-57	SW8270	Anthracene	J	High MS/MSD recovery.
E11STMGP-B04-57	SW8270	Carbazole	J	High MS/MSD recovery.
E11STMGP-B04-57	SW8270	Di-n-butylphthalate	J	High MS/MSD recovery.
E11STMGP-B04-57	SW8270	Fluoranthene	J	High MS/MSD recovery.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B04-57	SW8270	Benzo(a)anthracene	J	High MS/MSD recovery.
E11STMGP-B04-57	SW8270	Benzo(b)fluoranthene	J	High MS/MSD recovery.
E11STMGP-B04-57	SW8270	Benzo(k)fluoranthene	J	High MS/MSD recovery.
E11STMGP-B04-57	SW8270	Benzo(a)pyrene	J	High MS/MSD recovery.
E11STMGP-B04-57	SW8260	Carbon disulfide	J	Initial calibration %RSD >15%.
E11STMGP-B04-57	SW8270	Selenium	UJ	CRDL recovery > 120%.
E11STMGP-B5-1719	SW8270	Naphthalene	J	High MS/MSD recovery.
E11STMGP-B5-1719	SW8270	2-Methylnaphthalene	J	High MS/MSD recovery.
E11STMGP-B5-1719	SW8270	Acenaphthylene	J	High MS/MSD recovery.
E11STMGP-B5-1719	SW8270	Acenaphthene	J	High MS/MSD recovery.
E11STMGP-B5-1719	SW8270	Fluorene	J	High MS/MSD recovery.
E11STMGP-B5-1719	SW8270	Anthracene	J	High MS/MSD recovery.
E11STMGP-B5-1719	SW8270	Di-n-butylphthalate	J	High MS/MSD recovery.
E11STMGP-B5-1719	SW8270	Fluoranthene	J	High MS/MSD recovery.
E11STMGP-B5-1719	SW8270	Benzo(a)anthracene	J	High MS/MSD recovery.
E11STMGP-B5-1719	SW8270	Benzo(b)fluoranthene	J	High MS/MSD recovery.
E11STMGP-B5-1719	SW8270	Benzo(k)fluoranthene	J	High MS/MSD recovery.
E11STMGP-B5-1719	SW8270	Benzo(a)pyrene	J	High MS/MSD recovery.
E11STMGP-B5-1719	SW6010	Selenium	J	CRDL recovery > 120%.
E11STMGP-B5-35	SW8260	Carbon disulfide	J	Initial calibration %RSD >15%.
E11STMGP-B5-35	SW8270	Naphthalene	J	High MS/MSD recovery.
E11STMGP-B5-35	SW8270	2-Methylnaphthalene	J	High MS/MSD recovery.
E11STMGP-B5-35	SW8270	Acenaphthylene	J	High MS/MSD recovery.
E11STMGP-B5-35	SW8270	Acenaphthene	J	High MS/MSD recovery.
E11STMGP-B5-35	SW8270	Fluorene	J	High MS/MSD recovery.
E11STMGP-B5-35	SW8270	Anthracene	J	High MS/MSD recovery.
E11STMGP-B5-35	SW8270	Di-n-butylphthalate	J	High MS/MSD recovery.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B5-35	SW8270	Fluoranthene	J	High MS/MSD recovery.
E11STMGP-B5-35	SW8270	Benzo(a)anthracene	J	High MS/MSD recovery.
E11STMGP-B5-35	SW8270	Benzo(b)fluoranthene	J	High MS/MSD recovery.
E11STMGP-B5-35	SW8270	Benzo(k)fluoranthene	J	High MS/MSD recovery.
E11STMGP-B5-35	SW8270	Benzo(a)pyrene	J	High MS/MSD recovery.
E11STMGP-B5-35	SW8270	Dibenz(a,h)anthracene	J	Continuing calibration %D > 20%.
E11STMGP-B5-35	SW8270	Benzo(g,h,i)perylene	J	Continuing calibration %D > 20%.
E11STMGP-B5-35	SW6010	Selenium	J	CRDL recovery > 120%.
E11STMGP-B5-79	SW8260	Acetone	J	Initial calibration %RSD >15%.
E11STMGP-B5-79	SW8260	Methylcyclohexane	J	Initial calibration %RSD >15%.
E11STMGP-B5-79	SW8270	Naphthalene	J	High MS/MSD recovery.
E11STMGP-B5-79	SW8270	2-Methylnaphthalene	J	High MS/MSD recovery.
E11STMGP-B5-79	SW8270	Acenaphthylene	J	High MS/MSD recovery.
E11STMGP-B5-79	SW8270	Acenaphthene	J	High MS/MSD recovery.
E11STMGP-B5-79	SW8270	Dibenzofuran	J	High MS/MSD recovery.
E11STMGP-B5-79	SW8270	Fluorene	J	High MS/MSD recovery.
E11STMGP-B5-79	SW8270	Anthracene	J	High MS/MSD recovery.
E11STMGP-B5-79	SW8270	Fluoranthene	J	High MS/MSD recovery.
E11STMGP-B5-79	SW8270	Benzo(a)anthracene	J	High MS/MSD recovery.
E11STMGP-B5-79	SW8270	Benzo(b)fluoranthene	J	Low internal standard recovery. High MS/MSD recovery.
E11STMGP-B5-79	SW8270	Benzo(k)fluoranthene	J	Low internal standard recovery. High MS/MSD recovery.
E11STMGP-B5-79	SW8270	Benzo(a)pyrene	J	Low internal standard recovery. High MS/MSD recovery.
E11STMGP-B5-79	SW8270	Dibenz(a,h)anthracene	UJ	Low internal standard recovery.
E11STMGP-B5-79	SW8270	Benzo(g,h,i)perylene	J	Low internal standard recovery.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B5-79	SW6010	Selenium	J	CRDL recovery > 120%.
E11STMGP-B5-79DL	SW8270	Naphthalene	J	High MS/MSD recovery.
E11STMGP-B5-79DL	SW8270	2-Methylnaphthalene	J	High MS/MSD recovery.
E11STMGP-B5-79DL	SW8270	2,4-Dinitrophenol	R	Continuing calibration %D > 90%.
E11STMGP-B6-34	SW8260	Acetone	J	Initial calibration %RSD >15%.
E11STMGP-B6-34	SW8260	Carbon disulfide	J	Initial calibration %RSD >15%.
E11STMGP-B6-34	SW6010	Cadmium	UJ	CRDL recovery < 80%.
E11STMGP-B6-34	SW6010	Lead	J	CRDL recovery > 120%.
E11STMGP-B07-1517	SW8260	All non-detected volatile organic analytes	UJ	Low surrogate recoveries
E11STMGP-B07-1517	SW8260	Isopropylbenzene	UJ	Low internal standard recovery.
E11STMGP-B07-1517	SW8260	1,1,2,2-Tetrachloroethane	UJ	Low internal standard recovery.
E11STMGP-B07-1517	SW8260	1,3-Dichlorobenzene	UJ	Low internal standard recovery.
E11STMGP-B07-1517	SW8260	1,4-Dichlorobenzene	UJ	Low internal standard recovery.
E11STMGP-B07-1517	SW8260	1,2-Dichlorobenzene	UJ	Low internal standard recovery.
E11STMGP-B07-1517	SW8260	1,2-Dibromo-3-chloropropane	UJ	Low internal standard recovery.
E11STMGP-B07-1517	SW8260	1,2,4-Trichlorobenzene	UJ	Low internal standard recovery.
E11STMGP-B07-1517	SW8270	Benzo(k)fluoranthene	J	Continuing calibration %D > 20%.
E11STMGP-B07-1517	SW6010	Cadmium	J	CRDL recovery > 120%.
E11STMGP-B07-1517	SW6010	Chromium	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B07-1517	SW6010	Lead	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B07-1517	SW7471	Mercury	J	CRDL recovery > 120%.
E11STMGP-B07-57	SW8270	Benzo(k)fluoranthene	J	Continuing calibration %D > 20%.
E11STMGP-B07-57	SW6010	Cadmium	J	CRDL recovery > 120%.
E11STMGP-B07-57	SW6010	Chromium	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B07-57	SW6010	Lead	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B07-57	SW7471	Mercury	J	CRDL recovery > 120%.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B08-1214	SW8260	Cyclohexane	J	Continuing calibration %D > 20%.
E11STMGP-B08-1214	SW8260	Methylcyclohexane	J	Continuing calibration %D > 20%.
E11STMGP-B08-1214	SW8270	2-Chlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214	SW8270	2-Methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214	SW8270	3-/4-Methylphenols	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214	SW8270	Nitrobenzene	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214	SW8270	2-Nitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214	SW8270	2,4-Dimethylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214	SW8270	bis(2-Chloroethoxy)methane	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214	SW8270	2,4-Dichlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214	SW8270	4-Chloroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214	SW8270	4-Chloro-3-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214	SW8270	2-Methylnaphthalene	J	High MS/MSD recoveries.
E11STMGP-B08-1214	SW8270	Hexachlorocyclopentadiene	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214	SW8270	2,4,6-Trichlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214	SW8270	2,4,5-Trichlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214	SW8270	2-Chloronaphthalene	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214	SW8270	2-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214	SW8270	Dimethylphthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214	SW8270	Acenaphthylene	J	High MS/MSD recoveries.
E11STMGP-B08-1214	SW8270	2,6-Dinitrotoluene	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214	SW8270	3-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214	SW8270	Acenaphthene	J	High MS/MSD recoveries.
E11STMGP-B08-1214	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214	SW8270	2,4-Dinitrotoluene	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214	SW8270	4-Chlorophenyl-phenyl ether	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214	SW8270	Fluorene	J	High MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B08-1214	SW8270	4-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214	SW8270	N-Nitrosodiphenylamine	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214	SW8270	4-Bromophenyl-phenyl ether	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214	SW8270	Hexachlorobenzene	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214	SW8270	Pentachlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214	SW8270	Carbazole	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214	SW8270	Di-n-butyl phthalate	J	High MS/MSD recoveries.
E11STMGP-B08-1214	SW8270	3,3'-Dichlorobenzidine	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214	SW8270	Indeno(1,2,3-cd)pyrene	J	Low MS/MSD recoveries.
E11STMGP-B08-1214	SW8270	Dibenz(a,h)anthracene	J	Low MS/MSD recoveries.
E11STMGP-B08-1214	SW6010	Arsenic	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B08-1214	SW6010	Barium	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B08-1214	SW6010	Lead	J	Serial dilution recovery in SDG is > 10%. CRDL standard > 120%. Low MS/MSD recovery. High PDS recovery.
E11STMGP-B08-1214	SW7471	Mercury	J	CRDL Standard >120%. Low MS/MSD recovery.
E11STMGP-B08-1214DL	SW8270	2-Chlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214DL	SW8270	2-Methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214DL	SW8270	3-/4-Methylphenols	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214DL	SW8270	Nitrobenzene	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214DL	SW8270	2-Nitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214DL	SW8270	2,4-Dimethylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214DL	SW8270	bis(2-Chloroethoxy)methane	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214DL	SW8270	2,4-Dichlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214DL	SW8270	4-Chloroaniline	UJ	Low MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B08-1214DL	SW8270	4-Chloro-3-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214DL	SW8270	Hexachlorocyclopentadiene	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214DL	SW8270	2,4,6-Trichlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214DL	SW8270	2,4,5-Trichlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214DL	SW8270	2-Chloronaphthalene	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214DL	SW8270	2-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214DL	SW8270	Dimethylphthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214DL	SW8270	Acenaphthylene	J	High MS/MSD recoveries.
E11STMGP-B08-1214DL	SW8270	2,6-Dinitrotoluene	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214DL	SW8270	3-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214DL	SW8270	Acenaphthene	J	High MS/MSD recoveries.
E11STMGP-B08-1214DL	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214DL	SW8270	2,4-Dinitrotoluene	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214DL	SW8270	4-Chlorophenyl-phenyl ether	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214DL	SW8270	4-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214DL	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214DL	SW8270	N-Nitrosodiphenylamine	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214DL	SW8270	4-Bromophenyl-phenyl ether	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214DL	SW8270	Hexachlorobenzene	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214DL	SW8270	Pentachlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214DL	SW8270	Carbazole	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214DL	SW8270	3,3'-Dichlorobenzidine	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214DL	SW8270	Indeno(1,2,3-cd)pyrene	J	Low MS/MSD recoveries.
E11STMGP-B08-1214DL	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-B08-1214DL	SW8270	Benzo(k)fluoranthene	J	Continuing calibration %D > 20%.
E11STMGP-B08-57	SW8270	2-Chlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B08-57	SW8270	2-Methylphenol	UJ	Low MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B08-57	SW8270	3-/4-Methylphenols	UJ	Low MS/MSD recoveries.
E11STMGP-B08-57	SW8270	Nitrobenzene	UJ	Low MS/MSD recoveries.
E11STMGP-B08-57	SW8270	2-Nitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B08-57	SW8270	2,4-Dimethylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B08-57	SW8270	bis(2-Chloroethoxy)methane	UJ	Low MS/MSD recoveries.
E11STMGP-B08-57	SW8270	2,4-Dichlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B08-57	SW8270	Naphthalene	J	High MS/MSD recoveries.
E11STMGP-B08-57	SW8270	4-Chloroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-B08-57	SW8270	4-Chloro-3-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B08-57	SW8270	2-Methylnaphthalene	J	High MS/MSD recoveries.
E11STMGP-B08-57	SW8270	Hexachlorocyclopentadiene	UJ	Low MS/MSD recoveries.
E11STMGP-B08-57	SW8270	2,4,6-Trichlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B08-57	SW8270	2,4,5-Trichlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B08-57	SW8270	2-Chloronaphthalene	UJ	Low MS/MSD recoveries.
E11STMGP-B08-57	SW8270	2-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-B08-57	SW8270	Dimethylphthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B08-57	SW8270	Acenaphthylene	J	High MS/MSD recoveries.
E11STMGP-B08-57	SW8270	2,6-Dinitrotoluene	UJ	Low MS/MSD recoveries.
E11STMGP-B08-57	SW8270	3-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-B08-57	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B08-57	SW8270	2,4-Dinitrotoluene	UJ	Low MS/MSD recoveries.
E11STMGP-B08-57	SW8270	4-Chlorophenyl-phenyl ether	UJ	Low MS/MSD recoveries.
E11STMGP-B08-57	SW8270	Fluorene	J	High MS/MSD recoveries.
E11STMGP-B08-57	SW8270	4-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-B08-57	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B08-57	SW8270	N-Nitrosodiphenylamine	UJ	Low MS/MSD recoveries.
E11STMGP-B08-57	SW8270	4-Bromophenyl-phenyl ether	UJ	Low MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B08-57	SW8270	Hexachlorobenzene	UJ	Low MS/MSD recoveries.
E11STMGP-B08-57	SW8270	Pentachlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B08-57	SW8270	Carbazole	UJ	Low MS/MSD recoveries.
E11STMGP-B08-57	SW8270	Di-n-butyl phthalate	J	High MS/MSD recoveries.
E11STMGP-B08-57	SW8270	3,3'-Dichlorobenzidine	UJ	Low MS/MSD recoveries.
E11STMGP-B08-57	SW8270	bis(2-Ethylhexyl)phthalate	J	High MS/MSD recoveries.
E11STMGP-B08-57	SW8270	Indeno(1,2,3-cd)pyrene	J	Low MS/MSD recoveries.
E11STMGP-B08-57	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-B08-57	SW6010	Arsenic	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B08-57	SW6010	Barium	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B08-57	SW6010	Lead	J	Serial dilution recovery in SDG is > 10%. CRDL standard > 120%. Low MS/MSD recovery. High PDS recovery.
E11STMGP-B08-57	SW7471	Mercury	J	CRDL Standard >120%. Low MS/MSD recovery.
E11STMGP-B10-911	SW8270	Acenaphthene	J	High MS/MSD recoveries.
E11STMGP-B10-911	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B10-911	SW8270	Fluorene	J	High MS/MSD recoveries.
E11STMGP-B10-911	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B10-911	SW8270	Phenanthrene	J	High MS/MSD recoveries.
E11STMGP-B10-911	SW8270	Anthracene	J	High MS/MSD recoveries.
E11STMGP-B10-911	SW8270	Di-n-butyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B10-911	SW8270	Fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B10-911	SW8270	Pyrene	J	High MS/MSD recoveries.
E11STMGP-B10-911	SW8270	3,3'-Dichlorobenzidine	UJ	Low MS/MSD recoveries.
E11STMGP-B10-911	SW8270	Benzo(a)anthracene	J	High MS/MSD recoveries.
E11STMGP-B10-911	SW8270	Chrysene	J	High MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B10-911	SW8270	Di-n-octyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B10-911	SW8270	Benzo(b)fluoranthene	J	High MS/MSD recoveries.
E11STMGP-B10-911	SW8270	Benzo(k)fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B10-911	SW8270	Benzo(a)pyrene	J	High MS/MSD recoveries.
E11STMGP-B10-911	SW8270	Indeno(1,2,3-cd)pyrene	J	Low MS/MSD recoveries.
E11STMGP-B10-911	SW8270	Dibenz(a,h)anthracene	J	Low MS/MSD recoveries.
E11STMGP-B10-911	SW8270	Benzo(g,h,i)perylene	J	Low MS/MSD recoveries.
E11STMGP-B10-911	SW6010	Arsenic	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B10-911	SW6010	Cadmium	J	CRDL recovery > 120%.
E11STMGP-B10-911	SW6010	Chromium	J	CRDL recovery > 120%.
E11STMGP-B10-911	SW6010	Silver	J	CRDL recovery < 80%.
E11STMGP-B10-911DL	SW8270	Acenaphthene	J	High MS/MSD recoveries.
E11STMGP-B10-911DL	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B10-911DL	SW8270	Fluorene	J	High MS/MSD recoveries.
E11STMGP-B10-911DL	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B10-911DL	SW8270	Phenanthrene	J	High MS/MSD recoveries.
E11STMGP-B10-911DL	SW8270	Anthracene	J	High MS/MSD recoveries.
E11STMGP-B10-911DL	SW8270	Di-n-butyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B10-911DL	SW8270	Fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B10-911DL	SW8270	Pyrene	J	High MS/MSD recoveries.
E11STMGP-B10-911DL	SW8270	3,3'-Dichlorobenzidine	UJ	Low MS/MSD recoveries.
E11STMGP-B10-911DL	SW8270	Benzo(a)anthracene	J	High MS/MSD recoveries.
E11STMGP-B10-911DL	SW8270	Chrysene	J	High MS/MSD recoveries.
E11STMGP-B10-911DL	SW8270	Di-n-octyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B10-911DL	SW8270	Benzo(b)fluoranthene	J	High MS/MSD recoveries.
E11STMGP-B10-911DL	SW8270	Benzo(k)fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B10-911DL	SW8270	Benzo(a)pyrene	J	High MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B10-911DL	SW8270	Indeno(1,2,3-cd)pyrene	J	Low MS/MSD recoveries.
E11STMGP-B10-911DL	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-B10-911DL	SW8270	Benzo(g,h,i)perylene	J	Low MS/MSD recoveries.
E11STMGP-B10-911DL2	SW8270	Acenaphthene	J	High MS/MSD recoveries.
E11STMGP-B10-911DL2	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B10-911DL2	SW8270	Fluorene	J	High MS/MSD recoveries.
E11STMGP-B10-911DL2	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B10-911DL2	SW8270	Phenanthrene	J	High MS/MSD recoveries.
E11STMGP-B10-911DL2	SW8270	Anthracene	J	High MS/MSD recoveries.
E11STMGP-B10-911DL2	SW8270	Di-n-butyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B10-911DL2	SW8270	Fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B10-911DL2	SW8270	Pyrene	J	High MS/MSD recoveries.
E11STMGP-B10-911DL2	SW8270	3,3'-Dichlorobenzidine	UJ	Low MS/MSD recoveries.
E11STMGP-B10-911DL2	SW8270	Benzo(a)anthracene	J	High MS/MSD recoveries.
E11STMGP-B10-911DL2	SW8270	Chrysene	J	High MS/MSD recoveries.
E11STMGP-B10-911DL2	SW8270	Di-n-octyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B10-911DL2	SW8270	Benzo(b)fluoranthene	J	High MS/MSD recoveries.
E11STMGP-B10-911DL2	SW8270	Benzo(k)fluoranthene	UJ	Low MS/MSD recoveries.
E11STMGP-B10-911DL2	SW8270	Benzo(a)pyrene	J	High MS/MSD recoveries.
E11STMGP-B10-911DL2	SW8270	Indeno(1,2,3-cd)pyrene	UJ	Low MS/MSD recoveries.
E11STMGP-B10-911DL2	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-B10-911DL2	SW8270	Benzo(g,h,i)perylene	UJ	Low MS/MSD recoveries.
E11STMGP-B10-911DL3	SW8270	Acenaphthene	J	High MS/MSD recoveries.
E11STMGP-B10-911DL3	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B10-911DL3	SW8270	Fluorene	J	High MS/MSD recoveries.
E11STMGP-B10-911DL3	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B10-911DL3	SW8270	Phenanthrene	J	High MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B10-911DL3	SW8270	Anthracene	J	High MS/MSD recoveries.
E11STMGP-B10-911DL3	SW8270	Di-n-butyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B10-911DL3	SW8270	Fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B10-911DL3	SW8270	Pyrene	J	High MS/MSD recoveries.
E11STMGP-B10-911DL3	SW8270	3,3'-Dichlorobenzidine	UJ	Low MS/MSD recoveries.
E11STMGP-B10-911DL3	SW8270	Benzo(a)anthracene	J	High MS/MSD recoveries.
E11STMGP-B10-911DL3	SW8270	Chrysene	J	High MS/MSD recoveries.
E11STMGP-B10-911DL3	SW8270	Di-n-octyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B10-911DL3	SW8270	Benzo(k)fluoranthene	UJ	Low MS/MSD recoveries.
E11STMGP-B10-911DL3	SW8270	Benzo(a)pyrene	J	High MS/MSD recoveries.
E11STMGP-B10-911DL3	SW8270	Indeno(1,2,3-cd)pyrene	UJ	Low MS/MSD recoveries.
E11STMGP-B10-911DL3	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-B10-911DL3	SW8270	Benzo(g,h,i)perylene	UJ	Low MS/MSD recoveries.
E11STMGP-B10-45	SW8260	Acetone	J	Initial calibration %RSD >15%. High surrogate recovery.
E11STMGP-B10-45	SW8260	Carbon disulfide	J	Continuing calibration %D > 20%. High surrogate recovery.
E11STMGP-B10-45	SW8260	Methylene chloride	UJ	Detected in associated method blank. High surrogate recovery.
E11STMGP-B10-45	SW8260	Benzene	J	High surrogate recovery.
E11STMGP-B10-45	SW8260	Toluene	J	High surrogate recovery.
E11STMGP-B10-45	SW8260	Tetrachloroethene	J	Continuing calibration %D > 20%. High surrogate recovery. Low internal standard recovery.
E11STMGP-B10-45	SW8260	Ethylbenzene	J	High surrogate recovery. Low internal standard recovery.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B10-45	SW8260	m-/p-Xylenes	J	High surrogate recovery. Low internal standard recovery.
E11STMGP-B10-45	SW8260	o-Xylene	J	High surrogate recovery. Low internal standard recovery.
E11STMGP-B10-45	SW8260	Styrene	J	High surrogate recovery. Low internal standard recovery.
E11STMGP-B10-45	SW8260	Isopropyl benzene	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B10-45	SW8260	1,1,2,2-Tetrachloroethane	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B10-45	SW8260	1,3-Dichlorobenzene	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B10-45	SW8260	1,4-Dichlorobenzene	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B10-45	SW8260	1,2-Dichlorobenzene	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B10-45	SW8260	1,2-Dibromo-3-chloropropane	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B10-45	SW8260	1,2,4-Trichlorobenzene	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B10-45	SW8270	2-Methylnaphthalene	J	Continuing calibration %D > 20%.
E11STMGP-B10-45	SW8270	4-Nitrophenol	J	Initial calibration %RSD > 15%. High LCS recovery.
E11STMGP-B10-45	SW8270	Pyrene	J	High internal standard recovery.
E11STMGP-B10-45	SW8270	Benzo(a)anthracene	J	High internal standard recovery.
E11STMGP-B10-45	SW8270	Chrysene	J	High internal standard recovery.
E11STMGP-B10-45DL	SW8260	Acetone	J	Initial calibration %RSD >15%.
E11STMGP-B10-45DL	SW8260	Carbon disulfide	J	Continuing calibration %D > 20%.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B10-45DL	SW8260	Methylene chloride	U	Detected in associated method blank
E11STMGP-B10-45DL	SW8260	Isopropyl benzene	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B10-45DL	SW8260	1,1,2,2-Tetrachloroethane	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B10-45DL	SW8260	1,3-Dichlorobenzene	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B10-45DL	SW8260	1,4-Dichlorobenzene	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B10-45DL	SW8260	1,2-Dichlorobenzene	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B10-45DL	SW8260	1,2-Dibromo-3-chloropropane	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B10-45DL	SW8260	1,2,4-Trichlorobenzene	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B10-45RE	SW8270	2-Methylnaphthalene	J	Continuing calibration %D > 20%.
E11STMGP-B10-45RE	SW8270	4-Nitrophenol	J	Initial calibration %RSD > 15%. High LCS recovery.
E11STMGP-B10-45RE	SW8270	Pyrene	J	High internal standard recovery.
E11STMGP-B10-45RE	SW8270	Benzo(a)anthracene	J	High internal standard recovery.
E11STMGP-B10-45RE	SW8270	Chrysene	J	High internal standard recovery.
E11STMGP-B11-810	SW8260	1,2-Dibromo-3-chloropropane	R	Initial calibration RRF < 0.050 and continuing calibration RRF < 0.050. Low MS/MSD recoveries.
E11STMGP-B11-810	SW8260	Acetone	UJ	Detected in associated trip blank. Low MS/MSD recoveries.
E11STMGP-B11-810	SW8260	All non-detected volatile organic analytes	UJ	Low MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B11-810	SW8260	Benzene	J	Low MS/MSD recoveries.
E11STMGP-B11-810	SW8260	Toluene	J	Low MS/MSD recoveries.
E11STMGP-B11-810	SW8260	Ethylbenzene	J	Low MS/MSD recoveries.
E11STMGP-B11-810	SW8260	o-Xylene	J	Low MS/MSD recoveries.
E11STMGP-B11-810	SW8260	Isopropylbenzene	J	Low MS/MSD recoveries.
E11STMGP-B11-810	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B11-810	SW8270	4-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-B11-810	SW8270	Carbazole	UJ	Low MS/MSD recoveries.
E11STMGP-B11-810	SW8270	Benzo(g,h,i)perylene	J	Continuing calibration %D > 20%. Low MS/MSD recoveries.
E11STMGP-B11-810	SW6010	Lead	J	CRDL recovery < 80%. Low MS/MSD recoveries.
E11STMGP-B11-810	SW7471	Mercury	J	CRDL recovery > 120%.
E11STMGP-B11-810	SW6010	Silver	UJ	Low MS/MSD recoveries.
E11STMGP-B11-810DL	SW8270	Benzaldehyde	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B11-810DL	SW8270	Phenol	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B11-810DL	SW8270	bis(2-Chloroethyl)ether	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B11-810DL	SW8270	2-Chlorophenol	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B11-810DL	SW8270	2-Methylphenol	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B11-810DL	SW8270	2,2-oxybis(1-Chloropropane)	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B11-810DL	SW8270	Acetophenone	UJ	Low internal standard recovery.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B11-810DL	SW8270	3-/4-Methylphenol	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B11-810DL	SW8270	N-Nitroso-di-n-propylamine	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B11-810DL	SW8270	Hexachloroethane	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B11-810DL	SW8270	Nitrobenzene	UJ	Low internal standard recovery.
E11STMGP-B11-810DL	SW8270	Isophorone	UJ	Low internal standard recovery.
E11STMGP-B11-810DL	SW8270	2-Nitrophenol	UJ	Low internal standard recovery.
E11STMGP-B11-810DL	SW8270	2,4-Dimethylphenol	UJ	Low internal standard recovery.
E11STMGP-B11-810DL	SW8270	bis(2-Chloroethoxy)methane	UJ	Low internal standard recovery.
E11STMGP-B11-810DL	SW8270	2,4-Dichlorophenol	UJ	Low internal standard recovery.
E11STMGP-B11-810DL	SW8270	Naphthalene	J	Low internal standard recovery.
E11STMGP-B11-810DL	SW8270	4-Chloroaniline	UJ	Low internal standard recovery.
E11STMGP-B11-810DL	SW8270	Hexachlorobutadiene	UJ	Low internal standard recovery.
E11STMGP-B11-810DL	SW8270	Caprolactam	UJ	Low internal standard recovery.
E11STMGP-B11-810DL	SW8270	4-Chloro-3-methylphenol	UJ	Low internal standard recovery.
E11STMGP-B11-810DL	SW8270	2-Methylnaphthalene	J	Low internal standard recovery.
E11STMGP-B11-810DL	SW8270	Hexachlorocyclopentadiene	UJ	Low internal standard recovery.
E11STMGP-B11-810DL	SW8270	2,4,6-Trichlorophenol	UJ	Low internal standard recovery.
E11STMGP-B11-810DL	SW8270	2,4,5-Trichlorophenol	UJ	Low internal standard recovery.
E11STMGP-B11-810DL	SW8270	1,1-Biphenyl	UJ	Low internal standard recovery.
E11STMGP-B11-810DL	SW8270	2-Chloronaphthalene	UJ	Low internal standard recovery.
E11STMGP-B11-810DL	SW8270	2-Nitroaniline	UJ	Low internal standard recovery.
E11STMGP-B11-810DL	SW8270	Dimethylphthalate	UJ	Low internal standard recovery.
E11STMGP-B11-810DL	SW8270	Acenaphthylene	J	Low internal standard recovery.
E11STMGP-B11-810DL	SW8270	2,6-Dinitrotoluene	UJ	Low internal standard recovery.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B11-810DL	SW8270	3-Nitroaniline	UJ	Low internal standard recovery.
E11STMGP-B11-810DL	SW8270	Acenaphthene	J	Low internal standard recovery.
E11STMGP-B11-810DL	SW8270	2,4-Dinitrophenol	UJ	Low internal standard recovery. Low MS/MSD recoveries.
E11STMGP-B11-810DL	SW8270	4-Nitrophenol	UJ	Low internal standard recovery.
E11STMGP-B11-810DL	SW8270	Dibenzofuran	UJ	Low internal standard recovery.
E11STMGP-B11-810DL	SW8270	2,4-Dinitrotoluene	UJ	Low internal standard recovery.
E11STMGP-B11-810DL	SW8270	Diethylphthalate	UJ	Low internal standard recovery.
E11STMGP-B11-810DL	SW8270	4-Chlorophenyl phenyl ether	UJ	Low internal standard recovery.
E11STMGP-B11-810DL	SW8270	Fluorene	J	Low internal standard recovery.
E11STMGP-B11-810DL	SW8270	4-Nitroaniline	UJ	Low internal standard recovery. Low MS/MSD recoveries.
E11STMGP-B11-810DL	SW8270	Carbazole	UJ	Low MS/MSD recoveries.
E11STMGP-B11-810DL	SW8270	Benzo(g,h,i)perylene	UJ	Low MS/MSD recoveries.
E11STMGP-B11-1820	SW8260	Cyclohexane	J	Initial calibration %RSD >15%. Low MS/MSD recoveries.
E11STMGP-B11-1820	SW8260	Toluene	J	Initial calibration %RSD >15%. Low MS/MSD recoveries.
E11STMGP-B11-1820	SW8260	All non-detected volatile organic analytes	UJ	Low MS/MSD recoveries.
E11STMGP-B11-1820	SW8260	Benzene	J	Low MS/MSD recoveries.
E11STMGP-B11-1820	SW8260	Ethylbenzene	J	Low MS/MSD recoveries.
E11STMGP-B11-1820	SW8260	m-/p-xylenes	J	Low MS/MSD recoveries.
E11STMGP-B11-1820	SW8260	o-Xylene	J	Low MS/MSD recoveries.
E11STMGP-B11-1820	SW8260	Isopropylbenzene	J	Low MS/MSD recoveries.
E11STMGP-B11-1820	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B11-1820	SW8270	4-Nitroaniline	UJ	Low MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B11-1820	SW8270	Carbazole	J	Low MS/MSD recoveries.
E11STMGP-B11-1820	SW8270	Dibenz(a,h)anthracene	J	Continuing calibration %D > 20%.
E11STMGP-B11-1820	SW8270	Benzo(g,h,i)perylene	J	Continuing calibration %D > 20%. Low MS/MSD recoveries.
E11STMGP-B11-1820	SW6010	Lead	J	CRDL recovery < 80%. Low MS/MSD recoveries.
E11STMGP-B11-1820	SW7471	Mercury	J	CRDL recovery > 120%.
E11STMGP-B11-1820	SW6010	Silver	UJ	Low MS/MSD recoveries.
E11STMGP-B11-1820DL	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B11-1820DL	SW8270	4-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-B11-1820DL	SW8270	Carbazole	J	Low MS/MSD recoveries.
E11STMGP-B11-1820DL	SW8270	Benzo(g,h,i)perylene	UJ	Low MS/MSD recoveries.
E11STMGP-B11-23	SW8260	Cyclohexane	J	Low surrogate recoveries
E11STMGP-B11-23	SW8260	All non-detected volatile organic analytes	UJ	Low surrogate recoveries
E11STMGP-B11-23	SW8270	Benzo(k)fluoranthene	J	Continuing calibration %D > 20%.
E11STMGP-B11-23	SW6010	Lead	J	CRDL recovery > 120%.
E11STMGP-B11-23RE	SW8260	Cyclohexane	J	Low surrogate recoveries
E11STMGP-B11-23RE	SW8260	All non-detected volatile organic analytes	UJ	Low surrogate recoveries
E11STMGP-B11-2628	SW8260	Acetone	U	Detected in associated trip blank. Low MS/MSD recoveries.
E11STMGP-B11-2628	SW8260	Methylene chloride	J	Initial calibration %RSD >15% and continuing calibration %D >20. Low MS/MSD recoveries.
E11STMGP-B11-2628	SW8260	1,2-Dibromo-3-chloropropane	R	Initial calibration RRF < 0.050 and continuing calibration RRF < 0.050.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B11-2628	SW8260	All non-detected volatile organic analytes	UJ	Low MS/MSD recoveries.
E11STMGP-B11-2628	SW8260	Benzene	J	Low MS/MSD recoveries.
E11STMGP-B11-2628	SW8260	Toluene	J	Low MS/MSD recoveries.
E11STMGP-B11-2628	SW8260	Ethylbenzene	J	Low MS/MSD recoveries.
E11STMGP-B11-2628	SW8260	m-/p-xylenes	J	Low MS/MSD recoveries.
E11STMGP-B11-2628	SW8260	o-Xylene	J	Low MS/MSD recoveries.
E11STMGP-B11-2628	SW8260	Isopropylbenzene	J	Low MS/MSD recoveries.
E11STMGP-B11-2628	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B11-2628	SW8270	4-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-B11-2628	SW8270	Carbazole	J	Low MS/MSD recoveries.
E11STMGP-B11-2628	SW8270	Benzo(g,h,i)perylene	J	Low MS/MSD recoveries.
E11STMGP-B11-2628	SW6010	Lead	J	CRDL recovery < 80%. Low MS/MSD recoveries.
E11STMGP-B11-2628	SW7471	Mercury	J	CRDL recovery > 120%.
E11STMGP-B11-2628	SW6010	Silver	UJ	Low MS/MSD recoveries.
E11STMGP-B12-2123	SW8270	Naphthalene	J	High MS/MSD recovery.
E11STMGP-B12-2123	SW8270	2-Methylnaphthalene	J	High MS/MSD recovery.
E11STMGP-B12-2123	SW8270	Acenaphthylene	J	High MS/MSD recovery.
E11STMGP-B12-2123	SW8270	Acenaphthene	J	High MS/MSD recovery.
E11STMGP-B12-2123	SW8270	Fluorene	J	High MS/MSD recovery.
E11STMGP-B12-2123	SW8270	Anthracene	J	High MS/MSD recovery.
E11STMGP-B12-2123	SW8270	Carbazole	J	High MS/MSD recovery.
E11STMGP-B12-2123	SW8270	Fluoranthene	J	High MS/MSD recovery.
E11STMGP-B12-2123	SW8270	Benzo(a)anthracene	J	High MS/MSD recovery.
E11STMGP-B12-2123	SW8270	Benzo(b)fluoranthene	J	High MS/MSD recovery.
E11STMGP-B12-2123	SW8270	Benzo(k)fluoranthene	J	High MS/MSD recovery.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B12-2123	SW8270	Benzo(a)pyrene	J	High MS/MSD recovery.
E11STMGP-B12-2123	SW8270	2,4-Dinitrophenol	R	Continuing calibration %D > 90%
E11STMGP-B12-2123	SW8270	Dibenzofuran	J	Continuing calibration %D > 20%. High MS/MSD recovery.
E11STMGP-B12-2123	SW8270	Dibenz(a,h)anthracene	J	Continuing calibration %D > 20%
E11STMGP-B12-2123	SW8270	Benzo(g,h,i)perylene	J	Continuing calibration %D > 20%
E11STMGP-B12-2123	SW6010	Selenium	J	CRDL recovery > 120%.
E11STMGP-B12-2123DL	SW8270	Naphthalene	J	High MS/MSD recovery.
E11STMGP-B12-2123DL	SW8270	2-Methylnaphthalene	J	High MS/MSD recovery.
E11STMGP-B12-2123DL	SW8270	Acenaphthylene	J	High MS/MSD recovery.
E11STMGP-B12-2123DL	SW8270	Acenaphthene	J	High MS/MSD recovery.
E11STMGP-B12-2123DL	SW8270	Dibenzofuran	J	High MS/MSD recovery.
E11STMGP-B12-2123DL	SW8270	Fluorene	J	High MS/MSD recovery.
E11STMGP-B12-2123DL	SW8270	Anthracene	J	High MS/MSD recovery.
E11STMGP-B12-2123DL	SW8270	Fluoranthene	J	High MS/MSD recovery.
E11STMGP-B12-2123DL	SW8270	Benzo(a)anthracene	J	High MS/MSD recovery.
E11STMGP-B12-2123DL	SW8270	Benzo(b)fluoranthene	J	High MS/MSD recovery.
E11STMGP-B12-2123DL	SW8270	Benzo(a)pyrene	J	High MS/MSD recovery.
E11STMGP-B12-2123DL2	SW8270	Naphthalene	J	High MS/MSD recovery.
E11STMGP-B12-2123DL2	SW8270	2-Methylnaphthalene	J	High MS/MSD recovery.
E11STMGP-B12-2123DL2	SW8270	Acenaphthylene	J	High MS/MSD recovery.
E11STMGP-B12-2123DL2	SW8270	Acenaphthene	J	High MS/MSD recovery.
E11STMGP-B12-2123DL2	SW8270	Dibenzofuran	J	High MS/MSD recovery.
E11STMGP-B12-2123DL2	SW8270	Fluorene	J	High MS/MSD recovery.
E11STMGP-B12-2123DL2	SW8270	Anthracene	J	High MS/MSD recovery.
E11STMGP-B12-2123DL2	SW8270	Carbazole	J	High MS/MSD recovery.
E11STMGP-B12-2123DL2	SW8270	Fluoranthene	J	High MS/MSD recovery.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B12-2123DL2	SW8270	Benzo(a)anthracene	J	High MS/MSD recovery.
E11STMGP-B12-2123DL2	SW8270	Benzo(b)fluoranthene	J	High MS/MSD recovery.
E11STMGP-B12-2123DL2	SW8270	Benzo(k)fluoranthene	J	High MS/MSD recovery.
E11STMGP-B12-2123DL2	SW8270	Benzo(a)pyrene	J	High MS/MSD recovery.
E11STMGP-B12-34	SW8270	Benzo(k)fluoranthene	J	Continuing calibration %D > 20%.
E11STMGP-B12-34	SW6010	Lead	J	CRDL recovery > 120%.
E11STMGP-B12-79	SW8270	Acenaphthene	J	High MS/MSD recoveries.
E11STMGP-B12-79	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B12-79	SW8270	Fluorene	J	High MS/MSD recoveries.
E11STMGP-B12-79	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B12-79	SW8270	Phenanthrene	J	High MS/MSD recoveries.
E11STMGP-B12-79	SW8270	Anthracene	J	High MS/MSD recoveries.
E11STMGP-B12-79	SW8270	Di-n-butyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B12-79	SW8270	Fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B12-79	SW8270	Pyrene	J	High MS/MSD recoveries.
E11STMGP-B12-79	SW8270	3,3'-Dichlorobenzidine	UJ	Low MS/MSD recoveries.
E11STMGP-B12-79	SW8270	Benzo(a)anthracene	J	High MS/MSD recoveries.
E11STMGP-B12-79	SW8270	Chrysene	J	High MS/MSD recoveries.
E11STMGP-B12-79	SW8270	Di-n-octyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B12-79	SW8270	Benzo(b)fluoranthene	J	High MS/MSD recoveries.
E11STMGP-B12-79	SW8270	Benzo(k)fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B12-79	SW8270	Benzo(a)pyrene	J	High MS/MSD recoveries.
E11STMGP-B12-79	SW8270	Indeno(1,2,3-cd)pyrene	J	Low MS/MSD recoveries.
E11STMGP-B12-79	SW8270	Dibenz(a,h)anthracene	J	Low MS/MSD recoveries.
E11STMGP-B12-79	SW8270	Benzo(g,h,i)perylene	J	Low MS/MSD recoveries.
E11STMGP-B12-79	SW6010	Arsenic	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B12-79	SW6010	Cadmium	J	CRDL recovery > 120%.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B12-79	SW6010	Chromium	J	CRDL recovery > 120%.
E11STMGP-B12-79	SW6010	Silver	UJ	CRDL recovery < 80%.
E11STMGP-B12-79DL	SW8270	Acenaphthene	J	High MS/MSD recoveries.
E11STMGP-B12-79DL	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B12-79DL	SW8270	Fluorene	J	High MS/MSD recoveries.
E11STMGP-B12-79DL	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B12-79DL	SW8270	Phenanthrene	J	High MS/MSD recoveries.
E11STMGP-B12-79DL	SW8270	Anthracene	J	High MS/MSD recoveries.
E11STMGP-B12-79DL	SW8270	Di-n-butyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B12-79DL	SW8270	Fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B12-79DL	SW8270	Pyrene	J	High MS/MSD recoveries.
E11STMGP-B12-79DL	SW8270	3,3'-Dichlorobenzidine	UJ	Low MS/MSD recoveries.
E11STMGP-B12-79DL	SW8270	Benzo(a)anthracene	J	High MS/MSD recoveries.
E11STMGP-B12-79DL	SW8270	Chrysene	J	High MS/MSD recoveries.
E11STMGP-B12-79DL	SW8270	Di-n-octyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B12-79DL	SW8270	Benzo(b)fluoranthene	J	High MS/MSD recoveries.
E11STMGP-B12-79DL	SW8270	Benzo(k)fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B12-79DL	SW8270	Benzo(a)pyrene	J	High MS/MSD recoveries.
E11STMGP-B12-79DL	SW8270	Indeno(1,2,3-cd)pyrene	J	Low MS/MSD recoveries.
E11STMGP-B12-79DL	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-B12-79DL	SW8270	Benzo(g,h,i)perylene	J	Low MS/MSD recoveries.
E11STMGP-B12-79DL2	SW8270	Acenaphthene	J	High MS/MSD recoveries.
E11STMGP-B12-79DL2	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B12-79DL2	SW8270	Fluorene	J	High MS/MSD recoveries.
E11STMGP-B12-79DL2	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B12-79DL2	SW8270	Phenanthrene	J	High MS/MSD recoveries.
E11STMGP-B12-79DL2	SW8270	Anthracene	J	High MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B12-79DL2	SW8270	Di-n-butyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B12-79DL2	SW8270	Fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B12-79DL2	SW8270	Pyrene	J	High MS/MSD recoveries.
E11STMGP-B12-79DL2	SW8270	3,3'-Dichlorobenzidine	UJ	Low MS/MSD recoveries.
E11STMGP-B12-79DL2	SW8270	Benzo(a)anthracene	J	High MS/MSD recoveries.
E11STMGP-B12-79DL2	SW8270	Chrysene	J	High MS/MSD recoveries.
E11STMGP-B12-79DL2	SW8270	Di-n-octyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B12-79DL2	SW8270	Benzo(b)fluoranthene	J	High MS/MSD recoveries.
E11STMGP-B12-79DL2	SW8270	Benzo(k)fluoranthene	UJ	Low MS/MSD recoveries.
E11STMGP-B12-79DL2	SW8270	Benzo(a)pyrene	J	High MS/MSD recoveries.
E11STMGP-B12-79DL2	SW8270	Indeno(1,2,3-cd)pyrene	UJ	Low MS/MSD recoveries.
E11STMGP-B12-79DL2	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-B12-79DL2	SW8270	Benzo(g,h,i)perylene	UJ	Low MS/MSD recoveries.
E11STMGP-B13-57	SW8270	Acenaphthene	J	High MS/MSD recoveries.
E11STMGP-B13-57	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B13-57	SW8270	Fluorene	J	High MS/MSD recoveries.
E11STMGP-B13-57	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B13-57	SW8270	Phenanthrene	J	High MS/MSD recoveries.
E11STMGP-B13-57	SW8270	Anthracene	J	High MS/MSD recoveries.
E11STMGP-B13-57	SW8270	Di-n-butyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B13-57	SW8270	Fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B13-57	SW8270	Pyrene	J	High MS/MSD recoveries.
E11STMGP-B13-57	SW8270	3,3'-Dichlorobenzidine	UJ	Low MS/MSD recoveries.
E11STMGP-B13-57	SW8270	Benzo(a)anthracene	J	High MS/MSD recoveries.
E11STMGP-B13-57	SW8270	Chrysene	J	High MS/MSD recoveries.
E11STMGP-B13-57	SW8270	Di-n-octyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B13-57	SW8270	Benzo(b)fluoranthene	J	High MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B13-57	SW8270	Benzo(k)fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B13-57	SW8270	Benzo(a)pyrene	J	High MS/MSD recoveries.
E11STMGP-B13-57	SW8270	Indeno(1,2,3-cd)pyrene	UJ	Low MS/MSD recoveries.
E11STMGP-B13-57	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-B13-57	SW8270	Benzo(g,h,i)perylene	J	Low MS/MSD recoveries.
E11STMGP-B13-57	SW6010	Arsenic	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B13-57	SW6010	Cadmium	J	CRDL recovery > 120%.
E11STMGP-B13-57	SW6010	Chromium	J	CRDL recovery > 120%.
E11STMGP-B13-57	SW6010	Silver	UJ	CRDL recovery < 80%.
E11STMGP-B14-810	SW8260	Carbon disulfide	J	Initial calibration %RSD >15%.
E11STMGP-B14-810	SW8270	Acenaphthene	J	High MS/MSD recoveries.
E11STMGP-B14-810	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B14-810	SW8270	Fluorene	J	High MS/MSD recoveries.
E11STMGP-B14-810	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B14-810	SW8270	Phenanthrene	J	High MS/MSD recoveries.
E11STMGP-B14-810	SW8270	Anthracene	J	High MS/MSD recoveries.
E11STMGP-B14-810	SW8270	Di-n-butyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B14-810	SW8270	Fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B14-810	SW8270	Pyrene	J	High MS/MSD recoveries.
E11STMGP-B14-810	SW8270	3,3'-Dichlorobenzidine	UJ	Low MS/MSD recoveries.
E11STMGP-B14-810	SW8270	Benzo(a)anthracene	J	High MS/MSD recoveries.
E11STMGP-B14-810	SW8270	Chrysene	J	High MS/MSD recoveries.
E11STMGP-B14-810	SW8270	Di-n-octyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B14-810	SW8270	Benzo(b)fluoranthene	J	High MS/MSD recoveries.
E11STMGP-B14-810	SW8270	Benzo(k)fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B14-810	SW8270	Benzo(a)pyrene	J	High MS/MSD recoveries.
E11STMGP-B14-810	SW8270	Indeno(1,2,3-cd)pyrene	J	Low MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B14-810	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-B14-810	SW8270	Benzo(g,h,i)perylene	J	Low MS/MSD recoveries.
E11STMGP-B14-810	SW6010	Arsenic	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B14-810	SW6010	Cadmium	J	CRDL recovery > 120%.
E11STMGP-B14-810	SW6010	Chromium	J	CRDL recovery > 120%.
E11STMGP-B14-810	SW6010	Silver	UJ	CRDL recovery < 80%.
E11STMGP-B14-1416	SW8260	Carbon disulfide	J	Initial calibration %RSD >15% and continuing calibration %D >20.
E11STMGP-B14-1416	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B14-1416	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B14-1416	SW8270	Phenanthrene	J	High MS/MSD recoveries.
E11STMGP-B14-1416	SW8270	Di-n-butyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B14-1416	SW8270	Fluoranthene	UJ	Low MS/MSD recoveries.
E11STMGP-B14-1416	SW8270	Pyrene	J	High MS/MSD recoveries.
E11STMGP-B14-1416	SW8270	3,3'-Dichlorobenzidine	UJ	Low MS/MSD recoveries.
E11STMGP-B14-1416	SW8270	Di-n-octyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B14-1416	SW8270	Benzo(k)fluoranthene	UJ	Low MS/MSD recoveries.
E11STMGP-B14-1416	SW8270	Indeno(1,2,3-cd)pyrene	UJ	Low MS/MSD recoveries.
E11STMGP-B14-1416	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-B14-1416	SW8270	Benzo(g,h,i)perylene	UJ	Low MS/MSD recoveries.
E11STMGP-B14-1416	SW6010	Arsenic	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B14-1416	SW6010	Cadmium	J	CRDL recovery > 120%.
E11STMGP-B14-1416	SW6010	Chromium	J	CRDL recovery > 120%.
E11STMGP-B14-1416	SW6010	Silver	UJ	CRDL recovery < 80%.
E11STMGP-B15-810	SW8260	Benzene	J	Continuing calibration %D > 20%.
E11STMGP-B15-810	SW8270	Acenaphthene	J	High MS/MSD recoveries.
E11STMGP-B15-810	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B15-810	SW8270	Fluorene	J	High MS/MSD recoveries.
E11STMGP-B15-810	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B15-810	SW8270	Phenanthrene	J	High MS/MSD recoveries.
E11STMGP-B15-810	SW8270	Anthracene	J	High MS/MSD recoveries.
E11STMGP-B15-810	SW8270	Di-n-butyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B15-810	SW8270	Fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B15-810	SW8270	Pyrene	J	High MS/MSD recoveries.
E11STMGP-B15-810	SW8270	3,3'-Dichlorobenzidine	UJ	Low MS/MSD recoveries.
E11STMGP-B15-810	SW8270	Benzo(a)anthracene	J	High MS/MSD recoveries.
E11STMGP-B15-810	SW8270	Chrysene	J	High MS/MSD recoveries.
E11STMGP-B15-810	SW8270	Di-n-octyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B15-810	SW8270	Benzo(k)fluoranthene	UJ	Low MS/MSD recoveries.
E11STMGP-B15-810	SW8270	Benzo(a)pyrene	J	High MS/MSD recoveries.
E11STMGP-B15-810	SW8270	Indeno(1,2,3-cd)pyrene	UJ	Low MS/MSD recoveries.
E11STMGP-B15-810	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-B15-810	SW8270	Benzo(g,h,i)perylene	UJ	Low MS/MSD recoveries.
E11STMGP-B15-810	SW6010	Arsenic	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B15-810	SW6010	Cadmium	J	CRDL recovery > 120%.
E11STMGP-B15-810	SW6010	Chromium	J	CRDL recovery > 120%.
E11STMGP-B15-810	SW6010	Silver	UJ	CRDL recovery < 80%.
E11STMGP-B15-1416	SW8270	Acenaphthene	J	High MS/MSD recoveries.
E11STMGP-B15-1416	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B15-1416	SW8270	Fluorene	J	High MS/MSD recoveries.
E11STMGP-B15-1416	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B15-1416	SW8270	Phenanthrene	J	High MS/MSD recoveries.
E11STMGP-B15-1416	SW8270	Anthracene	J	High MS/MSD recoveries.
E11STMGP-B15-1416	SW8270	Di-n-butyl phthalate	UJ	Low MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B15-1416	SW8270	Fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B15-1416	SW8270	Pyrene	J	High MS/MSD recoveries.
E11STMGP-B15-1416	SW8270	3,3'-Dichlorobenzidine	UJ	Low MS/MSD recoveries.
E11STMGP-B15-1416	SW8270	Benzo(a)anthracene	J	High MS/MSD recoveries.
E11STMGP-B15-1416	SW8270	Chrysene	J	High MS/MSD recoveries.
E11STMGP-B15-1416	SW8270	Di-n-octyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B15-1416	SW8270	Benzo(k)fluoranthene	UJ	Low MS/MSD recoveries.
E11STMGP-B15-1416	SW8270	Benzo(a)pyrene	J	High MS/MSD recoveries.
E11STMGP-B15-1416	SW8270	Indeno(1,2,3-cd)pyrene	UJ	Low MS/MSD recoveries.
E11STMGP-B15-1416	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-B15-1416	SW8270	Benzo(g,h,i)perylene	UJ	Low MS/MSD recoveries.
E11STMGP-B15-1416	SW6010	Arsenic	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B15-1416	SW6010	Cadmium	J	CRDL recovery > 120%.
E11STMGP-B15-1416	SW6010	Chromium	J	CRDL recovery > 120%.
E11STMGP-B15-1416	SW6010	Silver	UJ	CRDL recovery < 80%.
E11STMGP-B16-1719	SW8260	Carbon disulfide	J	Initial calibration %RSD >15%.
E11STMGP-B16-1719	SW8260	Methylene chloride	J	Initial calibration %RSD >15%.
E11STMGP-B16-1719	SW8260	2-Butanone	J	Initial calibration %RSD >15%.
E11STMGP-B16-1719	SW6010	Silver	R	MS/MSD recoveries in SDG < 10%.
E11STMGP-B16-1719	SW6010	Arsenic	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B16-1921	SW8260	Acetone	J	Initial calibration %RSD >15%.
E11STMGP-B16-1921	SW8260	Carbon disulfide	J	Initial calibration %RSD >15%.
E11STMGP-B16-1921	SW8260	Methylene chloride	J	Initial calibration %RSD >15%.
E11STMGP-B16-1921	SW8260	2-Butanone	J	Initial calibration %RSD >15%.
E11STMGP-B16-1921	SW6010	Silver	R	MS/MSD recoveries in SDG < 10%.
E11STMGP-B16-1921	SW6010	Arsenic	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B16-57	SW8260	Acetone	J	Initial calibration %RSD >15%.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B16-57	SW8260	Carbon disulfide	J	Continuing calibration %D > 20%.
E11STMGP-B16-57	SW8260	Methylene chloride	U	Detected in associated method blank
E11STMGP-B16-57	SW6010	Silver	R	MS/MSD recoveries in SDG < 10%.
E11STMGP-B16-57	SW6010	Arsenic	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B17-1012	SW8260	All non-detected volatile organic analytes	UJ	Low internal standard recovery.
E11STMGP-B17-1012	SW8260	Methylcyclohexane	J	High surrogate recovery. Low internal standard recovery.
E11STMGP-B17-1012	SW8260	Benzene	J	High surrogate recovery. Low internal standard recovery.
E11STMGP-B17-1012	SW8260	Ethylbenzene	J	High surrogate recovery. Low internal standard recovery.
E11STMGP-B17-1012	SW8260	m-/p-xylenes	J	High surrogate recovery. Low internal standard recovery.
E11STMGP-B17-1012	SW8260	o-Xylene	J	High surrogate recovery. Low internal standard recovery.
E11STMGP-B17-1012	SW8260	Isopropylbenzene	J	High surrogate recovery. Low internal standard recovery.
E11STMGP-B17-1012	SW8260	Toluene	J	Initial calibration %RSD >15%. High surrogate recovery.
E11STMGP-B17-1012	SW8270	Acenaphthene	J	High MS/MSD recoveries.
E11STMGP-B17-1012	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B17-1012	SW8270	Fluorene	J	High MS/MSD recoveries.
E11STMGP-B17-1012	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B17-1012	SW8270	Phenanthrene	J	High MS/MSD recoveries.
E11STMGP-B17-1012	SW8270	Anthracene	J	High MS/MSD recoveries.
E11STMGP-B17-1012	SW8270	Di-n-butyl phthalate	UJ	Low MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B17-1012	SW8270	Fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B17-1012	SW8270	Pyrene	J	High MS/MSD recoveries.
E11STMGP-B17-1012	SW8270	3,3'-Dichlorobenzidine	UJ	Low MS/MSD recoveries.
E11STMGP-B17-1012	SW8270	Benzo(a)anthracene	J	High MS/MSD recoveries.
E11STMGP-B17-1012	SW8270	Chrysene	J	High MS/MSD recoveries.
E11STMGP-B17-1012	SW8270	Di-n-octyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B17-1012	SW8270	Benzo(b)fluoranthene	J	High MS/MSD recoveries.
E11STMGP-B17-1012	SW8270	Benzo(k)fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B17-1012	SW8270	Benzo(a)pyrene	J	High MS/MSD recoveries.
E11STMGP-B17-1012	SW8270	Indeno(1,2,3-cd)pyrene	J	Low MS/MSD recoveries.
E11STMGP-B17-1012	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-B17-1012	SW8270	Benzo(g,h,i)perylene	J	Low MS/MSD recoveries.
E11STMGP-B17-1012	SW6010	Arsenic	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B17-1012	SW6010	Cadmium	J	CRDL recovery > 120%.
E11STMGP-B17-1012	SW6010	Chromium	J	CRDL recovery > 120%.
E11STMGP-B17-1012	SW6010	Silver	UJ	CRDL recovery < 80%.
E11STMGP-B17-1012DL	SW8260	Benzene	J	High surrogate recovery. Low internal standard recovery.
E11STMGP-B17-1012DL	SW8260	Ethylbenzene	J	High surrogate recovery. Low internal standard recovery.
E11STMGP-B17-1012DL	SW8260	m-/p-xylenes	J	High surrogate recovery. Low internal standard recovery.
E11STMGP-B17-1012DL	SW8260	o-Xylene	J	High surrogate recovery. Low internal standard recovery.
E11STMGP-B17-1012DL	SW8260	Isopropylbenzene	J	High surrogate recovery. Low internal standard recovery.
E11STMGP-B17-1012DL	SW8260	1,2-Dichloroethane	UJ	Low internal standard recovery.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B17-1012DL	SW8260	Trichloroethene	UJ	Low internal standard recovery.
E11STMGP-B17-1012DL	SW8260	1,2-Dichloropropane	UJ	Low internal standard recovery.
E11STMGP-B17-1012DL	SW8260	Bromodichloromethane	UJ	Low internal standard recovery.
E11STMGP-B17-1012DL	SW8260	4-Methyl-2-pentanone	UJ	Low internal standard recovery.
E11STMGP-B17-1012DL	SW8260	Toluene	UJ	Low internal standard recovery.
E11STMGP-B17-1012DL	SW8260	trans-1,3-Dichloropropene	UJ	Low internal standard recovery.
E11STMGP-B17-1012DL	SW8260	cis-1,3-Dichloropropene	UJ	Low internal standard recovery.
E11STMGP-B17-1012DL	SW8260	1,1,2-Trichloroethane	UJ	Low internal standard recovery.
E11STMGP-B17-1012DL	SW8260	2-Hexanone	UJ	Low internal standard recovery.
E11STMGP-B17-1012DL	SW8260	Dibromochloromethane	UJ	Low internal standard recovery.
E11STMGP-B17-1012DL	SW8260	1,2-Dibromoethane	UJ	Low internal standard recovery.
E11STMGP-B17-1012DL	SW8260	Tetrachloroethene	UJ	Low internal standard recovery.
E11STMGP-B17-1012DL	SW8260	Chlorobenzene	UJ	Low internal standard recovery.
E11STMGP-B17-1012DL	SW8260	Styrene	UJ	Low internal standard recovery.
E11STMGP-B17-1012DL	SW8260	Bromoform	UJ	Low internal standard recovery.
E11STMGP-B17-1012DL	SW8260	1,1,2,2-Tetrachloroethane	UJ	Low internal standard recovery.
E11STMGP-B17-1012DL	SW8260	1,3-Dichlorobenzene	UJ	Low internal standard recovery.
E11STMGP-B17-1012DL	SW8260	1,4-Dichlorobenzene	UJ	Low internal standard recovery.
E11STMGP-B17-1012DL	SW8260	1,2-Dichlorobenzene	UJ	Low internal standard recovery.
E11STMGP-B17-1012DL	SW8260	1,2-Dibromo-3-chloropropane	UJ	Low internal standard recovery.
E11STMGP-B17-1012DL	SW8260	1,2,4-Trichlorobenzene	UJ	Low internal standard recovery.
E11STMGP-B17-1012DL	SW8270	Acenaphthene	J	High MS/MSD recoveries.
E11STMGP-B17-1012DL	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B17-1012DL	SW8270	Fluorene	J	High MS/MSD recoveries.
E11STMGP-B17-1012DL	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B17-1012DL	SW8270	Phenanthrene	J	High MS/MSD recoveries.
E11STMGP-B17-1012DL	SW8270	Anthracene	J	High MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B17-1012DL	SW8270	Di-n-butyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B17-1012DL	SW8270	Fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B17-1012DL	SW8270	Pyrene	J	High MS/MSD recoveries.
E11STMGP-B17-1012DL	SW8270	3,3'-Dichlorobenzidine	UJ	Low MS/MSD recoveries.
E11STMGP-B17-1012DL	SW8270	Benzo(a)anthracene	J	High MS/MSD recoveries.
E11STMGP-B17-1012DL	SW8270	Chrysene	J	High MS/MSD recoveries.
E11STMGP-B17-1012DL	SW8270	Di-n-octyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B17-1012DL	SW8270	Benzo(b)fluoranthene	J	High MS/MSD recoveries.
E11STMGP-B17-1012DL	SW8270	Benzo(k)fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B17-1012DL	SW8270	Benzo(a)pyrene	J	High MS/MSD recoveries.
E11STMGP-B17-1012DL	SW8270	Indeno(1,2,3-cd)pyrene	UJ	Low MS/MSD recoveries.
E11STMGP-B17-1012DL	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-B17-1012DL	SW8270	Benzo(g,h,i)perylene	UJ	Low MS/MSD recoveries.
E11STMGP-B17-1012DL2	SW8270	Acenaphthene	J	High MS/MSD recoveries.
E11STMGP-B17-1012DL2	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B17-1012DL2	SW8270	Fluorene	J	High MS/MSD recoveries.
E11STMGP-B17-1012DL2	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B17-1012DL2	SW8270	Phenanthrene	J	High MS/MSD recoveries.
E11STMGP-B17-1012DL2	SW8270	Anthracene	J	High MS/MSD recoveries.
E11STMGP-B17-1012DL2	SW8270	Di-n-butyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B17-1012DL2	SW8270	Fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B17-1012DL2	SW8270	Pyrene	J	High MS/MSD recoveries.
E11STMGP-B17-1012DL2	SW8270	3,3'-Dichlorobenzidine	UJ	Low MS/MSD recoveries.
E11STMGP-B17-1012DL2	SW8270	Benzo(a)anthracene	J	High MS/MSD recoveries.
E11STMGP-B17-1012DL2	SW8270	Chrysene	J	High MS/MSD recoveries.
E11STMGP-B17-1012DL2	SW8270	Di-n-octyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B17-1012DL2	SW8270	Benzo(k)fluoranthene	UJ	Low MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B17-1012DL2	SW8270	Indeno(1,2,3-cd)pyrene	UJ	Low MS/MSD recoveries.
E11STMGP-B17-1012DL2	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-B17-1012DL2	SW8270	Benzo(g,h,i)perylene	UJ	Low MS/MSD recoveries.
E11STMGP-B17-57	SW8260	Acetone	J	Initial calibration %RSD >15%.Continuing calibration %D > 20%.
E11STMGP-B17-57	SW8270	Acenaphthene	J	High MS/MSD recoveries.
E11STMGP-B17-57	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B17-57	SW8270	Fluorene	J	High MS/MSD recoveries.
E11STMGP-B17-57	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B17-57	SW8270	Phenanthrene	J	High MS/MSD recoveries.
E11STMGP-B17-57	SW8270	Anthracene	J	High MS/MSD recoveries.
E11STMGP-B17-57	SW8270	Di-n-butyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B17-57	SW8270	Fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B17-57	SW8270	Pyrene	J	High MS/MSD recoveries.
E11STMGP-B17-57	SW8270	3,3'-Dichlorobenzidine	UJ	Low MS/MSD recoveries.
E11STMGP-B17-57	SW8270	Benzo(a)anthracene	J	High MS/MSD recoveries.
E11STMGP-B17-57	SW8270	Chrysene	J	High MS/MSD recoveries.
E11STMGP-B17-57	SW8270	Di-n-octyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B17-57	SW8270	Benzo(b)fluoranthene	J	High MS/MSD recoveries.
E11STMGP-B17-57	SW8270	Benzo(k)fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B17-57	SW8270	Benzo(a)pyrene	J	High MS/MSD recoveries.
E11STMGP-B17-57	SW8270	Indeno(1,2,3-cd)pyrene	J	Low MS/MSD recoveries.
E11STMGP-B17-57	SW8270	Dibenz(a,h)anthracene	J	Low MS/MSD recoveries.
E11STMGP-B17-57	SW8270	Benzo(g,h,i)perylene	J	Low MS/MSD recoveries.
E11STMGP-B17-57	SW6010	Arsenic	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B17-57	SW6010	Cadmium	J	CRDL recovery > 120%.
E11STMGP-B17-57	SW6010	Chromium	J	CRDL recovery > 120%.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B17-57	SW6010	Silver	UJ	CRDL recovery < 80%.
E11STMGP-B17-57DL	SW8270	Acenaphthene	J	High MS/MSD recoveries.
E11STMGP-B17-57DL	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B17-57DL	SW8270	Fluorene	J	High MS/MSD recoveries.
E11STMGP-B17-57DL	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B17-57DL	SW8270	Phenanthrene	J	High MS/MSD recoveries.
E11STMGP-B17-57DL	SW8270	Anthracene	J	High MS/MSD recoveries.
E11STMGP-B17-57DL	SW8270	Di-n-butyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B17-57DL	SW8270	Fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B17-57DL	SW8270	Pyrene	J	High MS/MSD recoveries.
E11STMGP-B17-57DL	SW8270	3,3'-Dichlorobenzidine	UJ	Low MS/MSD recoveries.
E11STMGP-B17-57DL	SW8270	Benzo(a)anthracene	J	High MS/MSD recoveries.
E11STMGP-B17-57DL	SW8270	Chrysene	J	High MS/MSD recoveries.
E11STMGP-B17-57DL	SW8270	Di-n-octyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B17-57DL	SW8270	Benzo(b)fluoranthene	J	High MS/MSD recoveries.
E11STMGP-B17-57DL	SW8270	Benzo(k)fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B17-57DL	SW8270	Benzo(a)pyrene	J	High MS/MSD recoveries.
E11STMGP-B17-57DL	SW8270	Indeno(1,2,3-cd)pyrene	J	Low MS/MSD recoveries.
E11STMGP-B17-57DL	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-B17-57DL	SW8270	Benzo(g,h,i)perylene	J	Low MS/MSD recoveries.
E11STMGP-B19-1214	SW8260	Acetone	J	Initial calibration %RSD >15%.
E11STMGP-B19-1214	SW8260	Methylene chloride	J	Initial calibration %RSD >15%.
E11STMGP-B19-1214	SW8260	Methyl acetate	R	Continuing calibration %D > 90%.
E11STMGP-B19-1214	SW8260	2-Butanone	R	Initial calibration %RSD >15%.Continuing calibration %D > 20%.
E11STMGP-B19-1214	SW8270	Acenaphthene	J	High MS/MSD recoveries.
E11STMGP-B19-1214	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B19-1214	SW8270	Fluorene	J	High MS/MSD recoveries.
E11STMGP-B19-1214	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B19-1214	SW8270	Phenanthrene	J	High MS/MSD recoveries.
E11STMGP-B19-1214	SW8270	Anthracene	J	High MS/MSD recoveries.
E11STMGP-B19-1214	SW8270	Di-n-butyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B19-1214	SW8270	Fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B19-1214	SW8270	Pyrene	J	High MS/MSD recoveries.
E11STMGP-B19-1214	SW8270	3,3'-Dichlorobenzidine	UJ	Low MS/MSD recoveries.
E11STMGP-B19-1214	SW8270	Benzo(a)anthracene	J	High MS/MSD recoveries.
E11STMGP-B19-1214	SW8270	Chrysene	J	High MS/MSD recoveries.
E11STMGP-B19-1214	SW8270	Di-n-octyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B19-1214	SW8270	Benzo(b)fluoranthene	J	High MS/MSD recoveries.
E11STMGP-B19-1214	SW8270	Benzo(k)fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B19-1214	SW8270	Benzo(a)pyrene	J	High MS/MSD recoveries.
E11STMGP-B19-1214	SW8270	Indeno(1,2,3-cd)pyrene	J	Low MS/MSD recoveries.
E11STMGP-B19-1214	SW8270	Dibenz(a,h)anthracene	J	Low MS/MSD recoveries.
E11STMGP-B19-1214	SW8270	Benzo(g,h,i)perylene	J	Low MS/MSD recoveries.
E11STMGP-B19-1214	SW6010	Arsenic	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B19-1214	SW6010	Cadmium	J	CRDL recovery > 120%.
E11STMGP-B19-1214	SW6010	Chromium	J	CRDL recovery > 120%.
E11STMGP-B19-1214	SW6010	Silver	UJ	CRDL recovery < 80%.
E11STMGP-B19-1214DL	SW8270	Acenaphthene	J	High MS/MSD recoveries.
E11STMGP-B19-1214DL	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B19-1214DL	SW8270	Fluorene	J	High MS/MSD recoveries.
E11STMGP-B19-1214DL	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B19-1214DL	SW8270	Phenanthrene	J	High MS/MSD recoveries.
E11STMGP-B19-1214DL	SW8270	Anthracene	J	High MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B19-1214DL	SW8270	Di-n-butyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B19-1214DL	SW8270	Fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B19-1214DL	SW8270	Pyrene	J	High MS/MSD recoveries.
E11STMGP-B19-1214DL	SW8270	3,3'-Dichlorobenzidine	UJ	Low MS/MSD recoveries.
E11STMGP-B19-1214DL	SW8270	Benzo(a)anthracene	J	High MS/MSD recoveries.
E11STMGP-B19-1214DL	SW8270	Chrysene	J	High MS/MSD recoveries.
E11STMGP-B19-1214DL	SW8270	Di-n-octyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B19-1214DL	SW8270	Benzo(b)fluoranthene	J	High MS/MSD recoveries.
E11STMGP-B19-1214DL	SW8270	Benzo(k)fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B19-1214DL	SW8270	Benzo(a)pyrene	J	High MS/MSD recoveries.
E11STMGP-B19-1214DL	SW8270	Indeno(1,2,3-cd)pyrene	J	Low MS/MSD recoveries.
E11STMGP-B19-1214DL	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-B19-1214DL	SW8270	Benzo(g,h,i)perylene	J	Low MS/MSD recoveries.
E11STMGP-B19-1618	SW8270	Acenaphthene	J	High MS/MSD recoveries.
E11STMGP-B19-1618	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B19-1618	SW8270	Fluorene	J	High MS/MSD recoveries.
E11STMGP-B19-1618	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B19-1618	SW8270	Phenanthrene	J	High MS/MSD recoveries.
E11STMGP-B19-1618	SW8270	Anthracene	J	High MS/MSD recoveries.
E11STMGP-B19-1618	SW8270	Di-n-butyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B19-1618	SW8270	Fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B19-1618	SW8270	Pyrene	J	High MS/MSD recoveries.
E11STMGP-B19-1618	SW8270	3,3'-Dichlorobenzidine	UJ	Low MS/MSD recoveries.
E11STMGP-B19-1618	SW8270	Benzo(a)anthracene	J	High MS/MSD recoveries.
E11STMGP-B19-1618	SW8270	Chrysene	J	High MS/MSD recoveries.
E11STMGP-B19-1618	SW8270	Di-n-octyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B19-1618	SW8270	Benzo(b)fluoranthene	J	High MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B19-1618	SW8270	Benzo(k)fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B19-1618	SW8270	Benzo(a)pyrene	J	High MS/MSD recoveries.
E11STMGP-B19-1618	SW8270	Indeno(1,2,3-cd)pyrene	J	Low MS/MSD recoveries.
E11STMGP-B19-1618	SW8270	Dibenz(a,h)anthracene	J	Low MS/MSD recoveries.
E11STMGP-B19-1618	SW8270	Benzo(g,h,i)perylene	J	Low MS/MSD recoveries.
E11STMGP-B19-1618	SW6010	Arsenic	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B19-1618	SW6010	Cadmium	J	CRDL recovery > 120%.
E11STMGP-B19-1618	SW6010	Chromium	J	CRDL recovery > 120%.
E11STMGP-B19-1618	SW6010	Silver	UJ	CRDL recovery < 80%.
E11STMGP-B19-1618DL	SW8270	Acenaphthene	J	High MS/MSD recoveries.
E11STMGP-B19-1618DL	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B19-1618DL	SW8270	Fluorene	J	High MS/MSD recoveries.
E11STMGP-B19-1618DL	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B19-1618DL	SW8270	Phenanthrene	J	High MS/MSD recoveries.
E11STMGP-B19-1618DL	SW8270	Anthracene	J	High MS/MSD recoveries.
E11STMGP-B19-1618DL	SW8270	Di-n-butyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B19-1618DL	SW8270	Fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B19-1618DL	SW8270	Pyrene	J	High MS/MSD recoveries.
E11STMGP-B19-1618DL	SW8270	3,3'-Dichlorobenzidine	UJ	Low MS/MSD recoveries.
E11STMGP-B19-1618DL	SW8270	Benzo(a)anthracene	J	High MS/MSD recoveries.
E11STMGP-B19-1618DL	SW8270	Chrysene	J	High MS/MSD recoveries.
E11STMGP-B19-1618DL	SW8270	Di-n-octyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B19-1618DL	SW8270	Benzo(b)fluoranthene	J	High MS/MSD recoveries.
E11STMGP-B19-1618DL	SW8270	Benzo(k)fluoranthene	UJ	Low MS/MSD recoveries.
E11STMGP-B19-1618DL	SW8270	Benzo(a)pyrene	J	High MS/MSD recoveries.
E11STMGP-B19-1618DL	SW8270	Indeno(1,2,3-cd)pyrene	UJ	Low MS/MSD recoveries.
E11STMGP-B19-1618DL	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B19-1618DL	SW8270	Benzo(g,h,i)perylene	UJ	Low MS/MSD recoveries.
E11STMGP-B19-1618DL2	SW8270	Acenaphthene	J	High MS/MSD recoveries.
E11STMGP-B19-1618DL2	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B19-1618DL2	SW8270	Fluorene	J	High MS/MSD recoveries.
E11STMGP-B19-1618DL2	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B19-1618DL2	SW8270	Phenanthrene	J	High MS/MSD recoveries.
E11STMGP-B19-1618DL2	SW8270	Anthracene	J	High MS/MSD recoveries.
E11STMGP-B19-1618DL2	SW8270	Di-n-butyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B19-1618DL2	SW8270	Fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B19-1618DL2	SW8270	Pyrene	J	High MS/MSD recoveries.
E11STMGP-B19-1618DL2	SW8270	3,3'-Dichlorobenzidine	UJ	Low MS/MSD recoveries.
E11STMGP-B19-1618DL2	SW8270	Benzo(a)anthracene	J	High MS/MSD recoveries.
E11STMGP-B19-1618DL2	SW8270	Chrysene	J	High MS/MSD recoveries.
E11STMGP-B19-1618DL2	SW8270	Di-n-octyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B19-1618DL2	SW8270	Benzo(b)fluoranthene	J	High MS/MSD recoveries.
E11STMGP-B19-1618DL2	SW8270	Benzo(k)fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B19-1618DL2	SW8270	Benzo(a)pyrene	J	High MS/MSD recoveries.
E11STMGP-B19-1618DL2	SW8270	Indeno(1,2,3-cd)pyrene	J	Low MS/MSD recoveries.
E11STMGP-B19-1618DL2	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-B19-1618DL2	SW8270	Benzo(g,h,i)perylene	UJ	Low MS/MSD recoveries.
E11STMGP-B21-1415	SW8260	Acetone	J	Initial calibration %RSD >15%. Low surrogate recovery. Low internal standard recovery.
E11STMGP-B21-1415	SW8260	Carbon disulfide	J	Continuing calibration %D > 20%. Low surrogate recovery. Low internal standard recovery.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B21-1415	SW8260	Methylene chloride	UJ	Detected in associated method blank. Low surrogate recovery.
E11STMGP-B21-1415	SW8260	2-Butanone	J	Low surrogate recovery. Low internal standard recovery.
E11STMGP-B21-1415	SW8260	Benzene	J	Low surrogate recovery. Low internal standard recovery.
E11STMGP-B21-1415	SW8260	All non-detected volatile organic compounds (except those flagged "R")	UJ	Low surrogate recovery. Low internal standard recovery.
E11STMGP-B21-1415	SW8260	Isopropylbenzene	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B21-1415	SW8260	1,1,2,2-Tetrachloroethane	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B21-1415	SW8260	1,3-Dichlorobenzene	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B21-1415	SW8260	1,4-Dichlorobenzene	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B21-1415	SW8260	1,2-Dichlorobenzene	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B21-1415	SW8260	1,2-Dibromo-3-chloropropane	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B21-1415	SW8260	1,2,4-Trichlorobenzene	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B21-1415	SW6010	Silver	R	MS/MSD recoveries in SDG < 10%.
E11STMGP-B21-1415	SW6010	Arsenic	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B21-1415RE	SW8260	Acetone	J	Initial calibration %RSD >15%. Low surrogate recovery.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B21-1415RE	SW8260	Carbon disulfide	J	Continuing calibration %D > 20%. Low surrogate recovery.
E11STMGP-B21-1415RE	SW8260	Methylene chloride	UJ	Detected in associated method blank. Low surrogate recovery.
E11STMGP-B21-1415RE	SW8260	2-Butanone	J	Low surrogate recovery.
E11STMGP-B21-1415RE	SW8260	Benzene	J	Low surrogate recovery.
E11STMGP-B21-1415RE	SW8260	All non-detected volatile organic compounds	UJ	Low surrogate recovery.
E11STMGP-B21-1415RE	SW8260	Isopropylbenzene	UJ	Low internal standard recovery.
E11STMGP-B21-1415RE	SW8260	1,1,2,2-Tetrachloroethane	UJ	Low internal standard recovery.
E11STMGP-B21-1415RE	SW8260	1,3-Dichlorobenzene	UJ	Low internal standard recovery.
E11STMGP-B21-1415RE	SW8260	1,4-Dichlorobenzene	UJ	Low internal standard recovery.
E11STMGP-B21-1415RE	SW8260	1,2-Dichlorobenzene	UJ	Low internal standard recovery.
E11STMGP-B21-1415RE	SW8260	1,2-Dibromo-3-chloropropane	UJ	Low internal standard recovery.
E11STMGP-B21-1415RE	SW8260	1,2,4-Trichlorobenzene	UJ	Low internal standard recovery.
E11STMGP-B21-1921	SW8260	Acetone	J	Initial calibration %RSD >15%. Low surrogate recovery. Low internal standard recovery.
E11STMGP-B21-1921	SW8260	Methylene chloride	UJ	Detected in associated method blank. Low surrogate recovery. Low internal standard recoveries.
E11STMGP-B21-1921	SW8260	2-Butanone	J	Low surrogate recovery. Low internal standard recovery.
E11STMGP-B21-1921	SW8260	Benzene	J	Low surrogate recovery. Low internal standard recovery.
E11STMGP-B21-1921	SW8260	Toluene	J	Low surrogate recovery. Low internal standard recovery.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B21-1921	SW8260	Ethylbenzene	J	Low surrogate recovery. Low internal standard recovery.
E11STMGP-B21-1921	SW8260	m-/p-Xylenes	J	Low surrogate recovery. Low internal standard recovery.
E11STMGP-B21-1921	SW8260	o-Xylene	J	Low surrogate recovery. Low internal standard recovery.
E11STMGP-B21-1921	SW8260	Isopropylbenzene	J	Low surrogate recovery. Low internal standard recovery.
E11STMGP-B21-1921	SW8260	All non-detected volatile organic analytes	UJ	Low surrogate recovery. Low internal standard recovery.
E11STMGP-B21-1921	SW8260	Isopropylbenzene	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B21-1921	SW8260	1,1,2,2-Tetrachloroethane	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B21-1921	SW8260	1,3-Dichlorobenzene	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B21-1921	SW8260	1,4-Dichlorobenzene	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B21-1921	SW8260	1,2-Dichlorobenzene	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B21-1921	SW8260	1,2-Dibromo-3-chloropropane	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B21-1921	SW8260	1,2,4-Trichlorobenzene	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B21-1921	SW6010	Silver	R	MS/MSD recoveries in SDG < 10%.
E11STMGP-B21-1921	SW6010	Arsenic	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B22-1012	SW8270	Acenaphthene	J	High MS/MSD recoveries.
E11STMGP-B22-1012	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B22-1012	SW8270	Fluorene	J	High MS/MSD recoveries.
E11STMGP-B22-1012	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B22-1012	SW8270	Phenanthrene	J	High MS/MSD recoveries.
E11STMGP-B22-1012	SW8270	Anthracene	J	High MS/MSD recoveries.
E11STMGP-B22-1012	SW8270	Di-n-butyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B22-1012	SW8270	Fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B22-1012	SW8270	Pyrene	J	High MS/MSD recoveries.
E11STMGP-B22-1012	SW8270	3,3'-Dichlorobenzidine	UJ	Low MS/MSD recoveries.
E11STMGP-B22-1012	SW8270	Benzo(a)anthracene	J	High MS/MSD recoveries.
E11STMGP-B22-1012	SW8270	Chrysene	J	High MS/MSD recoveries.
E11STMGP-B22-1012	SW8270	Di-n-octyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B22-1012	SW8270	Benzo(b)fluoranthene	J	High MS/MSD recoveries.
E11STMGP-B22-1012	SW8270	Benzo(k)fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B22-1012	SW8270	Benzo(a)pyrene	J	High MS/MSD recoveries.
E11STMGP-B22-1012	SW8270	Indeno(1,2,3-cd)pyrene	J	Low MS/MSD recoveries.
E11STMGP-B22-1012	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-B22-1012	SW8270	Benzo(g,h,i)perylene	J	Low MS/MSD recoveries.
E11STMGP-B22-1012	SW6010	Arsenic	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B22-1012	SW6010	Cadmium	J	CRDL recovery > 120%.
E11STMGP-B22-1012	SW6010	Chromium	J	CRDL recovery > 120%.
E11STMGP-B22-1012	SW6010	Silver	UJ	CRDL recovery < 80%.
E11STMGP-B22-57	SW8260	Acetone	J	Initial calibration %RSD >15% and continuing calibration %D >20.
E11STMGP-B22-57	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B22-57	SW8270	Fluorene	J	High MS/MSD recoveries.
E11STMGP-B22-57	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B22-57	SW8270	Phenanthrene	J	High MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B22-57	SW8270	Anthracene	J	High MS/MSD recoveries.
E11STMGP-B22-57	SW8270	Di-n-butyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B22-57	SW8270	Fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B22-57	SW8270	Pyrene	J	High MS/MSD recoveries.
E11STMGP-B22-57	SW8270	3,3'-Dichlorobenzidine	UJ	Low MS/MSD recoveries.
E11STMGP-B22-57	SW8270	Benzo(a)anthracene	J	High MS/MSD recoveries.
E11STMGP-B22-57	SW8270	Chrysene	J	High MS/MSD recoveries.
E11STMGP-B22-57	SW8270	Di-n-octyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B22-57	SW8270	Benzo(b)fluoranthene	J	High MS/MSD recoveries.
E11STMGP-B22-57	SW8270	Benzo(k)fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B22-57	SW8270	Benzo(a)pyrene	J	High MS/MSD recoveries.
E11STMGP-B22-57	SW8270	Indeno(1,2,3-cd)pyrene	J	Low MS/MSD recoveries.
E11STMGP-B22-57	SW8270	Dibenz(a,h)anthracene	J	Low MS/MSD recoveries.
E11STMGP-B22-57	SW8270	Benzo(g,h,i)perylene	J	Low MS/MSD recoveries.
E11STMGP-B22-57	SW6010	Arsenic	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B22-57	SW6010	Cadmium	J	CRDL recovery > 120%.
E11STMGP-B22-57	SW6010	Chromium	J	CRDL recovery > 120%.
E11STMGP-B22-57	SW6010	Silver	UJ	CRDL recovery < 80%.
E11STMGP-B23-1921	SW8270	Naphthalene	J	High MS/MSD recovery.
E11STMGP-B23-1921	SW8270	2-Methylnaphthalene	J	High MS/MSD recovery.
E11STMGP-B23-1921	SW8270	Acenaphthylene	J	High MS/MSD recovery.
E11STMGP-B23-1921	SW8270	Acenaphthene	J	High MS/MSD recovery.
E11STMGP-B23-1921	SW8270	Dibenzofuran	J	High MS/MSD recovery.
E11STMGP-B23-1921	SW8270	Fluorene	J	High MS/MSD recovery.
E11STMGP-B23-1921	SW8270	Anthracene	J	High MS/MSD recovery.
E11STMGP-B23-1921	SW8270	Carbazole	J	High MS/MSD recovery.
E11STMGP-B23-1921	SW8270	Fluoranthene	J	High MS/MSD recovery.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B23-1921	SW8270	Benzo(a)anthracene	J	High MS/MSD recovery.
E11STMGP-B23-1921	SW8270	Benzo(b)fluoranthene	J	High MS/MSD recovery.
E11STMGP-B23-1921	SW8270	Benzo(k)fluoranthene	J	High MS/MSD recovery.
E11STMGP-B23-1921	SW8270	Benzo(a)pyrene	J	High MS/MSD recovery.
E11STMGP-B23-1921	SW8270	2,4-Dinitrophenol	R	Continuing calibration %D > 90%.
E11STMGP-B23-1921	SW8270	2,4-Dinitrotoluene	J	Continuing calibration %D > 20%. High MS/MSD recovery.
E11STMGP-B23-1921	SW8270	Dibenz(a,h)anthracene	J	Continuing calibration %D > 20%.
E11STMGP-B23-1921	SW8270	Benzo(g,h,i)perylene	J	Continuing calibration %D > 20%.
E11STMGP-B23-1921	SW6010	Selenium	J	CRDL recovery > 120%.
E11STMGP-B23-1921DL	SW8270	Naphthalene	J	High MS/MSD recovery.
E11STMGP-B23-1921DL	SW8270	2-Methylnaphthalene	J	High MS/MSD recovery.
E11STMGP-B23-1921DL	SW8270	Acenaphthylene	J	High MS/MSD recovery.
E11STMGP-B23-1921DL	SW8270	Acenaphthene	J	High MS/MSD recovery.
E11STMGP-B23-1921DL	SW8270	Dibenzofuran	J	High MS/MSD recovery.
E11STMGP-B23-1921DL	SW8270	Fluorene	J	High MS/MSD recovery.
E11STMGP-B23-1921DL	SW8270	Anthracene	J	High MS/MSD recovery.
E11STMGP-B23-1921DL	SW8270	Carbazole	J	High MS/MSD recovery.
E11STMGP-B23-1921DL	SW8270	Fluoranthene	J	High MS/MSD recovery.
E11STMGP-B23-1921DL	SW8270	Benzo(a)anthracene	J	High MS/MSD recovery.
E11STMGP-B23-1921DL	SW8270	Benzo(b)fluoranthene	J	High MS/MSD recovery.
E11STMGP-B23-1921DL	SW8270	Benzo(k)fluoranthene	J	High MS/MSD recovery.
E11STMGP-B23-1921DL	SW8270	Benzo(a)pyrene	J	High MS/MSD recovery.
E11STMGP-B23-1921DL2	SW8270	Naphthalene	J	High MS/MSD recovery.
E11STMGP-B23-1921DL2	SW8270	2-Methylnaphthalene	J	High MS/MSD recovery.
E11STMGP-B23-1921DL2	SW8270	Acenaphthylene	J	High MS/MSD recovery.
E11STMGP-B23-1921DL2	SW8270	Acenaphthene	J	High MS/MSD recovery.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B23-1921DL2	SW8270	Dibenzofuran	J	High MS/MSD recovery.
E11STMGP-B23-1921DL2	SW8270	Fluorene	J	High MS/MSD recovery.
E11STMGP-B23-1921DL2	SW8270	Anthracene	J	High MS/MSD recovery.
E11STMGP-B23-1921DL2	SW8270	Carbazole	J	High MS/MSD recovery.
E11STMGP-B23-1921DL2	SW8270	Fluoranthene	J	High MS/MSD recovery.
E11STMGP-B23-1921DL2	SW8270	Benzo(a)anthracene	J	High MS/MSD recovery.
E11STMGP-B23-1921DL2	SW8270	Benzo(b)fluoranthene	J	High MS/MSD recovery.
E11STMGP-B23-1921DL2	SW8270	Benzo(k)fluoranthene	J	High MS/MSD recovery.
E11STMGP-B23-1921DL2	SW8270	Benzo(a)pyrene	J	High MS/MSD recovery.
E11STMGP-B23-2325	SW8260	Acetone	J	Initial calibration %RSD >15% and continuing calibration %D >20.
E11STMGP-B23-2325	SW8260	Carbon disulfide	J	Initial calibration %RSD >15%.
E11STMGP-B23-2325	SW8260	Methylene chloride	UJ	Initial calibration %RSD >15% and continuing calibration %D >20. Detected in associated method blank.
E11STMGP-B23-2325	SW8260	Methyl acetate	J	Initial calibration %RSD >15%.
E11STMGP-B23-2325	SW8270	Naphthalene	J	High MS/MSD recovery.
E11STMGP-B23-2325	SW8270	2-Methylnaphthalene	J	High MS/MSD recovery.
E11STMGP-B23-2325	SW8270	Acenaphthylene	J	High MS/MSD recovery.
E11STMGP-B23-2325	SW8270	Acenaphthene	J	High MS/MSD recovery.
E11STMGP-B23-2325	SW8270	Dibenzofuran	J	High MS/MSD recovery.
E11STMGP-B23-2325	SW8270	Fluorene	J	High MS/MSD recovery.
E11STMGP-B23-2325	SW8270	Anthracene	J	High MS/MSD recovery.
E11STMGP-B23-2325	SW8270	Carbazole	J	High MS/MSD recovery.
E11STMGP-B23-2325	SW8270	Fluoranthene	J	High MS/MSD recovery.
E11STMGP-B23-2325	SW8270	Benzo(a)anthracene	J	High MS/MSD recovery.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B23-2325	SW8270	Benzo(b)fluoranthene	J	Low internal standard recovery. High MS/MSD recovery.
E11STMGP-B23-2325	SW8270	Benzo(k)fluoranthene	J	Low internal standard recovery. High MS/MSD recovery.
E11STMGP-B23-2325	SW8270	Benzo(a)pyrene	J	Low internal standard recovery. High MS/MSD recovery.
E11STMGP-B23-2325	SW8270	Dibenz(a,h)anthracene	J	Low internal standard recovery.
E11STMGP-B23-2325	SW8270	Benzo(g,h,i)perylene	J	Low internal standard recovery.
E11STMGP-B23-2325	SW6010	Selenium	J	CRDL recovery > 120%.
E11STMGP-B23-2325DL	SW8270	Naphthalene	J	High MS/MSD recovery.
E11STMGP-B23-2325DL	SW8270	2-Methylnaphthalene	J	High MS/MSD recovery.
E11STMGP-B23-2325DL	SW8270	Acenaphthene	J	High MS/MSD recovery.
E11STMGP-B23-2325DL	SW8270	Dibenzofuran	J	High MS/MSD recovery.
E11STMGP-B23-2325DL	SW8270	Fluorene	J	High MS/MSD recovery.
E11STMGP-B23-2325DL	SW8270	Anthracene	J	High MS/MSD recovery.
E11STMGP-B23-2325DL	SW8270	Fluoranthene	J	High MS/MSD recovery.
E11STMGP-B23-2325DL	SW8270	Benzo(a)anthracene	J	High MS/MSD recovery.
E11STMGP-B23-2325DL	SW8270	Benzo(b)fluoranthene	J	High MS/MSD recovery.
E11STMGP-B23-2325DL	SW8270	Benzo(k)fluoranthene	J	High MS/MSD recovery.
E11STMGP-B23-2325DL	SW8270	Benzo(a)pyrene	J	High MS/MSD recovery.
E11STMGP-B23-2325DL	SW8270	2,4-Dinitrophenol	R	Continuing calibration %D > 90%.
E11STMGP-B23-57	SW8260	Methylene chloride	UJ	Initial calibration %RSD >15% and continuing calibration %D >20. Detected in associated method blank.
E11STMGP-B23-57	SW8270	Naphthalene	J	High MS/MSD recovery.
E11STMGP-B23-57	SW8270	2-Methylnaphthalene	J	High MS/MSD recovery.
E11STMGP-B23-57	SW8270	Acenaphthylene	J	High MS/MSD recovery.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B23-57	SW8270	Di-n-butylphthalate	J	High MS/MSD recovery.
E11STMGP-B23-57	SW8270	Fluoranthene	J	High MS/MSD recovery.
E11STMGP-B23-57	SW8270	Benzo(a)anthracene	J	High MS/MSD recovery.
E11STMGP-B23-57	SW8270	Benzo(b)fluoranthene	J	High MS/MSD recovery.
E11STMGP-B23-57	SW8270	Benzo(a)pyrene	J	High MS/MSD recovery.
E11STMGP-B23-57	SW6010	Selenium	J	CRDL recovery > 120%.
E11STMGP-B27-1012	SW8270	Benzo(k)fluoranthene	J	Continuing calibration %D > 20%.
E11STMGP-B27-1012	SW6010	Cadmium	J	CRDL recovery > 120%.
E11STMGP-B27-1012	SW6010	Chromium	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B27-1012	SW6010	Lead	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B27-1012	SW7471	Mercury	J	CRDL recovery > 120%.
E11STMGP-B27-1012DL	SW8270	Benzo(k)fluoranthene	J	Continuing calibration %D > 20%.
E11STMGP-B32-1315	SW8260	Acetone	J	Initial calibration %RSD >15%. Low surrogate recovery.
E11STMGP-B32-1315	SW8260	Carbon disulfide	J	Initial calibration %RSD >15%. Low surrogate recovery.
E11STMGP-B32-1315	SW8260	Methylene chloride	J	Initial calibration %RSD >15%. Low surrogate recovery.
E11STMGP-B32-1315	SW8260	2-Butanone	J	Initial calibration %RSD >15%. Low surrogate recovery.
E11STMGP-B32-1315	SW8260	Benzene	J	Low surrogate recovery.
E11STMGP-B32-1315	SW8260	Toluene	J	Low surrogate recovery.
E11STMGP-B32-1315	SW8260	Ethylbenzene	J	Low surrogate recovery. High internal standard recovery.
E11STMGP-B32-1315	SW8260	m-/p-Xylenes	J	Low surrogate recovery. High internal standard recovery.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B32-1315	SW8260	o-Xylene	J	Low surrogate recovery. High internal standard recovery.
E11STMGP-B32-1315	SW8260	Isopropylbenzene	J	Low surrogate recovery. High internal standard recovery.
E11STMGP-B32-1315	SW8260	All non-detected volatile organic analytes	UJ	Low surrogate recovery.
E11STMGP-B32-1315	SW6010	Silver	R	MS/MSD recoveries in SDG < 10%.
E11STMGP-B32-1315	SW6010	Arsenic	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B32-2123	SW8260	Acetone	J	Initial calibration %RSD >15%. Low surrogate recovery.
E11STMGP-B32-2123	SW8260	Carbon disulfide	J	Initial calibration %RSD >15%. Low surrogate recovery.
E11STMGP-B32-2123	SW8260	Methylene chloride	J	Initial calibration %RSD >15%. Low surrogate recovery.
E11STMGP-B32-2123	SW8260	2-Butanone	J	Initial calibration %RSD >15%. Low surrogate recovery.
E11STMGP-B32-2123	SW8260	Benzene	J	Low surrogate recovery.
E11STMGP-B32-2123	SW8260	Toluene	J	Low surrogate recovery.
E11STMGP-B32-2123	SW8260	Ethylbenzene	J	Low surrogate recovery. High internal standard recovery.
E11STMGP-B32-2123	SW8260	m-/p-Xylenes	J	Low surrogate recovery. High internal standard recovery.
E11STMGP-B32-2123	SW8260	o-Xylene	J	Low surrogate recovery. High internal standard recovery.
E11STMGP-B32-2123	SW8260	Isopropylbenzene	J	Low surrogate recovery. High internal standard recovery.
E11STMGP-B32-2123	SW8260	All non-detected volatile organic compounds	UJ	Low surrogate recovery.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B32-2123	SW6010	Silver	R	MS/MSD recoveries in SDG < 10%.
E11STMGP-B32-2123	SW6010	Arsenic	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B32-2123DL	SW8260	Benzene	J	Low internal standard recovery.
E11STMGP-B32-2123DL	SW8260	Carbon tetrachloride	UJ	Low internal standard recovery.
E11STMGP-B32-2123DL	SW8260	1,2-Dichloroethane	UJ	Low internal standard recovery.
E11STMGP-B32-2123DL	SW8260	Trichloroethene	UJ	Low internal standard recovery.
E11STMGP-B32-2123DL	SW8260	1,2-Dichloropropane	UJ	Low internal standard recovery.
E11STMGP-B32-2123DL	SW8260	Bromodichloromethane	UJ	Low internal standard recovery.
E11STMGP-B32-2123DL	SW8260	4-Methyl-2-pentanone	UJ	Low internal standard recovery.
E11STMGP-B32-2123DL	SW8260	Toluene	UJ	Low internal standard recovery.
E11STMGP-B32-2123DL	SW8260	trans-1,3-Dichloropropene	UJ	Low internal standard recovery.
E11STMGP-B32-2123DL	SW8260	cis-1,3-Dichloropropene	UJ	Low internal standard recovery.
E11STMGP-B32-2123DL	SW8260	1,1,2-Trichloroethane	UJ	Low internal standard recovery.
E11STMGP-B32-2123DL	SW8260	2-Hexanone	UJ	Low internal standard recovery.
E11STMGP-B32-2123DL	SW8260	Dibromochloromethane	UJ	Low internal standard recovery.
E11STMGP-B32-2123DL	SW8260	1,2-Dibromoethane	UJ	Low internal standard recovery.
E11STMGP-B32-3537	SW8260	Carbon disulfide	J	Continuing calibration %D > 20%. Low internal standard recovery. Low surrogate recovery.
E11STMGP-B32-3537	SW8260	Methylene chloride	UJ	Detected in associated method blank. Low internal standard recovery. Low surrogate recovery.
E11STMGP-B32-3537	SW8260	Benzene	J	Low internal standard recovery. Low surrogate recovery.
E11STMGP-B32-3537	SW8260	Ethylbenzene	J	Low internal standard recovery. Low surrogate recovery.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B32-3537	SW8260	m-/p-Xylenes	J	Low internal standard recovery. Low surrogate recovery.
E11STMGP-B32-3537	SW8260	o-Xylene	J	Low internal standard recovery. Low surrogate recovery.
E11STMGP-B32-3537	SW8260	Dichlorodifluoromethane	R	Internal standard recovery less than 25% of associated 12 hour standard. Low surrogate recovery.
E11STMGP-B32-3537	SW8260	Chloromethane	R	Internal standard recovery less than 25% of associated 12 hour standard. Low surrogate recovery.
E11STMGP-B32-3537	SW8260	Vinyl chloride	R	Internal standard recovery less than 25% of associated 12 hour standard. Low surrogate recovery.
E11STMGP-B32-3537	SW8260	Bromomethane	R	Internal standard recovery less than 25% of associated 12 hour standard. Low surrogate recovery.
E11STMGP-B32-3537	SW8260	Chloroethane	R	Internal standard recovery less than 25% of associated 12 hour standard. Low surrogate recovery.
E11STMGP-B32-3537	SW8260	Trichlorofluoromethane	R	Internal standard recovery less than 25% of associated 12 hour standard. Low surrogate recovery.
E11STMGP-B32-3537	SW8260	1,1,2-Trichlorotrifluoroethane	R	Internal standard recovery less than 25% of associated 12 hour standard. Low surrogate recovery.
E11STMGP-B32-3537	SW8260	1,1-Dichloroethene	R	Internal standard recovery less than 25% of associated 12 hour standard. Low surrogate recovery.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B32-3537	SW8260	Acetone	R	Internal standard recovery less than 25% of associated 12 hour standard. Low surrogate recovery.
E11STMGP-B32-3537	SW8260	Methyl tert-butyl ether	R	Internal standard recovery less than 25% of associated 12 hour standard. Low surrogate recovery.
E11STMGP-B32-3537	SW8260	Methyl acetate	R	Internal standard recovery less than 25% of associated 12 hour standard. Low surrogate recovery.
E11STMGP-B32-3537	SW8260	trans-1,2-Dichloroethene	R	Internal standard recovery less than 25% of associated 12 hour standard. Low surrogate recovery.
E11STMGP-B32-3537	SW8260	1,1-Dichloroethane	R	Internal standard recovery less than 25% of associated 12 hour standard. Low surrogate recovery.
E11STMGP-B32-3537	SW8260	Cyclohexane	R	Internal standard recovery less than 25% of associated 12 hour standard. Low surrogate recovery.
E11STMGP-B32-3537	SW8260	2-Butanone	R	Internal standard recovery less than 25% of associated 12 hour standard. Low surrogate recovery.
E11STMGP-B32-3537	SW8260	2,2-Dichloropropane	R	Internal standard recovery less than 25% of associated 12 hour standard. Low surrogate recovery.
E11STMGP-B32-3537	SW8260	cis-1,2-Dichloroethene	R	Internal standard recovery less than 25% of associated 12 hour standard. Low surrogate recovery.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B32-3537	SW8260	Chloroform	R	Internal standard recovery less than 25% of associated 12 hour standard. Low surrogate recovery.
E11STMGP-B32-3537	SW8260	1,1,1-Trichloroethane	R	Internal standard recovery less than 25% of associated 12 hour standard. Low surrogate recovery.
E11STMGP-B32-3537	SW8260	Methylcyclohexane	R	Internal standard recovery less than 25% of associated 12 hour standard. Low surrogate recovery.
E11STMGP-B32-3537	SW8260	1,2-Dichloroethane	UJ	Low internal standard recovery. Low surrogate recovery.
E11STMGP-B32-3537	SW8260	Trichloroethene	UJ	Low internal standard recovery. Low surrogate recovery.
E11STMGP-B32-3537	SW8260	1,2-Dichloropropane	UJ	Low internal standard recovery. Low surrogate recovery.
E11STMGP-B32-3537	SW8260	Bromodichloromethane	UJ	Low internal standard recovery. Low surrogate recovery.
E11STMGP-B32-3537	SW8260	4-Methyl-2-pentanone	UJ	Low internal standard recovery. Low surrogate recovery.
E11STMGP-B32-3537	SW8260	Toluene	UJ	Low internal standard recovery. Low surrogate recovery.
E11STMGP-B32-3537	SW8260	trans-1,3-Dichlororpropene	UJ	Low internal standard recovery. Low surrogate recovery.
E11STMGP-B32-3537	SW8260	cis-1,3-Dichloropropene	UJ	Low internal standard recovery. Low surrogate recovery.
E11STMGP-B32-3537	SW8260	1,1,2-Trichloroethane	UJ	Low internal standard recovery. Low surrogate recovery.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B32-3537	SW8260	2-Hexanone	UJ	Low internal standard recovery. Low surrogate recovery.
E11STMGP-B32-3537	SW8260	Dibromochloromethane	UJ	Low internal standard recovery. Low surrogate recovery.
E11STMGP-B32-3537	SW8260	1,2-Dibromomethane	UJ	Low internal standard recovery. Low surrogate recovery.
E11STMGP-B32-3537	SW8260	Tetrachloroethene	UJ	Low internal standard recovery. Low surrogate recovery.
E11STMGP-B32-3537	SW8260	Chlorobenzene	UJ	Low internal standard recovery. Low surrogate recovery.
E11STMGP-B32-3537	SW8260	Styrene	UJ	Low internal standard recovery. Low surrogate recovery.
E11STMGP-B32-3537	SW8260	Bromoform	UJ	Low internal standard recovery. Low surrogate recovery.
E11STMGP-B32-3537	SW6010	Silver	R	MS/MSD recoveries in SDG < 10%.
E11STMGP-B32-3537	SW6010	Arsenic	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B32-57	SW8260	Acetone	J	Initial calibration %RSD >15%. Low internal standard recoveries.
E11STMGP-B32-57	SW8260	Carbon disulfide	J	Continuing calibration %D > 20%. Low internal standard recoveries.
E11STMGP-B32-57	SW8260	Methylene chloride	UJ	Detected in associated method blank. Low internal standard recoveries.
E11STMGP-B32-57	SW8260	Benzene	J	Low internal standard recoveries.
E11STMGP-B32-57	SW8260	Toluene	J	Low internal standard recoveries.
E11STMGP-B32-57	SW8260	Dichlorodifluoromethane	UJ	Low internal standard recovery.
E11STMGP-B32-57	SW8260	Chloromethane	UJ	Low internal standard recovery.
E11STMGP-B32-57	SW8260	Vinyl chloride	UJ	Low internal standard recovery.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B32-57	SW8260	Bromomethane	UJ	Low internal standard recovery.
E11STMGP-B32-57	SW8260	Chloroethane	UJ	Low internal standard recovery.
E11STMGP-B32-57	SW8260	Trichlorofluoromethane	UJ	Low internal standard recovery.
E11STMGP-B32-57	SW8260	1,1,2-Trichlorotrifluoroethane	UJ	Low internal standard recovery.
E11STMGP-B32-57	SW8260	1,1-Dichloroethene	UJ	Low internal standard recovery.
E11STMGP-B32-57	SW8260	Methyl tert-butyl ether	UJ	Low internal standard recovery.
E11STMGP-B32-57	SW8260	Methyl acetate	UJ	Low internal standard recovery.
E11STMGP-B32-57	SW8260	trans-1,2-Dichloroethene	UJ	Low internal standard recovery.
E11STMGP-B32-57	SW8260	1,1-Dichloroethane	UJ	Low internal standard recovery.
E11STMGP-B32-57	SW8260	Cyclohexane	UJ	Low internal standard recovery.
E11STMGP-B32-57	SW8260	2-Butanone	UJ	Low internal standard recovery.
E11STMGP-B32-57	SW8260	Carbon tetrachloride	UJ	Low internal standard recovery.
E11STMGP-B32-57	SW8260	2,2-Dichloropropane	UJ	Low internal standard recovery.
E11STMGP-B32-57	SW8260	cis-1,2-Dichloroethene	UJ	Low internal standard recovery.
E11STMGP-B32-57	SW8260	Chloroform	UJ	Low internal standard recovery.
E11STMGP-B32-57	SW8260	1,1,1-Trichloroethane	UJ	Low internal standard recovery.
E11STMGP-B32-57	SW8260	Methylcyclohexane	UJ	Low internal standard recovery.
E11STMGP-B32-57	SW8260	1,2-Dichloroethane	UJ	Low internal standard recovery.
E11STMGP-B32-57	SW8260	Trichloroethene	UJ	Low internal standard recovery.
E11STMGP-B32-57	SW8260	1,2-Dichloropropane	UJ	Low internal standard recovery.
E11STMGP-B32-57	SW8260	Bromodichloromethane	UJ	Low internal standard recovery.
E11STMGP-B32-57	SW8260	4-Methyl-2-pentanone	UJ	Low internal standard recovery.
E11STMGP-B32-57	SW8260	trans-1,3-Dichloropropene	UJ	Low internal standard recovery.
E11STMGP-B32-57	SW8260	cis-1,3-Dichloropropene	UJ	Low internal standard recovery.
E11STMGP-B32-57	SW8260	1,1,2-Trichloroethane	UJ	Low internal standard recovery.
E11STMGP-B32-57	SW8260	2-Hexanone	UJ	Low internal standard recovery.
E11STMGP-B32-57	SW8260	Dibromochloromethane	UJ	Low internal standard recovery.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B32-57	SW8260	1,2-Dibromoethane	UJ	Low internal standard recovery.
E11STMGP-B32-57	SW6010	Silver	R	MS/MSD recoveries in SDG < 10%.
E11STMGP-B32-57	SW6010	Arsenic	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B32-57RE	SW8260	Acetone	J	Initial calibration %RSD >15%.
E11STMGP-B32-57RE	SW8260	Methylene chloride	J	Initial calibration %RSD >15%.
E11STMGP-B33-45	SW8260	Acetone	J	Initial calibration %RSD >15%.
E11STMGP-B33-45	SW6010	Cadmium	UJ	CRDL recovery < 80%.
E11STMGP-B33-45	SW6010	Lead	J	CRDL recovery > 120%.
E11STMGP-B33-79	SW8270	Naphthalene	J	High MS/MSD recovery.
E11STMGP-B33-79	SW8270	2-Methylnaphthalene	J	High MS/MSD recovery.
E11STMGP-B33-79	SW8270	Acenaphthylene	J	High MS/MSD recovery.
E11STMGP-B33-79	SW8270	Acenaphthene	J	High MS/MSD recovery.
E11STMGP-B33-79	SW8270	Dibenzofuran	J	High MS/MSD recovery.
E11STMGP-B33-79	SW8270	Fluorene	J	High MS/MSD recovery.
E11STMGP-B33-79	SW8270	Anthracene	J	High MS/MSD recovery.
E11STMGP-B33-79	SW8270	Carbazole	J	High MS/MSD recovery.
E11STMGP-B33-79	SW8270	Fluoranthene	J	High MS/MSD recovery.
E11STMGP-B33-79	SW8270	Benzo(a)anthracene	J	High MS/MSD recovery.
E11STMGP-B33-79	SW8270	Benzo(b)fluoranthene	J	Low internal standard recovery. High MS/MSD recovery.
E11STMGP-B33-79	SW8270	Benzo(k)fluoranthene	J	Low internal standard recovery. High MS/MSD recovery.
E11STMGP-B33-79	SW8270	Benzo(a)pyrene	J	Low internal standard recovery. High MS/MSD recovery.
E11STMGP-B33-79	SW8270	Dibenz(a,h)anthracene	J	Low internal standard recovery.
E11STMGP-B33-79	SW8270	Benzo(g,h,i)perylene	J	Low internal standard recovery.
E11STMGP-B33-79	SW6010	Selenium	J	CRDL recovery > 120%.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B33-79DL	SW8270	Naphthalene	J	High MS/MSD recovery.
E11STMGP-B33-79DL	SW8270	2-Methylnaphthalene	J	High MS/MSD recovery.
E11STMGP-B33-79DL	SW8270	Acenaphthylene	J	High MS/MSD recovery.
E11STMGP-B33-79DL	SW8270	Acenaphthene	J	High MS/MSD recovery.
E11STMGP-B33-79DL	SW8270	Dibenzofuran	J	High MS/MSD recovery.
E11STMGP-B33-79DL	SW8270	Fluorene	J	High MS/MSD recovery.
E11STMGP-B33-79DL	SW8270	Anthracene	J	High MS/MSD recovery.
E11STMGP-B33-79DL	SW8270	Fluoranthene	J	High MS/MSD recovery.
E11STMGP-B33-79DL	SW8270	Benzo(a)anthracene	J	High MS/MSD recovery.
E11STMGP-B33-79DL	SW8270	Benzo(b)fluoranthene	J	High MS/MSD recovery.
E11STMGP-B33-79DL	SW8270	Benzo(k)fluoranthene	J	High MS/MSD recovery.
E11STMGP-B33-79DL	SW8270	Benzo(a)pyrene	J	High MS/MSD recovery.
E11STMGP-B33-79DL	SW8270	2,4-Dinitrotoluene	J	Continuing calibration %D > 20%. High MS/MSD recovery.
E11STMGP-B33-79DL	SW8270	2,4-Dinitrophenol	R	Continuing calibration %D > 90%.
E11STMGP-B33-79DL2	SW8270	Naphthalene	J	High MS/MSD recovery.
E11STMGP-B33-79DL2	SW8270	2-Methylnaphthalene	J	High MS/MSD recovery.
E11STMGP-B33-79DL2	SW8270	Acenaphthene	J	High MS/MSD recovery.
E11STMGP-B33-79DL2	SW8270	Fluorene	J	High MS/MSD recovery.
E11STMGP-B33-79DL2	SW8270	Anthracene	J	High MS/MSD recovery.
E11STMGP-B33-79DL2	SW8270	Fluoranthene	J	High MS/MSD recovery.
E11STMGP-B33-79DL	SW8270	Benzo(g,h,i)perylene	J	Continuing calibration %D > 20%.
E11STMGP-B34-1719	SW8270	Acenaphthene	J	High MS/MSD recoveries.
E11STMGP-B34-1719	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B34-1719	SW8270	Fluorene	J	High MS/MSD recoveries.
E11STMGP-B34-1719	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B34-1719	SW8270	Phenanthrene	J	High MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B34-1719	SW8270	Anthracene	J	High MS/MSD recoveries.
E11STMGP-B34-1719	SW8270	Di-n-butyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B34-1719	SW8270	Fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B34-1719	SW8270	Pyrene	J	High MS/MSD recoveries.
E11STMGP-B34-1719	SW8270	3,3'-Dichlorobenzidine	UJ	Low MS/MSD recoveries.
E11STMGP-B34-1719	SW8270	Benzo(a)anthracene	J	High MS/MSD recoveries.
E11STMGP-B34-1719	SW8270	Chrysene	J	High MS/MSD recoveries.
E11STMGP-B34-1719	SW8270	Di-n-octyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B34-1719	SW8270	Benzo(b)fluoranthene	J	High MS/MSD recoveries.
E11STMGP-B34-1719	SW8270	Benzo(k)fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B34-1719	SW8270	Benzo(a)pyrene	J	High MS/MSD recoveries.
E11STMGP-B34-1719	SW8270	Indeno(1,2,3-cd)pyrene	J	Low MS/MSD recoveries.
E11STMGP-B34-1719	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-B34-1719	SW8270	Benzo(g,h,i)perylene	J	Low MS/MSD recoveries.
E11STMGP-B34-1719	SW6010	Arsenic	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B34-1719	SW6010	Cadmium	J	CRDL recovery > 120%.
E11STMGP-B34-1719	SW6010	Chromium	J	CRDL recovery > 120%.
E11STMGP-B34-1719	SW6010	Silver	UJ	CRDL recovery < 80%.
E11STMGP-B34-1719DL	SW8270	Acenaphthene	J	High MS/MSD recoveries.
E11STMGP-B34-1719DL	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B34-1719DL	SW8270	Fluorene	J	High MS/MSD recoveries.
E11STMGP-B34-1719DL	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B34-1719DL	SW8270	Phenanthrene	J	High MS/MSD recoveries.
E11STMGP-B34-1719DL	SW8270	Anthracene	J	High MS/MSD recoveries.
E11STMGP-B34-1719DL	SW8270	Di-n-butyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B34-1719DL	SW8270	Fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B34-1719DL	SW8270	Pyrene	J	High MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B34-1719DL	SW8270	3,3'-Dichlorobenzidine	UJ	Low MS/MSD recoveries.
E11STMGP-B34-1719DL	SW8270	Benzo(a)anthracene	J	High MS/MSD recoveries.
E11STMGP-B34-1719DL	SW8270	Chrysene	J	High MS/MSD recoveries.
E11STMGP-B34-1719DL	SW8270	Di-n-octyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B34-1719DL	SW8270	Benzo(b)fluoranthene	J	High MS/MSD recoveries.
E11STMGP-B34-1719DL	SW8270	Benzo(k)fluoranthene	UJ	Low MS/MSD recoveries.
E11STMGP-B34-1719DL	SW8270	Benzo(a)pyrene	J	High MS/MSD recoveries.
E11STMGP-B34-1719DL	SW8270	Indeno(1,2,3-cd)pyrene	J	Low MS/MSD recoveries.
E11STMGP-B34-1719DL	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-B34-1719DL	SW8270	Benzo(g,h,i)perylene	J	Low MS/MSD recoveries.
E11STMGP-B34-57	SW8260	Benzene	J	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B34-57	SW8260	All non-detected volatile organic compounds	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B34-57	SW8270	Acenaphthene	J	High MS/MSD recoveries.
E11STMGP-B34-57	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B34-57	SW8270	Fluorene	J	High MS/MSD recoveries.
E11STMGP-B34-57	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B34-57	SW8270	Phenanthrene	J	High MS/MSD recoveries.
E11STMGP-B34-57	SW8270	Anthracene	J	High MS/MSD recoveries.
E11STMGP-B34-57	SW8270	Di-n-butyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B34-57	SW8270	Fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B34-57	SW8270	Pyrene	J	High MS/MSD recoveries.
E11STMGP-B34-57	SW8270	3,3'-Dichlorobenzidine	UJ	Low MS/MSD recoveries.
E11STMGP-B34-57	SW8270	Benzo(a)anthracene	J	High MS/MSD recoveries.
E11STMGP-B34-57	SW8270	Chrysene	J	High MS/MSD recoveries.
E11STMGP-B34-57	SW8270	Di-n-octyl phthalate	UJ	Low MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B34-57	SW8270	Benzo(b)fluoranthene	J	High MS/MSD recoveries.
E11STMGP-B34-57	SW8270	Benzo(k)fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B34-57	SW8270	Benzo(a)pyrene	J	High MS/MSD recoveries.
E11STMGP-B34-57	SW8270	Indeno(1,2,3-cd)pyrene	J	Low MS/MSD recoveries.
E11STMGP-B34-57	SW8270	Dibenz(a,h)anthracene	J	Low MS/MSD recoveries.
E11STMGP-B34-57	SW8270	Benzo(g,h,i)perylene	J	Low MS/MSD recoveries.
E11STMGP-B34-57	SW6010	Arsenic	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B34-57	SW6010	Cadmium	J	CRDL recovery > 120%.
E11STMGP-B34-57	SW6010	Chromium	J	CRDL recovery > 120%.
E11STMGP-B34-57	SW6010	Silver	J	CRDL recovery < 80%.
E11STMGP-B34-57DL	SW8270	Acenaphthene	J	High MS/MSD recoveries.
E11STMGP-B34-57DL	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B34-57DL	SW8270	Fluorene	J	High MS/MSD recoveries.
E11STMGP-B34-57DL	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B34-57DL	SW8270	Phenanthrene	J	High MS/MSD recoveries.
E11STMGP-B34-57DL	SW8270	Anthracene	J	High MS/MSD recoveries.
E11STMGP-B34-57DL	SW8270	Di-n-butyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B34-57DL	SW8270	Fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B34-57DL	SW8270	Pyrene	J	High MS/MSD recoveries.
E11STMGP-B34-57DL	SW8270	3,3'-Dichlorobenzidine	UJ	Low MS/MSD recoveries.
E11STMGP-B34-57DL	SW8270	Benzo(a)anthracene	J	High MS/MSD recoveries.
E11STMGP-B34-57DL	SW8270	Chrysene	J	High MS/MSD recoveries.
E11STMGP-B34-57DL	SW8270	Di-n-octyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B34-57DL	SW8270	Benzo(b)fluoranthene	J	High MS/MSD recoveries.
E11STMGP-B34-57DL	SW8270	Benzo(k)fluoranthene	J	Low MS/MSD recoveries.
E11STMGP-B34-57DL	SW8270	Benzo(a)pyrene	J	High MS/MSD recoveries.
E11STMGP-B34-57DL	SW8270	Indeno(1,2,3-cd)pyrene	J	Low MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B34-57DL	SW8270	Dibenz(a,h)anthracene	J	Low MS/MSD recoveries.
E11STMGP-B34-57DL	SW8270	Benzo(g,h,i)perylene	J	Low MS/MSD recoveries.
E11STMGP-B34-57RE	SW8260	Benzene	J	Continuing calibration %D > 20%. Low internal standard recovery.
E11STMGP-B34-57RE	SW8260	Isopropylbenzene	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B34-57RE	SW8260	1,1,2,2-Tetrachloroethane	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B34-57RE	SW8260	1,3-Dichlorobenzene	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B34-57RE	SW8260	1,4-Dichlorobenzene	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B34-57RE	SW8260	1,2-Dichlorobenzene	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B34-57RE	SW8260	1,2-Dibromo-3-chloropropane	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B34-57RE	SW8260	1,2,4-Trichlorobenzene	R	Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-B34-57RE	SW8260	All non-detected volatile organic compounds (except those flagged “R”)	UJ	Low internal standard recovery.
E11STMGP-B35-57	SW8260	1,2-Dibromo-3-chloropropane	R	Initial calibration RRF < 0.050 and continuing calibration RRF < 0.050.
E11STMGP-B35-57	SW8260	All non-detected volatile organic compounds	UJ	Low MS/MSD recoveries.
E11STMGP-B35-57	SW8260	Benzene	J	Low MS/MSD recoveries.
E11STMGP-B35-57	SW8260	Toluene	J	Low MS/MSD recoveries.
E11STMGP-B35-57	SW8260	Ethylbenzene	J	Low MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B35-57	SW8260	m-/p-Xylenes	J	Low MS/MSD recoveries.
E11STMGP-B35-57	SW8260	o-Xylene	J	Low MS/MSD recoveries.
E11STMGP-B35-57	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B35-57	SW8270	4-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-B35-57	SW8270	Carbazole	UJ	Low MS/MSD recoveries.
E11STMGP-B35-57	SW8270	Benzo(g,h,i)perylene	J	Continuing calibration %D > 20%. Low MS/MSD recoveries.
E11STMGP-B35-57	SW6010	Lead	J	CRDL recovery < 80%. Low MS/MSD recoveries.
E11STMGP-B35-57	SW7471	Mercury	J	CRDL recovery > 120%.
E11STMGP-B35-57	SW6010	Silver	UJ	Low MS/MSD recoveries.
E11STMGP-B37-1113	SW8270	Naphthalene	J	High MS/MSD recovery.
E11STMGP-B37-1113	SW8270	2-Methylnaphthalene	J	High MS/MSD recovery.
E11STMGP-B37-1113	SW8270	Acenaphthylene	J	High MS/MSD recovery.
E11STMGP-B37-1113	SW8270	Dibenzofuran	J	High MS/MSD recovery.
E11STMGP-B37-1113	SW8270	Acenaphthene	J	High MS/MSD recovery.
E11STMGP-B37-1113	SW8270	Fluorene	J	High MS/MSD recovery.
E11STMGP-B37-1113	SW8270	Anthracene	J	High MS/MSD recovery.
E11STMGP-B37-1113	SW8270	Carbazole	J	High MS/MSD recovery.
E11STMGP-B37-1113	SW8270	Fluoranthene	J	High MS/MSD recovery.
E11STMGP-B37-1113	SW8270	Benzo(a)anthracene	J	High MS/MSD recovery.
E11STMGP-B37-1113	SW8270	Benzo(b)fluoranthene	J	Low internal standard recovery. High MS/MSD recovery.
E11STMGP-B37-1113	SW8270	Benzo(k)fluoranthene	J	Low internal standard recovery. High MS/MSD recovery.
E11STMGP-B37-1113	SW8270	Benzo(a)pyrene	J	Low internal standard recovery. High MS/MSD recovery.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B37-1113	SW8270	Dibenz(a,h)anthracene	UJ	Low internal standard recovery.
E11STMGP-B37-1113	SW8270	Benzo(g,h,i)perylene	J	Low internal standard recovery.
E11STMGP-B37-1113	SW6010	Selenium	J	CRDL recovery > 120%.
E11STMGP-B37-1113DL	SW8270	Naphthalene	J	High MS/MSD recovery.
E11STMGP-B37-1113DL	SW8270	2-Methylnaphthalene	J	High MS/MSD recovery.
E11STMGP-B37-1113DL	SW8270	Acenaphthylene	J	High MS/MSD recovery.
E11STMGP-B37-1113DL	SW8270	Dibenzofuran	J	High MS/MSD recovery.
E11STMGP-B37-1113DL	SW8270	Acenaphthene	J	High MS/MSD recovery.
E11STMGP-B37-1113DL	SW8270	Fluorene	J	High MS/MSD recovery.
E11STMGP-B37-1113DL	SW8270	Anthracene	J	High MS/MSD recovery.
E11STMGP-B37-1113DL	SW8270	Fluoranthene	J	High MS/MSD recovery.
E11STMGP-B37-1113DL	SW8270	Benzo(a)anthracene	J	High MS/MSD recovery.
E11STMGP-B37-1113DL	SW8270	Benzo(b)fluoranthene	J	High MS/MSD recovery.
E11STMGP-B37-1113DL	SW8270	Benzo(k)fluoranthene	J	High MS/MSD recovery.
E11STMGP-B37-1113DL	SW8270	Benzo(a)pyrene	J	High MS/MSD recovery.
E11STMGP-B37-1113DL	SW8270	2,4-Dinitrophenol	R	Continuing calibration %D > 90%.
E11STMGP-B37-1113DL	SW8270	Benzo(g,h,i)perylene	J	Continuing calibration %D > 20%.
E11STMGP-B37-1113DL2	SW8270	Naphthalene	J	High MS/MSD recovery.
E11STMGP-B37-1113DL2	SW8270	2-Methylnaphthalene	J	High MS/MSD recovery.
E11STMGP-B37-1113DL2	SW8270	Acenaphthene	J	High MS/MSD recovery.
E11STMGP-B37-1113DL2	SW8270	Fluorene	J	High MS/MSD recovery.
E11STMGP-B37-1113DL2	SW8270	Anthracene	J	High MS/MSD recovery.
E11STMGP-B37-1113DL2	SW8270	Fluoranthene	J	High MS/MSD recovery.
E11STMGP-B37-1113DL2	SW8270	Benzo(a)anthracene	J	High MS/MSD recovery.
E11STMGP-B37-57	SW8270	2,4-Dinitrophenol	R	Continuing calibration %D > 90%.
E11STMGP-B37-57	SW8270	Naphthalene	J	High MS/MSD recovery.
E11STMGP-B37-57	SW8270	2-Methylnaphthalene	J	High MS/MSD recovery.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B37-57	SW8270	Acenaphthylene	J	High MS/MSD recovery.
E11STMGP-B37-57	SW8270	Acenaphthene	J	High MS/MSD recovery.
E11STMGP-B37-57	SW8270	Fluorene	J	High MS/MSD recovery.
E11STMGP-B37-57	SW8270	Anthracene	J	High MS/MSD recovery.
E11STMGP-B37-57	SW8270	Fluoranthene	J	High MS/MSD recovery.
E11STMGP-B37-57	SW8270	Benzo(a)anthracene	J	High MS/MSD recovery.
E11STMGP-B37-57	SW8270	Benzo(b)fluoranthene	J	High MS/MSD recovery.
E11STMGP-B37-57	SW8270	Benzo(k)fluoranthene	J	High MS/MSD recovery.
E11STMGP-B37-57	SW8270	Benzo(a)pyrene	J	High MS/MSD recovery.
E11STMGP-B37-57	SW8270	Dibenzofuran	J	Continuing calibration %D > 20%. High MS/MSD recovery.
E11STMGP-B37-57	SW8270	Benzo(g,h,i)perylene	J	Continuing calibration %D > 20%.
E11STMGP-B37-57	SW6010	Selenium	UJ	CRDL recovery > 120%.
E11STMGP-B37-57DL	SW8270	Naphthalene	J	High MS/MSD recovery.
E11STMGP-B37-57DL	SW8270	2-Methylnaphthalene	J	High MS/MSD recovery.
E11STMGP-B37-57DL	SW8270	Fluorene	J	High MS/MSD recovery.
E11STMGP-B38-1012	SW8270	Naphthalene	J	High MS/MSD recovery.
E11STMGP-B38-1012	SW8270	2-Methylnaphthalene	J	High MS/MSD recovery.
E11STMGP-B38-1012	SW8270	Acenaphthylene	J	High MS/MSD recovery.
E11STMGP-B38-1012	SW8270	Acenaphthene	J	High MS/MSD recovery.
E11STMGP-B38-1012	SW8270	Dibenzofuran	J	High MS/MSD recovery.
E11STMGP-B38-1012	SW8270	Fluorene	J	High MS/MSD recovery.
E11STMGP-B38-1012	SW8270	Anthracene	J	High MS/MSD recovery.
E11STMGP-B38-1012	SW8270	Carbazole	J	High MS/MSD recovery.
E11STMGP-B38-1012	SW8270	Fluoranthene	J	High MS/MSD recovery.
E11STMGP-B38-1012	SW8270	Benzo(a)anthracene	J	High MS/MSD recovery.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B38-1012	SW8270	Benzo(b)fluoranthene	J	Low internal standard recovery. High MS/MSD recovery.
E11STMGP-B38-1012	SW8270	Benzo(k)fluoranthene	J	Low internal standard recovery. High MS/MSD recovery.
E11STMGP-B38-1012	SW8270	Benzo(a)pyrene	J	Low internal standard recovery. High MS/MSD recovery.
E11STMGP-B38-1012	SW8270	Dibenz(a,h)anthracene	J	Low internal standard recovery.
E11STMGP-B38-1012	SW8270	Benzo(g,h,i)perylene	J	Low internal standard recovery.
E11STMGP-B38-1012	SW6010	Selenium	J	CRDL recovery > 120%.
E11STMGP-B38-1012DL	SW8270	Naphthalene	J	High MS/MSD recovery.
E11STMGP-B38-1012DL	SW8270	2-Methylnaphthalene	J	High MS/MSD recovery.
E11STMGP-B38-1012DL	SW8270	Acenaphthylene	J	High MS/MSD recovery.
E11STMGP-B38-1012DL	SW8270	Acenaphthene	J	High MS/MSD recovery.
E11STMGP-B38-1012DL	SW8270	Fluorene	J	High MS/MSD recovery.
E11STMGP-B38-1012DL	SW8270	Anthracene	J	High MS/MSD recovery.
E11STMGP-B38-1012DL	SW8270	Carbazole	J	High MS/MSD recovery.
E11STMGP-B38-1012DL	SW8270	Fluoranthene	J	High MS/MSD recovery.
E11STMGP-B38-1012DL	SW8270	Benzo(a)anthracene	J	High MS/MSD recovery.
E11STMGP-B38-1012DL	SW8270	Benzo(b)fluoranthene	J	High MS/MSD recovery.
E11STMGP-B38-1012DL	SW8270	Benzo(k)fluoranthene	J	High MS/MSD recovery.
E11STMGP-B38-1012DL	SW8270	Benzo(a)pyrene	J	High MS/MSD recovery.
E11STMGP-B38-1012DL	SW8270	2,4-Dinitrophenol	R	Continuing calibration %D > 90%.
E11STMGP-B38-1012DL	SW8270	Dibenzofuran	J	Continuing calibration %D > 20%. High MS/MSD recovery.
E11STMGP-B38-1012DL	SW8270	Dibenz(a,h)anthracene	J	Continuing calibration %D > 20%.
E11STMGP-B38-1012DL	SW8270	Benzo(g,h,i)perylene	J	Continuing calibration %D > 20%.
E11STMGP-B38-1012DL2	SW8270	Naphthalene	J	High MS/MSD recovery.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B38-1012DL2	SW8270	2-Methylnaphthalene	J	High MS/MSD recovery.
E11STMGP-B38-1012DL2	SW8270	Acenaphthylene	J	High MS/MSD recovery.
E11STMGP-B38-1012DL2	SW8270	Acenaphthene	J	High MS/MSD recovery.
E11STMGP-B38-1012DL2	SW8270	Dibenzofuran	J	High MS/MSD recovery.
E11STMGP-B38-1012DL2	SW8270	Fluorene	J	High MS/MSD recovery.
E11STMGP-B38-1012DL2	SW8270	Anthracene	J	High MS/MSD recovery.
E11STMGP-B38-1012DL2	SW8270	Fluoranthene	J	High MS/MSD recovery.
E11STMGP-B38-1012DL2	SW8270	Benzo(a)anthracene	J	High MS/MSD recovery.
E11STMGP-B38-1012DL2	SW8270	Benzo(b)fluoranthene	J	High MS/MSD recovery.
E11STMGP-B38-1012DL2	SW8270	Benzo(a)pyrene	J	High MS/MSD recovery.
E11STMGP-B38-1618	SW8260	Carbon disulfide	J	Initial calibration %RSD >15%.
E11STMGP-B38-1618	SW8260	Methylene chloride	UJ	Initial calibration %RSD >15% and continuing calibration %D >20. Detected in associated method blank
E11STMGP-B38-1618	SW8260	Methylcyclohexane	J	Initial calibration %RSD >15%.
E11STMGP-B38-1618	SW8270	Naphthalene	J	High MS/MSD recovery.
E11STMGP-B38-1618	SW8270	2-Methylnaphthalene	J	High MS/MSD recovery.
E11STMGP-B38-1618	SW8270	Acenaphthylene	J	High MS/MSD recovery.
E11STMGP-B38-1618	SW8270	Acenaphthene	J	High MS/MSD recovery.
E11STMGP-B38-1618	SW8270	Dibenzofuran	J	High MS/MSD recovery.
E11STMGP-B38-1618	SW8270	Fluorene	J	High MS/MSD recovery.
E11STMGP-B38-1618	SW8270	Anthracene	J	High MS/MSD recovery.
E11STMGP-B38-1618	SW8270	Fluoranthene	J	High MS/MSD recovery.
E11STMGP-B38-1618	SW8270	Benzo(a)anthracene	J	High MS/MSD recovery.
E11STMGP-B38-1618	SW8270	Benzo(b)fluoranthene	J	High MS/MSD recovery.
E11STMGP-B38-1618	SW8270	Benzo(k)fluoranthene	J	High MS/MSD recovery.
E11STMGP-B38-1618	SW8270	Benzo(a)pyrene	J	High MS/MSD recovery.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B38-1618	SW8270	2,4-Dinitrophenol	R	Continuing calibration %D > 90%.
E11STMGP-B38-1618	SW8270	Benzo(g,h,i)perylene	J	Continuing calibration %D > 20%.
E11STMGP-B38-1618	SW6010	Selenium	J	CRDL recovery > 120%.
E11STMGP-B39-1921	SW8260	Carbon disulfide	J	Initial calibration %RSD >15%.
E11STMGP-B39-1921	SW8270	Naphthalene	J	High MS/MSD recoveries.
E11STMGP-B39-1921	SW8270	2-Methylnaphthalene	J	High MS/MSD recoveries.
E11STMGP-B39-1921	SW8270	Diethylphthalate	J	High MS/MSD recoveries.
E11STMGP-B39-1921	SW8270	Di-n-butylphthalate	J	High MS/MSD recoveries.
E11STMGP-B39-1921	SW8270	Fluoranthene	J	High MS/MSD recoveries.
E11STMGP-B39-1921	SW6010	Selenium	J	CRDL recovery > 120%.
E11STMGP-B41-35	SW8260	1,2-Dibromo-3-chloropropane	R	Initial calibration RRF < 0.050 and continuing calibration RRF < 0.050. Low MS/MSD recoveries.
E11STMGP-B41-35	SW8260	All non-detected volatile organic compounds	UJ	Low MS/MSD recoveries.
E11STMGP-B41-35	SW8260	Benzene	J	Low MS/MSD recoveries.
E11STMGP-B41-35	SW8260	Toluene	J	Low MS/MSD recoveries.
E11STMGP-B41-35	SW8260	Ethylbenzene	J	Low MS/MSD recoveries.
E11STMGP-B41-35	SW8260	m-/p-Xylenes	J	Low MS/MSD recoveries.
E11STMGP-B41-35	SW8260	o-Xylene	J	Low MS/MSD recoveries.
E11STMGP-B41-35	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B41-35	SW8270	4-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-B41-35	SW8270	Carbazole	J	Low MS/MSD recoveries.
E11STMGP-B41-35	SW8270	Dibenz(a,h)anthracene	J	Continuing calibration %D > 20%.
E11STMGP-B41-35	SW8270	Benzo(g,h,i)perylene	J	Continuing calibration %D > 20%. Low MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B41-35	SW6010	Lead	J	CRDL recovery < 80%. Low MS/MSD recoveries.
E11STMGP-B41-35	SW7471	Mercury	J	CRDL recovery > 120%.
E11STMGP-B41-35	SW6010	Silver	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224	SW8260	Cyclohexane	J	Continuing calibration %D > 20%.
E11STMGP-B45-2224	SW8260	Methylcyclohexane	J	Continuing calibration %D > 20%.
E11STMGP-B45-2224	SW8270	2-Chlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224	SW8270	2-Methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224	SW8270	3-/4-Methylphenols	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224	SW8270	Nitrobenzene	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224	SW8270	2-Nitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224	SW8270	2,4-Dimethylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224	SW8270	bis(2-Chloroethoxy)methane	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224	SW8270	2,4-Dichlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224	SW8270	Naphthalene	J	High MS/MSD recoveries.
E11STMGP-B45-2224	SW8270	4-Chloroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224	SW8270	4-Chloro-3-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224	SW8270	2-Methylnaphthalene	J	High MS/MSD recoveries.
E11STMGP-B45-2224	SW8270	Hexachlorocyclopentadiene	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224	SW8270	2,4,6-Trichlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224	SW8270	2,4,5-Trichlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224	SW8270	2-Chloronaphthalene	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224	SW8270	2-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224	SW8270	Dimethylphthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224	SW8270	Acenaphthylene	J	High MS/MSD recoveries.
E11STMGP-B45-2224	SW8270	2,6-Dinitrotoluene	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224	SW8270	3-Nitroaniline	UJ	Low MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B45-2224	SW8270	Acenaphthene	J	High MS/MSD recoveries.
E11STMGP-B45-2224	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224	SW8270	2,4-Dinitrotoluene	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224	SW8270	4-Chlorophenyl-phenyl ether	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224	SW8270	Fluorene	J	High MS/MSD recoveries.
E11STMGP-B45-2224	SW8270	4-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224	SW8270	N-Nitrosodiphenylamine	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224	SW8270	4-Bromophenyl-phenyl ether	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224	SW8270	Hexachlorobenzene	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224	SW8270	Pentachlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224	SW8270	Carbazole	J	Low MS/MSD recoveries.
E11STMGP-B45-2224	SW8270	Di-n-butyl phthalate	J	High MS/MSD recoveries.
E11STMGP-B45-2224	SW8270	3,3'-Dichlorobenzidine	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224	SW8270	bis(2-Ethylhexyl)phthalate	J	High MS/MSD recoveries.
E11STMGP-B45-2224	SW8270	Indeno(1,2,3-cd)pyrene	J	Low MS/MSD recoveries.
E11STMGP-B45-2224	SW8270	Dibenz(a,h)anthracene	J	Low MS/MSD recoveries.
E11STMGP-B45-2224	SW6010	Arsenic	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B45-2224	SW6010	Barium	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B45-2224	SW6010	Lead	J	Serial dilution recovery in SDG is > 10%. CRDL standard > 120%. Low MS/MSD recovery. High PDS recovery.
E11STMGP-B45-2224	SW7471	Mercury	J	CRDL Standard >120%. Low MS/MSD recovery.
E11STMGP-B45-2224DL	SW8270	2-Chlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL	SW8270	2-Methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL	SW8270	3-/4-Methylphenols	UJ	Low MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B45-2224DL	SW8270	Nitrobenzene	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL	SW8270	2-Nitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL	SW8270	2,4-Dimethylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL	SW8270	bis(2-Chloroethoxy)methane	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL	SW8270	2,4-Dichlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL	SW8270	Naphthalene	J	High MS/MSD recoveries.
E11STMGP-B45-2224DL	SW8270	4-Chloroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL	SW8270	4-Chloro-3-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL	SW8270	2-Methylnaphthalene	J	High MS/MSD recoveries.
E11STMGP-B45-2224DL	SW8270	Hexachlorocyclopentadiene	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL	SW8270	2,4,6-Trichlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL	SW8270	2,4,5-Trichlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL	SW8270	2-Chloronaphthalene	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL	SW8270	2-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL	SW8270	Dimethylphthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL	SW8270	Acenaphthylene	J	High MS/MSD recoveries.
E11STMGP-B45-2224DL	SW8270	2,6-Dinitrotoluene	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL	SW8270	3-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL	SW8270	Acenaphthene	J	High MS/MSD recoveries.
E11STMGP-B45-2224DL	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL	SW8270	2,4-Dinitrotoluene	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL	SW8270	4-Chlorophenyl-phenyl ether	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL	SW8270	Fluorene	J	High MS/MSD recoveries.
E11STMGP-B45-2224DL	SW8270	4-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL	SW8270	N-Nitrosodiphenylamine	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL	SW8270	4-Bromophenyl-phenyl ether	UJ	Low MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B45-2224DL	SW8270	Hexachlorobenzene	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL	SW8270	Pentachlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL	SW8270	Carbazole	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL	SW8270	3,3'-Dichlorobenzidine	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL	SW8270	Indeno(1,2,3-cd)pyrene	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL	SW8270	Benzo(k)fluoranthene	J	Continuing calibration %D > 20%.
E11STMGP-B45-2224DL2	SW8270	2-Chlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL2	SW8270	2-Methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL2	SW8270	3-/4-Methylphenols	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL2	SW8270	Nitrobenzene	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL2	SW8270	2-Nitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL2	SW8270	2,4-Dimethylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL2	SW8270	bis(2-Chloroethoxy)methane	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL2	SW8270	2,4-Dichlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL2	SW8270	Naphthalene	J	High MS/MSD recoveries.
E11STMGP-B45-2224DL2	SW8270	4-Chloroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL2	SW8270	4-Chloro-3-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL2	SW8270	2-Methylnaphthalene	J	High MS/MSD recoveries.
E11STMGP-B45-2224DL2	SW8270	Hexachlorocyclopentadiene	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL2	SW8270	2,4,6-Trichlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL2	SW8270	2,4,5-Trichlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL2	SW8270	2-Chloronaphthalene	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL2	SW8270	2-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL2	SW8270	Dimethylphthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL2	SW8270	2,6-Dinitrotoluene	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL2	SW8270	3-Nitroaniline	UJ	Low MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B45-2224DL2	SW8270	Acenaphthene	J	High MS/MSD recoveries.
E11STMGP-B45-2224DL2	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL2	SW8270	2,4-Dinitrotoluene	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL2	SW8270	4-Chlorophenyl-phenyl ether	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL2	SW8270	Fluorene	J	High MS/MSD recoveries.
E11STMGP-B45-2224DL2	SW8270	4-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL2	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL2	SW8270	N-Nitrosodiphenylamine	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL2	SW8270	4-Bromophenyl-phenyl ether	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL2	SW8270	Hexachlorobenzene	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL2	SW8270	Pentachlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL2	SW8270	Carbazole	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL2	SW8270	3,3'-Dichlorobenzidine	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL2	SW8270	Indeno(1,2,3-cd)pyrene	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL2	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-B45-2224DL2	SW8270	Benzo(b)fluoranthene	UJ	Low internal standard recovery.
E11STMGP-B45-2224DL2	SW8270	Benzo(k)fluoranthene	UJ	Low internal standard recovery.
E11STMGP-B45-2224DL2	SW8270	Benzo(a)pyrene	UJ	Low internal standard recovery.
E11STMGP-B45-2224DL2	SW8270	Dibenz(a,h)anthracene	UJ	Low internal standard recovery.
E11STMGP-B45-2224DL2	SW8270	Benzo(g,h,i)perylene	UJ	Low internal standard recovery.
E11STMGP-B45-3234	SW8270	Benzo(k)fluoranthene	J	Continuing calibration %D > 20%.
E11STMGP-B45-3234	SW6010	Cadmium	J	CRDL recovery > 120%.
E11STMGP-B45-3234	SW6010	Chromium	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B45-3234	SW6010	Lead	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B45-3234	SW7471	Mercury	J	CRDL recovery > 120%.
E11STMGP-B45-3234DL	SW8270	Benzo(k)fluoranthene	J	Continuing calibration %D > 20%.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B45-79	SW8270	bis(2-Ethylhexyl)phthalate	UJ	Detected in associated equipment rinsate blank.
E11STMGP-B45-79	SW8270	2-Chlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79	SW8270	2-Methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79	SW8270	3-/4-Methylphenols	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79	SW8270	Nitrobenzene	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79	SW8270	2-Nitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79	SW8270	2,4-Dimethylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79	SW8270	bis(2-Chloroethoxy)methane	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79	SW8270	2,4-Dichlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79	SW8270	Naphthalene	J	High MS/MSD recoveries.
E11STMGP-B45-79	SW8270	4-Chloroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79	SW8270	4-Chloro-3-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79	SW8270	2-Methylnaphthalene	J	High MS/MSD recoveries.
E11STMGP-B45-79	SW8270	Hexachlorocyclopentadiene	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79	SW8270	2,4,6-Trichlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79	SW8270	2,4,5-Trichlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79	SW8270	2-Chloronaphthalene	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79	SW8270	2-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79	SW8270	Dimethylphthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79	SW8270	Acenaphthylene	J	High MS/MSD recoveries.
E11STMGP-B45-79	SW8270	2,6-Dinitrotoluene	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79	SW8270	3-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79	SW8270	Acenaphthene	J	High MS/MSD recoveries.
E11STMGP-B45-79	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79	SW8270	2,4-Dinitrotoluene	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79	SW8270	4-Chlorophenyl-phenyl ether	UJ	Low MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B45-79	SW8270	Fluorene	J	High MS/MSD recoveries.
E11STMGP-B45-79	SW8270	4-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79	SW8270	N-Nitrosodiphenylamine	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79	SW8270	4-Bromophenyl-phenyl ether	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79	SW8270	Hexachlorobenzene	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79	SW8270	Pentachlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79	SW8270	Carbazole	J	Low MS/MSD recoveries.
E11STMGP-B45-79	SW8270	Di-n-butyl phthalate	J	High MS/MSD recoveries.
E11STMGP-B45-79	SW8270	3,3'-Dichlorobenzidine	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79	SW8270	bis(2-Ethylhexyl)phthalate	J	High MS/MSD recoveries.
E11STMGP-B45-79	SW8270	Indeno(1,2,3-cd)pyrene	J	Low MS/MSD recoveries.
E11STMGP-B45-79	SW8270	Dibenz(a,h)anthracene	J	Low MS/MSD recoveries.
E11STMGP-B45-79	SW6010	Arsenic	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B45-79	SW6010	Barium	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B45-79	SW6010	Lead	J	Serial dilution recovery in SDG is > 10%. CRDL standard > 120%. Low MS/MSD recovery. High PDS recovery.
E11STMGP-B45-79DL	SW8270	2-Chlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79DL	SW8270	2-Methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79DL	SW8270	3-/4-Methylphenols	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79DL	SW8270	Nitrobenzene	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79DL	SW8270	2-Nitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79DL	SW8270	2,4-Dimethylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79DL	SW8270	bis(2-Chloroethoxy)methane	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79DL	SW8270	2,4-Dichlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79DL	SW8270	Naphthalene	J	High MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B45-79DL	SW8270	4-Chloroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79DL	SW8270	4-Chloro-3-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79DL	SW8270	2-Methylnaphthalene	J	High MS/MSD recoveries.
E11STMGP-B45-79DL	SW8270	Hexachlorocyclopentadiene	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79DL	SW8270	2,4,6-Trichlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79DL	SW8270	2,4,5-Trichlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79DL	SW8270	2-Chloronaphthalene	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79DL	SW8270	2-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79DL	SW8270	Dimethylphthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79DL	SW8270	Acenaphthylene	J	High MS/MSD recoveries.
E11STMGP-B45-79DL	SW8270	2,6-Dinitrotoluene	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79DL	SW8270	3-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79DL	SW8270	Acenaphthene	J	High MS/MSD recoveries.
E11STMGP-B45-79DL	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79DL	SW8270	2,4-Dinitrotoluene	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79DL	SW8270	4-Chlorophenyl-phenyl ether	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79DL	SW8270	Fluorene	J	High MS/MSD recoveries.
E11STMGP-B45-79DL	SW8270	4-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79DL	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79DL	SW8270	N-Nitrosodiphenylamine	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79DL	SW8270	4-Bromophenyl-phenyl ether	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79DL	SW8270	Hexachlorobenzene	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79DL	SW8270	Pentachlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79DL	SW8270	Carbazole	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79DL	SW8270	Di-n-butyl phthalate	J	High MS/MSD recoveries.
E11STMGP-B45-79DL	SW8270	3,3'-Dichlorobenzidine	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79DL	SW8270	Indeno(1,2,3-cd)pyrene	J	Low MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B45-79DL	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-B45-79DL	SW8270	Benzo(k)fluoranthene	J	Continuing calibration %D > 20%.
E11STMGP-B46-79	SW8270	bis(2-Ethylhexyl)phthalate	J	Continuing calibration %D > 20%.
E11STMGP-B46-79	SW7471	Mercury	J	CRDL Standard >120%.
E11STMGP-B46-79	SW6010	Cadmium	J	CRDL recovery > 120%.
E11STMGP-B46-79	SW6010	Chromium	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B46-79	SW6010	Lead	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-57-1012	SW8270	Benzo(k)fluoranthene	J	Continuing calibration %D > 20%.
E11STMGP-57-1012	SW6010	Cadmium	J	CRDL recovery > 120%.
E11STMGP-57-1012	SW6010	Chromium	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-57-1012	SW6010	Lead	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-57-1012	SW7471	Mercury	J	CRDL recovery > 120%.
E11STMGP-57-1012DL	SW8270	Benzo(k)fluoranthene	J	Continuing calibration %D > 20%.
E11STMGP-B60-810	SW8260	All non-detected volatile organic compounds	UJ	Low MS/MSD recoveries.
E11STMGP-B60-810	SW8260	Benzene	J	Low MS/MSD recoveries.
E11STMGP-B60-810	SW8260	Ethylbenzene	J	Low MS/MSD recoveries.
E11STMGP-B60-810	SW8260	m-/p-Xylenes	J	Low MS/MSD recoveries.
E11STMGP-B60-810	SW8260	o-Xylene	J	Low MS/MSD recoveries.
E11STMGP-B60-810	SW8260	Isopropylbenzene	J	Low MS/MSD recoveries.
E11STMGP-B60-810	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B60-810	SW8270	4-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-B60-810	SW8270	Carbazole	UJ	Low MS/MSD recoveries.
E11STMGP-B60-810	SW8270	Benzo(g,h,i)perylene	J	Continuing calibration %D > 20%. Low MS/MSD recoveries.
E11STMGP-B60-810	SW6010	Lead	J	CRDL recovery < 80%. Low MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-B60-810	SW7471	Mercury	J	CRDL recovery > 120%.
E11STMGP-B60-810	SW6010	Silver	UJ	Low MS/MSD recoveries.
E11STMGP-B60-810DL	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B60-810DL	SW8270	4-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-B60-810DL	SW8270	Carbazole	UJ	Low MS/MSD recoveries.
E11STMGP-B60-810DL	SW8270	Benzo(g,h,i)perylene	UJ	Low MS/MSD recoveries.
E11STMGP-B61-1416	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-B61-1416	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-B61-1416	SW8270	Phenanthrene	J	High MS/MSD recoveries.
E11STMGP-B61-1416	SW8270	Di-n-butyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B61-1416	SW8270	Fluoranthene	UJ	Low MS/MSD recoveries.
E11STMGP-B61-1416	SW8270	3,3'-Dichlorobenzidine	UJ	Low MS/MSD recoveries.
E11STMGP-B61-1416	SW8270	Di-n-octyl phthalate	UJ	Low MS/MSD recoveries.
E11STMGP-B61-1416	SW8270	Benzo(k)fluoranthene	UJ	Low MS/MSD recoveries.
E11STMGP-B61-1416	SW8270	Indeno(1,2,3-cd)pyrene	UJ	Low MS/MSD recoveries.
E11STMGP-B61-1416	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-B61-1416	SW8270	Benzo(g,h,i)perylene	UJ	Low MS/MSD recoveries.
E11STMGP-B61-1416	SW6010	Arsenic	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-B61-1416	SW6010	Cadmium	J	CRDL recovery > 120%.
E11STMGP-B61-1416	SW6010	Chromium	J	CRDL recovery > 120%.
E11STMGP-B61-1416	SW6010	Silver	UJ	CRDL recovery < 80%.
E11STMGP-SS05	SW8270	Hexachlorocyclopentadiene	UJ	Low MS/MSD recoveries.
E11STMGP-SS05	SW8270	Acenaphthylene	J	Low MS/MSD recoveries.
E11STMGP-SS05	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-SS05	SW8270	bis(2-Ethylhexyl)phthalate	J	Continuing calibration %D > 20%.
E11STMGP-SS05	SW8270	Indeno(1,2,3-cd)pyrene	J	Continuing calibration %D > 20%. Low MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-SS05	SW8270	Dibenz(a,h)anthracene	J	Low MS/MSD recoveries.
E11STMGP-SS05	SW8270	Benzo(g,h,i)perylene	J	Low MS/MSD recoveries.
E11STMGP-SS05	SW7471	Mercury	J	High MS/MSD recoveries. High PDS recovery.
E11STMGP-SS05	SW6010	Silver	J	High MS/MSD RPD value.
E11STMGP-SS05DL	SW8270	Hexachlorocyclopentadiene	UJ	Low MS/MSD recoveries.
E11STMGP-SS05DL	SW8270	Acenaphthylene	UJ	Low MS/MSD recoveries.
E11STMGP-SS05DL	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-SS05DL	SW8270	bis(2-Ethylhexyl)phthalate	J	Continuing calibration %D > 20%.
E11STMGP-SS05DL	SW8270	Indeno(1,2,3-cd)pyrene	J	Continuing calibration %D > 20%. Low MS/MSD recoveries.
E11STMGP-SS05DL	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-SS05DL	SW8270	Benzo(g,h,i)perylene	J	Low MS/MSD recoveries.
E11STMGP-SS06	SW8270	Hexachlorocyclopentadiene	UJ	Low MS/MSD recoveries.
E11STMGP-SS06	SW8270	Acenaphthylene	UJ	Low MS/MSD recoveries.
E11STMGP-SS06	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-SS06	SW8270	bis(2-Ethylhexyl)phthalate	J	Continuing calibration %D > 20%.
E11STMGP-SS06	SW8270	Indeno(1,2,3-cd)pyrene	J	Continuing calibration %D > 20%. Low MS/MSD recoveries.
E11STMGP-SS06	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-SS06	SW8270	Benzo(g,h,i)perylene	J	Low MS/MSD recoveries.
E11STMGP-SS06	SW7471	Mercury	J	High MS/MSD recoveries. High PDS recovery.
E11STMGP-SS06	SW6010	Silver	J	High MS/MSD RPD value.
E11STMGP-SS07	SW8270	Hexachlorocyclopentadiene	UJ	Low MS/MSD recoveries.
E11STMGP-SS07	SW8270	Acenaphthylene	UJ	Low MS/MSD recoveries.
E11STMGP-SS07	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-SS07	SW8270	bis(2-Ethylhexyl)phthalate	J	Continuing calibration %D > 20%.
E11STMGP-SS07	SW8270	Indeno(1,2,3-cd)pyrene	J	Continuing calibration %D > 20%. Low MS/MSD recoveries.
E11STMGP-SS07	SW8270	Dibenz(a,h)anthracene	J	Low MS/MSD recoveries.
E11STMGP-SS07	SW8270	Benzo(g,h,i)perylene	J	Low MS/MSD recoveries.
E11STMGP-SS07	SW7471	Mercury	J	High MS/MSD recoveries. High PDS recovery.
E11STMGP-SS07	SW6010	Silver	J	High MS/MSD RPD value.
E11STMGP-SS08	SW8270	Hexachlorocyclopentadiene	UJ	Low MS/MSD recoveries.
E11STMGP-SS08	SW8270	Acenaphthylene	J	Low MS/MSD recoveries.
E11STMGP-SS08	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-SS08	SW8270	bis(2-Ethylhexyl)phthalate	J	Continuing calibration %D > 20%.
E11STMGP-SS08	SW8270	Indeno(1,2,3-cd)pyrene	J	Continuing calibration %D > 20%. Low MS/MSD recoveries.
E11STMGP-SS08	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-SS08	SW8270	Benzo(g,h,i)perylene	J	Low MS/MSD recoveries.
E11STMGP-SS08	SW7471	Mercury	J	High MS/MSD recoveries. High PDS recovery.
E11STMGP-SS08	SW6010	Silver	J	High MS/MSD RPD value.
E11STMGP-SS09	SW8270	Hexachlorocyclopentadiene	UJ	Low MS/MSD recoveries.
E11STMGP-SS09	SW8270	Acenaphthylene	J	Low MS/MSD recoveries.
E11STMGP-SS09	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-SS09	SW8270	bis(2-Ethylhexyl)phthalate	J	Continuing calibration %D > 20%.
E11STMGP-SS09	SW8270	Indeno(1,2,3-cd)pyrene	J	Continuing calibration %D > 20%. Low MS/MSD recoveries.
E11STMGP-SS09	SW8270	Dibenz(a,h)anthracene	J	Low MS/MSD recoveries.
E11STMGP-SS09	SW8270	Benzo(g,h,i)perylene	J	Low MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-SS09	SW7471	Mercury	J	High MS/MSD recoveries. High PDS recovery.
E11STMGP-SS09	SW6010	Silver	J	High MS/MSD RPD value.
E11STMGP-SS09DL	SW8270	Hexachlorocyclopentadiene	UJ	Low MS/MSD recoveries.
E11STMGP-SS09DL	SW8270	Acenaphthylene	UJ	Low MS/MSD recoveries.
E11STMGP-SS09DL	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-SS09DL	SW8270	bis(2-Ethylhexyl)phthalate	J	Continuing calibration %D > 20%.
E11STMGP-SS09DL	SW8270	Indeno(1,2,3-cd)pyrene	J	Continuing calibration %D > 20%. Low MS/MSD recoveries.
E11STMGP-SS09DL	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-SS09DL	SW8270	Benzo(g,h,i)perylene	J	Low MS/MSD recoveries.
E11STMGP-SS10	SW8270	Hexachlorocyclopentadiene	UJ	Low MS/MSD recoveries.
E11STMGP-SS10	SW8270	Acenaphthylene	J	Low MS/MSD recoveries.
E11STMGP-SS10	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-SS10	SW8270	bis(2-Ethylhexyl)phthalate	J	Continuing calibration %D > 20%.
E11STMGP-SS10	SW8270	Indeno(1,2,3-cd)pyrene	J	Continuing calibration %D > 20%. Low MS/MSD recoveries.
E11STMGP-SS10	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-SS10	SW8270	Benzo(g,h,i)perylene	J	Low MS/MSD recoveries.
E11STMGP-SS10	SW7471	Mercury	J	High MS/MSD recoveries. High PDS recovery.
E11STMGP-SS10	SW6010	Silver	J	High MS/MSD RPD value.
E11STMGP-SS11	SW8270	Hexachlorocyclopentadiene	UJ	Low MS/MSD recoveries.
E11STMGP-SS11	SW8270	Acenaphthylene	J	Low MS/MSD recoveries.
E11STMGP-SS11	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-SS11	SW8270	bis(2-Ethylhexyl)phthalate	J	Continuing calibration %D > 20%.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-SS11	SW8270	Indeno(1,2,3-cd)pyrene	J	Continuing calibration %D > 20%. Low MS/MSD recoveries.
E11STMGP-SS11	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-SS11	SW8270	Benzo(g,h,i)perylene	J	Low MS/MSD recoveries.
E11STMGP-SS11	SW7471	Mercury	J	High MS/MSD recoveries. High PDS recovery.
E11STMGP-SS11	SW6010	Silver	J	High MS/MSD RPD value.
E11STMGP-SS12	SW8260	All non-detected volatile organic compounds	UJ	Low surrogate recovery.
E11STMGP-SS12	SW8270	Hexachlorocyclopentadiene	UJ	Low MS/MSD recoveries.
E11STMGP-SS12	SW8270	Acenaphthylene	J	Low MS/MSD recoveries.
E11STMGP-SS12	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-SS12	SW8270	bis(2-Ethylhexyl)phthalate	J	Continuing calibration %D > 20%.
E11STMGP-SS12	SW8270	Indeno(1,2,3-cd)pyrene	J	Continuing calibration %D > 20%. Low MS/MSD recoveries.
E11STMGP-SS12	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-SS12	SW8270	Benzo(g,h,i)perylene	J	Low MS/MSD recoveries.
E11STMGP-SS12	SW7471	Mercury	J	High MS/MSD recoveries. High PDS recovery.
E11STMGP-SS12	SW6010	Silver	J	High MS/MSD RPD value.
E11STMGP-SS12RE	SW8260	Isopropylbenzene	UJ	Low internal standard recovery.
E11STMGP-SS12RE	SW8260	1,1,2,2-Tetrachloroethane	UJ	Low internal standard recovery.
E11STMGP-SS12RE	SW8260	1,3-Dichlorobenzene	UJ	Low internal standard recovery.
E11STMGP-SS12RE	SW8260	1,4-Dichlorobenzene	UJ	Low internal standard recovery.
E11STMGP-SS12RE	SW8260	1,2-Dichlorobenzene	UJ	Low internal standard recovery.
E11STMGP-SS12RE	SW8260	1,2-Dibromo-3-chloropropane	UJ	Low internal standard recovery.
E11STMGP-SS12RE	SW8260	1,2,4-Trichlorobenzene	UJ	Low internal standard recovery.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-SS13	SW8270	Hexachlorocyclopentadiene	UJ	Low MS/MSD recoveries.
E11STMGP-SS13	SW8270	Acenaphthylene	J	Low MS/MSD recoveries.
E11STMGP-SS13	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-SS13	SW8270	bis(2-Ethylhexyl)phthalate	J	Continuing calibration %D > 20%.
E11STMGP-SS13	SW8270	Indeno(1,2,3-cd)pyrene	J	Continuing calibration %D > 20%. Low MS/MSD recoveries.
E11STMGP-SS13	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-SS13	SW8270	Benzo(g,h,i)perylene	J	Low MS/MSD recoveries.
E11STMGP-SS13	SW7471	Mercury	J	High MS/MSD recoveries. High PDS recovery.
E11STMGP-SS13	SW6010	Silver	J	High MS/MSD RPD value.
E11STMGP-SS14	SW8270	Hexachlorocyclopentadiene	UJ	Low MS/MSD recoveries.
E11STMGP-SS14	SW8270	Acenaphthylene	UJ	Low MS/MSD recoveries.
E11STMGP-SS14	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-SS14	SW8270	bis(2-Ethylhexyl)phthalate	J	Continuing calibration %D > 20%.
E11STMGP-SS14	SW8270	Indeno(1,2,3-cd)pyrene	J	Continuing calibration %D > 20%. Low MS/MSD recoveries.
E11STMGP-SS14	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-SS14	SW8270	Benzo(g,h,i)perylene	J	Low MS/MSD recoveries.
E11STMGP-SS14	SW7471	Mercury	J	High MS/MSD recoveries. High PDS recovery.
E11STMGP-SS14	SW6010	Silver	J	High MS/MSD RPD value.
E11STMGP-SS15	SW8270	Hexachlorocyclopentadiene	UJ	Low MS/MSD recoveries.
E11STMGP-SS15	SW8270	Acenaphthylene	UJ	Low MS/MSD recoveries.
E11STMGP-SS15	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-SS15	SW8270	bis(2-Ethylhexyl)phthalate	J	Continuing calibration %D > 20%.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-SS15	SW8270	Indeno(1,2,3-cd)pyrene	J	Continuing calibration %D > 20%. Low MS/MSD recoveries.
E11STMGP-SS15	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-SS15	SW8270	Benzo(g,h,i)perylene	J	Low MS/MSD recoveries.
E11STMGP-SS15	SW7471	Mercury	J	High MS/MSD recoveries. High PDS recovery.
E11STMGP-SS15	SW6010	Silver	J	High MS/MSD RPD value.
E11STMGP-SS16	SW8270	Hexachlorocyclopentadiene	UJ	Low MS/MSD recoveries.
E11STMGP-SS16	SW8270	Acenaphthylene	UJ	Low MS/MSD recoveries.
E11STMGP-SS16	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-SS16	SW8270	bis(2-Ethylhexyl)phthalate	J	Continuing calibration %D > 20%.
E11STMGP-SS16	SW8270	Indeno(1,2,3-cd)pyrene	J	Continuing calibration %D > 20%. Low MS/MSD recoveries.
E11STMGP-SS16	SW8270	Benzo(b)fluoranthene	J	Low internal standard recovery.
E11STMGP-SS16	SW8270	Benzo(k)fluoranthene	J	Low internal standard recovery.
E11STMGP-SS16	SW8270	Benzo(a)pyrene	J	Low internal standard recovery.
E11STMGP-SS16	SW8270	Dibenz(a,h)anthracene	J	Low internal standard recovery. Low MS/MSD recoveries.
E11STMGP-SS16	SW8270	Benzo(g,h,i)perylene	J	Low internal standard recovery. Low MS/MSD recoveries.
E11STMGP-SS16	SW7471	Mercury	J	High MS/MSD recoveries. High PDS recovery.
E11STMGP-SS16	SW6010	Silver	J	High MS/MSD RPD value.
E11STMGP-SS16DL	SW8270	Hexachlorocyclopentadiene	UJ	Low MS/MSD recoveries.
E11STMGP-SS16DL	SW8270	Acenaphthylene	J	Low MS/MSD recoveries.
E11STMGP-SS16DL	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-SS16DL	SW8270	Indeno(1,2,3-cd)pyrene	J	Continuing calibration %D > 20%. Low MS/MSD recoveries.
E11STMGP-SS16DL	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-SS16DL	SW8270	Benzo(g,h,i)perylene	J	Low MS/MSD recoveries.
E11STMGP-SS17	SW8270	Hexachlorocyclopentadiene	UJ	Low MS/MSD recoveries.
E11STMGP-SS17	SW8270	Acenaphthylene	J	Low MS/MSD recoveries.
E11STMGP-SS17	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-SS17	SW8270	Indeno(1,2,3-cd)pyrene	J	Continuing calibration %D > 20%. Low MS/MSD recoveries.
E11STMGP-SS17	SW8270	Benzo(b)fluoranthene	J	Low internal standard recovery.
E11STMGP-SS17	SW8270	Benzo(k)fluoranthene	J	Low internal standard recovery.
E11STMGP-SS17	SW8270	Benzo(a)pyrene	J	Low internal standard recovery.
E11STMGP-SS17	SW8270	Dibenz(a,h)anthracene	J	Low internal standard recovery. Low MS/MSD recoveries.
E11STMGP-SS17	SW8270	Benzo(g,h,i)perylene	J	Low internal standard recovery. Low MS/MSD recoveries.
E11STMGP-SS17	SW7471	Mercury	J	High MS/MSD recoveries. High PDS recovery.
E11STMGP-SS17	SW6010	Silver	J	High MS/MSD RPD value.
E11STMGP-SS17DL	SW8270	Hexachlorocyclopentadiene	UJ	Low MS/MSD recoveries.
E11STMGP-SS17DL	SW8270	Acenaphthylene	J	Low MS/MSD recoveries.
E11STMGP-SS17DL	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-SS17DL	SW8270	Indeno(1,2,3-cd)pyrene	J	Continuing calibration %D > 20%. Low MS/MSD recoveries.
E11STMGP-SS17DL	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-SS17DL	SW8270	Benzo(g,h,i)perylene	J	Low MS/MSD recoveries.
E11STMGP-SS18	SW8270	Hexachlorocyclopentadiene	UJ	Low MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-SS18	SW8270	Acenaphthylene	J	Low MS/MSD recoveries.
E11STMGP-SS18	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-SS18	SW8270	bis(2-Ethylhexyl)phthalate	J	Continuing calibration %D > 20%.
E11STMGP-SS18	SW8270	Indeno(1,2,3-cd)pyrene	J	Continuing calibration %D > 20%. Low MS/MSD recoveries.
E11STMGP-SS18	SW8270	Dibenz(a,h)anthracene	J	Low MS/MSD recoveries.
E11STMGP-SS18	SW8270	Benzo(g,h,i)perylene	J	Low MS/MSD recoveries.
E11STMGP-SS18	SW7471	Mercury	J	High MS/MSD recoveries. High PDS recovery.
E11STMGP-SS18	SW6010	Silver	J	High MS/MSD RPD value.
E11STMGP-SS18DL	SW8270	Hexachlorocyclopentadiene	UJ	Low MS/MSD recoveries.
E11STMGP-SS18DL	SW8270	Acenaphthylene	UJ	Low MS/MSD recoveries.
E11STMGP-SS18DL	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-SS18DL	SW8270	bis(2-Ethylhexyl)phthalate	J	Continuing calibration %D > 20%.
E11STMGP-SS18DL	SW8270	Indeno(1,2,3-cd)pyrene	J	Continuing calibration %D > 20%. Low MS/MSD recoveries.
E11STMGP-SS18DL	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-SS18DL	SW8270	Benzo(g,h,i)perylene	J	Low MS/MSD recoveries.
E11STMGP-SS19	SW8270	Hexachlorocyclopentadiene	UJ	Low MS/MSD recoveries.
E11STMGP-SS19	SW8270	Acenaphthylene	J	Low MS/MSD recoveries.
E11STMGP-SS19	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-SS19	SW8270	bis(2-Ethylhexyl)phthalate	J	Continuing calibration %D > 20%.
E11STMGP-SS19	SW8270	Indeno(1,2,3-cd)pyrene	J	Continuing calibration %D > 20%. Low MS/MSD recoveries.
E11STMGP-SS19	SW8270	Dibenz(a,h)anthracene	J	Low MS/MSD recoveries.
E11STMGP-SS19	SW8270	Benzo(g,h,i)perylene	J	Low MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-SS19	SW7471	Mercury	J	High MS/MSD recoveries. High PDS recovery.
E11STMGP-SS19	SW6010	Silver	J	High MS/MSD RPD value.
E11STMGP-SS20	SW8270	4-Nitrophenol	J	Initial calibration %RSD >15%.
E11STMGP-SS20	SW8270	Hexachlorocyclopentadiene	UJ	Low MS/MSD recoveries.
E11STMGP-SS20	SW8270	Acenaphthylene	J	Low MS/MSD recoveries.
E11STMGP-SS20	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-SS20	SW8270	Indeno(1,2,3-cd)pyrene	J	Continuing calibration %D > 20%. Low MS/MSD recoveries.
E11STMGP-SS20	SW8270	Dibenz(a,h)anthracene	J	Low MS/MSD recoveries.
E11STMGP-SS20	SW8270	Benzo(g,h,i)perylene	J	Low MS/MSD recoveries.
E11STMGP-SS20	SW7471	Mercury	J	High MS/MSD recoveries. High PDS recovery.
E11STMGP-SS20	SW6010	Silver	J	High MS/MSD RPD value.
E11STMGP-SS21	SW8270	Hexachlorocyclopentadiene	UJ	Low MS/MSD recoveries.
E11STMGP-SS21	SW8270	Acenaphthylene	J	Low MS/MSD recoveries.
E11STMGP-SS21	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-SS21	SW8270	bis(2-Ethylhexyl)phthalate	J	Continuing calibration %D > 20%.
E11STMGP-SS21	SW8270	Indeno(1,2,3-cd)pyrene	J	Continuing calibration %D > 20%. Low MS/MSD recoveries
E11STMGP-SS21	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-SS21	SW8270	Benzo(g,h,i)perylene	J	Low MS/MSD recoveries.
E11STMGP-SS21	SW7471	Mercury	J	High MS/MSD recoveries. High PDS recovery.
E11STMGP-SS21	SW6010	Silver	J	High MS/MSD RPD value.
E11STMGP-TT03-23	SW8260	Acetone	J	Initial calibration %RSD >15%.
E11STMGP-TT03-23	SW8270	2-Chlorophenol	UJ	Low MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-TT03-23	SW8270	2-Methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT03-23	SW8270	3-/4-Methylphenols	UJ	Low MS/MSD recoveries.
E11STMGP-TT03-23	SW8270	Nitrobenzene	UJ	Low MS/MSD recoveries.
E11STMGP-TT03-23	SW8270	2-Nitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT03-23	SW8270	2,4-Dimethylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT03-23	SW8270	bis(2-Chloroethoxy)methane	UJ	Low MS/MSD recoveries.
E11STMGP-TT03-23	SW8270	2,4-Dichlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT03-23	SW8270	Naphthalene	J	High MS/MSD recoveries.
E11STMGP-TT03-23	SW8270	4-Chloroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-TT03-23	SW8270	4-Chloro-3-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT03-23	SW8270	2-Methylnaphthalene	J	High MS/MSD recoveries.
E11STMGP-TT03-23	SW8270	Hexachlorocyclopentadiene	UJ	Low MS/MSD recoveries.
E11STMGP-TT03-23	SW8270	2,4,6-Trichlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT03-23	SW8270	2,4,5-Trichlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT03-23	SW8270	2-Chloronaphthalene	UJ	Low MS/MSD recoveries.
E11STMGP-TT03-23	SW8270	2-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-TT03-23	SW8270	Dimethylphthalate	UJ	Low MS/MSD recoveries.
E11STMGP-TT03-23	SW8270	2,6-Dinitrotoluene	UJ	Low MS/MSD recoveries.
E11STMGP-TT03-23	SW8270	3-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-TT03-23	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT03-23	SW8270	2,4-Dinitrotoluene	UJ	Low MS/MSD recoveries.
E11STMGP-TT03-23	SW8270	4-Chlorophenyl-phenyl ether	UJ	Low MS/MSD recoveries.
E11STMGP-TT03-23	SW8270	4-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-TT03-23	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT03-23	SW8270	N-Nitrosodiphenylamine	UJ	Low MS/MSD recoveries.
E11STMGP-TT03-23	SW8270	4-Bromophenyl-phenyl ether	UJ	Low MS/MSD recoveries.
E11STMGP-TT03-23	SW8270	Hexachlorobenzene	UJ	Low MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-TT03-23	SW8270	Pentachlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT03-23	SW8270	Carbazole	UJ	Low MS/MSD recoveries.
E11STMGP-TT03-23	SW8270	Di-n-butyl phthalate	J	High MS/MSD recoveries.
E11STMGP-TT03-23	SW8270	3,3'-Dichlorobenzidine	UJ	Low MS/MSD recoveries.
E11STMGP-TT03-23	SW8270	Indeno(1,2,3-cd)pyrene	UJ	Low MS/MSD recoveries.
E11STMGP-TT03-23	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-TT03-23	SW6010	Arsenic	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-TT03-23	SW6010	Barium	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-TT03-23	SW6010	Lead	J	Serial dilution recovery in SDG is > 10%. CRDL standard > 120%. Low MS/MSD recovery. High PDS recovery.
E11STMGP-TT03-23	SW7471	Mercury	J	CRDL Standard >120%. Low MS/MSD recovery.
E11STMGP-TT03-23DL	SW8082	Aroclor 1260	J	%D between columns is > 25%.
E11STMGP-TT04-45	SW8260	Chlorobenzene	UJ	Low MS/MSD recoveries.
E11STMGP-TT04-45	SW6010	Arsenic	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-TT05-45	SW8260	Methylene chloride	J	Continuing calibration %D > 20%.
E11STMGP-TT05-45	SW8270	2-Chlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45	SW8270	2-Methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45	SW8270	3-/4-Methylphenols	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45	SW8270	Nitrobenzene	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45	SW8270	2-Nitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45	SW8270	2,4-Dimethylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45	SW8270	bis(2-Chloroethoxy)methane	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45	SW8270	2,4-Dichlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45	SW8270	Naphthalene	J	High MS/MSD recoveries.
E11STMGP-TT05-45	SW8270	4-Chloroaniline	UJ	Low MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-TT05-45	SW8270	4-Chloro-3-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45	SW8270	2-Methylnaphthalene	J	High MS/MSD recoveries.
E11STMGP-TT05-45	SW8270	Hexachlorocyclopentadiene	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45	SW8270	2,4,6-Trichlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45	SW8270	2,4,5-Trichlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45	SW8270	2-Chloronaphthalene	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45	SW8270	2-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45	SW8270	Dimethylphthalate	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45	SW8270	Acenaphthylene	J	High MS/MSD recoveries.
E11STMGP-TT05-45	SW8270	2,6-Dinitrotoluene	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45	SW8270	3-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45	SW8270	Acenaphthene	J	High MS/MSD recoveries.
E11STMGP-TT05-45	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45	SW8270	2,4-Dinitrotoluene	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45	SW8270	4-Chlorophenyl-phenyl ether	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45	SW8270	Fluorene	J	High MS/MSD recoveries.
E11STMGP-TT05-45	SW8270	4-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45	SW8270	N-Nitrosodiphenylamine	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45	SW8270	4-Bromophenyl-phenyl ether	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45	SW8270	Hexachlorobenzene	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45	SW8270	Pentachlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45	SW8270	Carbazole	J	Low MS/MSD recoveries.
E11STMGP-TT05-45	SW8270	Di-n-butyl phthalate	J	High MS/MSD recoveries.
E11STMGP-TT05-45	SW8270	3,3'-Dichlorobenzidine	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45	SW8270	Indeno(1,2,3-cd)pyrene	J	Low MS/MSD recoveries.
E11STMGP-TT05-45	SW8270	Dibenz(a,h)anthracene	J	Low MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-TT05-45	SW6010	Arsenic	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-TT05-45	SW6010	Barium	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-TT05-45	SW6010	Lead	J	Serial dilution recovery in SDG is > 10%. CRDL standard > 120%. Low MS/MSD recovery. High PDS recovery.
E11STMGP-TT05-45	SW7471	Mercury	J	CRDL Standard >120%. Low MS/MSD recovery.
E11STMGP-TT05-45DL	SW8270	2-Chlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45DL	SW8270	2-Methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45DL	SW8270	3-/4-Methylphenols	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45DL	SW8270	Nitrobenzene	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45DL	SW8270	2-Nitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45DL	SW8270	2,4-Dimethylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45DL	SW8270	bis(2-Chloroethoxy)methane	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45DL	SW8270	2,4-Dichlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45DL	SW8270	4-Chloroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45DL	SW8270	4-Chloro-3-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45DL	SW8270	Hexachlorocyclopentadiene	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45DL	SW8270	2,4,6-Trichlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45DL	SW8270	2,4,5-Trichlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45DL	SW8270	2-Chloronaphthalene	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45DL	SW8270	2-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45DL	SW8270	Dimethylphthalate	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45DL	SW8270	2,6-Dinitrotoluene	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45DL	SW8270	3-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45DL	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45DL	SW8270	2,4-Dinitrotoluene	UJ	Low MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-TT05-45DL	SW8270	4-Chlorophenyl-phenyl ether	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45DL	SW8270	4-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45DL	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45DL	SW8270	N-Nitrosodiphenylamine	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45DL	SW8270	4-Bromophenyl-phenyl ether	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45DL	SW8270	Hexachlorobenzene	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45DL	SW8270	Pentachlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45DL	SW8270	Carbazole	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45DL	SW8270	Di-n-butyl phthalate	J	High MS/MSD recoveries.
E11STMGP-TT05-45DL	SW8270	3,3'-Dichlorobenzidine	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45DL	SW8270	Indeno(1,2,3-cd)pyrene	J	Low MS/MSD recoveries.
E11STMGP-TT05-45DL	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-TT05-45DL	SW8270	Benzo(k)fluoranthene	J	Continuing calibration %D > 20%.
E11STMGP-TT08-34	SW8260	Methylene chloride	J	Continuing calibration %D > 20%.
E11STMGP-TT08-34	SW8270	2-Chlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT08-34	SW8270	2-Methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT08-34	SW8270	3-/4-Methylphenols	UJ	Low MS/MSD recoveries.
E11STMGP-TT08-34	SW8270	Nitrobenzene	UJ	Low MS/MSD recoveries.
E11STMGP-TT08-34	SW8270	2-Nitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT08-34	SW8270	2,4-Dimethylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT08-34	SW8270	bis(2-Chloroethoxy)methane	UJ	Low MS/MSD recoveries.
E11STMGP-TT08-34	SW8270	2,4-Dichlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT08-34	SW8270	4-Chloroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-TT08-34	SW8270	4-Chloro-3-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT08-34	SW8270	Hexachlorocyclopentadiene	UJ	Low MS/MSD recoveries.
E11STMGP-TT08-34	SW8270	2,4,6-Trichlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT08-34	SW8270	2,4,5-Trichlorophenol	UJ	Low MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-TT08-34	SW8270	2-Chloronaphthalene	UJ	Low MS/MSD recoveries.
E11STMGP-TT08-34	SW8270	2-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-TT08-34	SW8270	Dimethylphthalate	UJ	Low MS/MSD recoveries.
E11STMGP-TT08-34	SW8270	Acenaphthylene	J	High MS/MSD recoveries.
E11STMGP-TT08-34	SW8270	2,6-Dinitrotoluene	UJ	Low MS/MSD recoveries.
E11STMGP-TT08-34	SW8270	3-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-TT08-34	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT08-34	SW8270	2,4-Dinitrotoluene	UJ	Low MS/MSD recoveries.
E11STMGP-TT08-34	SW8270	4-Chlorophenyl-phenyl ether	UJ	Low MS/MSD recoveries.
E11STMGP-TT08-34	SW8270	4-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-TT08-34	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT08-34	SW8270	N-Nitrosodiphenylamine	UJ	Low MS/MSD recoveries.
E11STMGP-TT08-34	SW8270	4-Bromophenyl-phenyl ether	UJ	Low MS/MSD recoveries.
E11STMGP-TT08-34	SW8270	Hexachlorobenzene	UJ	Low MS/MSD recoveries.
E11STMGP-TT08-34	SW8270	Pentachlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT08-34	SW8270	Carbazole	UJ	Low MS/MSD recoveries.
E11STMGP-TT08-34	SW8270	3,3'-Dichlorobenzidine	UJ	Low MS/MSD recoveries.
E11STMGP-TT08-34	SW8270	Indeno(1,2,3-cd)pyrene	J	Low MS/MSD recoveries.
E11STMGP-TT08-34	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-TT08-34	SW6010	Arsenic	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-TT08-34	SW6010	Barium	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-TT08-34	SW6010	Lead	J	Serial dilution recovery in SDG is > 10%. CRDL standard > 120%. Low MS/MSD recovery. High PDS recovery.
E11STMGP-TT08-34	SW7471	Mercury	J	CRDL Standard >120%. Low MS/MSD recovery.
E11STMGP-TT9-23	SW6010	Lead	J	CRDL Standard >120%.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-TT10-56	SW8260	1,2-Dibromo-3-chloropropane	R	Initial calibration RRF < 0.050 and continuing calibration RRF < 0.050. Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-TT10-56	SW8260	All non-detected volatile organic compounds	R	Low MS/MSD recoveries. Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-TT10-56	SW8260	Benzene	J	Low MS/MSD recoveries. Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-TT10-56	SW8260	Toluene	J	Low MS/MSD recoveries. Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-TT10-56	SW8260	Ethylbenzene	J	Low MS/MSD recoveries. Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-TT10-56	SW8260	m-/p-Xylenes	J	Low MS/MSD recoveries. Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-TT10-56	SW8260	o-Xylene	J	Low MS/MSD recoveries. Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-TT10-56	SW8260	Styrene	J	Low MS/MSD recoveries. Internal standard recovery less than 25% of associated 12 hour standard.
E11STMGP-TT10-56	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT10-56	SW8270	4-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-TT10-56	SW8270	Carbazole	UJ	Low MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-TT10-56	SW8270	Benzo(g,h,i)perylene	J	Continuing calibration %D > 20%. Low MS/MSD recoveries.
E11STMGP-TT10-56	SW6010	Lead	J	CRDL recovery < 80%. Low MS/MSD recoveries.
E11STMGP-TT10-56	SW7471	Mercury	J	CRDL recovery > 120%.
E11STMGP-TT10-56	SW6010	Silver	UJ	Low MS/MSD recoveries.
E11STMGP-TT10-56DL	SW8260	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT10-56DL	SW8260	4-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-TT10-56DL	SW8260	Carbazole	UJ	Low MS/MSD recoveries.
E11STMGP-TT10-56DL	SW8260	Benzo(g,h,i)perylene	UJ	Low MS/MSD recoveries.
E11STMGP-TT10-56DL	SW8260	Toluene	J	Initial calibration %RSD >15%.
E11STMGP-TT10-78	SW8260	1,2-Dibromo-3-chloropropane	R	Initial calibration RRF < 0.050 and continuing calibration RRF < 0.050.
E11STMGP-TT10-78	SW8260	All non-detected volatile organic compounds	UJ	Low MS/MSD recoveries.
E11STMGP-TT10-78	SW8260	Benzene	J	Low MS/MSD recoveries.
E11STMGP-TT10-78	SW8260	Toluene	J	Low MS/MSD recoveries.
E11STMGP-TT10-78	SW8260	Ethylbenzene	J	Low MS/MSD recoveries.
E11STMGP-TT10-78	SW8260	m-/p-Xylenes	J	Low MS/MSD recoveries.
E11STMGP-TT10-78	SW8260	o-Xylene	J	Low MS/MSD recoveries.
E11STMGP-TT10-78	SW8260	Isopropylbenzene	J	Low MS/MSD recoveries.
E11STMGP-TT10-78	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT10-78	SW8270	4-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-TT10-78	SW8270	Carbazole	J	Low MS/MSD recoveries.
E11STMGP-TT10-78	SW8270	Dibenz(a,h)anthracene	J	Continuing calibration %D > 20%.
E11STMGP-TT10-78	SW8270	Benzo(g,h,i)perylene	J	Continuing calibration %D > 20%. Low MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-TT10-78	SW6010	Lead	J	CRDL recovery < 80%. Low MS/MSD recoveries.
E11STMGP-TT10-78	SW7471	Mercury	J	CRDL recovery > 120%.
E11STMGP-TT10-78	SW6010	Silver	UJ	Low MS/MSD recoveries.
E11STMGP-TT10-78DL	SW8260	Toluene	J	Initial calibration %RSD >15%.
E11STMGP-TT10-78DL	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT10-78DL	SW8270	4-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-TT10-78DL	SW8270	Carbazole	UJ	Low MS/MSD recoveries.
E11STMGP-TT10-78DL	SW8270	Benzo(g,h,i)perylene	UJ	Low MS/MSD recoveries.
E11STMGP-TT10-78DL2	SW8260	Toluene	J	Initial calibration %RSD >15%.
E11STMGP-TT13-34	SW6010	Lead	J	CRDL recovery > 120%.
E11STMGP-TT13-34	SW8260	All reported volatile organic results	UJ	Two low surrogate recoveries.
E11STMGP-TT13-34	SW8270	TIC eluting at approximately 18.08 minutes.	U	Detected in the associated method blank.
E11STMGP-TT13-45	SW6010	Lead	J	CRDL recovery > 120%.
E11STMGP-TT13-45	SW7471	Mercury	J	CRDL recovery > 120%.
E11STMGP-TT14-34	SW8260	Methyl acetate	R	Continuing calibration %D > 90%. Low MS/MSD recoveries.
E11STMGP-TT14-34	SW8260	2-Hexanone	R	Continuing calibration %D > 90%. Low MS/MSD recoveries.
E11STMGP-TT14-34	SW8260	All non-detected volatile organic results	UJ	Low MS/MSD recoveries.
E11STMGP-TT14-34	SW7471	Mercury	J	Low PDS recovery in SDG. Serial dilution recovery > 10% in SDG.
E11STMGP-TT15-12	SW8260	Acetone	J	Initial calibration %RSD >15%.
E11STMGP-TT15-12	SW8260	Carbon disulfide	J	Continuing calibration %D > 20%.
E11STMGP-TT15-12	SW8260	Methylene chloride	U	Detected in associated method blank

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-TT15-12	SW8270	2-Methylnaphthalene	J	Continuing calibration %D > 20%.
E11STMGP-TT15-12DL	SW8260	Acetone	J	Initial calibration %RSD >15%.
E11STMGP-TT15-12DL	SW8260	Carbon disulfide	J	Continuing calibration %D > 20%.
E11STMGP-TT15-12DL	SW8260	Methylene chloride	U	Detected in associated method blank
E11STMGP-TT15-34	SW8260	Chlorobenzene	UJ	Low MS/MSD recoveries.
E11STMGP-TT15-34	SW6010	Arsenic	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-TT17-67	SW8260	Methyl acetate	R	Continuing calibration %D > 90%.
E11STMGP-TT17-67	SW8270	TIC eluting at approximately 14.60 minutes.	U	Detected in the associated method blank.
E11STMGP-TT17-67	SW8260	2-Hexanone	R	Continuing calibration %D > 90%.
E11STMGP-TT17-67	SW8270	bis(2-Ethylhexyl)phthalate	U	Detected in method blank.
E11STMGP-TT17-67	SW7471	Mercury	J	Low PDS recovery in SDG. Serial dilution recovery > 10% in SDG.
E11STMGP-TT18-34	SW8260	Benzene	J	Low surrogate recoveries
E11STMGP-TT18-34	SW8260	Styrene	J	Low surrogate recoveries
E11STMGP-TT18-34	SW8260	All non-detected volatile organic results	UJ	Low surrogate recoveries
E11STMGP-TT18-34	SW8270	Benzo(k)fluoranthene	J	Continuing calibration %D > 20%.
E11STMGP-TT18-34	SW6010	Lead	J	CRDL recovery > 120%.
E11STMGP-TT19-34	SW8260	All non-detected volatile organic results	UJ	Low MS/MSD recoveries.
E11STMGP-TT19-34	SW8260	1,2-Dibromo-3-chloropropane	R	Initial calibration RRF < 0.050 and continuing calibration RRF < 0.050.
E11STMGP-TT19-34	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT19-34	SW8270	4-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-TT19-34	SW8270	Carbazole	J	Low MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-TT19-34	SW8270	Dibenz(a,h)anthracene	J	Continuing calibration %D > 20%. Low MS/MSD recoveries.
E11STMGP-TT19-34	SW8270	Benzo(g,h,i)perylene	J	Continuing calibration %D > 20%.
E11STMGP-TT19-34	SW6010	Lead	J	CRDL recovery < 80%. Low MS/MSD recoveries.
E11STMGP-TT19-34	SW7471	Mercury	J	CRDL recovery > 120%.
E11STMGP-TT19-34	SW6010	Silver	UJ	Low MS/MSD recoveries.
E11STMGP-TT19-67	SW8260	1,2-Dibromo-3-chloropropane	R	Initial calibration RRF < 0.050 and continuing calibration RRF < 0.050.
E11STMGP-TT19-67	SW8260	All non-detected volatile organic results	UJ	Low MS/MSD recoveries.
E11STMGP-TT19-67	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT19-67	SW8270	4-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-TT19-67	SW8270	Carbazole	UJ	Low MS/MSD recoveries.
E11STMGP-TT19-67	SW8270	Dibenz(a,h)anthracene	J	Continuing calibration %D > 20%.
E11STMGP-TT19-67	SW8270	Benzo(g,h,i)perylene	J	Continuing calibration %D > 20%. Low MS/MSD recoveries.
E11STMGP-TT19-67	SW6010	Lead	J	CRDL recovery < 80%. Low MS/MSD recoveries.
E11STMGP-TT19-67	SW7471	Mercury	J	CRDL recovery > 120%.
E11STMGP-TT19-67	SW6010	Silver	UJ	Low MS/MSD recoveries.
E11STMGP-TT21-56	SW8260	All non-detected volatile organic results	UJ	Low MS/MSD recoveries.
E11STMGP-TT21-56	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT21-56	SW8270	4-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-TT21-56	SW8270	Carbazole	UJ	Low MS/MSD recoveries.
E11STMGP-TT21-56	SW8270	Dibenz(a,h)anthracene	J	Continuing calibration %D > 20%.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-TT21-56	SW8270	Benzo(g,h,i)perylene	J	Continuing calibration %D > 20%. Low MS/MSD recoveries.
E11STMGP-TT21-56	SW6010	Lead	J	CRDL recovery < 80%. Low MS/MSD recoveries.
E11STMGP-TT21-56	SW7471	Mercury	J	CRDL recovery > 120%.
E11STMGP-TT21-56	SW6010	Silver	UJ	Low MS/MSD recoveries.
E11STMGP-TT22-34	SW8260	Methyl acetate	R	Continuing calibration %D > 90%.
E11STMGP-TT22-34	SW8260	2-Hexanone	R	Continuing calibration %D > 90%.
E11STMGP-TT22-34	SW8270	TIC eluting at approximately 14.60 minutes.	U	Detected in the associated method blank.
E11STMGP-TT22-34	SW8270	bis(2-Ethylhexyl)phthalate	U	Detected in method blank.
E11STMGP-TT22-34	SW7471	Mercury	J	Low PDS recovery in SDG. Serial dilution recovery > 10% in SDG
E11STMGP-TT26-34	SW8260	Methylene chloride	J	Continuing calibration %D > 20%.
E11STMGP-TT26-34	SW8270	2-Chlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT26-34	SW8270	2-Methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT26-34	SW8270	3-/4-Methylphenols	UJ	Low MS/MSD recoveries.
E11STMGP-TT26-34	SW8270	Nitrobenzene	UJ	Low MS/MSD recoveries.
E11STMGP-TT26-34	SW8270	2-Nitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT26-34	SW8270	2,4-Dimethylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT26-34	SW8270	bis(2-Chloroethoxy)methane	UJ	Low MS/MSD recoveries.
E11STMGP-TT26-34	SW8270	2,4-Dichlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT26-34	SW8270	Naphthalene	J	High MS/MSD recoveries.
E11STMGP-TT26-34	SW8270	4-Chloroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-TT26-34	SW8270	4-Chloro-3-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT26-34	SW8270	Hexachlorocyclopentadiene	UJ	Low MS/MSD recoveries.
E11STMGP-TT26-34	SW8270	2,4,6-Trichlorophenol	UJ	Low MS/MSD recoveries.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-TT26-34	SW8270	2,4,5-Trichlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT26-34	SW8270	2-Chloronaphthalene	UJ	Low MS/MSD recoveries.
E11STMGP-TT26-34	SW8270	2-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-TT26-34	SW8270	Dimethylphthalate	UJ	Low MS/MSD recoveries.
E11STMGP-TT26-34	SW8270	Acenaphthylene	J	High MS/MSD recoveries.
E11STMGP-TT26-34	SW8270	2,6-Dinitrotoluene	UJ	Low MS/MSD recoveries.
E11STMGP-TT26-34	SW8270	3-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-TT26-34	SW8270	2,4-Dinitrophenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT26-34	SW8270	2,4-Dinitrotoluene	UJ	Low MS/MSD recoveries.
E11STMGP-TT26-34	SW8270	4-Chlorophenyl-phenyl ether	UJ	Low MS/MSD recoveries.
E11STMGP-TT26-34	SW8270	4-Nitroaniline	UJ	Low MS/MSD recoveries.
E11STMGP-TT26-34	SW8270	4,6-Dinitro-2-methylphenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT26-34	SW8270	N-Nitrosodiphenylamine	UJ	Low MS/MSD recoveries.
E11STMGP-TT26-34	SW8270	4-Bromophenyl-phenyl ether	UJ	Low MS/MSD recoveries.
E11STMGP-TT26-34	SW8270	Hexachlorobenzene	UJ	Low MS/MSD recoveries.
E11STMGP-TT26-34	SW8270	Pentachlorophenol	UJ	Low MS/MSD recoveries.
E11STMGP-TT26-34	SW8270	Carbazole	UJ	Low MS/MSD recoveries.
E11STMGP-TT26-34	SW8270	3,3'-Dichlorobenzidine	UJ	Low MS/MSD recoveries.
E11STMGP-TT26-34	SW8270	Indeno(1,2,3-cd)pyrene	J	Low MS/MSD recoveries.
E11STMGP-TT26-34	SW8270	Dibenz(a,h)anthracene	UJ	Low MS/MSD recoveries.
E11STMGP-TT26-34	SW6010	Arsenic	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-TT26-34	SW6010	Barium	J	Serial dilution recovery in SDG is > 10%.
E11STMGP-TT26-34	SW6010	Lead	J	Serial dilution recovery in SDG is > 10%. CRDL standard > 120%. Low MS/MSD recovery. High PDS recovery.
E11STMGP-TT26-34	SW7471	Mercury	J	CRDL Standard >120%. Low MS/MSD recovery.

Table 2: Qualified Analytical Data (continued)

Field Identification	Analytical Method	Analyte	Flag	Reason for Qualification
E11STMGP-RB01	SW8260	Acetone	J	Initial calibration %RSD >15%.
TRIPBLANK (VD050328.D)	SW8260	Acetone	J	Initial calibration %RSD >15%.
E11STMGP-RB01	SW7471	Mercury	UJ	CRDL recovery < 80%.
E11STMGP-RB02	SW8260	Acetone	J	Initial calibration %RSD >15%.
E11STMGP-RB02	SW8270	4-Nitrophenol	R	Continuing calibration %D > 90%.
E11STMGP-RB03	SW8270	Phenol	UJ	Low LCS recovery.

Data Qualifier Definitions:

J Estimated data. The reported quantitation limit or sample concentration is approximated due to exceedance of one or more QC requirements.
R Rejected data.
U The analyte was not detected.
UJ The analyte was analyzed for but was not detected above the reported sample quantitation limit. The associated value is an estimate and may be inaccurate or imprecise.

Acronym Definitions:

CRDL Contract Required Detection Limit
%D Percent Difference
LCS Laboratory Control Sample
MS Matrix Spike
MSD Duplicate Matrix Spike
PDS Post-Digestion Spike
RPD Relative Percent Difference
RRF Relative Response Factor
%RSD Percent Relative Standard Deviation
SDG Sample Delivery Group

Table 3: Soil Samples Analyzed for Volatile Organic Analytes More Than 10 Days After Collection

Sample	*Method*	Days Between Collection and Analysis
E11STMGP-TT13-34RE	SW8260	11
E11STMGP-B11-23RE	SW8260	11
E11STMGP-B12-34	SW8260	11
E11STMGP-B10-45	SW8260	14
E11STMGP-B10-45DL	SW8260	14
E11STMGP-TT15-12	SW8260	11
E11STMGP-TT15-12DL	SW8260	11
E11STMGP-B21-1921DL	SW8260	14
E11STMGP-B2-2325	SW8260	14
E11STMGP-B16-1719	SW8260	11
E11STMGP-B16-1921	SW8260	11
E11STMGP-B32-57RE	SW8260	11
E11STMGP-B32-1315	SW8260	11
E11STMGP-B32-1315DL	SW8260	12
E11STMGP-B32-2123	SW8260	11
E11STMGP-B32-2123DL	SW8260	12
E11STMGP-B32-3537RE	SW8260	11
E11STMGP-B22-1012	SW8260	14
E11STMGP-B17-1012	SW8260	14
E11STMGP-B17-1012DL	SW8260	14
E11STMGP-B12-79	SW8260	13
E11STMGP-B5-35	SW8260	13
E11STMGP-B5-35DL	SW8260	13
E11STMGP-B5-79	SW8260	13
E11STMGP-B5-79DL	SW8260	13
E11STMGP-B5-79DL2	SW8260	14
E11STMGP-B5-1719	SW8260	13
E11STMGP-B5-1719DL	SW8260	13
E11STMGP-B39-1921	SW8260	13
E11STMGP-B12-2123	SW8260	14
E11STMGP-B23-57	SW8260	11
E11STMGP-B23-1921	SW8260	13
E11STMGP-B37-57	SW8260	14
E11STMGP-B38-1012	SW8260	14
E11STMGP-TT15-34	SW8260	12
E11STMGP-B41-35	SW8260	14
E11STMGP-B11-810	SW8260	14
E11STMGP-B11-810DL	SW8260	14
E11STMGP-B11-1820	SW8260	14

Table 3: Soil Samples Analyzed for Volatile Organic Analytes More Than 10 Days After Collection (continued)

Sample	*Method*	Days Between Collection and Analysis
E11STMGP-B11-2628	SW8260	14
E11STMGP-B60-810	SW8260	14
E11STMGP-B35-57	SW8260	14
E11STMGP-TT19-34	SW8260	14
E11STMGP-TT19-67	SW8260	14
E11STMGP-TT10-56DL	SW8260	11
E11STMGP-TT10-78DL	SW8260	11
E11STMGP-TT10-78DL2	SW8260	11
E11STMGP-B45-3234DL	SW8260	12
E11STMGP-B07-1517	SW8260	13
E11STMGP-B07-1517RE	SW8260	13
E11STMGP-SS20	SW8260	11
E11STMGP-SS18	SW8260	11
E11STMGP-SS17	SW8260	11
E11STMGP-SS13	SW8260	11
E11STMGP-SS09	SW8260	12
E11STMGP-SS11	SW8260	12
E11STMGP-SS12RE	SW8260	12

Note: All positive results are flagged with "J" qualifiers and all non-detected results are flagged with "UJ" qualifiers in the samples listed in this table. These qualifications are not listed in Table 2.

Figure 1. TT-08 at Jacob Riis.

Figure 2. TT-15 at Jacob Riis.

Figure 3. TT-15 at Jacob Riis.

Figure 4. TT-17 at Jacob Riis.

Figure 5. TT-18 at Jacob Riis.

Figure 6. TT-19 at Jacob Riis.

Figure 7. TT-22 at Jacob Riis.

Figure 8. TT-01 at Jacob Riis.

Figure 9. TT-01 at Jacob Riis.

Figure 10. TT-02 at Jacob Riis.